

### **Minutes of 677<sup>th</sup> SEAC-1 Meeting Dated 05/08/2022**

The 677<sup>th</sup> meeting of SEAC-1 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 10:00 AM on 05/08/2022. Following members participated in the meeting:

- |    |                             |                             |
|----|-----------------------------|-----------------------------|
| 1. | Shri Rajive Kumar,          | Chairman, SEAC-1            |
| 2. | Dr. Ajai Mishra,            | Member, SEAC-1 (through VC) |
| 3. | Shri Om Prakash Srivastava, | Member, SEAC-1 (through VC) |
| 4. | Dr. Brij Bihari Awasthi,    | Member, SEAC-1 (through VC) |
| 5. | Shri Umesh Chandra Sharma,  | Member, SEAC-1              |
| 6. | Dr. Ratan Kar,              | Member, SEAC-1              |
| 7. | Shri Ashish Tiwari,         | Member-Secretary, SEAC-1    |

The Chairman welcomed the members to the 677<sup>th</sup> SEAC-1 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer, SEAC-1 informed the committee that the agenda has been approved by the Member Secretary, SEAC-1/Director Environment. Nodal Officer, SEAC-1 placed the agenda items along with the available file and documents before the SEAC-1.

#### **1. Stone (Khanda, Gitti & Boulder Mining at Khasra No.-181/02, Village-Haiwatpura, Tehsil-Garautha, Jhansi, Smt. Aneeta Gupta, Area-1.214 ha. File No. 6453/Proposal No. SIA/UP/MIN/65727/2021**

The committee noted that the matter was earlier listed in 579<sup>th</sup> SEAC meeting dated 08/10/2021 and the project proponent did not submit the documents to the Directorate and the committee directed to defer the matter. The project proponent through online portal on 19/07/2022 has requested to list the matter in next SEAC meeting and the matter was listed in 677<sup>th</sup> SEAC meeting dated 05/08/2022.

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Earthvision India Associate Consultants. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The terms of reference is sought for Stone (Khanda, Gitti & Boulder Mining at Khasra No.-181/02, Village- Haiwatpura, Tehsil-Garautha, Jhansi, U.P., (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/65727/2021
2.	File No. allotted by SEIAA,UP	6453
3.	Name of Proponent	M/s Sushil Stone Industry Smt. Aneeta Gupta (Prop.) W/O Shri Sushil Kumar Gupta
4.	Registered Address	R/O-A.M. 2/14, Veerangana Nagar, M.L.B. Medical College, Tehsil & District-Jhansi (U.P).
5.	Full correspondence address of proponent and mobile no.	R/O-A.M. 2/14, Veerangana Nagar, M.L.B. Medical College, Tehsil & District-Jhansi (U.P). Mobile No.- 9415102339
6.	Name of Project	Khanda Gitti Boulder (Building Stone) mining
7.	Project Location (Plot.Khasra/Gata No.)	Gata No. 181/02
8.	Name of Village	Village-Haiwatpura,
9.	Tehsil	Garautha,

10.	District	Jhansi			
11.	State	Uttar Pradesh			
12.	Name of Minor Mineral	Khanda Gitti Boulder (Building Stone) mining			
13.	Sanctioned Lease Area (in Ha.)	1.214 Hectares			
14.	Max. & Min mRL within lease area	Highest mRL is 247.60mRL & Lowest is 210mRL			
15.	Pillar Coordinates (Verified by DMO)	Pillar No.	N	E	
		A	25°34'26.82"N	79°14'06.95"E	
		B	25°34'25.75"N	79°14'03.78"E	
		C	25°34'21.57"N	79°14'05.42"E	
		D	25°34'23.14"N	79°14'08.54"E	
16.	Mine Plan approval details	Letter No.- 2021/3/8/52634 Dated- 06/10/2021			
17.	Validity of Mine Plan	5 Years			
18.	Total geological reserves	675845 cubic meter			
19.	Total mineable reserves	265223 cubic meter			
20.	Total Proposed Production (In 5 Years)	265223 cubic meter			
21.	Total Proposed Production/Year	61000Cum/Year (according to as per LOI).			
22.	Sanctioned Period of Mine lease	20 year			
23.	Method of Mining	Opencast, Semi mechanized Method			
24.	No. of working days	240			
25.	Working hours/day	8			
26.	No. of workers	45 Workers			
27.	Type of Land	State govt.land			
28.	Ultimate Depth of Mining	40m .			
29.	Water Requirement		Purpose	Detail	Avg. Demand/Day
		Portable Tanker	Drinking@15 lpcd/worker	45 workers x 15 lpcd = 675 lpcd	0.675 KLD
			Mine operation/ others	-	2.0 KLD
			Land reclamation / plantation @2 Lit/Tree	1500Trees x 2 lpcd = 3000 lpcd	3.0KLD
			Dust suppression @2Lit/Sq.m (Twice in a day)	Haul Road Area = (100 m Length x 6m Width = 600 m <sup>2</sup> ) x2lpcd/Sq.m = 1200 lpcd	1.2 KLD
		Total			6.875 KLD
30.	Name of QCI Accredited Consultant with QCI No and period of validity	M/s Earthvision India Associate Consultant, NABET/EIA/2124/IA 0077 Valid till 24-02-2024			
31.	Any litigation pending against the project or land in any court	No			
32.	Details of 500 m Cluster certificate & Map Verified by Mining Officer	Letter No. 283/30MMC/(2021-2022), Dated 22-06-2021			
33.	Proposed CER cost	Rs4.2325 Lakhs			
34.	Proposed EMP cost	Rs 9.90 Lakhs			
35.	No. of Trees to be Planted.	300/year			
36.	Detail of CTE/CTO issued by UPPCB	NA			

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. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. 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.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 04/08/2022 mentioning is as follows:

1. I, Brij Mohan Singh Negi S/o K.S. Negi is EIA Coordinator of Earthvision India Associate Consultants, Lucknow.
2. I have prepared TOR report for the (Proposal No. SIA/UP/MIN/65727/2022 of M/s Sushil Stone Industry with my team.
3. I have personally visited the site of proposal.
4. I am satisfied with that all the necessary data/information required for TOR preparation are true and correct.
5. I certify that no mining activity has been undertaken on the project site for the present proposal.
6. I certify that this project has been uploaded for this first time on Parivesh portal.
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation submitted.

#### **RESOLUTION AGAINST AGENDA NO. 01**

**The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at annexure-2 to the minutes. The committee also stipulated following additional TOR Points:**

#### **Additional TOR:**

1. To ensure proper monitoring, the project proponent/consultant should provide evidence in for of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc.
2. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.
3. Combined KML of all mines in a cluster should be submitted at the time of EIA.
4. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
5. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
6. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
7. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
8. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
9. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.

10. Proponent/consultant shall present TOR specific/additional conditions compliance, observation/suggestions raised during the public hearing and commitment made by the project proponent in a tabular form with a time bound plan at the time of EIA presentation.
11. Corporate Social Responsibility (CSR) to be prepared as per the MoEF guidelines and present it at the time of EIA presentation.

**2. Expansion of TCS Noida IT SEZ Campus at Plot No. 1, Sector-157, Noida, District-Gautam Budh Nagar, U.P., M/s Tata Consultancy Services, TCS House, Raveline Street Fort, Mumbai. File No. 7097/6891/Proposal No. SIA/UP/MIS/77107/2022**

The committee noted that the matter was earlier discussed in 665<sup>th</sup> SEAC meeting dated 20/06/2022 and directed the project proponent to submit certified compliance report from IRO, Lucknow, MoEFCC for the earlier environmental clearance. The project proponent submitted the certified compliance report issued by IRO, Lucknow on 11/07/2022 along with action taken report of the observation.

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s EQMS India Pvt. Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for “ Expansion of TCS Noida ITSEZ Campus” at Plot No.-1, Sector-157, Noida, U.P., M/s Tata Consultancy Services.
2. Environmental Clearance for the existing proposal was issued by SEIAA U.P. vide letter no. 637/Parya/SEIAA/5543-5316/2019 dated 28/02/2020 for the plot area 29.266 Ha and built-up area 1,48,088 Sqm. respectively.
3. Area details of the project:

S.No.	Description	Unit	As per EC granted	Proposed/ Additional	After proposed Expansion
1.	Plot Area	Sqm	292,660	(-)4,723	199,001.000
2.	Net Area available for Development	Sqm	203,724		
	Area under Phase I	Sqm	130,860	(-)15,676	115,184.000
	Area under Future Development	Sqm	72,864	10,953	83,817.00
3.	Permissible Ground Coverage (30% of Plot area)	Sqm	61,117.20	(-)1,416.90	59,700.30
	Permissible MLCP Coverage (5% of Plot area)	Sqm	10,186.20	(-)236.15	9,950.050
	Total Permissible Ground Coverage	Sqm	71,303.40	(-)1,653.05	69,650.350
4.	Proposed Ground Coverage with Podium	Sqm	28,413	18,280.52	46,693.522
5.	Permissible FAR (2.5 of Plot Area)	Sqm	509,310	(-) 11,807.50	497,502.500
6.	Total Proposed FAR	Sqm	103,389	50,085.32	153,474.318
7.	Permissible Service Area (15% of FAR)	Sqm	76396.5	(-)1,771.13	74,625.375
8.	Proposed Service Area	Sqm	11,280	13,841.551	25,121.551
9.	Podium	Sqm	33,419	35,644.125	69,063.125
10.	Built-up Area (6+8+9)	Sqm	148,088	99,570.994	247,658.994
11.	Proposed Green Area	Sqm	40,747.00	(-)11,165.72	29,581.280
12.	Green Area proposed in Future	Sqm	-	35,094.05	35,094.045
13.	Max height of building	M	64.6	(-) 0.6	64
14.	Maximum number of floors	No.	2 Podium + Ground+12 F	2 Podium	4 Podium + Ground + 12 F
15.	No. of Buildings	No.	4 + 1 Utility Block	-	3 + 2 Utility Block+Podium
16.	Parking Required	ECS	2068	1001	3069

17	Parking Provided	ECS	2068	1090	3158
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4. Comparative salient features:

S. No	Description	Unit	As per EC granted	Proposed/ Additional	After proposed Expansion
1.	Total Water Requirement	KLD	763	414	1177
2.	Fresh Water Requirement	KLD	317	188	505
3.	Recycled Water	KLD	446	226	672
4.	Wastewater Generation	KLD	496	211	707
5.	STP Proposed	KLD	600 KLD (Modular STP's)	210 KLD	800 + 10 KLD
6.	Treated Water Available	KLD	446	226	672
7.	Rainwater Harvesting Pits	No.	32	8	40
8.	Power Requirement	KW	6417 KVA	-	7287 KW
9.	Power Backup	KVA	2x140 KVA, 6x2000 KVA (5W + 1 s/b)	(-) 1x2000	2x140 KVA, 5x2000 KVA (4W + 1 s/b)
	• Solar panels of capacity 728 KW to be installed which is approx. 10% of the total power demand.				
10.	Total Municipal Waste Generation	Kg/day	2957	592	3549

5. Land use details after expansion:

Sr. No.	Zone	Area (Sq. m)	Percentage (%)
1	Ground Coverage	46693.522	40.54
2	Green	29,581.28	25.68
3	Surface Parking	12610.0	10.95
4	Road & other area	26,299	22.83
	Total Phase I Area	1,15,184	100.00
5	Future Development Area	83,817	-
6	Total Plot Area	1,99,001	-

6. Population details:

S. No.	Unit Name	As per EC	Additional/ Proposed	Proposed After Expansion
1	Normal Staff	10930	4656	15586
2	Other Staff	270	319	589
3	Visitor	1035	524	1559
	Total	12235	5499	17734

7. Water Requirement details:

S. No.	Category	Standards-LPCD	Capacity (Population/ Area-acres)	Water Requirement (KLD)	Fresh Water Requirement (KLD)	Recycle Water Requirement (KLD)	Wastewater Generation (KLD)
1	Fixed Population						
a	IDC Block	45	211	10	6	4	9
b	Employee (SDB1) 8hr operation - 1 shift	45	4946	223	124	99	199
c	Employee (SDB2) 8hr operation - 1 shift	45	10262	462	257	205	411
d	Recruitment	45	15	1	1	0	1
e	Welcome Block	45	152	7	4	3	7
A	Total		15586	703	392	311	627

