

Minutes of 597th SEAC-2 Meeting Dated 29/11/2021

The 597th meeting of SEAC-2 was held in the Directorate of Environment, U.P. through dual-mode (physically/virtually) at 11:00 AM on 29/11/2021. Following members participated in the meeting:

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

The Chairman welcomed the members to the 597th SEAC-2 meeting which was conducted via dual-mode (virtually/physically). Nodal Officer, SEAC-2 informed the committee that the agenda has been approved by the Member Secretary, SEAC-2/Director Environment. Nodal Officer, SEAC-2 placed the agenda items along with the available file and documents before the SEAC-2.

1. Residential Group Housing Development at Plot No.-GH-01/A, Sector-107, Noida, District-Gautam Budh Nagar, U.P., M/S MAHAGUN INFRATECH PVT. LTD. File No. 6639/Proposal No. SIA/UP/MIS/68516/2021

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

1. The terms of reference is sought for Residential Group Housing Development at Plot No.-GH-01/A, Sector-107, Noida, District-Gautam Budh Nagar, U.P., M/s Mahagun Infratech Pvt. Ltd.
2. The proposed project is a “Residential Group Housing Development”, the total plot area for the project will be 40,000 m² and the total FAR Area of the project will be 146,970.83 m² and Non-FAR Area of the project will be 113,330.22 m². The built-up area of the project will be 260,301.05 m² and the total no. of floors will be 2B+S+29. The maximum height of the building will be 99.75 m.
3. During the construction phase, total requirement will be 16 KLD, out of which 11 KLD of water is required for domestic purposes which will be sourced through tankers and 05 KLD of water will be required for construction use which will be taken from STP treated water from Municipal Supply from NOIDA authority. Mobile toilets will be provided for construction labors which will be cleaned regularly.
4. During the operational phase, the total water requirement of the project is expected to be 645 KLD out of which 376 KLD of freshwater will be met from Municipal Supply from NOIDA authority and 269 KLD will be recycled water. Wastewater generated of 495 KLD will be treated in STP and the 445 KLD of treated water obtained from STP will be reused for flushing, gardening, cooling & Misc. purposes.
5. About 1,972 kg/day solid waste has been estimated to be generated from the complex. The biodegradable waste (1,198 kg/day) will be processed in OWC and the generated non-biodegradable waste will be (774 kg/day) which will be handed over to the approved recycler.
6. The total Power Requirement during the construction phase will be met by DG Set of 2 x 125 kVA & 1 x 62.5 KVA and total power requirement during operation phase will be 5063 KVA (4556 KW) which will be met from Uttar Pradesh Power Corporation Limited (UPPCL). Also, during power failure, DG Set of capacity 1 x 1010 & 2 x 1500 KVA will be provided.

7. Rooftop rainwater of the building will be collected in 10 RWH pits for harvesting after filtration and recharging the groundwater.
8. The total parking requirement for the proposed complex is 1838 ECS and total parking provision is 1840 ECS.
9. Solar energy will be used within the project by installing Solar water heater, solar lights will be used for street lighting & common areas.
10. There is one wildlife sanctuary, within 10 km distance from the project site. Okhla Bird Sanctuary is at a distance of 5.41 Km WNW from the project boundary. Since the ESZ of the sanctuary is declared.
11. Cost of the Project is estimated to be Rs. 897 Crores.
12. Area details of the project:

Particulars	Unit	Area in sqm
Cost of the project	₹	897 crore (Land Cost- 360 cr & Construction Cost- 537 cr)
Plot Area	m ²	40,000
GROUND COVERAGE		
Ground Coverage (Permissible)	m ²	16,000
Ground Coverage (Proposed)	m ²	12,042.28
F.A.R AREA		
F.A.R (Permissible)	m ²	110,000
Permissible Paid FAR	m ²	30,000
Total Permissible	m ²	140,000
FAR for Green Building	m ²	7,000
Total FAR	m ²	147,000
FAR Proposed (A)	m ²	146,970.83
Non-F.A.R AREA		
Basement Area		
First Basement Area	m ²	28205.70
Second Basement Area	m ²	27343.00
Total Basement Area (B)	m ²	55,548.70
Other Non-FAR Area		
Other Non-F.A.R Area- (stilt) = (C)	m ²	2,805.39
Service FAR- D	m ²	20324.13
Balcony Area- E	m ²	34,652.00
Built-up Area (A+B+C+D+E)	m ²	260,301.05
Green Area	m ²	14,108.69
Open Area	m ²	27,957.72
No. of Floors	No.	2B+S+29
No. of Blocks	No.	08 Residential Towers + commercial + community
Level of Basement	No.	2
Height of building	m	99.75
No. of DU	No.	816

13. Salient features of the project:

Total Power load	KVA	5063 (4556 KW)
No. of DG sets	kVA	1 x 1010 & 2 x 1500
No. of Rain water Harvesting pits	No.	10
Total Water Requirement	KLD	645
Fresh Water Requirement	KLD	376
Waste Water Generation	KLD	495
STP Capacity	KLD	650
Treated Water Generation	KLD	445
Treated Water Reuse	KLD	269
Excess treated water given to nearby area for horticultural purposes	KLD	176

Total Solid Waste	kg/day	1972
Total Biodegradable Waste	kg/day	1198
Total Non-Biodegradable Waste	kg/day	774
Parking Required	ECS	1,838
Total Parking Provision	No.	1,840

14. Population details:

Resident in DU - 816 @ 5	No.	4080
Staff and maintenance Staff	No.	120
Visitors	No.	410
Visitor commercial and community	No.	250
TOTAL POPULATION	No.	4,860

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

RESOLUTION AGAINST AGENDA NO-01

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

1. Project proponent shall provide the permission from Airport Authority (NOC) at the time of EIA appraisal presentation.
2. Proponent shall provide the dual pipeline network in the project for utilization of treated water (STP) for different purposes and also provide the monitoring mechanism for the same.
3. Examine details of land use as per Master Plan and land use around 10 km radius of the project site. Analysis should be made based on latest satellite imagery for land use with raw images. Check on flood plain of any river.
4. Submit details of environmentally sensitive places, land acquisition status, rehabilitation of communities/ villages and present status of such activities.
5. Examine baseline environmental quality along with projected incremental load due to the project.
6. Environmental data to be considered in relation to the project development would be (a) land, (b) groundwater, (c) surface water, (d) air, (e) bio-diversity, (f) noise and vibrations, (g) socio economic and health.
7. Submit a copy of the contour plan with slopes, drainage pattern of the site and surrounding area. Any obstruction of the same by the project
8. Submit the details of the trees to be felled for the project.
9. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
10. Submit Roles and responsibility of the developer etc for compliance of environmental regulations under the provisions of EP Act.
11. Ground water classification as per the Central Ground Water Authority.
12. Examine the details of Source of water, water requirement, use of treated waste water and prepare a water balance chart.
13. Rain water harvesting proposals should be made with due safeguards for ground water quality. Maximize recycling of water and utilization of rain water. Examine details.
14. Examine soil characteristics and depth of ground water table for rainwater harvesting.
15. Examine details of solid waste generation treatment and its disposal.
16. Examine and submit details of use of solar energy and alternative source of energy to reduce the fossil energy consumption. Energy conservation and energy efficiency.
17. DG sets are likely to be used during construction and operational phase of the project. Emissions from DG sets must be taken into consideration while estimating the impacts on air environment. Examine and submit details.

