

Minutes of 525th SEAC Meeting Dated 19/02/2021

The 525th meeting of SEAC was held through video in view of the Corona Virus Disease (Covid-19) on 19/02/2021. Following members were participated in the online meeting:

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

The Chairman welcomed the members to the 525th SEAC meeting which was conducted online. The SEAC unanimously took following decisions on the agenda points discussed:

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

RESOLUTION AGAINST AGENDA NO-01

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

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

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

2. Amendment in Environmental Clearance for “Recreational Entertainment park” at Plot No-REP-1, Sector-27, Greater Noida. M/s A R Landcraft LLP. File No. 2999

The committee noted that the Environmental Clearance for the above project was earlier issued by SEIAA, U.P. vide letter no. 1937/Parya/SEAC/2999/2015/OSD(T) dated 15.01.2016 for plot area of 403575.0 m² (99.725 acres) and built-up area of 684001.44 m². Later an amendment in EC granted on 15th May 2018 by MoEF vide letter no. 21-250/2017-IA-III with built up area 489416.00 m² in the name of M/s AR Landcraft LLP.

The project proponent vide letter dated 20/01/2021 informed that due to change in design of building the total plot area and Built up of the project will remain the same but with a slight change in configuration of tower w.r.t. to no. of floors and no. of Dwelling units and no. of villas etc the amendment is required for the project. Hence, they applied for amendment in environmental clearance letter dated 15/05/2018.

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 Environmental clearance is sought for “Amendment in Environmental Clearance for Recreational Entertainment Park” developed by M/s AR Landcraft LLP at located Plot No-REP-1, Sector-27, Greater Noida Uttar Pradesh.
2. Area details of the project:

Details/Description	Unit	As per EC granted on 15.05.2018	As per amendment	Impact
Cost of the project	Rs in Crore	1050	1050	No impact
Plot Area	m ²	403575	403575	No impact
GROUND COVERAGE				
Ground Coverage Permissible	m ²	80715.00	80715.00	No impact
Ground Coverage Proposed	m ²	80706.000	80627.25	Decrease
F.A.R AREA				
F.A.R permissible	m ²	321370.581	321370.581	No Impact
F.A.R Proposed	m ²	313581.8	318226.194	Increase
NON F.A.R Area				
Non FAR Stilt	m ²	-	18434.378	Increase
Total Non FAR Area (Podium+Balcony+Other Non FAR Area) -C	m ²	86597.93	63519.158	Decrease
SERVICE AREA				
Service Area(15% Service FAR)	m ²	-	43168	Increase
BASEMENT AREA				
Total Basement Area	m ²	89236.27	89236.27	No Impact
Built-up Area	m ²	489416.0	489416.0	No Impact
Green Area	m ²	162908	162908	No Impact
Surface parking area	m ²	61200	58196.19	Decrease
Road Area & Open Area including surface parking	m ²	98761	101843.6	Increase
No. of Floors	No.	B+ST+36	LG+UG+31	Decrease
No. of Towers	No.	13 Residential Tower + 805 villa	11 Residential Tower + 676 villa	Decrease
Height of building	m	110.52	107.95	Decrease
No. of Dwelling Units	No.	2061	2356	Increase
Apartment	No.	1256	1680	Increase
Villas	No.	805	676	Decrease
Total Population	No.	12383	16375	Increase
Total water requirement	KLD	1330	1825	Increase
Fresh water requirement	KLD	729	886	Increase
Treated water reuse	KLD	601	939	Increase
Total waste water generation	KLD	750	989	Increase
STP capacity	KLD	960	1795	Increase
Total solid waste	kg/day	5090	5979	Increase

3. Land Use details:

Land Use	(m ²)	Percentage (%)
Ground Coverage	80627.250	19.978
Green Area	162908.000	40.366
Road and Open Areas	160039.750	39.656
Total Plot Area	403575.000	100.000

4. Population details:

Details	Unit	As per EC	As per after amendment
Residents	no.	9275	11742
Staff	no.	-	607
Floating Population (Visitors and community)	no.	3108	4026
Total Population	no.	12383	16375

5. Salient features of the project:

Service Details				
Total Power Load	kW	11770	13532	Increase
No. of DG sets	kVA	10900	2 x 380 KVA=760 KVA 4 x 500 KVA=2000 KVA 3 x 600 KVA= 1800 KVA 4 x 630 KVA=2520 KVA 3x 750 KVA=2250 KVA 1 x1010=1010 KVA Total =10340 KVA	Decrease
No. of Rain water Harvesting pits	No.	77	77	No Impact
Parking Requirement	ECS	6092	6097	Increase
Parking Provision	ECS	6134	6098	Decrease
EMP Cost	Rs.	-		Capital Cost- Rs 1084 Lakhs Recurring Cost- Rs.70 lakhs

6. Water Calculation details:

Water Management as per Amendment	Population (No.)	LP CD	Total water (KLD)	Domestic (KLD)	Flushing	waste water
Resident Villas	4,194	86	361	273	88	
Resident Apartment	7,548	86	649	491	159	
Staff	300	45	14	8	6	
visitors(club, and apartment)	1,256	15	19	6	13	
Club Staff	125	45	6	3	3	
Club Visitors	1,132	15	17	6	11	
Retail Staff	182	45	8	5	3	
Retail Visitors	1,638	15	25	8	17	
Sub Total	16,375		1,098	799	299	
waste water				639	299	938
Swimming pool makeup			49		-	-
Cooling			60			5
Filter backwash			38			38
waste water				639	299	938
Gardening	@3.5 l/sqm		570			-
Misc		570	10			8
TOTAL			1,825			989

7. STP capacity with inflow of sewer break up is as follows: There will be 8 numbers of total STP's installed with capacity of are 1x 300 KLD,1x 130 KLD,1x 210 KLD,1x 190 KLD,1x 450 KLD,1x 375 KLD,2x 70 KLD (Total STP Capacity : 1795 KLD).