2	Floating Population						
a	Floating Poulation (10% of total population)	15	1559	24	8	16	22.4
b	Water required for Kitchen (Meal preparation & other activities) (Assuming 70% of total population will make use of the facility)	3.5	10911	39	39	0	0
c	Security Guards/ Staff/ Utility personnels - (2 Person/Floor of each block)	45	66	3	2	1	2.6
d	Transit Hub Structures (Assumed 40% of seating capacity)	15	128	2	1	1	1.8
e	Driver Total Nos. of Parking (As Actual) 15% of Total Car Park	45	395	18	10	8	16
B	Total			86	60	26	43
<b>OTHER WATER REQUIREMENT</b>							
a	Water bodies make-up water	L.S		15	15	0	0
b	Domestic and Rainwater filter backwash	L.S		15	15	0	0
c	RO Plant Make up (for Kitchen)	L.S		22	22	0	19
d	Fire make-up water			1	1	0	0
e	Cooling tower make-up water			229	0	229	18
f	Gardening & irrigation	29,581.28	approx. 3.6 litre/sqm	106	0	106	0
C	Total			388	53	335	37
<b>Total</b>				<b>1177</b>	<b>505</b>	<b>672</b>	<b>707</b>

**8. Waste water details:**

Category	Quantity (KLD)
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Sewage Generation	707 KLD
Capacity of STP	Proposed: 800 KLD Existing: 10 KLD
Recovered Water from STP (90% of Sewage)	672
Flushing	337
Cooling Tower	229
Landscaping	107

9. Parking details:

<b>Parking Required</b>			
Particular	Norms		ECS
<b>Parking Required</b>			
Existing	FAR achieved/ 50 Sq m	2060.633/50	41
Proposed/Additional	FAR achieved/ 50 Sq m	151413.685/50	3028
	Total		3069
<b>Parking Provision</b>			
Location	Parking Area	Standard	ECS
Podium 1	14582.146	18	810
Podium 2	15819.025	30	527
Podium 3	17798.136	30	593
Podium 4	17913.41	30	597
Surface	12610	20	631
Total		-	3158

10. Municipal solid waste generation details:

Category	Capacity	Standard- Kg/day	Total Waste (Kg/day)	Wet waste (Kg/day)	Recyclable Waste- Kg/day
<b>Domestic Waste</b>					
Fixed Population	15586	0.2	3118	1248	1870
Floating Population	2148	0.2	429.6	172	257.6
Landscaping		0.2 Kg/acre	1.4	1.4	0
<b>Total Municipal Waste</b>			3549	1421	2128
<b>STP Sludge</b>				44	

11. E-waste generation details:

S. No.	Appliances	Population	No. of appliances	Average weight of electric equipment	Average life of an appliance (yrs.)	Total e-waste generated in one year (kg/year)	E-waste generation/day
1	Desktop (@75% of staff population)	11690	11690	4 kg	6	7793	<b>38 Kg/day</b>
2	Laptop (@25% of staff population)	3897	3897	2.5 kg	5	1948	
3	Printers @ 1 no. for 25 persons	15586	617	10 kg	10	617	
4	Xerox machine @ 1 no. for 25 persons	15586	617	30 kg	10	1851	
5	Microwave @ 1 no. for 50 persons	15586	309	10 kg	8	386	
<b>E-Waste Generation</b>						<b>12596</b>	
<b>Miscellaneous Waste (keyboards, mouse, lamps, bulbs, lights etc.)</b>						<b>1260</b>	
<b>Total E-waste Generation</b>						<b>13856</b>	

12. The project proposal falls under category-8(b) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 05/08/2022 mentioning is as follows:

1. I, Vivek Singh is EIA Coordinator of EQMS India Pvt. Ltd.
2. I have prepared EIA/EMP report for the proposal “ Expansion of TCS Noida ITSEZ Campus” at Plot No.-1, Sector-157, Noida, U.P., M/s Tata Consultancy Services with my team.
3. I have personally visited the site of proposal and certify that no construction activity has been undertaken on the project site of the present proposal.
4. I have satisfied with that all the necessary data/information required for EIA/EMP project preparations are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation which will be submitted after acceptance of application.
7. I state that all the TOR points have been complied.
8. No construction work has been taken at project site for which application for environmental clearance has been submitted. Only IDC building has been constructed at site as per earlier EC granted by SEAC/SEIAA, U.P. vide F.N. 637/Parya/SEAC/SEIAA/5543-5316/2019, dated 28/02/2020.
9. The EIA/EMP report for the proposal is prepared by my team as per guidelines laid down by QCI/NABET.

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

**The committee discussed the matter and recommended grant of environmental clearance on the proposal as above alongwith standard environmental clearance conditions prescribed by MoEF&CC, GoI and following additional conditions:**

##### **Additional Conditions:**

1. Project proponent is advised to explore the possibility and getting the cement in container rather through the plastic bag.
2. Project proponent should ensure that there will be no use of “Single use of Plastic” (SUP).
3. In compliance to Hon’ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs. GoI and others) anti-smog guns shall be installed to reduce dust during excavation.
4. The project proponent shall comply the use of fuel for backup power as per guidelines by “Commission of Air Quality Management in NCR”, directions of courts and CPCB shall be strictly adhered regarding DG sets (cleaner fuel as PNG/CNG/permissible fuel in NCR). The project proponent shall follow the orders/guidelines issued by Hon’ble Court(s)/Competent authorities from time to time.
5. The proponent should provide the electric vehicle charging points and also allocate the safe and suitable place in the premises for the same.
6. Project Proponent should adopt 05 villages & develop them as model village.

##### **Standard Environmental Clearance Conditions prescribed by MoEF&CC:**

1. Statutory compliance:



1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.
3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
6. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
2. Air quality monitoring and preservation:
  1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
  2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
  3. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
  4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
  5. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
  6. Wet jet shall be provided for grinding and stone cutting.
  7. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
  8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
  9. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
  10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
  11. For indoor air quality the ventilation provisions as per National Building Code of India.

3. Water quality monitoring and preservation:
  1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
  2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
  3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
  4. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
  5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
  6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
  7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
  8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
  9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
  10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
  11. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
  12. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
  13. All recharge should be limited to shallow aquifer.
  14. No ground water shall be used during construction phase of the project.
  15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
  16. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
  17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed in to municipal drain.
  18. No sewage or untreated effluent water would be discharged through storm water drains.
  19. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is

- commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.
  21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
4. Noise monitoring and prevention:
1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
  2. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
  3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
5. Energy Conservation measures:
1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
  2. Outdoor and common area lighting shall be LED.
  3. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
  4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
  5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
  6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
6. Waste Management :
1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
  2. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
  3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.

4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
7. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25<sup>th</sup> January, 2016. Ready mixed concrete must be used in building construction.
9. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
7. Green Cover:
  1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
  2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
  3. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
  4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
8. Transport:
  1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
    - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
    - b. Traffic calming measures.
    - c. Proper design of entry and exit points.
    - d. Parking norms as per local regulation.
  2. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
  3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
9. Human health issues :

1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
  2. For indoor air quality the ventilation provisions as per National Building Code of India.
  3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
  4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
  5. Occupational health surveillance of the workers shall be done on a regular basis.
  6. A First Aid Room shall be provided in the project both during construction and operations of the project.
10. Corporate Environment Responsibility:
1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
  2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
  3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
  4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
11. Miscellaneous:
1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
  2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
  3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
  4. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
  5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
  6. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
  7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
9. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
13. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
15. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**3. Establishment of Molasses/Cane Juice/ Grain based Multi-feed distillery having Capacity: 75 KLD ethanol along with 2.50 MW Cogeneration Power Plant and Cane Crushing Unit at Village-Vela, Post-Kodaura, Tehsil- Mahmodabad, Sitapur, U.P., M/s Neel Shree Sugar Pvt. Ltd., M/s Neel Shree Sugar Pvt. Ltd. File No. 6484/Proposal No. SIA/UP/IND2/66183/2021**

The committee noted that the matter was earlier listed in 662<sup>nd</sup> SEAC meeting dated 08/06/2022 and the project proponent did not appear before SEAC. The project proponent through online portal on 20/07/2022 has requested to list the matter in next SEAC meeting and the matter was listed in 677<sup>th</sup> SEAC meeting dated 05/08/2022.

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. The proponent, through the documents submitted and the presentation made informed the committee that:

1. The environmental clearance is sought for Establishment of Molasses/Cane Juice/Grain based Multi-feed distillery having Capacity: 75 KLD Ethanol along with 2.50 MW Cogeneration Power Plant and Cane Crushing Unit at Village-Vela, Post-Kodaura, Mahmodabad, Sitapur, U.P., M/s Neel Shree Sugar Pvt. Ltd.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 81/Parya/SEIAA/6484/2021, dated 23/12/2021.
3. Public hearing was organized on 25/04/2022 at the project site and final EIA report submitted on Parivesh portal on 21/05/2022.
4. Salient/ features of the project:

S. No.	Item	Details
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1.	Name of the Project	M/s Neel Shree Sugar Pvt. Ltd
2.	Location of the Project	Village- Vela, Post- Kodaura, Tehsil- Mahmudabad, District- Sitapur, Uttar Pradesh
3.	Category of Projects	Category “B” and Schedule – 5(g)
4.	Total Project Area	6.335 ha (For establishment of New Industry)
5.	Green Belt	2.09 ha (33 % of Total Project area)
6.	Proposed Capacity of Distillery	Establishment of molasses/cane juice/grain based multi-feed distillery having capacity 75 KLD ethanol along with 2.50 MW (two unit) of cogeneration power plant and cane crushing unit with the capacity of 1000 TCD
7.	Product	75,000 lit per day RS (Rectified Spirit) @ 95% v/v ethanol content OR 75,000 lit per day ENA (Extra Neutral Alcohol) @ 96% v/v ethanol content OR 75,000 lit per day Absolute Alcohol @ 99.80% v/v ethanol content.
8.	Raw Material (Quantity)	Molasses 59659 Ton/year (175 days) For Molasses based distillery or Sugarcane 165000 Ton/year (175 days) for sugarcane crushing unit Damaged Food grain – 30835 Ton/year (175 days) for grain based distillery
8.	Boiler	2 No. (25 TPH each)
9.	Power Requirement	2000 – 2500 kW (for sugarcane crushing unit) 2000 – 2500 kW (for grain/molasses based distillery)
10.	Fresh Water Requirement	Ground water through Tube well. Fresh Water requirement; 1. Molasses Based (Mode -1): Industrial use: 750 KLD (@ 10.0 KL /KL of Product)\ 2. Grain Based (Mode -2): Industrial use: 713 KLD (@ 9.5 KL /KL of Product) 3. Domestic Use: 20.0 KLD
11.	Source of water and area categorization as per CGWA/GWD	SOURCE: Ground water (from Tube well) AS PER CATEGORIZATION ; UNIT LIES IN “SAFE AREA”. Permission will be taken from Ground water department, Uttar Pradesh
12.	Waste Water Generation	Spent wash: 500 KLD (Spent wash will be initially treated in decanter centrifuge then will be treated via multi effect evaporator (MEE)) Other Effluent: 520 KLD (like Spent Leese, MEE Condensate, Blow Down and Floor washing) Will be treated in Secondary Effluent treatment Plant.
13.	Waste water discharge	Zero liquid discharge
14.	Number of working days	350 days/annum
15.	Waste Water Treatment	UASB Reactor and Multi-Effect Evaporation (MEE)
16.	Air Pollution Control Device	Wet Scrubber, Cyclone and Bag Filter
17.	Nos. of Stack	2 No. of Stack with 80 meter height
18.	Total Project Cost	112.20 Crore
19.	Cost towards CER	The proposed CER Cost is 1.68 Crores @ 1.5% of capital investment), as per office memorandum no. F. No. 22-65/2017-IA.III dated 30th September 2020 as project is green field (New Distillery Project).
20	Waste water treatment strategy	In case of Mollases: 500 KLD MEE followed by Incineration (Slop fired Boiler) Effluent in the form of spent wash will be 500 KLD. It will be concentrated in Multi effect evaporation (MEE) and then concentrate from MEE will be incinerated in Incineration boiler as a fuel along with bagasse.
		In case of Grain : 520 KLD MEE followed by Condensate Polishing Plant (CPU) shall be installed for treatment of various other effluents (Condensate, Lees, Floor washing, Blow downs) and 100% treated effluent shall be recycled in the process
		For Domestic waste Estimated domestic effluent will be 16 KLD, which will be treated separately in sewage

			treatment plant.
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**5. Land use details:**

Sr. No.	Land Use Details	Grand Total (Sq. Meter.)
1.	Green Belt Area	20906.00
2.	Open Land	10580.00
3.	Road/ Paved Area	12670.00
4.	Rooftop area of building/sheds	19194.00
	Total	63350.00

**6. Water requirement details:**

Fresh Water Requirement	Fresh Water requirement; 1. Molasses Based (Mode -1): Industrial use: 750 KLD (@ 10.0 KL /KL of Product) 2. Grain Based (Mode -2): Industrial use: 713 KLD (@ 9.5 KL /KL of Product) 3. Domestic Use: 20.0 KLD
Source of fresh water	Ground water via bore well (Permission shall be taken from GWDUP)

**7. Waste water details:**

Waste water treatment strategy	In case of Molasses : 500 KLD	Spent wash will be initially treated in decanter centrifuge then will be treated via multi effect evaporator (MEE))
	In case of Grain : 520 KLD	Spent Leese, MEE Condensate, Blow Down and Floor washing) Will be treated in Secondary Effluent treatment Plant.
	For Domestic waste	STP will be installed.
Unit is based on zero liquid discharge and 100% recycling reuse of treated water will be done. No treated water shall be discharged outside the premises		

**8. Solid waste generation details:**

Solid Waste Generation and its management	Particular	Mode 1	Mode 2	Uses/Disposal
	Total Ash	50 MT/DAY	55MT/DAY	Due to high potash content will be used as manure.
	Yeast sludge	10.0 MT/DAY	11.0 MT/DAY	Will be mixed with press mud of sugar mill and sold to farmers.
	Condensate polishing unit sludge	1.5 KLD	2.0 KLD	Will be mixed with press mud of sugar mill and sold to farmers.
	Cattle feed DDGS	Nil	36 MT/ DAY	Will be sold as cattle feed.