18. Examine road/rail connectivity to the project site and impact on the traffic due to the proposed project. The plan should include the provision of link road from mining area to main road with black topping to prevent air pollution due to dust emission. Present and future traffic and transport facilities for the region should be analysed with measures for preventing traffic congestion and providing faster trouble free system to reach different destinations in the city.
19. A detailed traffic and transportation study should be made for existing and projected passenger and cargo traffic.
20. Examine the details of transport of materials for construction which should include source and availability.
21. Examine separately the details for construction and operation phases both for Environmental Management Plan and Environmental Monitoring Plan with cost and parameters.
22. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
23. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
24. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
25. Examine the probable displacement/ disturbance of human/wild animal/birds settlement/migration due to impact of proposed project and suggest the suitable mitigation measures
26. There should be provision of temporary shelters for workers with provision of potable drinking water, toilet facility separate for men and women to prevent and stop open defecation at project site.
27. Any further clarification on carrying out the above studies including anticipated impacts due to the project and mitigative measure, project proponent can refer to the model ToR available on Ministry website "<http://moef.nic.in/Manual/Townships>".

2. Group Housing at Plot No 3, SP-03, Sector-3, Siddharth Vihar, Ghaziabad, U.P., M/s T and T Infra Developers Pvt. Ltd. File No. 6640/Proposal No. SIA/UP/MIS/232844/2021

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

1. The environmental clearance is sought for Group Housing at Plot No 3, SP-03, Sector-3, Siddharth Vihar, Ghaziabad, U.P., M/s T and T Infra Developers Pvt. Ltd.
2. Total number of dwelling units will be 384 and 78 EWS/LIG flats.
3. Salient features of the project:

1.	Plot Area	14,670.00 m ²
2.	Built-up Area	95,768.62 m ²
3.	Green Area	2,200.50 m ² (@15% of total plot area)
4.	Estimated Water Requirement with source Construction Phase Operational Phase	1409KL near by CSTP Total Water requirement:- 227 KLD Freshwater=150 KLD through Municipal Supply Recycled water = 120 KLD (In-House STP)
5.	Estimated wastewater generation and treatment	184 KLD (STP with capacity of 220 KLD based on MBBR)
6.	Power Demand and Source Power Back-up	Total Power Requirement : 3117 kVA 2 no. of DG set of total capacity 1200 kVA (2x 600 kVA)

7.	Solid Waste Generation	1256kg/day
8.	Parking Facilities Required- a) Scooter Parking b) Car Parking	a) Scooter Parking : 39Two wheeler b) Car Parking : 705 ECS
9.	RWH Pits	3 pits
10.	Maximum Building Height	106.85
11.	Project Cost	116.60 Crore
12.	Project Completion Date	December, 2025

4. Area details of the project:

S. No.	DESCRIPTION	Area (m ²)
1	Total Plot Area	14,670.00
2	Permissible Ground Coverage @ 35% plot area	5,134.50
3	Proposed Ground Coverage (@20.43% plot area)	2,997.39
	a) Residential =	
	b) Commercial =	
4	Total Permissible FAR	46,153.11
	a) Permissible FAR for Group Housing @2.5 = 36675	
	b) compensatory FAR area for EWS & LIG = 5810.609	
	c) Additional FAR area of green Building @5% =1833.75	
	d) Permissible 5%for facility of F.A.R Area = 1833.75	
5	Total Achieved FAR	46,149.78
	a) Residential FAR = 43736.75	
	b) Proposed Commercial FAR = 211.37	
	c) Community FAR AREA = 974.766	
	d) 5% Facility FAR AREA = 1226.89	
6	Non FAR Area	43725.466
	a) Residential Non Far Area = 8788.127	
	b) Basement Area = 34336.38	
	c) Services Area(ESS, guard room area, UGT, STP) = 600.959	
7	EWS/LIG area free from FAR	5893.373
8	Total Built- up Area(6+7+8+)	95,768.62
9	Total Proposed Green Area (15% of net plot area)	2,200.50
10	Maximum height of the building(Upto mummy)	106.85

5. Water requirement details:

S. No.	Description	Occupancy	Rate of Water Demand (lpcd)	Total Water Requirement (KLD)
A	Domestic Water Requirement			214 KLD
1.	Residential Population			
	EWS & LIG Flats	390	86	33.54
	Maintenance Staff	20	30	0.6
	Visitors	39	15	0.585
2.	Normal Flats	1920	86	165.12
	Maintenance Staff	96	30	2.88
	Visitors	192	15	2.88
3.	Commercial 3			
	Staff	7	30	0.21
	Visitors	63	15	0.945
4.	Community			
	Staff	16	30	4.8
	Visitors	146	15	2.19
Total Domestic Water Demand				213.75 Say 214 KLD

B	Horticulture	2,200.50	6 l/m ² /day	13
Total Water Requirement (A + B+)				227 KLD

6. Waste water details:

Domestic Water Requirement	214 KLD
Total Fresh Water (70% of domestic water required)	149.8 say 150 KLD
Flushing Water (30% of domestic water required)	64.2 say 64 KLD
Waste Water (80% Potable + 100% flushing)	120+64 = 184 KLD
STP Capacity (20% higher from wastewater)	220 KLD

7. Solid waste generation details:

S. No.	Description	Occupancy	Kg per capita per day	Waste Generated (kg/day)
A	Domestic Waste			
1.	Residential Population			
	EWS & LIG Flats Residents	390	@0.5	195
	Maintenance Staff	20	@0.25	5
	Visitors	39	@0.15	5.85
2.	Normal Flats	1920	@0.5	960
	Maintenance Staff	96	@0.25	24
	Visitors	192	@0.15	29
3.	Commercial Area			
	Staff	7	@0.25	1.8
	Visitors	63	@0.15	9.45
	Community			
	Staff	16	@0.25	4
	Visitors	146	@0.15	21.9
B	Landscape Waste	0.22	0.2 Kg/acre/day	0.044
Total Solid Waste Generated				1256.044 Say 1256

8. Parking details:

S.No.	Parking Type	Area	Area per ECS	Total parking Provided (ECS)
1.	Open Area	1449	23	63
a)	1 st basement	6848	32	214
b)	2 nd basement	6848	32	214
c)	3 rd basement	6848	32	214
	Total parking Proposed			705

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

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:

1. Project proponent shall require the permission from the Airport Authority (NOC).
2. Proponent shall provide the dual pipeline network in the project for utilization of treated water (STP) for different purposes and also provide the monitoring mechanism for the same.
3. The Project proponent is required to take permission in case of discharging/utilizing treated water (STP) outside the premises. The permission shall be obtained from Ghaziabad Development Authority/Awas Vikas Department Ghaziabad.

4. 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 lightening 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.

5. 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. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
5. 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, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

6. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
 7. Wet jet shall be provided for grinding and stone cutting.
 8. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
 9. 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.
 10. 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.
 11. 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. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
 12. For indoor air quality the ventilation provisions as per National Building Code of India.
6. 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 a 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.
7. 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.
8. 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.
9. 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 25th 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.
10. 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.

11. 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.

12. 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.
13. 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.
14. 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. **Khanda- Boulder / Gitty- Ballast and Red Morrum Mine at Arazi No. 2456 Kha (Khand 03), Village- Pahra, Tehsil- Sadar, Mahoba., Shri Mayank Gupta, M/S Jagdeesh and Company Area-4.0 ha. File No. 6645/Proposal No. SIA/UP/MIN/235508/2021**

RESOLUTION AGAINST AGENDA NO-03

The project proponent through letter dated 29/11/2021 requested to defer the matter in the coming SEAC-2 meeting. The committee discussed the matter and directed to defer the matter as per the request made by the project proponent. The file shall not be treated as pending at SEAC-2. The matter will be discussed only after the submission of the online request on the prescribed online portal.

4. **Stone Mining at Arazi No. 1093 Kha Village- Makarbai, Tehsil- Sadar Mahoba., Shri Beependra Singh, Area: 2.63 ha. File No. 6646/Proposal No. SIA/UP/MIN/68658/2021**

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

1. The terms of reference is sought for Makarbai Building Stone or Khanda, Boulder, Ballast (Gitty) Mine at Arazi No. 1093 Kha Area 2.63 ha in Village- Makarbai, Tehsil- Sadar, District- Mahoba, U.P., (Leased Area 2.63 ha).