The project proponent requested to amend the environmental clearance dated 15/05/2018 as per above project details.

RESOLUTION AGAINST AGENDA NO-02

The committee discussed the matter and recommended to amend the MoEF&CC, Govt. of India environmental clearance letter no. 21-250/2017-IA-III dated 15/05/2018 as per above project details. The committee also directed the project proponent that all the contents/conditions mentioned in Environmental Clearance letter no. 1937/Parya/SEAC/2999/2015/OSD(T) dated 15/01/2016 and amendment letter no. 21-250/2017-IA-III dated 15/05/2018 shall remain same.

3. Expansion of Cement Production Capacity from 1.0 MTPA to 1.25 MTPA of Existing stand-alone clinker Grinding Unit at Plot No.- 19 & 20, UPSIDC Industrial Area, Sikandrabad, Bulandshahar., Shri K.V. Reddy, M/s Ultra Tech Cement Ltd. File No. 5928/Proposal No. SIA/UP/MIN/176615/2020

The committee noted that the matter was earlier discussed in 511th SEAC meeting dated 11/12/2020 and directed the project proponent to submit following information:

1. Documents in hard copy should be circulated to the Members of SEAC.
2. Valid consent from UPPCB for the extended production capacity of cement.
3. Record of occupation health and safety status with checkup details.

The project proponent submitted their replies vide letter dated 06/01/2021. Hence, the matter was listed in 525th SEAC meeting dated 19/02/2021. A presentation was made by project proponent along with their consultant M/s J.M. Environet Pvt. Ltd. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Expansion of Cement Production Capacity from 1.0 MTPA to 1.25 MTPA of Existing stand-alone clinker Grinding Unit at Plot No.- 19 & 20, UPSIDC Industrial Area, Sikandrabad, Bulandshahar, U.P., M/s Ultra Tech Cement Ltd.
2. Environmental Clearance for Existing grinding unit of 1.0 MTPA Cement Production capacity was obtained from SEIAA-UP vide letter dated 7th October, 2009 in favour of M/s Jaiprakash Associated Limited and the same has been transferred in the name of M/s Ultra Tech Limited by SEIAA vide letter dated 12.09.2018.
3. Certified compliance report of the existing EC has been obtained from the RO, MoEFCC dated 29th January 2020.
4. 34% (2.6 ha) of the total plant area have been developed under greenbelt/plantation.
5. Comparative details of existing and proposed expansion:

S. No.	Parameter	Existing	After Expansion	Remarks
1.	Cement Production (MTPA)	1.0	1.25	25 % expansion
2.	Plant area (ha)	7.6258	7.6258	No additional land is required
3.	Water (KLD)	57	57	No additional water is required
4.	Power requirement (MVA)	5.5	5.5	No additional power required
5.	Specific Power Consumption, (kwh/t of cement)	29	24	Specific power consumption will be reduce due latest technology roller press installation
6.	Emission rate (Kg/hr)	2.92	3.14	Minimal increase in emission load due to increase in production capacity from 1.0 to 1.25 MTPA.

7.	Domestic Waste water (KLD)	31.5	31.5	No change; treated water is being / will be used in greenbelt development / plantation purpose.
8.	Hazardous Waste generation (Used Oil) (KL/annum)	8.78	8.78	No change; same is being / will be sold to UPPCB authorized recyclers

6. Production details:

Project Proposal	Product	Capacity			Remarks
		Existing / Granted	Additional	Total	
	Cement (MTPA)	1.0	0.25	1.25	Expansion by Process Optimization & Modification
	D.G. Set (MW)	1010 KVA*1 2250 KVA*1	NIL	1010 KVA*1 2250 KVA*1	No Change
Screening Category	As per EIA Notification dated 14 th Sept., 2006 and as amended from time to time; this project falls under Category "B", Project Activity '3(b)' Cement Production.				

7. Salient features of the project:

S. No.	Particulars	Requirement			Source
		Existing	Additional	Total	
A.	Requirements				
1.	Water Requirement (KLD)	57	NIL	57	Ground Water
2.	Power Requirement (MVA)	5.5	NIL	5.5	Paschimanchal Vidyut Vitran Nigam Ltd (PVVNL)
3.	Manpower (Nos.)	250	NIL	250	Unskilled/semi-skilled manpower has been sourced through contractor and skilled manpower has been sourced from outside/local.
B.	Cost Details				
1.	Total Cost for the expansion project			Rs. 11.56 Crores	
2.	Cost for Environmental Protection Measures				
	Capital Cost			Rs. 0.50 Crores	
	Recurring Cost / annum			Rs. 0.04 Crores / annum	

8. Raw material details:

S. No.	Name of Raw Material	Quantity (Million TPA)			Source	Approx. Distance & Mode of Transportation
		Existing	Additional	Total		
1.	Clinker	0.60	0.15	0.75	Kotputli Cement Works, Rajasthan Aditya Cement Works, Rajasthan Vikram Cement Works, Madhya Pradesh Other UTCL Plants	By Road ~220 km from Kotputli Cement Works By Rail upto Hindon, Palwal, Modi Nagar & By road up to site
2.	Gypsum	0.05	0.0125	0.0625	Kolayat Mines, Bikaner, Rajasthan Baba Chemicals, Salamabad, Jammu and Kashmir.	575 Km by Road 971 Km by Road
3.	Fly ash	0.35	0.0875	0.4375	NTPC, Dadari Reliance Roza Thermal Power Plant, Shahjahanpur, U.P.	35 Km by Road 263 km by road 240 km by road

					DCRTPP, Yamunanagar, Haryana	
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9. Domestic wastewater generated from the plant & guest house is being/will be treated in STP with treatment capacity of 50 KLD and the treated water is being/will be utilized for greenbelt development / plantation.
10. 13 RWH Structure have been constructed for ground water recharge.
11. The project proposal falls under category–3(b) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-03