**9. The project proposal falls under category-5(g) of EIA Notification, 2006 (as amended).**

The consultant (EIA Coordinator) also submitted an affidavit dated 05/08/2022 mentioning is as follows:

1. I, Akash Kumar S/o Late Shri R.P. Verma is EIA Coordinator of Paramarsh (Servicing Environment and Development), Lucknow, U.P.
2. I have prepared EIA/EMP report for the File No. 6484, proposal no. SIA/UP/IND2/66183/2021 of the client Establishment of Molasses/Cane Juice/Grain based Multi-feed distillery having Capacity: 75 KLD Ethanol along with 2.50 MW Cogeneration Power Plant and Cane Crushing Unit at Village-Vela, Post-Kodaura, Mahmodabad, Sitapur, U.P., M/s Neel Shree Sugar Pvt. Ltd. with my team.
3. I have personally visited the site of proposal and certify that no construction activity has been undertaken on the project site of the present proposal.
4. I have satisfied with that all the necessary data/information required for EIA/EMP project preparations are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation which will be submitted after acceptance of application.



7. I state that all the TOR points have been complied and all the issues raised during public hearing have been properly addressed in EIA report.
8. The EIA/EMP report for the proposal is prepared by my team as per guidelines laid down by QCI/NABET.

**RESOLUTION AGAINST AGENDA NO-03**

**The committee discussed the matter and recommended grant of environmental clearance on the proposal as above alongwith standard environmental clearance conditions prescribed by MoEF&CC, GoI and following additional conditions:**

**Additional Conditions:**

1. Project proponent is advised to explore the possibility and getting the cement in container rather through the plastic bag.
2. Project proponent should ensure that there will be no use of “Single use of Plastic” (SUP).
3. In compliance to Hon’ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs. GoI and others) anti-smog guns shall be installed to reduce dust during excavation.
4. The proponent should provide the electric vehicle charging points and also allocate the safe and suitable place in the premises for the same.
5. Project Proponent should adopt 02 villages & develop them as model village.
6. NOC from Irrigation Department should be obtained before start of construction work.

**I. Statutory compliance:**

1. 45 days monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 60 days for a record.
2. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purposes involved in the project.
3. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
4. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six - monthly compliance report. (in case of the presence of schedule-I species in the study area).
5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
6. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
7. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules , 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

**II. Air quality monitoring and preservation:**

1. The project proponent shall install 24x7 continuous emission monitoring system at

process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

2. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous).
3. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
4. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
5. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
6. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
7. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
8. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

### **III. Water quality monitoring and preservation:**

1. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD) and connected to SPCB and CPCB online servers.
2. Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
3. Process effluent /any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
4. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
5. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
6. Industrial/trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (agitated thin film drier). Low TDS effluent stream shall be treated in ETP

and then passed through RO system.

7. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

**IV. Noise monitoring and prevention:**

1. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
2. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
3. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

**V. Energy Conservation measures:**

1. The energy sources for lighting purposes shall preferably be LED based.

**VI. Waste management:**

1. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
2. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
3. The company shall undertake waste minimization measures as below :-
  - iii. Metering and control of quantities of active ingredients to minimize waste .
  - iv. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
  - v. Use of automated filling to minimize spillage.
  - vi. Use of Close Feed system into batch reactors.
  - vii. Venting equipment through vapour recovery system.
  - viii. Use of high pressure hoses for equipment clearing to reduce wastewater generation

**VII. Green Belt:**

1. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.

**VIII. Safety, Public hearing and Human health issues:**

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
3. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
6. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places

**IX. Corporate Environment Responsibility:**

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/violation of the environmental / forest /wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation/ violation of the environmental/ forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
5. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

**X. Miscellaneous:**

1. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
5. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
6. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
7. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
8. The project authorities must strictly adhere to the stipulations made by the State

- Pollution Control Board and the State Government.
9. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
  10. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
  11. Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
  12. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  13. The Ministry reserves the right to stipulate additional conditions if found necessary.
  14. The Company in a time bound manner shall implement these conditions.
  15. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
  16. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
  17. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**4. Stone Sand Stone Mining at Arazi No. 428 (Sl. No. 25) Village- Dhuria, Tehsil-Chunar, Mirzapur, Shri Vikash Kumar Singh, Area: 0.8090 ha. File No. 7173/Proposal No.SIA/UP/MIN/79535/2022**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt. Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The terms of reference is sought for Dhuria Building Stone Sand Stone Mine at Arazi No. 428 (Sl. No. 25), Village- Dhuria, Tehsil- Chunar, District- Mirzapur, U.P., (Leased Area : 0.8090 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/ 79535 /2022
2.	File No. allotted by SEIAA, UP	7173
3.	Name of Proponent	Prop. Shri Vikash Kumar Singh
4.	Full correspondence address of proponent and mobile No.	R/o Ward no. Civil Lines, Chandanpura, Sasaram (Bihar).
		Mobile No-
		Email-
5.	Name of Project	Dhuria Building stone Sand Stone Mining project
6.	Project location (Plot/Khasra/Gata No.)	Arazi No 428 (Sl. No. 25)
7.	Name of River	-
8.	Name of Village	Dhuria
9.	Tehsil	Chunar
10.	District	Mirzapur
11.	Name of Minor Mineral	Building Stone Sand Stone

12.	Sanctioned Lease Area (in Ha.)	0.8090 ha		
13.	Max & Min mRL within lease area	Max- 101.0 mRL & 95.0 mRL		
14.	Pillar Coordinates (Verified by DMO)	Sanctioned Mining Lease Area		
		Pillar No.	Latitude	Longitude
		A	25° 02'43.3"N	83°03'13.7 "E
		B	25° 02'43.4"N	83°03'15.5"E
		C	25° 02'38.1"N	83°03'15.4"E
		D	25° 02'37.9"N	83°03'13.7"E
15.	Total Geological Reserves	2,51,640 Cum		
16.	Total Mineable Reserves in LOI	24,270 Cum/year		
17.	Total Proposed Production	24,270 Cum/year		
18.	Proposed Production/year	24,270 Cum/year		
19.	Sanctioned Period of Mine lease	20 years		
20.	Method of Mining	Open Cast Semi-mechanized Method		
21.	No. of working days	260 days		
22.	Working hours/day	8 hrs		
23.	No. of workers	28		
24.	No. of vehicles movement/day	14		
25.	Type of Land	Government waste land		
26.	Ultimate Depth of Mining	30		
27.	Nearest metalled road from site	0.5 km		
28.	Water Requirement	PURPOSE		REQUIREMENT (KLD)
		Drinking		0.28
		Suppression of dust		4.20
		Plantation		1.62
		Others (if any)		0.28
		Total		6.38
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt. Ltd. 1922, validity= October 25, 2022		
30.	Any litigation pending against the project or land in any court	No		
31.	Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified		
32.	Details of Lease Area in approved DSR	Yes, given in the DSR		
33.	Proposed CER cost	Rs 1,30,000/-		
34.	Proposed EMP cost	Capital Cost-Rs 11,00,800/- including CER Recurring Cost- 4,08,000/-		
35.	Length and breadth of Haul Road	Length: 0.354 km, width: 6 m		
36.	No. of Trees to be Planted	809 plants		

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. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. 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.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 29/07/2022 mentioning is as follows:

1. I, Ankur Sharma S/o Lalit Mohan Sharma is EIA Coordinator of Cognizance Research India Pvt. Ltd.

2. I have prepared TOR project for the Proposal (SIA/UP/MIN/79535/2022) File No. 7173 of Dhuria Building stone Sand Stone Mining project located at Arazi No. 428, Sl. No. 25 Village- Dhuria, Tehsil- Chunar, District- Mirzapur, Uttar Pradesh with my team.
3. I have personally visited the site of proposal and certify that no mining/construction activity has been undertaken on the project site of the present proposal.
4. I am satisfied with that all the necessary data/information required for TOR project preparations are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation which will be submitted after acceptance of application.
7. The Form-1, PFR and EMP (ToR Application) report for the proposal is prepared by my team as per guidelines laid down by QCI/NABET.

**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-2 to the minutes. The committee also stipulated following additional TOR Points:**

**Additional TOR:**

1. To ensure proper monitoring, the project proponent/consultant should provide evidence in for of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc.
2. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.
3. Combined KML of all mines in a cluster should be submitted at the time of EIA.
4. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
5. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
6. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
7. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
8. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
9. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.
10. Proponent/consultant shall present TOR specific/additional conditions compliance, observation/suggestions raised during the public hearing and commitment made by the project proponent in a tabular form with a time bound plan at the time of EIA presentation.
11. Corporate Social Responsibility (CSR) to be prepared as per the MoEF guidelines and present it at the time of EIA presentation.

**5. Stone & Sand Stone Mining at Arazi No. 399 (Sl. No. 01) Village- Jigna, Tehsil- Chunar, District: Mirzapur, Shri Vikash Kumar Singh, Area: 2.02 ha. File No. 7174/Proposal No. SIA/UP/MIN/79541/2022**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt. Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The terms of reference is sought for Building Stone Mine at Arazi No 399 (Sl. No. 01), Village- Jigna, Tehsil- Chunar, District- Mirzapur, U.P., (Leased Area : 2.02 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/ 79541 /2022		
2.	File No. allotted by SEIAA, UP	7174		
3.	Name of Proponent	Prop. Shri Vikash Kumar Singh		
4.	Full correspondence address of proponent and mobile No.	R/o Ward no. Civil Lines, Chandanpura, Sasaram (Bihar).		
		<b>Mobile No-</b>		
		<b>Email-</b>		
5.	Name of Project	Jigna Building stone Sand Stone Mining project		
6.	Project location (Plot/Khasra/Gata No.)	Arazi No 399 (Sl. No. 01)		
7.	Name of River	-		
8.	Name of Village	Jigna		
9.	Tehsil	Chunar		
10.	District	Mirzapur		
11.	Name of Minor Mineral	Building Stone Sand Stone		
12.	Sanctioned Lease Area (in Ha.)	2.02 ha		
13.	Max & Min mRL within lease area	Max- 116.0 mRL & 95.0 mRL		
14.	Pillar Coordinates (Verified by DMO)	Pillar No.	Latitude	Longitude
		A	25° 02'16.3"N	83°03'34.32 "E
		B	25° 02'18.61"N	83°03'41.55"E
		C	25° 02'15.28"N	83°03'41.91"E
		D	25° 02'13.21"N	83°03'34.85"E
15.	Total Geological Reserves	8,17,770 Cum		
16.	Total Mineable Reserves in LOI	60,600 Cum/year		
17.	Total Proposed Production	60,600 Cum/year		
18.	Proposed Production/year	60,600 Cum/year		
19.	Sanctioned Period of Mine lease	20 years		
20.	Method of Mining	Open Cast Semi-mechanized Method		
21.	No. of working days	260 days		
22.	Working hours/day	8 hrs		
23.	No. of workers	38		
24.	No. of vehicles movement/day	33		
25.	Type of Land	Government waste land		
26.	Ultimate Depth of Mining	48		
27.	Nearest metalled road from site	0.5 km		
28.	Water Requirement	PURPOSE		REQUIREMENT (KLD)
		Drinking		0.38
		Suppression of dust		4.20
		Plantation		4.04
		Others (if any)		0.38
		Total		9.00
29.	Name of QCI Accredited Consultant with QCI No and	Cognizance Research India Pvt. Ltd. 1922, validity= October 25, 2022		



	period of validity.	
30.	Any litigation pending against the project or land in any court	No
31.	Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified
32.	Details of Lease Area in approved DSR	Yes, given in the DSR
33.	Proposed CER cost	Rs 1,80,000/-
34.	Proposed EMP cost	Capital Cost-Rs 26,04,000/- including CER Recurring Cost- 4,08,000/-
35.	Length and breadth of Haul Road	Length: 0.353 km, width: 6 m
36.	No. of Trees to be Planted	2020 plants

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. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. 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.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 29/07/2022 mentioning is as follows:

1. I Ankur Sharma S/o Lalit Mohan Sharma is EIA Coordinator of Cognizance Research India Pvt. Ltd.
2. I have prepared TOR project for the Proposal (SIA/UP/MIN/79541/2022) File No. 7174 of Jigna Building stone Sand Stone Mining project located at Arazi No. 399, Sl. No. 01 Village- Jigna, Tehsil- Chunar, District- Mirzapur, Uttar Pradesh. with my team.
3. I have personally visited the site of proposal and certify that no mining/construction activity has been undertaken on the project site of the present proposal.
4. I am satisfied with that all the necessary data/information required for TOR project preparations are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation which will be submitted after acceptance of application.
7. The Form-1, PFR and EMP (ToR Application) report for the proposal is prepared by my team as per guidelines laid down by QCI/NABET.