2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/68658/2021		
2. File No. allotted by SEIAA, UP	6645		
3. Name of Proponent	Prop: Shri Beependra Singh S/o Shri Kamlesh Singh		
4. Full correspondence address of proponent and mobile No.	R/o Village- Raipura Khurd, Tehsil and District- Mahoba (U.P.)		
	Mobile No-		
	Email-		
5. Name of Project	Makarbai Building Stone or Khanda, Boulder, Ballast (Gitty) Mining project		
6. Project location (Plot/Khasra/Gata No.)	Arazi No. 1093 Kha		
7. Name of River	-		
8. Name of Village	Makarbai		
9. Tehsil	Sadar		
10. District	Mahoba		
11. Name of Minor Mineral	Building Stone or Khanda, Boulder, Ballast (Gitty)		
12. Sanctioned Lease Area (in Ha.)	2.63 ha		
13. Max & Min mRL within lease area	Max- 192.0 mRL & 174.0 mRL		
14. Pillar Coordinates (Verified by DMO)	Sanctioned Mining Lease Area		
	Pillar No.	Latitude	Longitude
	A	25°20'33.90"N	79°59'47.91"E
	B	25°20'33.09"N	79°59'50.23"E
	C	25°20'29.82"N	79°59'51.54"E
	D	25°20'26.34"N	79°59'50.14"E
	E	25°20'26.87"N	79°59'47.75"E
	F	25°20'28.47"N	79°59'45.52"E
	G	25°20'32.74"N	79°59'46.20"E
15. Total Geological Reserves	12,74,937 Cum		
16. Total Mineable Reserves in LOI	76,928 Cum/year		
17. Total Proposed Production	76,928 Cum/year		
18. Proposed Production/year	76,928 cum		
19. Sanctioned Period of Mine lease	Maximum 20 years		
20. Production of mine/day	295.87		
21. Method of Mining	Open Cast Semi-mechanized Method		
22. No. of working days	260 days		
23. Working hours/day	8 hrs		
24. No. of workers	52		
25. No. of vehicles movement/day	6		
26. Type of Land	Government waste land		
27. Ultimate Depth of Mining	42		
28. Nearest metalled road from site	0.8 km		
29. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking	0.52	
	For toilets	0.52	
	Suppression of dust	2.80	
	Plantation	5.30	
	Others (if any)	-	
	Total	9.14	
30. Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt. Ltd. 1922, validity= 03-02-2022		
31. Any litigation pending against the project or land in any court	No		
32. 36. Details of 500 m Cluster Map &	Yes, certified		

certificate issued by Mining Officer	
33. Details of Lease Area in approved DSR	Yes, given in the DSR
34. Proposed CER cost	Rs 2,27,000/-
35. Proposed EMP cost	Capital Cost-Rs 31,56,000/- Recurring Cost- 4,08,000/-
36. Length and breadth of Haul Road	Length: 231 km, width: 6 m
37. No. of Trees to be Planted	2630 plants

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

RESOLUTION AGAINST AGENDA NO. 04

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

Additional TOR:

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

5. Institutional Building “Eye of Noida (EON)” at Plot No. 01A, sector- 140 A ,Noida, District-Gautam Budh Nagar,U.P, Shri Rajiv Kumar, M/s FAIRFOX ITINFRA PVT. LTD. File No. 6651/Proposal No. SIA/UP/MIS/235724/2021

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

1. The environmental clearance is sought for Institutional Building “Eye of Noida (EON)” at Plot No. 01A, sector- 140 A ,Noida, District-Gautam Budh Nagar,U.P, Shri Rajiv Kumar, M/s Fairfax Itinfra Pvt. Ltd.
2. Salient features of the project:

S.No.	Description	Proposed
1.	Plot Area	55247.50m ²
2.	Built-up Area	1,13,330.552m ²
3.	Green Area	5853.27m ² (10.59% of the plot area)

4.	Water Requirement Construction Phase Operational Phase	139KLD(STP treated nearby CSTP) 159KLD(Municipal Supply)
5.	Fresh Water Requirement	48 KLD
6.	Wastewater Generation	149KLD
7.	Capacity of STP	180KLD
8.	Solid Waste Generation	1341kg/day
9.	Parking Facilities Required Total Parking required Total parking proposed	1118ECS 1950 ECS
10.	Power Demand & Source	4680KW, (UPPCL)
11.	Back up	4 No. of D.G Sets of total Capacity 6000 kVA (4 × 1500 kVA)
12.	RWH Pits	2pits
13.	Project Cost	360.00 crore
14.	Expected Date of Completion	5 Years after the grant of EC

3. Area details of the project:

S. No.	Particulars	Area(m ²)
1.	Total Plot Area (Phase-I & Phase-II)	55247.50
2.	Permissible Ground Coverage (@ 30% of Plot Area) (Phase-I & Phase-II)	16574.250
3.	Proposed Ground Coverage (@ 29.71% of Plot Area) (Phase-I & Phase-II)	16,414.03
4.	Permissible F.A.R. @ 3.0 (Phase-I & Phase-II)	165742.50
5.	Permissible services area @15% on FAR 3.0 (Phase-I & Phase-II)	24861.375
6.	Proposed Ground coverage for (Tower-A) Phase-I	4157.817
7.	Proposed FAR AREA for (Tower-A) Phase-I	55876.638
6.	Total Non F.A.R Area Basement = 49768.873 Service area = 7685.041	57453.914
7.	Total Built- Up Area (6+7) (Tower-A) Phase-I	1,13,330.552
8.	Landscape Area Required @(50% of open area)	19336.63
9.	Landscape Area Proposed @ (10.59% of plot area for phase-I)	5853.27
10.	Maximum Height of the Building	95.01

4. Water requirement details:

S. No.	Description	Occupancy	Rate of water demand (lpcd)	Total Water Requirement(KLD)
A.	DOMESTIC WATER			
a)	Staff (@90%)	5029	@ 30	150.87
b)	Visitor (@10%)	559	@ 15	8.38
TOTAL DOMESTIC WATER DEMAND				159.25KLD say 159 KLD
B.	HORTICULTURE	5853.27m ²	4 lt/sqm/day	23
C	HVAC COOLING (12 Hours)	1653 TR	7lit/TR/hr	139
GRAND TOTAL				321KLD

5. Waste water details:

Domestic Water Requirement	159 KLD
Total Fresh Water Requirement (@ 30 % of domestic)	48 KLD
Flushing (@ 70 % of domestic)	111 KLD
Wastewater Generated (@ 80% fresh water + 100% flushing)	38 + 111 =149KLD
STP capacity (20% higher from wastewater)	180 KLD

6. Solid waste details:

S. No.	Category	kg per capita per day	Waste generated (kg/day)
1.	Domestic Waste		
(a)	Staffs	5029@ 0.25 kg/day	1257.25
(b)	Visitors	559@ 0.15 kg/day	83.85

2.	Landscape waste	1.44acres @ 0.2 kg/acre/day	0.288
	TOTAL SOLID WASTE GENERATED		1341.388kg/day say 1341 kg/day

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

RESOLUTION AGAINST AGENDA NO. 05

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

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 lightening 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 andPM25) covering upwind and downwind directions during the construction period.
4. Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG

sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.

5. 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.
 6. Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
 7. Wet jet shall be provided for grinding and stone cutting.
 8. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
 9. 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.
 10. 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.
 11. 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. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
 12. 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 a 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 25th 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 MoEF&CC/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.