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with following conditions:

- I. Statutory compliance
 - i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
 - ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
 - iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
 - iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the State pollution Control Board.
 - v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
 - vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- II. Air quality monitoring and preservation
 - i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 - ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
 - iii. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, 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 . (case to case basis small plants: Manual; Large plants: Continuous).
 - iv. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air

- quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six- monthly monitoring report.
- v. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
 - vi. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.
 - vii. Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
 - viii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
 - ix. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.
 - x. Provide wind shelter fence and chemical spraying on the raw material stock piles.
 - xi. Have separate truck parking area and monitor vehicular emissions at regular interval.
 - xii. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport.
 - xiii. Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, cement bagging plants
- III. Water quality monitoring and preservation:
- i. The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. (Case to case basis small plants: Manual; Large plants: Continuous).
 - ii. The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers /sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
 - iii. The project proponent shall submit monthly summary report of continuous effluent monitoring and results of manual effluent testing and manual monitoring of ground water quality to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report.
 - iv. Adhere to Zero Liquid Discharge.
 - v. Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.
 - vi. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off
 - vii. The project proponent shall practice rainwater harvesting to maximum possible extent.
 - viii. Water meters shall be provided at the inlet to all unit processes in the cement plant.
 - ix. The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- IV. Noise monitoring and prevention
- i. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
 - ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules , 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

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

Protection (CREP) for the cement plants shall be implemented.

X. Miscellaneous

- i. Under CER activity as committed ambulance for handicapped, equipped with medical facilities may be provided.
- ii. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- iii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iv. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- v. The project proponent shall monitor the criteria pollutants level namely; 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.
- vi. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vii. The project proponent shall submit the environmental statement for each financial year in Form-V to the State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- xi. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xii. Concealing factual data or submission of false /fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv. The Ministry reserves the right to stipulate additional conditions if found necessary.
- xv. The Company in a time bound manner shall implement these conditions.
- xvi. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xvii. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xviii. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

4. Establishment of Clinker Grinding Unit of Capacity: 2,000,000 TPA (7200TPD) at Khasra No.- 1731, 1732, 1735, 1737 K, Village- Ingotha,Pargana- Sumerpur, Hamirpur,, M/s Jaykaycem (Central) Ltd. File No. 6109/Proposal No. SIA/UP/IND/59622/2021

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

1. The environmental clearance is sought for Establishment of Clinker Grinding Unit of Capacity: 2,000,000 TPA (7200TPD) at Khasra No.- 1731, 1732, 1735, 1737 K, Village- Ingotha,Pargana- Sumerpur, Hamirpur,, M/s Jaykaycem (Central) Ltd.
2. Salient features of the project:

S. NO.	ATTRIBUTES	CLINKER GRINDING UNIT WITH CEMENT PRODUCTION	
1.	Proposed capacity of plant	Establishment of New Clinker Grinding Unit Capacity : 20,00,000 TPA (7200 TPD) .	
2.	Product Mix	Portland Pozzolana Cement (PPC) and Ordinary Portland Cement (OPC), PSC and Composite Cement.	
3.	Total project cost	Rs. 28500 Lakhs (Estimated)	
4.	Total project area	10.6610 Ha. (26.33 Acres)	
5.	Green Belt area proposed	3.52 Ha. (~ 33.03 % of the total project area)	
6.	Category of Project	Category : B and Schedule : 3 (b)	
7.	Process Involve	Clinker, Fly ash and Gypsum are mixed in the prescribed/required ratio using electromagnetic vibrating feeders and taken to Vertical Grinding Mill (VRM) through Hopper and discharge shut where from it goes to Cement Silos and then taken to packing machine for automatic filling of Cement Bags.	
8.	Raw material and its Quantity (PPC)	Raw Material	Quantity
		Clinker (60%)	4320 TPD
		Fly Ash (35%)	2520 TPD
		Gypsum (5%)	360 TPD
		Total	7200 TPD
9.	No of Working Days	330 Day / Annum	
10.	Power Requirement	10.0 MW, Power requirement during the construction and operation phase will be taken from Uttar Pradesh Electricity Board. DG sets : 1250 kVA (01 No.) and 125 kVA (01 No.) for backup power supply.	
11..	Fuel and Its Quantity	Diesel will be used as fuel for DG Sets, Quantity of Diesel Approx.: 60 Lit / Hr. Coal/ Diesel/ FO will be used as fuel for HAG. Coal ~10 TPH / Diesel : ~500 Lit /hr / FO : ~500 Lit / hr.	
12.	No of Stacks proposed	01 Stack of approx. 50 m above ground level attached with proposed Cement Mill through process Bag House.	
13.	Air pollution control device	01 Bag House will be installed in proposed Cement Grinding Mill and 25 Bag filters will be provided at different transfer point, Coal Crusher and packing plant.	
14.	Water requirement	Fresh Water Requirement : 200 KLD, Water requirement will be met through bore well (Ground Water)	
15.	Waste Water treatment	No waste water generation in the process. Cooling tower blow down will be recirculated and utilized in dust suppression. Domestic waste water will be disposed through septic tank and soak pit.	
16.	Waste Water Discharge	It is Zero Liquid Discharge	
17.	Solid waste generation and	No solid waste will be generating from the process the dust collected in	

	disposal	Bag filters will be 100 % recycle to the process.
18.	Cost towards Environmental protection measures (Capital Cost)	Approx. Rs. 1425 Lakhs
19.	Recurring cost towards Environmental control measures.	Approx. Rs. 50 Lakhs per Annum
20.	CSR expenses	Rs. 1.25 Crores