#### **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-2 to the minutes. The committee also stipulated following additional TOR Points:**

#### **Additional TOR:**

1. To ensure proper monitoring, the project proponent/consultant should provide evidence in for of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc.
2. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.

3. Combined KML of all mines in a cluster should be submitted at the time of EIA.
4. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
5. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
6. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
7. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
8. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
9. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.
10. Proponent/consultant shall present TOR specific/additional conditions compliance, observation/suggestions raised during the public hearing and commitment made by the project proponent in a tabular form with a time bound plan at the time of EIA presentation.
11. Corporate Social Responsibility (CSR) to be prepared as per the MoEF guidelines and present it at the time of EIA presentation.

**6. Stone (Sand Stone) Mining at Arazi No.-180/2, SI No.- 03, at Village- Bhagautidei, Tehsil-Chunar, Mirzapur, Shri Rajesh Bhai Patel, area 1.01 ha. File No. 7175/6466/Proposal No. SIA/UP/MIN/78299/2021**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt. Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Building Stone (Sandstone) Mining Project at Arazi No 180/2, Sl.no.3, Village- Bhagautidei, Tehsil-Chunar, District-Mirzapur State-U.P, (Leased Area- 1.01 ha).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 351/Parya/SEIAA/6466/2021 dated 13/12/2021.
3. The public hearing was organized on 06/04/2022. Final EIA report submitted by the project proponent on 05/07/2022.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/78299/2021
2.	File No. allotted by SEIAA, UP	7175/6466
3.	Name of Proponent	M/s Shri RBP Industries Pvt. Ltd., Prop: Shri Rajesh Bhai Patel
4.	Full correspondence address of proponent and mobile No.	R/o Ramrasahi, Patihata District-Mirzapur, State-Uttar Pradesh
		Mobile No-
		Email-
5.	Name of Project	Bhagautidei Building Stone (Sandstone) Mining project
6.	Project location (Plot/Khasra/Gata No.)	Arazi No. 180/2, Sl. No. 3
7.	Name of River	-
8.	Name of Village	Bhagautidei

9.	Tehsil	Chunar		
10.	District	Mirzapur		
11.	Name of Minor Mineral	Building Stone (Sandstone)		
12.	Sanctioned Lease Area (in Ha.)	1.01ha		
13.	Max & Min mRL within lease area	Max- 118.0 mRL & 103.0 mRL		
14.	Pillar Coordinates (Verified by DMO)	Pillar No.	Latitude	Longitude
		A	25° 2'50.50"N	82°58'38.30"E
		B	25° 2'50.30"N	82°58'40.60"E
		C	25° 2'45.60"N	82°58'40.10"E
		D	25° 2'45.40"N	82°58'37.60"E
15.	Total Geological Reserves	5,76,022.5m <sup>3</sup>		
16.	Total Mineable Reserves in LOI	10,100m <sup>3</sup> / yr		
17.	Total Proposed Production	10,100m <sup>3</sup> /yr		
18.	Proposed Production/year	10,100m <sup>3</sup>		
19.	Sanctioned Period of Mine lease	Maximum 20 years		
20.	Method of Mining	Open Cast Semi-mechanized Method		
21.	No. of working days	260 days		
22.	Working hours/day	8 hrs		
23.	No. of workers	28		
24.	No. of vehicles movement/day	6		
25.	Type of Land	Government waste land		
26.	Ultimate Depth of Mining	24		
27.	Nearest metalled road from site	0.8 km		
28.	Water Requirement	PURPOSE		REQUIREMENT (KLD)
		Drinking		0.28
		For toilets		0.28
		Suppression of dust		6.50
		Plantation		2.02
		Others (if any)		-
		Total		9.08
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt. Ltd. 1922, validity= 25-10-2022		
30.	Any litigation pending against the project or land in any court	No		
31.	Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified		
32.	Details of Lease Area in approved DSR	Yes, given in the DSR		
33.	Proposed CER cost	Rs 1,34,000/-		
34.	Proposed EMP cost	EMP Capital Cost =Plantation Cost + CER =Rs. 10,10,000 + 1,34,000 = Rs. 11,44,000/-  EMP Recurring Cost- Rs. 3,82,000/-		
35.	Length and breadth of Haul Road	Length: 541m, width: 6 m		
36.	No. of Trees to be Planted	1010 plants		

5. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
6. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
7. 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.
8. There is no litigation pending in any court regarding this project.
9. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 28/07/2022 mentioning is as follows:

1. I Ankur Sharma S/o Lalit Mohan Sharma is EIA Coordinator of Cognizance Research India Pvt. Ltd.
2. I have prepared EIA project for the Proposal (SIA/UP/MIN/78299/2021) File No. 7175/6466 of Bhagautidei Building Stone (Sandstone) Mining Project at Arazi No 180/2, Sl.no.3, Village-Bhagautidei, Tehsil-Chunar, District-Mirzapur, Uttar Pradesh with my team.
3. I have personally visited the site of proposal and certify that no mining/construction activity has been undertaken on the project site of the present proposal.
4. I am satisfied with that all the necessary data/information required for TOR project preparations are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation which will be submitted after acceptance of application.
7. I state that all the TOR points have been complied and all the issues raised during public hearing have been properly addressed in EIA report.
8. The Form-1, PFR and EMP (ToR Application) report for the proposal is prepared by my team as per guidelines laid down by QCI/NABET.

**RESOLUTION AGAINST AGENDA NO. 06**

**The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-1 to these minutes. The committee also stipulated the following specific conditions:**

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.

9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
11. The project proponent should explore the possibilities of rainwater harvesting.

**7. Stone Sand Stone Mining at Arazi No.- 1 ऋ (Sl. No.- 39), Village- Sonpur, Tehsil- Chunar, District- Mirzapur, Shri Chandrabhan Singh, Area 1.21 ha. File No. 7176/Proposal No. SIA/UP/MIN/79615/2022**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt. Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The terms of reference is sought for Building Stone Mine at Arazi No 1 ऋ (Sl. No. 39), Village- Sonpur, Tehsil- Chunar, District- Mirzapur, U.P., (Leased Area : 1.21 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/ 79615 /2022		
2.	File No. allotted by SEIAA, UP	7176		
3.	Name of Proponent	Prop. Shri Chandrabhan Singh S/o Shri Hariraj Singh		
4.	Full correspondence address of proponent and mobile No.	R/o Colony Line Paar, Chau ki Basti, Thana- Majhola, District- Moradabad (Uttar Pradesh)		
		<b>Mobile No-</b>		
		<b>Email-</b>		
5.	Name of Project	Sonpur Building stone Sand Stone Mining project		
6.	Project location (Plot/Khasra/Gata No.)	Arazi No 1 ऋ (Sl. No. 39)		
7.	Name of River	-		
8.	Name of Village	Sonpur		
9.	Tehsil	Chunar		
10.	District	Mirzapur		
11.	Name of Minor Mineral	Building Stone Sand Stone		
12.	Sanctioned Lease Area (in Ha.)	1.21 ha		
13.	Max & Min mRL within lease area	Max- 109.0 mRL & 108.0 mRL		
14.	Pillar Coordinates (Verified by DMO)	Pillar No.	Latitude	Longitude
		A	25° 03'20.05"N	82°59'42.73 "E
		B	25° 03'20.27"N	82°59'43.89"E
		C	25° 03'16.46"N	82°59'40.18"E
		D	25° 03'17.88"N	82°59'38.66"E
15.	Total Geological Reserves	3,83,370 Cum		
16.	Total Mineable Reserves in LOI	50,100 Cum/year		
17.	Total Proposed Production	50,100 Cum/year		
18.	Proposed Production/year	50,100 Cum/year		
19.	Sanctioned Period of Mine lease	10 years		
20.	Method of Mining	Open Cast Semi-mechanized Method		
21.	No. of working days	260 days		
22.	Working hours/day	8 hrs		
23.	No. of workers	42		
24.	No. of vehicles movement/day	27		
25.	Type of Land	Government waste land		
26.	Ultimate Depth of Mining	30		
27.	Nearest metalled road from site	0.5 km		
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	

		Drinking	0.42
		Suppression of dust	4.44
		Plantation	2.42
		Others (if any)	0.42
		Total	7.70
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt. Ltd. 1922, validity= October 25, 2022	
30.	Any litigation pending against the project or land in any court	No	
31.	Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified	
32.	Details of Lease Area in approved DSR	Yes, given in the DSR	
33.	Proposed CER cost	Rs 1,64,000/-	
34.	Proposed EMP cost	Capital Cost-Rs 16,16,000/- including CER Recurring Cost- 4,08,000/-	
35.	Length and breadth of Haul Road	Length: 0.370 km, width: 6 m	
36.	No. of Trees to be Planted	1210 plants	

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. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. 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.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 29/07/2022 mentioning is as follows:

1. I, Ankur Sharma S/o Lalit Mohan Sharma is EIA Coordinator of Cognizance Research India Pvt. Ltd.
2. I have prepared TOR project for the Proposal (SIA/UP/MIN/79615/2022) File No. 7176 of Sonpur Building stone Sand Stone Mining project located at Arazi No. 1 ऋ (Sl. No. 39) Village-Sonpur, Tehsil- Chunar, District- Mirzapur, Uttar Pradesh with my team.
3. I have personally visited the site of proposal and certify that no mining/construction activity has been undertaken on the project site of the present proposal.
4. I am satisfied with that all the necessary data/information required for TOR project preparations are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation which will be submitted after acceptance of application.
7. The Form-1, PFR and EMP (ToR Application) report for the proposal is prepared by my team as per guidelines laid down by QCI/NABET.

#### **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-2 to the minutes. The committee also stipulated following additional TOR Points:**

#### **Additional TOR:**

1. To ensure proper monitoring, the project proponent/consultant should provide evidence in for of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc.
2. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.
3. Combined KML of all mines in a cluster should be submitted at the time of EIA.
4. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
5. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
6. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
7. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
8. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
9. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.
10. Proponent/consultant shall present TOR specific/additional conditions compliance, observation/suggestions raised during the public hearing and commitment made by the project proponent in a tabular form with a time bound plan at the time of EIA presentation.
11. Corporate Social Responsibility (CSR) to be prepared as per the MoEF guidelines and present it at the time of EIA presentation.