6. Establishment of Formaldehyde manufacturing unit 39600 MT/Annum (120.0 MT/Day) at Plot No: 41, Bhojipura Industrial Area, Bareilly, Shri Shyam Agarwal, M/s Bhagwati Udyog. File No. 6653/Proposal No. SIA/UP/IND3/68622/2021

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

1. The environmental clearance is sought for Establishment of Formaldehyde manufacturing unit 39600 MT/Annum (120.0 MT/Day) at Plot No: 41, Bhojipura Industrial Area, Bareilly, U.P., M/s Bhagwati Udyog.

2. Standard terms of reference in matter were issued through online parivesh portal on 12/07/2021.
EIA report submitted by project proponent on 27/10/2021.

3. Salient features of the project:

Sr. No.	Attributes	Details of project
1.	Proposed capacity of Plant	Product : Formaldehyde Capacity : 120 MT/Day (39600 MT/Annum)
2.	Total project area	2855 sqm (0.286 Ha)
3.	Total project cost	445.00 Lakhs
4.	No of working days	330 Days
5.	Raw material and its Quantity	Methanol : 53.4 MT/Day Salt (NaCl) : 60 kg/Day Silver (as catalyst)
6.	Fuel Requirement	Diesel : 80 Litre /hr (For DG Set, Boiler)
7.	Water Requirement	Industrial Use: 260 KLD Domestic Use: 10 KLD Total Water Requirement: 270 KLD
8.	Man Power Requirement	Unskilled-32 Semi- Killed-10 Skilled- 08 Total- 50 Nos
9.	Power Requirement	Total Connected Load : 280 KVA Total Operating Load : 225 KVA
10.	Source of water	Ground water
11.	Waste Water Generation	No waste water generated from the process. RO reject and Softener plant reject will be utilized in Cooling Tower.
12.	Domestic Water Requirement	Water requirement : 10.0 KLD Domestic Waste Water : 4.0 KLD Treatment : Waste water will be disposed through Septic and Soak pit.
13.	Source of Air Pollution and fuel	Capacity of boiler : 1500 kg/hr Quantity of fuel : 80 Litre/hr Type of fuel : Diesel (LDO/HSD)
14.	Air Pollution Control Equipment	All major sources of Air pollution will be provided with Wet Scrubber to maintain PM emissions below permissible limits (i.e. < 800 mg/Nm ³). Stack height : 30 meters

4. Land use details:

Sr No	Land use	Area (sqm)	Area in %
1	Roof Top	599.55	21.0
2	Green Belt	942.15	33.0
3	Road and paved	254.09	8.9
4	Open area	1059.20	37.1
	Total Plot Area	2855.00	100

5. Raw material details:

Sr.No.	Particular	Total Requirement for proposed capacity	Storage Provide	Source & Mode of Transportation
1	Methanol (99.85%)	53.4 TPD $\pm$ 1% $\leq$ 445 kg per tonne of Formaldehyde 37% (17622 MT/Annum)	30 Days	Nearby Market Area/ By road
CHEMICALS				
2	Salt (NaCl)	60 Kg/Day	15 Days	Nearby market / By road
3	Sliver as catalyst	As per requirement	15 days	Nearby Market / by road.

6. Water requirement details:

Use	Water Consumption per Day in KLD	Loss/waste – water generation in KLD
Domestic Use		
Drinking Waste	10.0	4.0
Industrial use		
Process	98.0	0.0
Cooling	162.0	116
Grand Total	270 KLD	116 KLD

7. Solid waste generation details:

1. DOMESTIC SOLID WASTE				
Category	Type of Waste	Color of Bins	Disposal Method	Total Waste (Kg/day)
Bio Degradable	Organic Waste	Green	Vermi-composting site within the project site	3.0
Non-Biodegradable	Recyclable Waste	Blue	Authorized Recycler	2.5
Non-Biodegradable	Inert Waste	Black	Nearby Landfill Site	2.0
	Total			7.5 Kg/day

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

RESOLUTION AGAINST AGENDA NO. 06

The committee discussed the matter and recommended grant of environmental clearance on the proposal as above alongwith following conditions:

1. Explore the possibilities of use of various by-products.
2. Development of spectrophotometric method for detection of formaldehyde in air and HPLC method for detection of formaldehyde in water.
3. Disaster management in case of spillage of chemicals.
4. Statutory compliance:
 - i. The project proponent should obtain necessary permission from Drug Controller, Govt. of India, within time frame.
 - ii. 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.
 - iii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
 - iv. 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 species in the study area).
 - v. 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.
 - vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
 - vii. 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.
5. 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 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised 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 recognised under Environment (Protection) Act, 1986.

- iii. 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 PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x 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.
- iv. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and /or the NAAQS. 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.
- v. Storage of raw materials, coal etc, shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
- vii. 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.
6. Water quality monitoring and preservation:
 - i. The project proponent shall provide 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)
 - ii. As already committed by the project proponent, 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).
 - iii. 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.
 - iv. 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.
 - v. 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.
 - vi. 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.
 - vii. 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.
7. Noise monitoring and prevention:
 - i. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
 - ii. 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.
 - iii. 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.
8. Energy Conservation measures:
 - i. The energy sources for lighting purposes shall preferably be LED based.
9. Waste management:
 - i. 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.
 - ii. 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.
 - iii. The company shall undertake waste minimization measures as below:-
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.

- c. Use of automated filling to minimize spillage.
 - d. Use of Close Feed system into batch reactors.
 - e. Venting equipment through vapour recovery system.
 - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation
10. Green Belt:
- i. The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.
11. Safety, 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 unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
 - iii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
 - iv. 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.
 - v. 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.
 - vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
 - vii. 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.
12. 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 / 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.
 - 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 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.
13. Miscellaneous:
- i. Environment Clearance subjected to condition of necessary permission from Drug Controller and Department of Industry.
 - ii. Monitoring of dioxin and furon from biomass fueled boiler should be done.
 - iii. Agreement with TSDF vendors shall be submitted.
 - iv. 100% waste water is to be treated in ETP conforming to prescribed standards of receiving body for designated use.
 - v. 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.

- vi. 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.
- vii. 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.
- viii. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (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.
- ix. 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.
- x. 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.
- xi. 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.
- xii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- xiii. 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.
- xiv. 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).
- xv. 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.
- xvi. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xvii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xviii. 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.
- xix. 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.
- xx. 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.

7. Stone Mining at Arajji No./ Gata No.-519, Village- Ghasipur, Tehsil- Chunar, Mirzapur., M/s Divyansh Enterprises, Area -2.02 ha. File No. 6222/Proposal No. SIA/UP/MIN/61498/2021

The committee noted that the matter was earlier discussed in 553rd SEAC meeting dated 29/07/2021 and directed the project proponent to submit following information:

1. Singrauli Action Plan (CEPI) as defined by CPCB which includes the area of Uttar Pradesh and Madhya Pradesh. The committee directed the Project proponent to submit the status of proposed site with reference to aforesaid Singrauli Action Plan (CEPI) along with certified map with geo-coordinates from the competent authority.