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

RESOLUTION AGAINST AGENDA NO-04

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

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

- i. Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
 - ii. A toposheet of the study area of radius of 10km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
 - iii. Details w.r.t. option analysis for selection of site
 - iv. Co-ordinates (lat-long) of all four corners of the site.
 - v. Google map-Earth downloaded of the project site.
 - vi. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
 - vii. Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
 - viii. Landuse break-up of total land of the project site (identified and acquired), government/ private - agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area)
 - ix. A list of major industries with name and type within study area (10km radius) shall be incorporated. Land use details of the study area
 - x. Geological features and Geo-hydrological status of the study area shall be included.
 - xi. Details of Drainage of the project upto 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
 - xii. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
 - xiii. R&R details in respect of land in line with state Government policy
- 7) Forest and wildlife related issues (if applicable):
- i. Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable)
 - ii. Landuse map based on High resolution satellite imagery (GPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).
 - iii. Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
 - iv. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
 - v. Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area
 - vi. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife
- 8) Environmental Status:
- i. Determination of atmospheric inversion level at the project site and site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
 - ii. AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO2, NOX, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB

guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.

- iii. Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQPM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- iv. Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.
- v. Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
- vi. Ground water monitoring at minimum at 8 locations shall be included.
- vii. Noise levels monitoring at 8 locations within the study area.
- viii. Soil Characteristic as per CPCB guidelines.
- ix. Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- x. Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule- I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- xi. Socio-economic status of the study area.

9) Impact and Environment Management Plan

- i. Assessment of ground level concentration of pollutants from the stack emission based on site- specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modelling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modelling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- ii. Water Quality modelling - in case of discharge in water body
- iii. Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor- cum-rail transport shall be examined.
- iv. A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- v. Details of stack emission and action plan for control of emissions to meet standards.
- vi. Measures for fugitive emission control
- vii. Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- viii. Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- ix. Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.

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

1m-5m spatial resolution like quick bird, Ikonos, IRS P-6 pan sharpened etc. for the 10 Km radius area from proposed site. The same shall be used for land used/land-cover mapping of the area.

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

5. Expansion of Group Housing at Plot No.- SC-02-G, Sector-150, Noida., U.P., Shri Ajay Kumar, M/s ACE Infracity Developers Pvt. Ltd. File No. 6115/5909/Proposal No. SIA/UP/MIS/59703/2020

A presentation was made by 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 Expansion of Group Housing at Plot No.- SC-02-G, Sector-150, Noida., U.P., M/s ACE Infracity Developers Pvt. Ltd.
2. Environmental Clearance for the earlier proposed was issued by SEIAA, U.P. vide letter no. 324/Parya/SEAC/3657/2016 dated 27, Dec 2016 for the plot Area 60,000.54 m² and Built-up Area 2,30,469.50 m² respectively.
3. After expansion the Total Plot Area of the project is 60,000.54 m², whereas, total Built-up Area is 2,52,706.71 m². Max. No of floors are 2B+G+23. No of Building Blocks 14 (12 Residential +2 Community facilities). Expected population will be 6996 (5539 Residential+1457 Floating).
4. Estimated Cost of project is Rs. 354 Crores.
5. ToR has been issued by SEIAA, Uttar Pradesh vide letter No. 578/Parya/SEAC/5909/2020 dated 31.12.2020. EIA report submitted by project proponent on 08/01/2021.
6. Comparative details of existing and proposed expansion:

S.No.	Particulars	As per previous EC Letter	Proposed	Change	Percentage (%)
1	Plot Area	60000.54 m ²	60000.54 m ²	No Change	No Change
2	Built Up Area	230469.50 m ²	252706.71m ²	+22237.21	+8.79
3	Proposed FAR Area	119806.76 m ²	125370 m ²	+5563.24	+4.44
5	Total no of Saleable DU's	908 No.	912 No.	+4	+0.44
6	Max Height of Building	68.30 m	86.75 m	+18.45	+21.27
7	Max No of Floors	2B+G+21	2B+G+23	+2 Floor	-
8	Proposed Green Area	25978.18 m ²	23245 m ²	-2733.18	-10.52
9	Total Water requirement	419.07kld	564kld	+144.93	+25.69
10	Total Fresh water requirement	277.57 kld	391 kld	+113.43	+29.01
11	Solid Waste	2.14 TPD	3.02 TPD	+0.88	+29.14
12	Proposed Parking	2362 ECS	2943 ECS	+581	+19.74
13	Project Proponent	M/s CREST PROMOTERS PVT. LTD.	M/s ACE INFRACITY DEVELOPERS PRIVATE LIMITED (Amalgamation Order submitted with the report)		

7. Salient features of the project:

Sl. No.	Description	Total Quantity	Unit
GENERAL			

1	Plot Area	60000.54	SQMT
2	Proposed Built Up Area	252706.71	SQMT
3	Total no of Saleable DU's	912	No.
4	Max Height - (Height of tallest block)	86.75	M
5	No of Building Blocks (Residential+Community facilities)	14 (12+2)	
6	Max No of Floors	2B+G+23	No.
7	Expected Population (5539 Residential+1457 Floating)	6996	No.
8	Total Cost of Project	354	CR
9	Proj Activity : Group Housing, with Club & Convenient Shopping Facility		
AREAS			
10	Permissible FAR Area	125370.08	SQMT
11	Proposed FAR Area	125370	SQMT
12	Proposed Total Built Up Area	252706.71	SQMT
WATER			
13	Total Water Requirement	564.96	KLD
14	Fresh water requirement	391.50	KLD
15	Treated Water Requirement	173.47	KLD
16	Waste water Generation	438.18	KLD
17	Proposed Capacity of STP	530	KLD
18	Treated Water Available for Reuse	394.36	KLD
19	Treated Water Recycled	173.47	KLD
20	Surplus treated water to be discharged in Municipal Sewer with Prior permission	220.89	KLD
RAIN WATER HARVESTING			
21	Rain Water Harvesting - Recharge Pits	15	No.
PARKING			
22	Proposed Total Parking	1604	ECS
GREEN AREA			
23	Required Green Area (38.33% of plot area)	23000.27	SQMT
24	Proposed Green Area (38.7% of plot area)	23245	SQMT
WASTE			
25	Total Solid Waste Generation	3.02	TPD
26	Organic waste	1.85	TPD
27	Quantity of E-Waste Generation- Kg/Day	36.42	KG/DAY
28	Quantity of Hazardous waste Generation	3.18	LPD
29	Quantity of Sludge Generated from STP	31	KG/DAY
ENERGY			
30	Total Power Requirement	6000	KW
31	DG set backup	4790	KVA
32	No of DG Sets	5	No.