**8. Stone/ Sand Stone Mining at Arazi No 1 क (Sl. No. 40) Village- Sonpur, Tehsil- Chunar, District: Mirzapur, Shri Chandrabhan Singh, Area: 1.21 ha. File No. 7177/Proposal No. SIA/UP/MIN/79621/2022**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt. Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The terms of reference is sought for Building Stone Sand Stone Mine at Arazi No 1 क (Sl. No. 40), Village- Sonpur, Tehsil- Chunar, District- Mirzapur, U.P., (Leased Area : 1.21 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/ 79621 /2022
2.	File No. allotted by SEIAA, UP	7177
3.	Name of Proponent	Prop. Shri Chandrabhan Singh S/o Shri Hariraj Singh
4.	Full correspondence address of proponent and mobile No.	R/o Colony Line Paar, Chau ki Basti, Thana- Majhola, District- Moradabad (Uttar Pradesh)
		<b>Mobile No-</b>
		<b>Email-</b>
5.	Name of Project	Sonpur Building stone Sand Stone Mining project
6.	Project location (Plot/Khasra/Gata No.)	Arazi No 1 क (Sl. No. 40)
7.	Name of River	-
8.	Name of Village	Sonpur

9.	Tehsil	Chunar		
10.	District	Mirzapur		
11.	Name of Minor Mineral	Building Stone Sand Stone		
12.	Sanctioned Lease Area (in Ha.)	1.21 ha		
13.	Max & Min mRL within lease area	Max- 106.0 mRL & 100.0 mRL		
14.	Pillar Coordinates (Verified by DMO)	Pillar No.	Latitude	Longitude
		A	25° 03'22.31"N	82°59'43.31 "E
		B	25° 03'23.08"N	82°59'49.67"E
		C	25° 03'21.31"N	82°59'50.33"E
		D	25° 03'20.47"N	82°59'44.14"E
15.	Total Geological Reserves	4,91,948 Cum		
16.	Total Mineable Reserves in LOI	50,100 Cum/year		
17.	Total Proposed Production	50,100 Cum/year		
18.	Proposed Production/year	50,100 Cum/year		
19.	Sanctioned Period of Mine lease	10 years		
20.	Method of Mining	Open Cast Semi-mechanized Method		
21.	No. of working days	260 days		
22.	Working hours/day	8 hrs		
23.	No. of workers	42		
24.	No. of vehicles movement/day	27		
25.	Type of Land	Government waste land		
26.	Ultimate Depth of Mining	24		
27.	Nearest metalled road from site	0.5 km		
28.	Water Requirement	PURPOSE		REQUIREMENT (KLD)
		Drinking		0.42
		Suppression of dust		5.29
		Plantation		2.42
		Others (if any)		0.42
		Total		8.55
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt. Ltd. 1922, validity= October 25, 2022		
30.	Any litigation pending against the project or land in any court	No		
31.	Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified		
32.	Details of Lease Area in approved DSR	Yes, given in the DSR		
33.	Proposed CER cost	Rs 1,64,000/-		
34.	Proposed EMP cost	Capital Cost-Rs 16,16,000/- including CER Recurring Cost- 4,08,000/-		
35.	Length and breadth of Haul Road	Length: 0.441 km, width: 6 m		
36.	No. of Trees to be Planted	1210 plants		

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. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
5. 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.
6. There is no litigation pending in any court regarding this project.
7. The project proposal falls under category–I(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 29/07/2022 mentioning is as follows:



1. I Ankur Sharma S/o Lalit Mohan Sharma is EIA Coordinator of Cognizance Research India Pvt. Ltd.
2. I have prepared TOR project for the Proposal (SIA/UP/MIN/79621/2022) File No. 7177 of Sonpur Building stone Sand Stone Mining project located at Arazi No. 1 ऋ (Sl. No. 40) Village- Sonpur, Tehsil- Chunar, District- Mirzapur, Uttar Pradesh. with my team.
3. I have personally visited the site of proposal and certify that no mining/construction activity has been undertaken on the project site of the present proposal.
4. I am satisfied with that all the necessary data/information required for TOR project preparations are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation which will be submitted after acceptance of application.
7. The Form-1, PFR and EMP (ToR Application) report for the proposal is prepared by my team as per guidelines laid down by QCI/NABET.

**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-2 to the minutes. The committee also stipulated following additional TOR Points:**

**Additional TOR:**

1. To ensure proper monitoring, the project proponent/consultant should provide evidence in for of (A) Raw Data (B) Logbook of their site visit along with activities carried out during monitoring (C) Real time photographs showing monitoring machine, public, lab person etc.
2. EIA coordinator & FAE should give a photo affidavit during EIA presentation that they have personally visited the site & they have also taken all the mitigating measures for any critical issues involved in the project.
3. Combined KML of all mines in a cluster should be submitted at the time of EIA.
4. The details of equipment used for baseline monitoring alongwith its photograph mentioning date, time and geo coordinates for preparation of EIA report should be clearly displayed to the people present during public hearing and the complete details related to monitoring period must be mentioned in the minutes of public hearing.
5. The project proponent/Consultant should identify the core & buffer zone (2.5 km) of the mining site.
6. Agreement/ Consent between project proponent and competent authority/ landowner for haulage road from lease site to link road to be submitted at the time of EIA presentation.
7. Proponent/ Consultant should submit the plan/information along with technology (photographs of water sprinklers/ tankers) to be implemented for mitigating dust at source points in lease area and haulage road during operation activity/vehicular movement. Technology should be displayed at the time of EIA presentation.
8. Proposed plantation plan with area specific plant species, number of plants to be planted and place of plantation along with a proper map to be submitted at the time of EIA presentation.
9. Water requirement details along with source of water and the permission/ agreement with the concerning authority/ person to be submitted at the time of EIA presentation.
10. Proponent/consultant shall present TOR specific/additional conditions compliance, observation/suggestions raised during the public hearing and commitment made by the project proponent in a tabular form with a time bound plan at the time of EIA presentation.
11. Corporate Social Responsibility (CSR) to be prepared as per the MoEF guidelines and present it at the time of EIA presentation.

**9. Stone (Gitti/ Boulder (Dolo Stone)), Mining in Gata No.- 4949 Kha, Village- Billimarkundi, Tehsil- Obra, District- Sonbhadra, Shri Arun Singh Yadav, M/s Shri Mahadev Enterprises Area: 5.88 ha. File No. 6399/Proposal No. SIA/UP/MIN/64123/2021**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt. Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Building Stone (Gitti/ Boulder (Dolo Stone)) Mining at Gata No.- 4949 Kha, Village- Billimarkundi, Tehsil- Obra, District- Sonbhadra, U.P., M/s Shri Mahadev Enterprises, (Leased Area 5.880ha).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 15/Parya/SEIAA/6399/2021, dated 21/04/2022.
3. The public hearing was organized on 10/06/2022. Final EIA report submitted by the project proponent on 06/07/2022.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/64123/2021		
2.	File No. allotted by SEIAA, UP	6399		
3.	Name of Proponent	M/s Shri Mahadev Enterprises, Contact Person- Shri Arun Singh Yadav		
4.	Full correspondence address of proponent	R/o- G.F-1, Signature Square, Shivnagar Colony, Obra, Tehsil- Obra, Distt. Sonbhadra, U.P.		
5.	Name of Project	Building Stone (Gitti/ Boulder (Dolo Stone)) Mining Project		
6.	Project location (Plot/ Khasra /Gata No.)	Gata No.- 4949 Kha		
7.	Name of Village	Billimarkundi		
8.	Tehsil	Obra		
9.	District	Sonbhadra		
10.	Name of Minor Mineral	Building Stone (Gitti/ Boulder (Dolo Stone))		
11.	Sanctioned Lease Area (in Ha.)	5.880 ha.		
12.	Max.& Min mRL within lease area	226 mRL- 190 mRL		
13.	Pillar Coordinates(Verified by DMO)	Pillars	Latitude (N)	Longitude (E)
		A	24°28'38.56"N	83° 0'59.67"E
		B	24°28'36.44"N	83° 0'59.32"E
		C	24°28'33.58"N	83° 0'59.62"E
		D	24°28'34.69"N	83° 0'57.44"E
		E	24°28'34.65"N	83° 0'56.13"E
		F	24°28'31.24"N	83° 0'55.96"E
		G	24°28'31.27"N	83° 0'55.49"E
		H	24°28'33.14"N	83° 0'54.05"E
		I	24°28'34.10"N	83° 0'52.36"E
		J	24°28'33.05"N	83° 0'51.52"E
		K	24°28'34.57"N	83° 0'49.42"E
		L	24°28'37.15"N	83° 0'49.79"E
		M	24°28'37.32"N	83° 0'47.66"E
		N	24°28'40.09"N	83° 0'47.75"E
		O	24°28'39.90"N	83° 0'53.02"E
		P	24°28'41.49"N	83° 0'53.13"E
		Q	24°28'41.46"N	83° 0'54.50"E
		R	24°28'40.70"N	83° 0'55.21"E
		S	24°28'40.20"N	83° 0'56.00"E
		T	24°28'39.44"N	83° 0'56.02"E

		U	24°28'39.18"N	83° 0'57.16"E
		V	24°28'38.49"N	83° 0'57.20"E
14.	Total Geological Reserves	4749228 m <sup>3</sup>		
15.	Total Mineable Reserves	1524058 m <sup>3</sup>		
16.	Total Proposed Production (in five year)	940800 m <sup>3</sup>		
17.	Proposed Production / year	Year	Production	
		1 <sup>st</sup>	188160 m <sup>3</sup>	
		2 <sup>nd</sup>	188160 m <sup>3</sup>	
		3 <sup>rd</sup>	188160 m <sup>3</sup>	
		4 <sup>th</sup>	188160 m <sup>3</sup>	
		5 <sup>th</sup>	188160 m <sup>3</sup>	
		Total	940800 m <sup>3</sup>	
18.	Sanctioned Period of Mine lease	10 Years		
19.	Method of Mining	Opencast Semi-Mechanized		
20.	No.of working days	300 days		
21.	Working hours/day	8 Hours/Day		
22.	No.Of workers	46 (approx.)		
23.	No.Of vehicle movement /day	63 (approx.)		
24.	Type of Land	Govt. revenue land		
25.	Ultimate Depth of Mining	26.0 meter (average)		
26.	Nearest metalled road from site	0.30 km		
27.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking & Others	0.50	
		Suppression of dust	3.60	
		Plantation	6.00	
		Others( if any)	-----	
		Total	10.10	
28.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Paramarsh (Servicing Environment and Development), Lucknow, U.P. QCI/NABET/EIA/2124/RA0224 Validity- May 01, 2024		
29.	Any litigation pending against the project or land in any court	No		
30.	Details of 500 m Cluster Map & certificate Verified by Mining Officer	DMO, Sonbhadra vide Letter No. 1532/Khanij/2021, Dated 29.05.2021		
31.	Details of Lease Area in approved DSR	Sudhi Patra No.-4616/ Khanij/ 2022 Dated- 01.01.2022 at Page No.-1, S.No.- 2		
32.	Proposed CER cost	2.60 Lakh		
33.	Proposed EMP cost	38.60 Lakh		
34.	Length and breadth of Haul Road.	Length- 0.30 km, Width- more than 6.0 m		
35.	No. of Trees to be Planted	6000		

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. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
7. 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.
8. There is no litigation pending in any court regarding this project.
9. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 04/08/2022 mentioning is as follows:

1. I, Pankaj Srivastava S/o Sri V.V. Srivastava am EIA Coordinator of Paramarsh Servicing Environment and Development.

2. I have prepared EIA report for EC in the name of M/s Shri Mahadev Enterprises, Contact Person- Shri Arun Singh Yadav S/o Shri Kripa Shankar Yadav for the Building Stone (Gitti/ Boulder (Dolo Stone)) Mining in Village- Billimarkundi, Gata No.- 4949 Kha, Village- Billimarkundi, Tehsil- Obra, District- Sonbhadra, U.P. (Applied Area : 5.880 ha.) with my team.
3. I have personally visited the site of proposal and certify that no Mining activity has been undertaken on the project site for the present proposal.
4. I am satisfied with that all the necessary data/information submitted along with EIA are true and correct.
5. I certify that this project proposal has been uploaded for the first time on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on the online application submitted on Parivash Portal and hard copy which is submitted after acceptance of application.
7. I state that all the TOR Points have been complied and all the issues raised during Public Hearing have been properly addressed in EIA report.
8. The EIA report for the Proposal is prepared by my team as per guideline laid down by QCI/NABET.

**RESOLUTION AGAINST AGENDA NO. 09**

**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-1 to these minutes. The committee also stipulated the following specific conditions:**

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.

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

**10. Proposed Residential Project “Shalimar Gallant West” at Khasra No.-182, 184, 202 & 203 at Islambadi, Ward-Shanker Purwa, Mahanagar, Lucknow, Shri Janam Chaudhari, M/s Shalimar Corp Limited. File No. 7178/Proposal No. SIA/UP/MIS/281623/2022**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s ENV DAS (India) Pvt. Ltd., Lucknow. The proponent, through the documents submitted and the presentation made informed the committee that:

1. The environmental clearance is sought for Proposed Residential Project “Shalimar Gallant West” at Khasra No.-182, 184, 202 & 203 at Islambadi, Ward-Shanker Purwa, Mahanagar, Lucknow, U.P., M/s Shalimar Corp Limited.
2. Area statement of the project:

Sl. No.	Description	Area (m <sup>2</sup> )	Percentage
1.	Plot Area	8161.81	
2.	Permissible Ground Coverage	3264.45	40%
3.	Proposed ground Coverage	1492.98	18.29%
4.	Permissible FAR Area	12,242.71	(@1.50)
5.	Incentive FAR	679.00	(@0.08)
6.	Permissible Paid Area	11,563.72	(@1.42)
7.	Total Permissible FAR Area with Paid FAR	24,485.43	(@3.00)
8.	Total Permissible FAR area	24,485.43	(@3.00)
9.	Total paid proposed FAR	8186.85	
10.	Proposed FAR (4+5+9)	21,108.57	(@2.58)
11.	Total Open Area (Plot Area- Ground Coverage) (8161.81 -1492.98)	6668.83	
12.	Basement	4926.34	
13.	Other services & EWS	6611.49	
14.	Total Non-Far Area	11,537.83	
15.	Built up Area (Proposed FAR+ Total Non-Far Area) (21,108.57 + 11,537.83)	32,646.40	
16.	Green area Proposed (Soft Green)	1236.31 (169 Trees proposed)	15.15
17.	Number of floors	Tower A = G+18 Tower B = G+17 EWS =G+3	
18.	Height of the building	72.90 m	
19.	Number of units	Tower A =36 Tower B=35 EWS =16 Total Units = 87	
20.	Parking Area Required	1675.63	
21.	Parking Area Proposed	6333.89	
22.	Population	5 person per unit	

3. 02 nos. of rain water harvesting pits are proposed.