The project proponent submitted their replies vide letter dated 06/10/2021. A presentation was made by the project proponent along with their consultant M/s Globus environment engineering services. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The terms of reference is sought for Building Stone (Sandstone) Mining at Araj/Gata no.- 519, Village-Ghasipur, Tehsil-Chunar, District-Mirzapur, U.P., developed by M/s Divyansh Enterprises, (Leased Area-2.02 ha.)
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	6222															
2.	File No. allotted by SEIAA, UP	SIA/UP/MIN/61498/2021															
3.	Name of Proponent	M/s Divyansh Enterprises Proponent- Shri Manish Kumar															
4.	Full correspondence address of proponent and mobile no.	M/s Divyansh Enterprises R/o Ward no. 23, Near Main Market, Ahraura, Tehsil- Chunar, Mirzapur. Mobile no.- E-mail Id- manish541818@gmail.com															
5.	Name of Project	Building Stone (Sandstone) Mining Village –Ghasipur, Tehsil- Chunar, District– Mirzapur, Uttar Pradesh															
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. – 519, Village –Ghasipur, Tehsil-Chunar, District–Mirzapur, Uttar Pradesh															
7.	Name of River	NA															
8.	Name of Village	Ghasipur															
9.	Tehsil	Chunar															
10.	District	Mirzapur															
11.	Name of Minor Mineral	Building Stone(Sandstone) Mining															
12.	Sanctioned Lease Area (in Ha.)	2.02 ha.															
13.	Max. & Min mRL within lease area	Highest mRL is 112.6 SE & Lowest Is 105mRL NW															
14.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th>Pillar No.</th><th>N</th><th>E</th></tr> </thead> <tbody> <tr> <td>A</td><td>25° 04'05.9"N</td><td>82°59'45.4"E</td></tr> <tr> <td>B</td><td>25° 04'05.7"N</td><td>82°59'48.5"E</td></tr> <tr> <td>C</td><td>25° 03'59.5"N</td><td>82°59'49.7"E</td></tr> <tr> <td>D</td><td>25° 03'59.7"N</td><td>82°59'45.5"E</td></tr> </tbody> </table>	Pillar No.	N	E	A	25° 04'05.9"N	82°59'45.4"E	B	25° 04'05.7"N	82°59'48.5"E	C	25° 03'59.5"N	82°59'49.7"E	D	25° 03'59.7"N	82°59'45.5"E
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C	25° 03'59.5"N	82°59'49.7"E															
D	25° 03'59.7"N	82°59'45.5"E															
15.	Total Geological Reserves	1512375 m ³															
16.	Total Mineable Reserve (as per Approved Mine Plan)	582210 m ³															
17.	Total Proposed Production	60600 m ³ /year															
18.	Proposed Production /year	60600 m ³ /year															
19.	Sanctioned Period of Mine lease	2.02 ha.															
20.	Production of mine/day	220 m ³ /day															
21.	Method of Mining	Opencast, Semi-Mechanized															
22.	No. of working days	275															
23.	Working hours/day	8															
24.	No. of worker	21															
25.	No. of vehicles movement/day	17															
26.	Type of Land	Revenue land															
27.	Ultimate of Depth of Mining	70mRL															
28.	Nearest metalled road from site	610m															

29.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking	0.63 KLD
		Suppression of dust	2.44 KLD
		Plantation	0.4 KLD
		Others (if any)	-
		Total	3.47 KLD
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Globus environment engineering services SL. NO. 85, VALID TILL 03/04/2021	
31.	Any litigation pending against the project or land in any court	No	
32.	Details of 500 m Cluster Certificate verified by Mining Officer	vide letter no. 1398/khanij/sl no./2020	
33.	Details of Lease Area in approved DSR	2.02 ha.	
34.	Proposed CER cost	-	
35.	Proposed EMP cost	Total project cost-1.1 Cr	
36.	Length and breadth of Haul Road	610m & 6m	
37.	No. of Trees to be Planted	200	

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

RESOLUTION AGAINST AGENDA NO. 07

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

Additional TOR:

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

8. Sand/Morrum Mining from Rihand Riverbed at Gata No.-246, Khand No.-da, Village-Khebandha, Tehsil-Obrai, Sonbhadra, U.P., Area-6.00 Ha. File No. 6376/Proposal No. SIA/UP/MIN/64042/2021

The committee noted that the matter was earlier discussed in 553rd SEAC meeting dated 29/07/2021 and directed the project proponent to submit following information:

1. Singrauli Action Plan (CEPI) as defined by CPCB which includes the area of Uttar Pradesh and Madhya Pradesh. The committee directed the Project proponent to submit the status of proposed site with reference to aforesaid Singrauli Action Plan (CEPI) along with certified map with geo-coordinates from the competent authority.

The project proponent submitted their replies vide letter dated 06/10/2021. A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The terms of reference is sought for Morrum Mining Project on Rihand river R.K Transport & Construction Ltd. at Khand No: Da Araji No': 246, Village- Khebandha, Tehsil-Obra, District- Sonbhadra (U.P). Area- 6.00 Ha.
2. Salient features of the project as submitted by the project proponent:

1.	On Line Proposal No.	SIA/UP/MIN/64042/2021																																							
2.	File No. allotted by SEIAA, UP	6376																																							
3.	Name of Proponent	Shri. Sushil Kumar Singhal																																							
4.	Full correspondence address of proponent and mobile no.	Shri Sushil Kumar Singhal R/O- HIG-07 Sec-02 Shankar Nagar, Beside Madan Complex Raipur, Chattisgarh 492007																																							
5.	Name of Project	Morrum Mining Project on Rihand river R.K Transport & Construction Ltd. at Khand No:Da Araji No': 246, Village- Khebandha, Tehsil-Obra, District- Sonbhadra (U.P). Area- 6.00 Ha Shri Sushil Kumar Singhal																																							
6.	Project Location(Plot.Khsra/Gata/Araji No.)	Khand Da Araji No'.-246																																							
7.	Name of Village	Khebandha																																							
8.	Tehsil	Obra																																							
9.	District	Sonbhadra																																							
10.	Name of Minor Mineral	Morrum Mining																																							
11.	Name Of River	Rihand																																							
12.	Sanctioned Lease Area (in Ha.)	6.00 Ha.																																							
13.	Max. & Min mRL within lease area	165.00 mRL & 160.00 mRL																																							
14.	Pillar Coordinates (Verified by DMO)	<table border="1"> <thead> <tr> <th>Point</th><th>Latitude</th><th>Longitude</th></tr> </thead> <tbody> <tr> <td>A</td><td>24°31'7.36"N</td><td>82°58'43.10"E</td></tr> <tr> <td>B</td><td>24°31'7.05"N</td><td>82°58'47.19"E</td></tr> <tr> <td>C</td><td>24°30'51.97"N</td><td>82°58'40.16"E</td></tr> <tr> <td>D</td><td>24°30'52.69"N</td><td>82°58'35.46"E</td></tr> <tr> <td colspan="3">Total Lease Workable Area</td></tr> <tr> <td>A</td><td>24°31'7.36"N</td><td>82°58'43.10"E</td></tr> <tr> <td>B</td><td>24°31'7.05"N</td><td>82°58'47.19"E</td></tr> <tr> <td>B'</td><td>24°30'56.72"N</td><td>82°58'42.44"E</td></tr> <tr> <td>D</td><td>24°30'52.69"N</td><td>82°58'35.46"E</td></tr> <tr> <td colspan="3">Water Submerged Area</td></tr> <tr> <td>C'</td><td>24°30'55.50"N</td><td>82°58'41.86"E</td></tr> <tr> <td>C</td><td>24°30'51.97"N</td><td>82°58'40.16"E</td></tr> </tbody> </table>	Point	Latitude	Longitude	A	24°31'7.36"N	82°58'43.10"E	B	24°31'7.05"N	82°58'47.19"E	C	24°30'51.97"N	82°58'40.16"E	D	24°30'52.69"N	82°58'35.46"E	Total Lease Workable Area			A	24°31'7.36"N	82°58'43.10"E	B	24°31'7.05"N	82°58'47.19"E	B'	24°30'56.72"N	82°58'42.44"E	D	24°30'52.69"N	82°58'35.46"E	Water Submerged Area			C'	24°30'55.50"N	82°58'41.86"E	C	24°30'51.97"N	82°58'40.16"E
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		D'	24°30'52.43"N	82°58'36.90"E	
15.	Total Geological Reserves	2,00,200m ³ /Annum			
16.	Total Mineable Reserve in LOI	90,000 m ³ /Annum			
17.	Total Proposed Production in LOI	90,000 m ³ /Annum			
18.	Total Proposed Production in 5 Years	90000*5=450000 m ³			
19.	Sanctioned Period of Mine lease	5 Years			
20.	Production of mine/day	400 m ³			
21.	Method of Mining	Open cast Manual/ Semi Mechanized Mining			
22.	No. of working days	225 Days			
23.	Working hours/day	8 Hours			
24.	No. of worker	30 Workers			
25.	No. of vehicles movement/day	44 Trucks / Day (Depending on market demand)			
26.	Type of Land	Govt. Land			
27.	Ultimate of Depth of Mining	2.25 m			
28.	Nearest metalled road from site	1.20Km			
29.	Water Requirement	PURPOSE	REQUIREMENT (KLD)		
		Drinking	0.30 KLD		
		Suppression of dust	12.00 KLD		
		Plantation	2.372 KLD		
		Others (if any)			
		Total	14.672 KLD (Approx. 15.00 KLD)		
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	Ind Tech House Consult QCI No.- 85 Period of Validity- 27-10-2021			
31.	Any litigation pending against the project or land in any court	No			
32.	Details of 500 m Cluster Map & Certificate verified by Mining Officer	Letter No-981/Khanij/2021 Date-22.3.2021			
33.	Details of Lease Area in approved DSR	Page No -24 Sr. No'-1 Shuddhi Patra vide Letter No'- 2040/Khanij/2021 dated 12.7.2021 Sr. No'-4			
34.	Proposed CER cost	2% of total project cost i.e. Rs.1.53 Lakhs			
35.	Proposed EMP cost	19.70 Lakhs			
36.	Length and breadth of Haul Road	1000 mt Length & 6m width haulage road			
37.	No. of Trees to be Planted	593 Trees			