8. Water requirement details:

Particulars	POPULATION/ AREA/UNIT	RATE IN LTS	TOTAL QTY IN KL
RESIDENTIAL			
DOMESTIC	5539	65	360.04
FLUSHING	5539	21	116.32
NON RESIDENTIAL (Working)			
DOMESTIC	209	25	5.23
FLUSHING	209	20	4.18
VISITORS			
DOMESTIC	1248	5	6.24

FLUSHING	1248	10	12.48
TOTAL POPULATION	6996		
SWIMMING POOL/ (WATER BODY)	1	LS	10
FILTER BACK WASH		LS	10
	Area in sqm		
GARDENING	23245	1	23.25
	KVA		
D G COOLING	4790	0.9	17.24
TOTAL WATER REQUIREMENT			564

Head	Source	Quantity
Fresh Water Requirement	NOIDA	391 kld
Treated Water Requirement	On site STP treated water	173 kld
Waste water details: Estimated Sewage Generation: 439 kld Waste water generated will be treated in on-site STP. Proposed treatment methodology : MBBR Proposed STP (Capacity): 530 kld Treatment up to tertiary level.		

9. Solid waste generation details:

S.No.	Particulars	Quantity	Unit
1	Total Waste Generation	3.02	TPD
2	Organic Waste Generation	1.85	TPD
3	Sludge Generation	31	kg/Day
4	Quantity of E-Waste Generation	36.42	kg/Day
5	Quantity of Hazardous waste Generation	3.18	LPD

10. 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 to grant the environmental clearance for the above project proposal along with general conditions as earlier prescribed by authority for construction project and following specific conditions:

1. In compliance to Hon'ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs GOI and others) anti smog guns shall be installed to reduce dust during excavation.
2. Solar energy to be used alternatively on the road and common places for illumination to save conventional energy as per ECBC Code.
3. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
4. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
5. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.

6. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
7. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
8. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
9. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
10. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
11. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
12. 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.
13. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
14. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
15. 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.
16. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
17. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
18. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
19. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
20. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
21. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
22. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
23. No parking shall be allowed outside the project boundary.
24. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be

generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.

25. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
26. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
27. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
28. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
29. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
30. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area and pollution also reduced. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
31. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
32. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
33. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
34. All the internal drains are to be covered till the disposal point.
35. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
36. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

6. Revision of Township AIMS Golf Town, Plot No.- GH-04, Sector-04, Greater Noida, District-Gautam Buddha Nagar, U.P., Shri Amit Kumar Lohani, M/s Aims Golf Town Developers Pvt. Ltd. File No. 6118/Proposal No. SIA/UP/MIS/192588/2021

A presentation was made by the project proponent along with their consultant M/s Grass Roots Research & Creation India (P) Ltd. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for “Revision of Township AIMS Golf Town” at Plot No.- GH-04, Sector-04, Greater Noida, District-Gautam Buddha Nagar, U.P., M/s Aims Golf Town Developers Pvt. Ltd.
2. The project was earlier granted Environment Clearance by SEIAA, UP vide letter no. 1532/Parya/SEAC/1460/2013/JDCA(S), dated:-07th Oct, 2013 for Plot area 1,76,090.13 m² and Built-up area 5,04,589 Sq.m.

3. Plot No-1/GH-04 was sold to M/s Vtech Buildcon Pvt Ltd having total plot area of 20,000 Sq.m (4.94 Acres) for which M/s Vtech Buildcon Pvt. Ltd taken EC from SEIAA, UP vide Letter No-205/Parya/SEAC/4794/2019, dated:-05.08.2019 and and Plot No-03/GH-04 was sold to M/s Aastha Infracity Limited having total plot area of 20,000 Sq.m (4.94 Acres) for which M/s Aastha Infracity Limited taken the EC from SEIAA, UP vide letter No-1759/Parya/SEAC/1766/2013/DDY, dated:- 11.10.2013.

4. Comparison of existing EC and proposed revision:

S. No.	Particular	Area as per EC letter (in sqm)	Area Sold to Vtech, Aastha and Morphous (in sqm)	Revision in Environment Clearance (in sqm)
1.	Plot area	1,76,090.13	Vtech – 20,000 Aastha – 20,000 Morphous – 10,000	1,26,090.13
2.	Total Permissible Ground Coverage	61,631.54 (@35% of the plot area)	Vtech– 7,000 Aastha – 7,000 Morphous – 3,500	44,131.54 (@35% of the plot area)
3.	Proposed Ground Coverage	25,645.29 (@14.56% of the plot area)	Vtech– 4,951.521 Aastha – 4,225.39 Morphous – 2,540	8,032.256 (@6.37% of the plot area)
4.	Permissible FAR Area	4,84,247.85 (@2.75 of plot area)	Vtech– 73,268.444 Aastha – 70,000 Morphous – 27,500	3,46,747.85 (@2.75 of plot area)
5.	Proposed FAR Area	3,13,340 (@1.78 of plot area)	Vtech– 73,268.444 Aastha – 69,984.58 Morphous – 27,356	96,893.556 (@0.768 of plot area)
6.	Proposed NON-FAR Area	1,91,249	Vtech– 36,440.75 Aastha – 38,458.92 Morphous – 14,602.5	51,562.961
7.	Total Built up area (5+6)	5,04,589	Vtech– 1,09,709.194 Aastha – 1,08,443.50 Morphous – 41,958.5	1,48,456.517
8.	Proposed Landscape Area	49,047.66 (@27.85% of plot area)	---	35,116.10 (@27.85% of total plot area)
9.	Maximum height of the building (m)	48	Vtech– 108.50 Aastha – 59.90	64.5
10	STP Capacity	1250 KLD	---	2 x 400 KLD & 25 KLD
11	Parking Facility	5,531 ECS	---	1,350 ECS
12	Total Water Requirement	1,268 KLD	---	737 KLD
13	Fresh Water Requirement	813 KLD	---	479.5 KLD
14	Waste Water Generation	1,097 KLD	---	640.5 KLD
15	Power Requirement	10500 KW	---	4150 kVA
16	Power Backup	14 No of DG sets of (9 X 1200; 600 X 2; 300 X 1; 200 X 1; & 100 X 1kVA)	---	2 DG sets of 500 kVA + 125 kVA and 4 DG sets of 2 x 1010 kVA + 625 kVA + 500 kVA
17	Green Area	49,047.66Sq.m	---	35,116.10Sq.m