4. Land use details:

Description	Present (Sq. m)	Percentage
Ground Coverage	1492.98	18

Green Area	1236.31	15
Paved Area	5432.52	67
Total	8161.81	100

**5. Water calculation details:**

Sl. No.	Water Description	Unit/Area (in m <sup>2</sup> )	Total Occupancy	Rate of water demand (lpcd)	Total Fresh Water (KLD)	Total Flushing/Recycled water (KLD)	Total Water Requirement (KLD)
1.	Residential	87units (@5 persons per unit)	435	Fresh Water @ 90 LPCD Flushing Water @ 45 LPCD	40	20	60
2.	Visitors	(10% of total residential population)	44	Fresh Water @ 5 LPCD Flushing Water @ 10 LPCD	0.22	0.44	1.00
3.	Staff	(5% of total residential population)	22	Fresh Water @ 30 LPCD Flushing Water @ 15 LPCD	0.66	0.33	1.00
Total Domestic water					~41.00	~21.00	62.00
6.	Landscape	1236.31		5 l/m <sup>2</sup> (For Summers)	6.00		6.00
				0.5 l/m <sup>2</sup> (For Monsoon)	0.6 ~ 1.0		
	Total Water demand						68.00
Grand Total					68 KLD (During Non-Monsoon)		
					63 KLD (During Monsoon)		

**6. Waste water details:**

Fresh Water	41 KLD
Flushing	21KLD
Horticulture / Landscape	6 KLD (Non-Monsoon) 1 KLD (Monsoon)
Road Washing/Sprinkling	15 KLD (Non-Monsoon) 12 KLD (Monsoon)
Recycled water	42 KLD
Total Water Requirement	62 KLD
Total Waste water Generation	50 KLD
Source of water – Municipal water supply	
STP capacity : 65 KLD (@ 25% higher capacity)	
STP Technology: MBBR Technology	
STP Location: Basement	

**7. Parking details:**

Basement Parking (@32/ECS, Area: 3200 sqm)	100 ECS
Open Parking ((@18/ECS, Area:360 sqm)	20 ECS
Visitors Parking (10% of total parking i.e. 120 ECS)	12 ECS
Two wheeler Parking	30
Total Parking Provided (Including visitors Parking)	132 ECS+30 Two wheeler parking

**8. Solid waste details:**

Sl. No.	Particulars	Population	Waste generated in kg/day
1.	Residential (@0.5kg/day)	435	218.00
2.	Visitors (@0.15kg/day)	44	7.00
3.	Staff (@ 0.25kg/day)	22	6.00
Total Solid waste generated			231 kg/day
Horticulture Waste (@ .0037/sqm/day) (1236.31)			5 Kg/Day
E-Waste (0.15 kg/C/Yr)			Approx. 2 Kg/Day
STP sludge (0.04kg/KLD of waste water)			2 kg/day

**9. Power requirement details:**

Power requirement	793.86 KW
Source of power and supply capacity	Madhyanchal Vidyut Vitaran Nigam Limited (MVVNL)
Backup power supply arrangement	662.5 KW (2 DG Set)
Location of Genset	Open

10. The project proposal falls under category–8(a) of EIA Notification, 2006 (as amended).

The project proponent also submitted an affidavit dated 05/08/2022 mentioning that the land has been purchased by Shalimar Corp Ltd. from Hewett Engineering College Society. Earlier the land was on rent and was being used as marriage lawn with the name “Shree Nath Ji Lawn”. There is some temporary existing construction work done by Shree Nath Ji Lawn i.e. old boundary wall with two gates, servant quarter (temporary construction). Total temporary covered area at the site is 975 sqm and no construction has been done by Shalimar Corp. Ltd. at the project site.

The consultant (EIA Coordinator) also submitted an affidavit dated 02/07/2022 mentioning is as follows:

1. I, Ipsita Pande, W/o Ankit Pande is EIA Coordinator of ENV Das India Pvt. Ltd.
2. I have prepared EMP report for the proposal no. SIA/UP/MIS/281623/2022 with project name Residential Project “Shalimar Gallant West” at Khasra No.-182, 184, 202 & 203 at Islambadi, Ward-Shanker Purwa, Mahanagar, Lucknow, U.P., M/s Shalimar Corp Limited with my team.
3. I have personally visited the site of proposal and certify that no construction activity has been undertaken on the project site of the present proposal.
4. I have satisfied with that all the necessary data/information required for EMP project preparations are true and correct.
5. **I certify that this project has been uploaded on Parivesh Portal earlier which had been requested for withdrawal, due to change in layout plan. However, it is still pending under the status “request for withdraw”.**
6. **Due to delay in acceptance for withdrawal, the proposal was again submitted on online application and hard copy/presentation submitted.**
7. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation.
8. The EMP report for the proposal is prepared by my team as per guidelines laid down by QCI/NABET.

**RESOLUTION AGAINST AGENDA NO-10**

**The committee discussed the matter and recommended grant of environmental clearance on the proposal as above alongwith standard environmental clearance conditions prescribed by MoEF&CC, GoI and following additional conditions:**

**Additional Conditions:**

1. Project proponent is advised to explore the possibility and getting the cement in container rather through the plastic bag.
2. Project proponent should ensure that there will be no use of “Single use of Plastic” (SUP).
3. In compliance to Hon’ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs. GoI and others) anti-smog guns shall be installed to reduce dust during excavation.
4. The proponent should provide the electric vehicle charging points and also allocate the safe and suitable place in the premises for the same.
5. Project Proponent should adopt 01 village & develop them as model village.

**Standard Environmental Clearance Conditions prescribed by MoEF&CC:**

1. Statutory compliance:
  1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
  2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.
  3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
  4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
  5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
  6. The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
  7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
  8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
  9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
  10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
2. Air quality monitoring and preservation:
  1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
  2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
  3. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25) covering upwind and downwind directions during the construction period.
  4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3 meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.



5. Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
6. Wet jet shall be provided for grinding and stone cutting.
7. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
9. The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
11. For indoor air quality the ventilation provisions as per National Building Code of India.
3. Water quality monitoring and preservation:
  1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
  2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
  3. Total fresh water use shall not exceed the proposed requirement as provided in the project details.
  4. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
  5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
  6. At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
  7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
  8. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
  9. Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
  10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
  11. The local bye-law provisions on rain water harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
  12. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.

13. All recharge should be limited to shallow aquifer.
14. No ground water shall be used during construction phase of the project.
15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
16. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed in to municipal drain.
18. No sewage or untreated effluent water would be discharged through storm water drains.
19. Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odor problem from STP.
21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.
4. Noise monitoring and prevention:
  1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
  2. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
  3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
5. Energy Conservation measures:
  1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
  2. Outdoor and common area lighting shall be LED.
  3. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
  4. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
  5. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.

6. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
6. Waste Management :
  1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
  2. Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
  3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
  4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
  5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
  6. Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
  7. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
  8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25<sup>th</sup> January, 2016. Ready mixed concrete must be used in building construction.
  9. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
  10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
7. Green Cover:
  1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
  2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
  3. Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
  4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
8. Transport:
  1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
    - a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.

- b. Traffic calming measures.
  - c. Proper design of entry and exit points.
  - d. Parking norms as per local regulation.
2. Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
9. Human health issues :
  1. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
  2. For indoor air quality the ventilation provisions as per National Building Code of India.
  3. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
  4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
  5. Occupational health surveillance of the workers shall be done on a regular basis.
  6. A First Aid Room shall be provided in the project both during construction and operations of the project.
10. Corporate Environment Responsibility:
  1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
  2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
  3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
  4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
11. Miscellaneous:
  1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.

2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
6. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
9. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
13. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
15. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**11. Stone & Sand Stone Mining at Arazi No.- 3 Kh and 3 Gh, Village- Manikpur, Tehsil- Lalganj, Mirzapur, Smt. Mithilesh Dubey, Area: 8.080 ha. File No. 7179/6732/Proposal No. SIA/UP/MIN/79643/2021**

The consultant informed the committee that they are strictly following the rules, regulations and other instructions of QCI/NABET. A presentation was made by the project proponent along with their consultant M/s Cognizance Research India Pvt. Ltd. Based on the documents submitted and presentation made by the project proponent along with the consultant, the following facts have emerged: -

1. The environmental clearance is sought for Building Stone (Sandstone) Mining Project at Arazi No. 3Kh and 3Gh, Village- Manikpur, Tehsil- Lalganj, District-Mirzapur, State-U.P (Leased Area 8.080ha).
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 07/Parya/SEIAA/6732/2021 dated 11/04/2022.
3. The public hearing was organized on 10/06/2022. Final EIA report submitted by the project proponent on 07/07/2022.
4. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SIA/UP/MIN/79643/2021																																																									
2.	File No. allotted by SEIAA, UP	7179/6732																																																									
3.	Name of Proponent	Shrimati Mithilesh Dubey																																																									
4.	Full correspondence address of proponent and mobile No.	R/o Village- Kalana Dubey, Tehsil-Sadar, District-Mirzapur, State-Uttar Pradesh.																																																									
		Mobile No-																																																									
		Email-																																																									
5.	Name of Project	Manikpur Building Stone (Sandstone) Mining project																																																									
6.	Project location (Plot/Khasra/Gata No.)	Arazi No. 3 Kh and 3 Gh																																																									
7.	Name of River	-																																																									
8.	Name of Village	Manikpur																																																									
9.	Tehsil	Lalganj																																																									
10.	District	Mirzapur																																																									
11.	Name of Minor Mineral	Building Stone (Sandstone)																																																									
12.	Sanctioned Lease Area (in Ha.)	8.08ha																																																									
13.	Max & Min mRL within lease area	Max- 152.0 mRL and Min- 142.0 mRL																																																									
14.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th>Pillar No.</th><th>Latitude</th><th>Longitude</th></tr> </thead> <tbody> <tr><td>A</td><td>25° 2'36.80"N</td><td>82°20'25.90"E</td></tr> <tr><td>B</td><td>25° 2'33.80"N</td><td>82°20'36.50"E</td></tr> <tr><td>C</td><td>25° 2'31.10"N</td><td>82°20'35.50"E</td></tr> <tr><td>D</td><td>25° 2'31.80"N</td><td>82°20'33.60"E</td></tr> <tr><td>E</td><td>25° 2'31.10"N</td><td>82°20'33.40"E</td></tr> <tr><td>F</td><td>25° 2'33.10"N</td><td>82°20'27.60"E</td></tr> <tr><td>G</td><td>25° 2'27.50"N</td><td>82°20'24.40"E</td></tr> <tr><td>H</td><td>25° 2'25.30"N</td><td>82°20'29.90"E</td></tr> <tr><td>I</td><td>25° 2'24.30"N</td><td>82°20'29.60"E</td></tr> <tr><td>J</td><td>25° 2'25.60"N</td><td>82°20'26.50"E</td></tr> <tr><td>K</td><td>25° 2'23.70"N</td><td>82°20'24.70"E</td></tr> <tr><td>L</td><td>25° 2'24.10"N</td><td>82°20'23.30"E</td></tr> <tr><td>M</td><td>25° 2'23.40"N</td><td>82°20'23.00"E</td></tr> <tr><td>N</td><td>25° 2'24.40"N</td><td>82°20'20.95"E</td></tr> <tr><td>O</td><td>25° 2'26.60"N</td><td>82°20'22.00"E</td></tr> <tr><td>P</td><td>25° 2'29.00"N</td><td>82°20'17.90"E</td></tr> <tr><td>Q</td><td>25° 2'37.10"N</td><td>82°20'21.70"E</td></tr> <tr><td>R</td><td>25° 2'34.60"N</td><td>82°20'24.50"E</td></tr> </tbody> </table>	Pillar No.	Latitude	Longitude	A	25° 2'36.80"N	82°20'25.90"E	B	25° 2'33.80"N	82°20'36.50"E	C	25° 2'31.10"N	82°20'35.50"E	D	25° 2'31.80"N	82°20'33.60"E	E	25° 2'31.10"N	82°20'33.40"E	F	25° 2'33.10"N	82°20'27.60"E	G	25° 2'27.50"N	82°20'24.40"E	H	25° 2'25.30"N	82°20'29.90"E	I	25° 2'24.30"N	82°20'29.60"E	J	25° 2'25.60"N	82°20'26.50"E	K	25° 2'23.70"N	82°20'24.70"E	L	25° 2'24.10"N	82°20'23.30"E	M	25° 2'23.40"N	82°20'23.00"E	N	25° 2'24.40"N	82°20'20.95"E	O	25° 2'26.60"N	82°20'22.00"E	P	25° 2'29.00"N	82°20'17.90"E	Q	25° 2'37.10"N	82°20'21.70"E	R	25° 2'34.60"N	82°20'24.50"E
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K	25° 2'23.70"N	82°20'24.70"E																																																									
L	25° 2'24.10"N	82°20'23.30"E																																																									
M	25° 2'23.40"N	82°20'23.00"E																																																									
N	25° 2'24.40"N	82°20'20.95"E																																																									
O	25° 2'26.60"N	82°20'22.00"E																																																									
P	25° 2'29.00"N	82°20'17.90"E																																																									
Q	25° 2'37.10"N	82°20'21.70"E																																																									
R	25° 2'34.60"N	82°20'24.50"E																																																									
15.	Total Geological Reserves	37,14,480 m <sup>3</sup>																																																									
16.	Total Mineable Reserves in LOI	1,61,600m <sup>3</sup> / yr																																																									
17.	Total Proposed Production	1,61,600m <sup>3</sup> /yr																																																									
18.	Proposed Production/year	1,61,600 m <sup>3</sup>																																																									
19.	Sanctioned Period of Mine lease	Maximum 10 years																																																									
20.	Method of Mining	Open Cast Semi-mechanized Method																																																									
21.	No. of working days	260 days																																																									
22.	Working hours/day	8 hrs																																																									
23.	No. of workers	98																																																									
24.	No. of vehicles movement/day	87																																																									