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

RESOLUTION AGAINST AGENDA NO. 08

The committee discussed the matter and recommended to issue the standard terms of reference for the preparation of EIA as annexed at Annexure-1 to the minutes.

9. Stone Mining at Araj No.-137, Village- Kanchanpur, Tehsil- Chunar, District- Mirzapur, U.P., Area -0.809 ha. File No. 5159/Proposal No. SIA/UP/MIN/45412/2019

The committee noted that the matter was earlier discussed in 562nd SEAC meeting dated 24/08/2021 and directed the project proponent to submit following information:

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

The project proponent submitted their replies vide letter dated 11/10/2021. A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The Environmental Clearance is sought for Building Stone Sandstone Mining Project at Gata No-137 Village- Kanchanpur , Tehsil-Chunar, Mirzapur. U.P. (Leased Area-0.809 Ha.).
2. The Terms of reference in the matter were issued by SEIAA U.P vide letter no: 312/Parya/SEAC/5159/2019 dated 11 September 2020.
3. The Public Hearing was organized on 08/01/2021. Final EIA submitted by project proponent on 19/06/2021.
4. Salient features of the project as submitted by the project proponent:

7. Salient features of the project as submitted by the project proponent.					
1.	On Line Proposal No.	SIA/UP/MIN/45412/2019			
2.	File No. allotted by SEIAA, UP	5159			
3.	Name of Proponent	Smt. Malti Devi			
4.	Full correspondence address of proponent and mobile no.	R/o Koiran Bazar, Vill- Ahraura,Tehsil-Chunar & Distt-Mirzapur U.P.			
5.	Name of Project	Building Stone Sandstone Mining Project at Gata No-137 Village- Kanchanpur , Tehsil-Chunar, Mirzapur. U.P Smt. Malti Devi, Area- 0.809 Ha			
6.	ProjectLocation (Plot.Khsra/Gata/Araji No.)	Araji No- 137			
7.	Name of Village	Kanchanpur			
8.	Tehsil	Chunar			
9.	District	Mirzapur			
10.	Name of Minor Mineral	Building Stone (Sandstone)			
11.	Sanctioned Lease Area (in Ha.)	0.809 Ha.			
12.	Max. & Min mRL within lease area	116.20 mRL & 108.80 mRL			
13.	Pillar Coordinates (Verified by DMO)	Point	Latitude	Longitude	
		A	25°01'55.716"N	83°02'51.024"E	
		B	25°01'55.71"N	83°02'52.65"E	
		C	25°01'52.068"N	83°02'52.692"E	
		D	25°01'51.798"N	83°02'50.172"E	
14.	Total Geological Reserves	185986 m ³ /Annum			
15.	Total Mineable Reserve in LOI	8090 m ³ /Annum			
16.	Total Proposed Production in LOI	8090 m ³ /Annum			
17.	Total Proposed Production in 20 Years	8090*20= 161800m ³			
18.	Sanctioned Period of Mine lease	20Years			

19.	Production of mine/day	27m ³	
20.	Method of Mining	Open cast Manual/ Semi Mechanized Mining	
21.	No. of working days	300 Days	
22.	Working hours/day	8 Hours	
23.	No. of worker	22 Workers	
24.	No. of vehicles movement/day	3 Trucks / Day (Depending on market demand)	
25.	Type of Land	Govt. Land	
26.	Ultimate of Depth of Mining	12.00 m	
27.	Nearest metalled road from site	1.0Km	
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)
		Drinking	0.22 KLD
		Suppression of dust	9.6 KLD
		Plantation	1.6 KLD
		Others (if any)	
		Total	11.42 KLD (Approx. 12.00 KLD)
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	Ind Tech House Consult QCI No.- 85 Period of Validity- 27-10-2021	
30.	Any litigation pending against the project or land in any court	No	
31.	Details of 500 m Cluster Map & Certificate verified by Mining Officer	Letter No-1051 Date-20.8.2019	
32.	Details of Lease Area in approved DSR	Page No'-12 Sr. No'-53	
33.	Proposed CER cost	2% of total project cost i.e. Rs.1.20 Lakhs	
34.	Proposed EMP cost	14.09 Lakhs	
35.	Length and breadth of Haul Road	800 mt Length & 6m width haulage road	
36.	No. of Trees to be Planted	400 Trees	

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

RESOLUTION AGAINST AGENDA NO. 09

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

- The project proponent shall install solar light in their site office.
- 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.
- Preference should be given to indigenous local species as per the consultation of the local district Forest Officer.
- 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
- 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 3 years 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. Stone Mining at Gata No.-37, Village-Dakhi, Tehsil- Chunar, Mirzapur., M/s Maa Vindhyavasini Traders, Area -1.21 ha. File No. 5168/Proposal No. SIA/UP/MIN/45562/2019

The committee noted that the matter was earlier discussed in 562nd SEAC meeting dated 24/08/2021 and directed the project proponent to submit following information:

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

The project proponent submitted their replies vide letter dated 11/10/2021. A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The Environmental Clearance is sought for Building Stone Sandstone Mining Project at Gata No-37 Village-Dakahi, Tehsil-Chunar, Mirzapur. U.P M/s Maa Vindhyavasini Traders, Area-1.21 Ha
2. The Terms of reference in the matter were issued by SEIAA U.P vide letter no: 317/Parya/SEAC/5168/2019 dated 11 September 2020
3. The Public Hearing was organized on 08/01/2021. Final EIA submitted by project proponent on 18/06/2021.
4. Salient features of the project as submitted by the project proponent:

1.	On Line Proposal No.	SIA/UP/MIN/45562/2019
2.	File No. allotted by SEIAA, UP	5168
3.	Name of Proponent	Shri Kumud Kumar
4.	Full correspondence address of proponent and mobile no.	R/o Koiran Bazar, Vill- Ahraura, Tehsil-Chunar & Distt- Mirzapur U.P.
5.	Name of Project	Building Stone Sandstone Mining Project at Gata No-37