		(@27.85% of plot area)		(@27.85% of total plot area)
18	Solid Waste Generation	6000 kg/day	---	3042 kg/day
19	RWH Pit	25	---	19
20	No's of Tower	20 Tower (G+15)		Residential - 5 Tower (G+17, G+18 and G+19) Commercial – 01 Tower (G+6)

5. Salient features of the project:

S. No.	DESCRIPTION	DETAILS
1.	Location	Plot No GH-04, Sector-4, Greater Noida, Gautam Buddha Nagar, Uttar Pradesh
2.	Total Plot Area after Revision	1,26,090.13 m ²
3.	Total Built-Up Area After Revision	1,48,456.517 m ²
4.	Estimated Population	7,478 persons (staff + visitors)
5.	Water Requirement	842 KLD (Fresh water = 479.5 KLD)
6.	Solid Waste	3,042 kg/day
7.	Electricity load	4,150 KVA; Agency: Uttar Pradesh Power Corporation Limited.
9.	Rain Water Harvesting	19 Pits.
10.	Parking Required Parking Proposed	ECS - 1257 (State Bye-laws) ECS – 1, 350

6. Water requirement details:

S. No.	Description	Occupancy	Rate of water demand (lpcd)		Total Water Requirement		
A.	Group Housing						
1	Residents:		Fresh	Flushing	Fresh	Flushing	Total
	➤ Main Units	5,148	@ 90 lpcd	@ 45 lpcd	463	232	695
	➤ Visitors	514	@ 5 lpcd	@10 lpcd	3	6	9
	➤ Commercial Staff	70	@ 25 lpcd	@20 lpcd	2	1.5	3.5
	➤ Commercial Visitors	500	@ 5 lpcd	@10 lpcd	2.5	5	7.5
Water Requirement for Residential					470.5 KLD	244.5 KLD	715 KLD
2	Commercial Block						
	Lower Ground	191					
	➤ Staff	19	@25 lpcd	@20 lpcd	0.5	0.5	1
	➤ Visitors	172	@ 5 lpcd	@10 lpcd	1	2	3
	Ground Floor	349					
	➤ Staff	35	@25 lpcd	@20 lpcd	1	1	2
	➤ Visitors	314	@ 5 lpcd	@10 lpcd	1.5	1.5	3
	1 st Floor to 5 th Floor	706					
	➤ Staff	70	@25 lpcd	@20 lpcd	2	2	4
	➤ Visitors	636	@ 5 lpcd	@10 lpcd	3	6	9
Water Requirement for Commercial					9 KLD	13 KLD	22 KLD
Total Domestic Water Requirement					479.5 KLD	257.5 KLD	737 KLD
Horticulture		35116.10 Sq.m	3 l/Sq.m/Day		105 KLD		
Grand Total					842 KLD		

7. Water and waste water management details:

S. No.	Description	Management / Mitigation Measures
A) CONSTRUCTION PHASE		
1	Source: Treated STP water	The site drainage will be planned in such a way that there is no accumulation of water and waste water within the project premises or in the vicinity of site. 2. Mobile type toilets will be provided for construction laborers.
B) OPERATION PHASE		
1 2 3	Source: Municipal Supply. Residential Total Water Demand = 715 KLD Fresh water = 470.5 KLD Waste water Generation = 620.5 KLD Commercial Total Water Demand = 22 KLD Fresh water = 9 KLD Waste water Generation = 20 KLD	1. STP of 400 x 2 KL/Day for Residential and 25 KL/day for commercial capacity will be provided within the project premises to treat waste water. 2. Reuse of treated effluent for flushing, horticulture & DG cooling. 3. Artificial ground water recharge proposed through rain water harvesting.

8. Solid waste details:

S. No.	Description	Occupancy	Waste Generated (kg/capita/day)	Waste Generated (kg/day)
1.	Domestic Solid Waste			
	Main Units	5,148	0.5	2574
	Staff (Maintenance, Commercial, facilities)	194	0.30	58
	Visitors (Community facilities etc)	2,136	0.15	321
2.	Horticultural Waste (0.72 acre)		@ 0.2 kg/acre/day	2
3.	STP Sludge		Sludge generated x 0.35 x B.O.D difference/1000	87
Total Solid Waste Generation = 3,042 kg/day				

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

RESOLUTION AGAINST AGENDA NO-06

The committee discussed the matter and recommended to grant the environmental clearance for the above project proposal along with general conditions as earlier prescribed by authority for construction project and following specific conditions:

1. In compliance to Hon'ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs GOI and others) anti smog guns shall be installed to reduce dust during excavation.
2. Solar energy to be used alternatively on the road and common places for illumination to save conventional energy as per ECBC Code.
3. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.

4. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
5. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
6. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
7. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
8. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
9. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
10. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
11. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
12. 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.
13. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
14. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
15. 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.
16. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
17. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
18. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
19. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
20. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
21. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
22. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.

23. No parking shall be allowed outside the project boundary.
24. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
25. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
26. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
27. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
28. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
29. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
30. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area and pollution also reduced. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
31. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
32. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
33. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
34. All the internal drains are to be covered till the disposal point.
35. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
36. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

7. Common Biomedical Waste Treatment Plant at Khasra No.- 906/13, Village- Gadery, Mainpur. M/s Green House Waste Management. File No. 6119/4588/Proposal No. SIA/UP/MIS/59796/2018

A presentation was made by 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 Common Biomedical Waste Treatment Plant at Khasra No.- 906/13, Village- Gadery, District- Mainpuri, U.P., M/s Green House Waste Management.

2. Terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 320/Parya/SEAC/4588/2018 dated 02/11/2019.
3. Public hearing was organized on 03/11/2020 and final EIA submitted by project proponent on 11/01/2021.
4. The project proposed to be developed in an area of 2.199 Acre (approx. 8900 sq m).
5. The components in the project will have one fixed hearth incinerator of 200 kg/hr capacity [one in standby may be installed as per requirement], one autoclave [one as stand by] having capacity of 1500 l/hr each and one shredder [one as stand by] having capacity of 200 kg/hr each.
6. The project will cater health care establishment from the district of Mainpuri and neighboring districts located within 75 km radius.
7. Salient features of the project:

Sl	Component	Description
1	Land Area	2.199 acre (approx. 8900 sqm)
2	Address	Khasra No. 906/13, Mauza Gadery, Mainpuri, UP-205 001
3	Present Landuse	Agricultural use
4	Land Acquisition Status	Land taken on lease basis
5	Conversion of Land Use	CLU is under process
6	Accessibility	Village road connecting Jyoti Marg which further connects SH 84 in Mainpuri at a distance of approx. 4.5 km on south.
7	Distance from nearest habitation	More than 500m (village – Gadery on SW)
8	Other similar facility nearby	Not within 75 km from this site
9	Surface water body	Ishan river flowing at a distance of about 650 m on north.
10	Tree cutting	No tree cutting envisaged

8. Area details:

S.No	Type	Sq m
1	Total Plot Area	8900
2	Ground Floor Covered Area (office & shade)	902.05
3	Check Post covered area	20.19
4	Total ground covered area	922.24
5	Mumty covered area	22.46
6	Total covered area	944.70
7	Ground floor open area	4904.76
8.	Balance Open Area	1183.6
9.	Green area	2670

9. Water requirement details:

Usage	Source	Qty of water, KLD	Effluent generation, KLD	Treatment
Domestic requirement	Fresh	1.7	1.6	Septic tank & soak pit
Floor Washing	Fresh	1.7	1.6	ETP
Quencher and Scrubber	Recycled	2.4	2.2	ETP
Autoclave	Fresh	2.1	2.0	ETP
Vehicle Cleaning	Recycled	2.1	2.0	ETP
Landscaping	Recycled	2.0	0	--
Total Water Required				12 KLD
Total Fresh Water Required				5.5 KLD
Process Loss				2.4 KLD
Total Effluent generated				7.8 KLD
ETP Proposed				14 KLD
Treated Effluent obtained				6.5 KLD
Reuse of treated effluent				6.5 KLD

Discharge	0
Water: Source will be onsite abstraction of ground water	

10. 65 KVA power requirements will be sourced through Dakshinanchal Vidyut Vitaran Nigam Ltd. DG. Set of 65 KVA capacity as standby.
11. The project proposal falls under category-7(d) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-07

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with following general and specific conditions:

General Conditions:

1. PP will take prior permission of UPPCB for establishing CBWTF at the site in reference to revised guidelines of CPCB-2016 for CBWTF before installation.
2. PP must ensure before starting operation to resolve all issues raised in the public hearing as per the revised guidelines issued by the CPCB on 21/12/2016 (revised guidelines for common bio medical waste treatment and disposal facilities-chapter-6B). According to the guidelines, UPPCB should resolve the complaints from the public received during the public hearing. If they are not able to resolve the issues then the matter is referred to CPCB for final decision.
3. Guidelines of CPCB/UPPCB for Bio-Medical Waste Common Hazardous Wastes Incinerators shall be followed.
4. All safety measures will be strictly followed by workers for handling of Bio medical waste bags during storage and feeding at incinerator to prevent health hazards.
5. PP should carryout periodical air quality monitoring in and around the site including VOC, HC.
6. PP shall ensure to conduct quarterly health check up of workers working in the plant.
7. PP will construct garland drain of appropriate size and settling tank with stone pitching all around the plant premises.
8. PP should develop 8 m green belt all along the periphery of the species that are significant and used for the pollution abatement.
9. Incineration plants shall be operated (combustion chambers) with such temperance, retention time and turbulence, so as to achieve Total Organic Carbon (TOC) content in the slag and bottom ashes less than 3%, or their loss on ignition is less than 5% of the dry weight of the material.
10. Transportation and handling of Bio-medical Wastes shall be as per the Biomedical Wastes (Management and Handling) Rules, 2000 (as amended) including the section 129 to 137 of Central Motor Vehicle Rules, 1989.
11. The proponent should ensure that the project fulfills all the provisions of Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 (as amended) including collection and transportation design etc and also guidelines for Common Hazardous Waste Incineration - 2005, issued by CPCB.
12. Ecosorb (organic and biodegradable chemical) and alumina will be used around. Odor generation areas at regular intervals for dilution of odorant by odor counteraction or neutralize.
13. The entire area should be covered with 03 meters MS sheets and due care should be taken for noise and vibration control during demolition work.
14. Provisions shall be made for the housing of construction/plant erection labor within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.
15. Monitoring of the stack gaseous emissions (under optimum capacity of the incinerator) will be done once in three months through a laboratory approved under the EPA, 1986/NABL and record of such analysis results shall be maintained and submitted to the prescribed authority. In case of dioxins and furans, monitoring will be done once in a year.