25.	Type of Land	Government waste land	
26.	Ultimate Depth of Mining	42	
27.	Nearest metalled road from site	0.8 km	
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking	0.98
		For toilets	0.98
		Suppression of dust	8.736
		Plantation	16.16
		Others (if any)	-
		Total	26.50
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt. Ltd. 1922, validity= 25-10-2022	
30.	Any litigation pending against the project or land in any court	No	
31.	Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified	
32.	Details of Lease Area in approved DSR	Yes, given in the DSR	
33.	Proposed CER cost	Rs 3,00,000/-	
34.	Proposed EMP cost	EMP Capital Cost =Plantation Cost + CER =Rs. 80,80,000 + 3,00,000 = Rs. 83,80,000/-  EMP Recurring Cost- Rs. 9,97,600/-	
35.	Length and breadth of Haul Road	Length: 728 m, width: 6 m	
36.	No. of Trees to be Planted	8080 plants	

5. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
6. This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
7. 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.
8. There is no litigation pending in any court regarding this project.
9. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

The consultant (EIA Coordinator) also submitted an affidavit dated 28/07/2022 mentioning is as follows:

1. I, Ankur Sharma, S/o Lalit Mohan Sharma is EIA Coordinator of Cognizance Research India Pvt. Ltd.
2. I have prepared EIA project for the Proposal (SIA/UP/MIN/79643/2021) File No. 7179/6732 of Building Stone (Sandstone) Mining Project at Arazi No. 3Kh and 3Gh, Village- Manikpur, Tehsil- Lalganj, District-Mirzapur, State-U.P (Leased Area 8.080ha) with my team.
3. I have personally visited the site of proposal and certify that no mining/construction activity has been undertaken on the project site of the present proposal.
4. I am satisfied with that all the necessary data/information required for TOR project preparations are true and correct.
5. I certify that this project has been uploaded for the first time on Parivesh Portal.
6. I certify that there is no mismatch between information/data provided on online application and hard copy/presentation which will be submitted after acceptance of application.

7. I state that all the TOR points have been complied and all the issues raised during public hearing have been properly addressed in EIA report.
8. The Form-1, PFR and EMP (ToR Application) report for the proposal is prepared by my team as per guidelines laid down by QCI/NABET.

**RESOLUTION AGAINST AGENDA NO. 11**

**The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at Annexure-1 to these minutes. The committee also stipulated the following specific conditions:**

1. The project proponent shall install solar light in their site office.
2. During the submission of 6 monthly compliance reports, the project proponent should make sure that the periodically taken site photographs should also be annexed along with the compliance report.
3. Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
4. The maximum height of the bench should be 06 meters and the width of the bench should be at least twice the height of the bench as per the mine plan approval letter by DGM, U.P
5. In case the blasting is proposed during a mining operation, the project proponent needs to assess its impact on the displacement of human beings/wild animals/birds/other species, and the suitable measures proposed and taken for their rehabilitation and resettlement need to be clearly described in first 6 monthly compliance report.
6. The project proponent shall submit a final mine closure plan/Exit protocol for rehabilitation of mined-out land to match its surrounding land use 3years before the closure of the mine to SEIAA, UP and Department of Mines and Geology, UP for approval. The project proponent shall ensure the implementation of the approved plan under the supervision of the Dept. of Mines and Geology.
7. The project proponent shall plan and implement collection drain and siltation basins of adequate size to arrest the silt and sediment flow from the quarry area. The surface runoff rainwater harvesting and other water conservation measures on a long-term basis are to be taken in consultation with the Central/State Groundwater Board. The water so collected should be utilized for watering the haulage area, roads, and green belt development, etc.
8. The project proponent shall take all suitable measures to prevent pollution of groundwater and nearby water bodies in consultation with the State Pollution Control Board and consent to operate (if applicable) should be obtained from the State Pollution Control Board before the start of production from the mine.
9. Link Road from the quarry site to the main road shall be constructed as an all-weather road with blacktopping and maintained by the project proponent.
10. Vehicular emissions should be kept under control and regularly monitored. Suitable measures shall be taken for proper maintenance of vehicles used in a quarry operation and transportation.
11. The project proponent should explore the possibilities of rainwater harvesting.
12. **Standalone Cement Grinding Unit at Plot No. 170/1 and 170m, Village- Khor Near Industrial Area, amanwan Road, District: Raebareli, Mr. Mukesh Kumar Gupta, M/s Shipora Cement Works Pvt. Ltd. File No. 7020/6214/Proposal No. SIA/UP/IND/74797/2021**

The committee noted that the matter was earlier discussed in 651<sup>st</sup> SEAC meeting dated 10/05/2022 and recommended to constitute a committee to visit the site and examine the site suitability & environmental issues raised in public hearing. The SEAC-1 nominates Dr. B.B. Awasthi, Member, SEAC in this committee. In case SEIAA desires, it may also nominate one or two members



from SEIAA or any officer of UP Pollution Control Board or Directorate of Environment, U.P. in this committee for site visit.

Director, Environment nominated Mohd. Rahib, Assistant Director, Environment as member of joint committee to inspect the proposed site. SEIAA issued a letter no. 358/Parya/SEAC/7020/6214/2021, dated 20/06/2022 to the members of joint committee to inspect the project site and submit inspection report for necessary action. In compliance of SEIAA letter dated 20/06/2022, the members of joint committee Shri B.B. Awasthi, Member, SEAC-1 and Mohd. Rahib, Assistant Director, Environment inspect the site on 06/07/2022 along with Shri Gaurav Pandey (Director) representative of project proponent. The joint committee has been made following observations:

1. उक्त प्रस्तावित परियोजना स्थल का कुल क्षेत्रफल 1523.01 वर्ग मीटर है।
2. प्रस्तावित परियोजना के कुल क्षेत्रफल की सीमा का अक्षांश एवं देशांतर निम्नवत है:-

S.No.	Latitude	Longitude
Pillar 1	26°15'55.33"N	81°15'17'.48"E
Pillar 2	26°15'54.73"N	81°15'17'.19"E
Pillar 3	26°15'54.10"N	81°15'19'.13"E
Pillar 4	26°15'55.05"N	81°15'19'.55"E
Pillar 5	26°15'55.38"N	81°15'18'.76"E
Pillar 6	26°15'55.01"N	81°15'18'.57"E

3. प्रस्तावित परियोजना औद्योगिक क्षेत्र से लगभग 600 मीटर की दूरी पर है।
4. प्रस्तावित परियोजना के उत्तर दिशा में ग्राम खोर की आबादी लगभग 300 मीटर की दूरी पर, दक्षिण दिशा में लगभग 400 मीटर की दूरी पर आवासी कालोनिया एवं लगभग 600 मीटर की दूरी पर औद्योगिक क्षेत्र अमोवा रोड रायबरेली, पूरब दिशा में लगभग 500 मीटर की दूरी पर कृषि योग्य भूमि एवं पश्चिम दिशा में लगभग 300 मीटर की दूरी पर आवासीय कालोनी विद्यमान है।

उपरोक्त के दृष्टिगत समिति प्रस्तावित परियोजना के स्थल को पर्यावरणीय दृष्टि से निम्न शर्तों के अनुकूल मानती है:-

1. परियोजना स्थल पर कुल क्षेत्रफल का 33 प्रतिशत या उससे ज्यादा का ग्रीन बेल्ट मेन्टेन करना होगा।
2. लोडिंग/अनलोडिंग एवं अन्य ट्रांसफर पॉइन्ट्स पर पर्याप्त वॉटर स्पिरिकनिंग व्यवस्था किया जाना होगा।
3. पर्यावरण स्वच्छता प्रमाण पत्र एवं सी0टी0ओ0/सी0टी0ई0 में दिये गये निर्देशों का काड़ाई से पालन किया जाएगा।
4. लोक सुनवाई में दिये गये सुझावों को काड़ाई से लागू किया जाएगा।

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

1. The environmental clearance is sought for Standalone Cement Grinding Unit (1 x 300 = 300 TPD) at Plot No. 170/1 and 170M, Village- Khor Near Industrial Area, amanwan Road, District: Raebareli, U.P., M/s Shipora Cement Works Pvt. Ltd.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 114/Parya/SEIAA/6214/2021, dated 11/06/2021.
3. Public hearing was organized on 02/02/2022 at the project site and final EIA report submitted on Parivesh portal on 05/04/2022.
4. Salient features of the project:

Sr.	Title	Details
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**Minutes of 677<sup>th</sup> SEAC-1 Meeting Dated 05/08/2022**

no.		
1.	Location of the project	Plot No. 170/1 and 170m, Village Khor Near Industrial Area amanwan Road, District: Raebareli, State: Uttar Pradesh
2.	Geo coordinates	Latitude; 25°27'39.45"N to 25°27'38.05"N  Longitude: 82°33'56.52"E to 82°33'55.96"E
3.	Toposheet No.	G44j7
4.	Land Area	0.152361 ha
5.	Project Cost	2.0 Crore
6.	Cost of EMP	8.0 Lakh
7.	Total Plant Capacity	90,000 TPA
8.	Total Land	1523.61 Sqm (0.152361 ha)
9.	Process adopted	Ball Mills
10.	Raw Materials: Cement Grinding Unit (CGU)	
11.	Material	Qty (MTPA)
12.	Clinker	54,000
	Gypsum	4,500
	Fly ash	31,500
13.	Water Requirement	5 KLD
	Source	Private water tankers
	Cement Grinding Unit	--
	Domestic	1 KLD
	Greenbelt	4 KLD
	Total	5 KLD
	Wastewater Generation	NA
	CGU Process Water	--
	Sanitary Waste Water	1 KLD (Septic tank followed by soak pit)
	Waste Water Treatment	Septic tank followed by soak pit
14.	Emissions sources and their control	
	Ball Mill	Bag Filters (99.9 % efficiency)
	Packers Section	Bag Filters (99.9 % efficiency)
15.	Total Power Requirement and source	Proposed : 40 KW Source: Supplied by Uttar Pradesh Power Corporation Ltd. (UPPCL)
16.	Manpower	18

5. Land use details:

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

6. Raw material details:

S.No	Material	Requirement per Annum - Million Ton/Annum	Source	Transportation Mode
1	Clinker - PPC	54,000	Near by saler	Sea / Road
2	Gypsum	4,500	Open Market	Road
3	Fly Ash	31,500	Nearby Power Plant	Road

7. Water requirement details:

Sr. No.	Water Consumption	Quantity (m3/day)
1	Cement Grinding Unit	-
2	Domestic/Drinking	1

3	Greenbelt Development	4
Total Water Requirement		5

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

**RESOLUTION AGAINST AGENDA NO-12**

**The committee discussed the matter and recommended grant of environmental clearance for the project proposal as above along with specific conditions and following standard environmental clearance conditions prescribed by MoEF&CC, GoI:**

**Specific conditions:**

- I. Three tier green belts shall be developed with native species all along the periphery of the project. Site survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years (Miyawaki method to be adopted for plantation)
- II. Performance test shall be conducted on all pollution control system every year and report shall be submitted to Regional office of the MoEF&CC
- III. Greening and paving shall be implemented in the plant area to arrest soil erosion and dust pollution exposed soil surface.
- IV. Properly covered vehicles shall be used while transporting material and product.
- V. Project Proponent should adopt 02 villages & development them as model village.
- VI. Allergy test should also be included in health checkup of works.