		Village-Dakahi, Tehsil-Chunar, Mirzapur. U.P M/s Maa Vindhyavasini Traders, Area-1.21 Ha Proprietor Shri Kumud Kumar		
6.	Project Location(Plot.Khsra/Gata/Araji No.)	Araji No-37		
7.	Name of Village	Dakahi		
8.	Tehsil	Chunar		
9.	District	Mirzapur		
10.	Name of Minor Mineral	Building Stone (Sandstone)		
11.	Sanctioned Lease Area (in Ha.)	1.21 Ha		
12.	Max. & Min mRL within lease area	119.20 mRL to 108.80 mRL		
13.	Pillar Coordinates (Verified by DMO)	Point	Latitude	Longitude
		A	25°02'13.536"N	83°03'38.082"E
		B	25°02'15.072"N	83°03'41.964"E
		C	25°02'10.26"N	83°03'42.564"E
		D	25°02'09.462"N	83°03'38.754"E
14.	Total Geological Reserves	475561m ³ /Annum		
15.	Total Mineable Reserve in LOI	12100 m ³ /Annum		
16.	Total Proposed Production in LOI	12100 m ³ /Annum		
17.	Total Proposed Production in 20 Years	12100*20=242,000m ³		
18.	Sanctioned Period of Mine lease	20Years		
19.	Production of mine/day	40m ³		
20.	Method of Mining	Open cast Manual/ Semi Mechanized Mining		
21.	No. of working days	300 Days		
22.	Working hours/day	8 Hours		
23.	No. of worker	27 Workers		
24.	No. of vehicles movement/day	4 Trucks / Day (Depending on market demand)		
25.	Type of Land	Govt. Land		
26.	Ultimate of Depth of Mining	18.00 m		
27.	Nearest metalled road from site	0.80Km		
28.	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Drinking	0.27 KLD	
		Suppression of dust	9.6 KLD	
		Plantation	2.40 KLD	
		Others (if any)		
		Total	12.27 KLD (Approx. 13.00 KLD)	
29.	Name of QCI Accredited Consultant with QCI No and period of validity.	Ind Tech House Consult QCI No.- 85 Period of Validity- 27-10-2021		
30.	Any litigation pending against the project or land in any court	No		
31.	Details of 500 m Cluster Map & Certificate verified by Mining Officer	Letter No-1046 Date-22.8.2019		
32.	Details of Lease Area in approved DSR	Page No'-12 Sr. No'-50		
33.	Proposed CER cost	2% of total project cost i.e. Rs.1.25 Lakhs		
34.	Proposed EMP cost	14.52 Lakhs		
35.	Length and breadth of Haul Road	1000 mt Length & 6m width haulage road		

36.	No. of Trees to be Planted	600 Trees
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5. The mining would be restricted to the unsaturated zone only above the phreatic water table and will not intersect the groundwater table at any point in time.
6. The mining operation will not be carried out in the safety zone of any bridge or embankment or eco-fragile zone such as the habitat of any wild fauna.
7. There is no litigation pending in any court regarding this project.
8. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO. 10

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

11. Stone Mining at Gata No.-1097, Khand No.-02, Village-Utiyan, Mahoba., Shri Bhanu Gupta., Area-1.214 ha. File No. 6449/Proposal No. SIA/UP/MIN/61530/2021

The committee noted that the matter was earlier listed 576th SEAC meeting dated 04/10/2021 and the project proponent requested to defer the matter in upcoming SEAC meeting. The committee agreed with the request and directed to defer the matter. The project proponent vide letter dated 12/11/2021 requested to list the matter in next SEAC meeting.

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

1. The terms of reference is sought for Stone Mining at Gata No.-1097, Khand No.-02, Village-Utiyan, Mahoba., (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/61530/2021		
2. File No. allotted by SEIAA, U.P	6449		
3. Name of Proponent	M/s Betwa Pulses And Warehousing Pvt. Ltd. Director - Mr. Bhanu Gupta S/o Mr. Ashok Kumar Gupta		
4. Full correspondence address of proponent and mobile no.	R/o- 50 Gita Colony, Dalbazar Lashkar, Gwalior, (M.P.)		
5. Name of Project	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Arazi No. 1097 (Khand No. – 02),		
7. Name of River	NA		
8. Name of Village	Utiyan		
9. Tehsil	Mahoba		
10. District	Mahoba (U.P.)		
11. Name of Minor Mineral	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
12. Sanctioned Lease Area (in Ha.)	1.214 Ha.		
13. Mineable Area (in Ha.)	1.1308 Ha. (Safety Margin 0.0832 Ha.)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum & Minimum mRL is 164.95 & 149.10 mRL respectively.		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25° 24' 26.20"	79° 56' 13.30"
	B	25° 24' 25.74"	79° 56' 15.09"
	C	25° 24' 18.61"	79° 56' 13.80"
	D	25° 24' 18.35"	79° 56' 12.23"
17. Total Geological Reserves	5,38,231 m ³		
18. Sanction Quantity as per LOI	48,560 m ³ per year as per LOI		
19. Total Proposed Production (in five year)	2,42,800 m ³ in five year		
20. Proposed Production/year	48,560 m ³ per year		
21. Sanctioned Period of Mine lease	10 Years as per LOI		
22. Production of mine/day	194.24 m ³ /day		
23. Method of Mining	Open cast, Semi-Mechanized		
24. No. of working days	250		
25. Working hours/day	8 hours/day		
26. No. Of workers	31		
27. No. Of vehicles movement/day	16-17 Vehicles movement/day		
28. Type of Land	Building Stone(Khanda, Boulder, Ballast (Gitti) Mining Project		
29. Ultimate Depth of Mining	6.0 m		
30. Nearest metalled road from site	NH-76 is about 5.91 km towards South-East direction from the		

	project site.	
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking water	0.41 KLD
	Dust suppression	2.64 KLD
	Plantation	2.429 KLD
	Others (if any)	-
	Total	5.479 KLD
32. Name of QCI Accredited Consultant with QCI No And period of validity.	M/s Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 Dec, 2022	
33. Any litigation pending against the project or land in any court	No	
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 4056/ MMC-30/2020-21 Date- 28/04/2020	
35. Details of Lease Area in approved DSR	Page No- 82 , Sl. No- 21	
36. Proposed EMP cost	23,96,625/-	
37. Proposed Total Project cost	Rs. 2,00,00,000/-	
38. Length and breadth of Haul Road	230 m length and 6.0 m width	
39. No. of Trees to be Planted	1215	

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

RESOLUTION AGAINST AGENDA NO. 11

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

Additional TOR:

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

12. Stone Khanda, Boulders, Ballast (Gitti) Mining at Gata No. 989 (Khand No.- 19), VillageMakarbai, Tehsil & District-Mahoba, Area- 1.619 ha. File No. 6684/Proposal No. SIA/UP/MIN/ 69212/2021

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

1. The terms of reference is sought for Stone Khanda, Boulders, Ballast (Gitti) Mining at Gata No. 989 (Khand No.- 19), VillageMakarbai, Tehsil & District-Mahoba, U.P. (Leased Area- 1.619 ha.).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/69212/2021		
2. File No. allotted by SEIAA, U.P	6684		
3. Name of Proponent	Smt Kiran Kumari W/o Shri Manohar Lal		
4. Full correspondence address of proponent and mobile no.	R/o - 4/248, Sector 4, Vikas Nagar District- Lucknow (U.P.)		
5. Name of Project	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Arazi No. 989 (Khand No. – 19),		
7. Name of River	NA		
8. Name of Village	Makarbai		
9. Tehsil	Sadar		
10. District	Mahoba (U.P.)		
11. Name of Minor Mineral	Building Stone, Khanda, Boulder, Ballast (Gitti) Mining Project		
12. Sanctioned Lease Area (in Ha.)	1.619 Ha.		
13. Mineable Area (in Ha.)	1.4926 Ha. (Safety Margin 0.1264 Ha.)		
14. Zero level mRL	NA		
15. Max. & Min mrl within lease area	Maximum & Minimum mRL is 165 & 159 mRL respectively.		
16. Pillar Coordinates (Verified by DMO)	Pillar	Latitude(N)	Longitude(E)
	A	25°19'56.432"N	79°59'6.732"E
	B	25°19'59.183"N	79°59'10.310"E
	C	25°19'56.849"N	79°59'13.075"E
	D	25°19'54.116"N	79°59'10.082"E
	E	25°19'55.403"N	79°59'7.119"E
17. Total Geological Reserves	4,46,150 m ³		
18. Sanction Quantity as per LOI	60,000 m ³ per year as per LOI		
19. Total Proposed Production (in five year)	3,00,000 m ³ in five year		
20. Proposed Production/year	60,000 m ³ per year		
21. Sanctioned Period of Mine lease	10 Years as per LOI		
22. Production of mine/day	240.0 m ³ /day		
23. Method of Mining	Open cast, Semi-Mechanized		
24. No. of working days	250		
25. Working hours/day	8 hours/day		
26. No. Of workers	28		
27. No. Of vehicles movement/day	16-17 Vehicles movement/day		
28. Type of Land	Building Stone(Khanda, Boulder, Ballast (Gitti) Mining Project		
29. Ultimate Depth of Mining	6.0 m		
30. Nearest metalled road from site	NH-76 is about 3.10 km towards North- West direction from the project site.		

31. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking water	0.38 KLD
	Dust suppression	3.96 KLD
	Plantation	1.619 KLD
	Others (if any)	-
	Total	5.959 KLD Approx.
32. Name of QCI Accredited Consultant with QCI No And period of validity.	Environmental Research and Analysis, Lucknow (U.P) Certificate No. NABET/ EIA/ 1922/RA 0200 Valid up to 30 Dec, 2022	
33. Any litigation pending against the project or land in any court	No	
34. Details of 500 m Cluster Map & certificate issued by Mining Officer	Letter No. 560/ MMC-30/2020-22 on Date- 21/06/2021	
35. Details of Lease Area in approved DSR	Amendment: Letter no:154/M.M.C-30-Khanij(2021-22) on dated 12/05/2021 Sr. No- 66	
36. Proposed EMP cost	Rs.33,15,125/-	
37. Proposed Total Project cost	Rs. 2,00,00,000/-	
38. Length and breadth of Haul Road	330 m length and 6.0 m width	
39. No. of Trees to be Planted	1619	

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

RESOLUTION AGAINST AGENDA NO. 12

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

Additional TOR:

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

13. Stone Mining at Gata No.-989, Khand No.-04, Village-Makarbai, Tehsil -Sadar, Mahoba., Shri Anant Ram Shukla.,Area-0.809 ha. File No. 6445/Proposal No. SIA/UP/MIN/61812/2021

The committee noted that the matter was earlier discussed in 576th SEAC meeting dated 04/10/2021 and directed the project proponent to submit following information:

1. In mining plan approval letter conditions mentioned in sand mining proposal instead of stone mining, it should be revised and submitted.
2. Source of drinking water along with MoU between project proponent and water supplier.
3. Detailed plantation plan with identification of green belt, type and number of plants/trees and their location in consultation with Forest Department should be submitted.
4. Plan for mobile toilet and safe disposal of municipal solid waste.

RESOLUTION AGAINST AGENDA NO. 13

The project proponent submitted their replies vide letter dated 11/10/2021. A presentation was made by the project proponent along with their consultant M/s Environmental Research and Analysis, Lucknow. The committee discussed the matter and opined that the project proponent has submit the photocopy of MoU and other documents and they have failed to produce the original letters of reply submitted before SEAC. Hence, the committee directed the project proponent/consultant to produce the original documents of reply submitted before SEAC.

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

14. Sand Mining from Ghaghra Riverbed at Khand No.-2509 Mi, Village- Tulsipur, Tehsil-Tarabganj, District- Gonda, U.P., M/s Nandini Infrastructur Pvt. Ltd., Area: 38.44 Ha. File No. 4142/Proposal No. SIA/UP/MIN/ 22491/2019

RESOLUTION AGAINST AGENDA NO. 14

The committee noted that the matter was earlier discussed in 506th SEIAA meeting dated 26/10/2021 and directed as follows:

“SEIAA gone through the e-mail of Shri Atulesh dated 22/10/2021 and opined that the above e-mail shall be referred to SEAC-2.”

As per the direction of SEIAA, the E-mail dated 22/10/2021 put up by the Secretariat in SEAC-2 meeting dated 29/11/2021. The committee went through the documents submitted by the project proponent and observed that the District Magistrate, Gonda provided the factual report vide letter dated 28/02/2020 and they have informed is as follows:

“प्रस्तावित खनन स्थल नदी तल पर स्थित है। उक्त स्थल तक आवागमन हेतु कोई मार्ग निर्मित नहीं है और न ही प्रस्तावित है। आवागमन हेतु स्थानीय किसानों की कृषि योग्य भूमि से पट्टेदार को मार्ग निर्माण करना पड़ेगा, जिसके लिए किसानों की सहमति आवश्यक है तथा जन सुनवाई में प्रस्तावक द्वारा मुआवजा देकर स्थानीय किसानों की सहमति से मार्ग बनाने हेतु कहा गया है। कार्यालय जिलाधिकारी, गोण्डा के पत्रांक-151/खनन अनुभाग/विज्ञप्ति सूचना/बालू/मौरम/2017, दिनांक 07-12-2017 द्वारा शासनादेश संख्या-1875/86-2017-57(सा0)/2017 टी0सी0-1, दिनांक 14-08-2017 में दिये

गये निर्देशानुसार ई-निविदा सह ई-नीलामी के माध्यम से उत्तर प्रदेश उपखनिज (परिहार) नियमावली-19 के अध्याय-4 के अंतर्गत उपर्युक्त खनन क्षेत्र के लिए निविदा आमंत्रित की गयी थी। निविदा के नियम/शर्तों (बिन्दु-23(1) में "ई-निविदा सह ई-नीलामी में भाग लेने से पूर्व क्षेत्र में आंकलित उपखनिज की मात्रा एवं खनन स्थल के लिए पहुंच मार्ग आदि के सम्बन्ध में मौके का निरीक्षण कर बिडर स्वयं आश्वस्त हो लें। ई-निविदा सह ई-नीलामी में भाग लेने के पश्चात् इस संबंध में किसी भी प्रकार का आवदेन स्वीकार नहीं किया जायेगा"।

In view of above, the committee discussed the matter and opined that the project proponent has failed to produce right of path (consent/agreement) from farmers for proposed haulage road for the transportation of minerals. Hence, the committee directed the Secretariat to send a letter to Department of Geology and Mining, U.P. for the information and necessary action. The file shall not be treated as pending at SEIAA/SEAC.

Nodal, SEAC-2

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

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

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

(Tanzar Ullah Khan)
Member, SEAC-2

(Prof. Jaswant Singh)
Member, SEAC-2

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

Annexure-1

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

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

- 13) Status of forestry clearance for the broken up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 14) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 15) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.
- 16) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 17) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/ Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 18) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled- I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 19) Proximity to Areas declared as 'Critically Polluted' or the Project areas likely to come under the 'Aravali Range', (attracting court restrictions for mining operations), should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Department should be secured and furnished to the effect that the proposed mining activities could be considered.
- 20) 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.

Annexure-2

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

A. General Conditions:

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under 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, SO₂, NO_x 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, SO₂, NO_x) 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 1st June and 1st December of each calendar year.
23. The SEIAA may alter/modify the above conditions or stipulate any further condition in the interest of 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. 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.