**Standard environmental clearance conditions:**

- I. Statutory compliance
  - i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
  - ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
  - iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
  - iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the State pollution Control Board.
  - v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
  - vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- II. Air quality monitoring and preservation
  - i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25<sup>th</sup> August, 2014 (Cement) and subsequent amendment dated 9<sup>th</sup> May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
  - ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
  - iii. The project proponent shall install system carryout to Ambient Air Quality

monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM<sub>10</sub> and PM<sub>2.5</sub> in reference to PM emission, SO<sub>2</sub> and NO<sub>x</sub> in reference to SO<sub>2</sub> and NO<sub>x</sub> emissions) within and outside the plant area at least at two locations (one within and one outside the plant area), covering upwind and downwind directions .

- iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six- monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
- vi. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.
- vii. Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
- viii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- ix. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.
- x. Provide wind shelter fence and chemical spraying on the raw material stock piles.
- xi. Have separate truck parking area and monitor vehicular emissions at regular interval.
- xii. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport.
- xiii. Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants

**III. Water quality monitoring and preservation:**

- i. The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (Case to case basis small plants: Manual; Large plants: Continuous).
- ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers /sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
- iii. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
- iv. Adhere to Zero Liquid Discharge.
- v. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
- vi. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off
- vii. The project proponent shall practice rainwater harvesting to maximum possible extent.
- viii. Water meters shall be provided at the inlet to all unit processes in the cement plant.
- ix. The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.

**IV. Noise monitoring and prevention**

- i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly

- compliance report.
  - ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
- V. Energy Conservation measures
- i. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
  - ii. Provide the project proponent for LED lights in their offices and residential areas.
  - iii. Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
- VI. Waste management
- i. The waste oil, grease and other hazardous shall be disposed of as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
  - ii. Kitchen waste shall be composted or converted to biogas for further use. (to be decided on case to case basis depending on type and size of plant).
- VII. Green Belt
- i. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
  - ii. The industry shall develop green belt as per the map provided by the PP and adopt area in existing industrial area to compensate 33% green belt.
  - iii. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.
- VIII. Public hearing and Human health issues
- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
  - ii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
  - iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
  - iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- IX. Corporate Environment Responsibility
- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
  - ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/violation of the environmental / forest /wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and shareholders I stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
  - iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
  - iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose.

Year wise progress of implementation of action plan shall be reported to the Ministry /Regional Office along with the Six Monthly Compliance Report.

- v. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
- vi. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants shall be implemented.

**X. Miscellaneous**

- i. Under CER activity as committed ambulance for handicapped, equipped with medical facilities may be provided.
- ii. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- iii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iv. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- v. The project proponent shall monitor the criteria pollutants level namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- vi. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vii. The project proponent shall submit the environmental statement for each financial year in Form-V to the State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- xi. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xii. Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv. The Ministry reserves the right to stipulate additional conditions if found necessary.
- xv. The Company in a time bound manner shall implement these conditions.
- xvi. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xvii. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

- xviii. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**(Dr. Brij Bihari Awasthi)**  
**Member**

**(Umesh Chandra Sharma)**  
**Member**

**(Dr. Ratan Kar)**  
**Member**

**(Om Prakash Srivastava)**  
**Member**

**(Dr. Ajai Mishra)**  
**Member**

**(Rajive Kumar)**  
**Chairman**

**(Ashish Tiwari)**  
**Member-Secretary, SEAC-1**

**Nodal, SEAC-1**

MoM prepared by Secretariat in consultation with  
Chairman & Members on the basis of decisions  
taken by SEAC-1 during the meeting.

**Annexure-1**

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

**A. General Conditions:**

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under the law.
3. Any addition of the mining area, change of Khasra numbers, enhancement of capacity, change in mining technology, modernization, and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
4. No change in the calendar plan including excavation, the quantum of mineral and waste shall be made.
5. Mining will be carried out as per the approved mining plan. In case of any violation of the mining plan, the Environmental Clearance given by SEIAA will stand cancelled.
6. Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for RSPM, SPM, SO<sub>2</sub>, NO<sub>x</sub> monitoring. The location of the stations should be decided based on the meteorological data, topographical features, and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly uploaded on the company's website and also displayed on the website.
7. Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub>) should be regularly submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and the State Pollution Control Board / Central Pollution Control Board once in six months.
8. Ambient air quality at the boundary of the mine premises shall conform to the norms prescribed in MoEF notification no. GSR/826(E) dated 16.11.09.
9. Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading, and at transfer points shall be provided and properly maintained.
10. Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. shall be provided with earplugs/muffs and health records of the workers shall be maintained.
11. Industrial wastewater (workshop and wastewater from the mine) should be properly collected, treated to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease traps shall be installed before the discharge of workshop effluents.
12. Personnel working in areas shall be provided with protective respiratory devices like masks and they shall also be imparted adequate training and information on safety and health aspects.
13. Special measures shall be adopted to prevent the nearby settlements from the impacts of mining activities.
14. The transportation of the materials shall be limited to the day hours' time only.
15. Provision shall be made for housing the laborers within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
16. A separate Environmental Management Cell with suitably qualified personnel shall be setup under the control of a Senior Executive, who will report directly to the Head of the Organization.
17. The Project Proponent shall inform the Integrated Regional Office, MoEF&CC, GoI, Lucknow and State Pollution Control Board regarding the date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.



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

**B. Specific Conditions:**

1. At the time of operation, the project proponent will comply with all the guidelines issued by the Government of India/State Govt./District Administration related to Covid-19.
2. This environmental clearance does not create or verify any claim of the applicant on the proposed site/activity.
3. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and the area is less than 05ha, but factually the distance is less than 500 mt, and the mine is located in the cluster of area equal to or more than 05ha, the E.C issued will stand revoked.
4. This environmental clearance shall be subject to a valid lease in favor of the project proponent for the proposed mining proposals. In case, the project proponent does not have a valid lease, this environmental clearance shall automatically become null and void.
5. The Environmental clearance will be co-terminus with the mining lease period/Mining Plan whichever is less. 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 the impact of the mining activity on the surrounding area shall be undertaken and a report submitted to this Authority within one year.
8. No two pits shall be simultaneously worked i.e. before the first is exhausted and reclamation work completed, no mineral bearing area shall be worked.
9. After exhausting the first mine pit and before starting mining operations in the next pit, reclamation and plantation work in the exhausted pit shall be completed to ensure that reclamation, forest cover, and vegetation are visible during the first year of mining operations in the next pit. This process will follow till the last pit is exhausted. Adequate rehabilitation of mined pit shall be completed before any new ore-bearing area is worked for expansion.
10. An adequate buffer zone shall be maintained between two consecutive mineral-bearing deposits.
11. The sprinkling of water on haul roads to control dust will be ensured by the project proponent.

12. Green belt development shall be carried out considering CPCB guidelines including the selection of plant species and in consultation with the local DFO / Agriculture Department. Herbs and shrubs shall also form a part of the afforestation programme besides tree plantation. The company shall involve local people in the plantation programme. Details of year-wise afforestation programme including rehabilitation of mined-out area shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow every year.
13. Blast vibrations study shall be conducted and an observation report submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and UPPCB within six months. The report shall also include measures for the prevention of blasting associated impact on nearby houses and agricultural fields.
14. Controlled blasting techniques with sequential blasting shall be adopted. The blasting shall be carried out in the daytime only. 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 Integrated Regional Office, MoEF&CC, GoI, Lucknow and UP Pollution Control Board within six months and thereafter every year from the next consequent year.
19. The self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.
20. Measures for prevention and control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion shall be carried out with geotextile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.
21. Trenches/garland drains shall be constructed at foot of dumps and coco filters installed at regular intervals to arrest silt from being carried to water bodies. An adequate number of Check Dams and Gully Plugs shall be constructed across seasonal/perennial nallahs if any flowing through the ML area and silts arrested. De silting at regular intervals shall be carried out.
22. Garland drain of appropriate size, gradient, and length shall be constructed for both mine pit and waste dump and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide an adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de silted at regular intervals.
23. Ground and surface water, if any in and near the core zone (within 5.0 km of the lease) shall be regularly monitored for contamination and depletion due to mining activity and records maintained. The monitoring data shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly. Further, monitoring points shall be located between the mine, and drainage in the direction of flow of groundwater shall be set up and records maintained.
24. Fugitive dust generation shall be controlled. Fugitive dust emission shall be regularly monitored at locations of nearest human habitation (including schools and other public amenities located nearest to sources of dust generation as applicable) and records submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board regularly.

25. Baseline data for ambient air quality shall be generated and maintained and RSPM level in ambient air in the nearby human habitation (villages) shall also be monitored along with other parameters.
26. Corporate Environmental Responsibility (CER) shall be by the project proponent and the details of the various heads of expenditure are to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. Work to be executed with the installation of five hand pumps for drinking water, solar light in villages of streets, construction of two numbers of toilets at the primary school with name displayed and address and details of the beneficiary and gram Pradhan along with phone number, photographs should be submitted to Directorate as well as to the District Magistrate / Chief Development officers.
27. Transportation of minerals shall be done by covering the trucks with tarpaulin or other suitable mechanisms so that no spillage of mineral/dust takes place.
28. Occupational health and safety measures for the workers including identification of work-related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust, etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including the health records of the workers. Awareness programmes for workers on the impact of mining on their health and precautionary measures like the use of personal protective equipment etc. shall be carried out periodically. A review of the impact of various health measures shall be conducted followed by follow-up action wherever required.
29. The project proponent will ensure for employing local people as per requirement, necessary protection measures around the mine pit and waste dump, and garland drain around the mine pit and waste dump.
30. Topsoil / solid waste shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (wherever applicable) for reclamation and rehabilitation of the mined-out area. Topsoil shall be separately stacked for utilization later for reclamation and shall not be stacked along with overburden.
31. Overburden (OB) shall be stacked at the earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 20 m, each stage shall preferably be of a maximum of 10 m and the overall slope of the dump shall not exceed 35°. The OB dump shall be backfilled. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface runoff.
32. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Regional Office, Ministry of Environment & Forests, GoI, Lucknow, and U.P. Pollution Control Board on a six-monthly basis.
33. The slope of the mining bench and ultimate pit limit shall be as per the mining scheme approved by the Indian Bureau of Mines.
34. Permission for the abstraction of groundwater shall be taken from Central Ground Water Board. Regular monitoring of ground and surface water sources for level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year i.e., premonsoon (April/May), monsoon (August), post-monsoon (November), and winter (January), and the data thus collected shall be regularly sent to MoEF&CC, Central Ground Water Authority, and Regional Director, Central Ground Water Board.
35. The wastewater from the mine shall be treated to conform to the prescribed standards before discharging into the natural stream. The discharged water from the Tailing Dam, if any shall be regularly monitored and report submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow, Central Pollution Control Board, and the State Pollution Control Board.
36. Hydrogeological study of the area shall be reviewed by the project proponent annually. In case the adverse effect on groundwater quality and quantity is observed mining shall be stopped and resumed only after mitigating steps to contain any adverse impact on groundwater is implemented.
37. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of minerals and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. The vehicles transporting minerals shall be

- covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the period of transportation. No overloading of minerals for transportation shall be committed. The trucks transporting minerals shall not pass through the wildlife sanctuary if any in the study area.
38. Prior permission from the Competent Authority shall be obtained for the extraction of groundwater if any.
  39. A final mine closure plan, along with details of Corpus Fund, shall be submitted to the Integrated Regional Office, MoEF&CC, GoI, Lucknow and U.P. Pollution Control Board 5 years in advance of final mine closure for approval.
  40. Project Proponent shall explore the possibility of using solar energy where ever possible.
  41. Commitment towards CER has to be followed strictly.
  42. Regular health checkup record of the mineworkers has to be maintained at the site in a proper register. It should be made available for inspection whenever asked.
  43. Project Proponent has to strictly follow the direction/guidelines issued by MoEF&CC, CPCB, and other Govt. Agencies from time to time.
  44. The blasting will be done only after getting permission from the Mining Department.

**Annexure-2**

**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) 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.
- 21) 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.
- 22) 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.
- 23) 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.
- 24) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 25) Description of water conservation measures proposed to be adopted in the Project should be given.

- 26) Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 27) 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.
- 28) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater.
- 29) 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.
- 30) 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.
- 31) 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.
- 32) 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.
- 33) 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.
- 34) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
- 35) 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.
- 36) 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.
- 37) 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.
- 38) 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.
- 39) 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.
- 40) 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.
- 41) Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 42) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
- 43) A Disaster management Plan shall be prepared and included in the EIA/EMP Report.
- 44) 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.

45) 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.