16. Ventury scrubber with mist eliminator, beg filter, multicyclone and dust collector shall be provided as air pollution control equipment.
17. Magnetic flow meters shall be provided at the inlet/outlet of water supply point and records for the same shall be maintained and submitted to UPPCB regularly.
18. The PP should comply with the provisions made in Hazardous Waste (Management, Handling & Trans-boundary Movement) Rules, 2016 and Bio-Medical Waste (Management and Handling) Rules, 2016 (as amended).
19. Dedicated parking facility for unloading of materials/wastes shall be provided in the facility premises. PP shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
20. The overall noise level in and around the facility area and D.G. set shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise level shall confirm to the standards prescribed under the Environment (Protection) Act, 1986 & Rules.

Specific Conditions:

1. PP should install adequate ETP for treatment and disposal of effluent and Zero discharge should be maintained.
2. Process effluent any waste water should not be allowed to mix with storm water.
3. No landfill site is allowed within the CBWTF site.
4. PP will ensure to use only non-chlorinated bags for handling and storing bio medical waste. In any case, PP is not allowed to use poly and plastic bags.
5. Incinerator should be property interlocked with venture scrubber to control air pollution.
6. Incinerated ash and ETP sludge shall be disposed at approved TSDF and MoU made in this regard shall be submitted to the UPSEIAA prior to commencement.
7. Color coding for handling waste be strictly followed as per BMW Rules 2016.
8. PP will install continuous online monitoring system to monitor the emissions from the stack. Periodical air quality monitoring in and around the site shall be carried out. The parameters shall include Dioxin and furan.
9. Proper Parking facility should be provided for employees & transport used for collection & disposal of waste materials.
10. Necessary provision shall be made for firefighting facilities within the complex.
11. The Leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.
12. PP should ensure installation of photovoltaic cells (solar energy) for lighting in common areas, LED light fixtures, and other energy efficient plant machineries and equipments.
13. The containers should be covered during transportation in order to prevent exposure of public to odors and contamination.
14. PP should have two storage rooms separately for treated and untreated waste.
15. PP should ensure the traffic movement plan, parking facilities and road width.
16. PP should develop green belt at least minimum of 33% in plant premises as per CPCB guidelines with native species/pollution absorbing species.
17. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
18. For dust suppression, regular sprinkling of water should be undertaken.
19. PP will obtain other necessary clearances/NOC from respective authorities.
20. As proposed, the domestic waste water shall be treated in septic tank and soak pit system whereas industrial waste water shall be treated in ETP/STP with provision of tertiary system. Recycling of treated water shall be ensured to maintain zero discharge conditions.
21. No effluent from the facility shall be discharged outside the premises and Zero discharge shall be

maintained. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum OSX zoom and data connectivity must be provided to the UPPCB server for remote operations.

22. Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. The ground water quality monitoring shall be monitored as per the UPPCB norms. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Bhopal and UPPCB.
23. On line continuous monitoring system shall also be installed to monitor the stack emission and data connectivity must be provided to the UPPCB server for remote operations.
24. The height of the stack shall be not less than 35 mtrs.
25. Only low Sulphur fuel like Light Diesel Oil or Low Sulphur Heavy Stock or Diesel, Compressed Natural Gas, Liquefied Natural Gas or Liquefied Petroleum Gas shall be used as fuel in the incinerator.
26. Combustion gas analyzer to measure CO₂, CO and O₂ should be installed.
27. Internal roads will be concerted/asphalted to reduce dust emissions.
28. PP shall ensure that 02 additional vehicle shall be available all the time in addition to the required number of vehicle for collection and transportation of bio medical waste.
29. PP shall ensure that bio medical waste shall be treated completely within 48 hrs from the time of collection. All conditions and guidelines lay down by CPCB and BMW Act, 2016 shall be complied.
30. No hazardous waste should be disposed off in this facility.
31. The PP shall be developed green belt within plant premises with at least 5 meter wide green belt on all sides along the periphery of the project area and along road sides etc. Selection of plant species shall be as per the CPCB guidelines and in consultation with the DFO.
32. All the commitments made in the public hearing shall be implemented by PP.
33. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
34. In case of power failure, stand by D.G. Sets having power generation capacity equivalent to the requirement of power to run the facility shall be installed, so that the facility shall always be operated round the clock even in case of power failure.
35. For avoiding vehicle congestion/traffic jam within facility premises or outside road proper turning and parking space is provided. Also all internal roads shall be made pucca/bituminous top to avoid fugitive emissions.
36. All recommendations and pollution mitigative measures proposed in the EMP shall be binding for the project authorities.
37. Pucca flooring/impervious layer shall be provided in the work areas, chemical/waste oil storage areas and chemical handling areas to minimize soil contamination.
38. Good housekeeping shall be maintained within the facility premises. All pipes, valves and drains shall be leak proof. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal.
39. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.
40. CER activity should be proposed for next 10 years in different activities and should be implemented through respective committees.
41. The environmental policy with Environmental Management Cell as per MoEF guideline will be prepared by PP and the with suitably qualified staff for implementation of the stipulated environmental safeguards and for monitoring functions shall be setup under the control of the Chief Executive of the company.
42. As proposed, the green belt development/plantation activities should be completed within the first three years of the project.

43. In case of any, change in scope of work, technology, modernization and enhancement of capacity/built-up area/project area shall again require prior environmental clearance as per EIA Notification, 2006.
44. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
45. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: Expansion or modernization in the project, entailing capacity/built-up area/project area, addition with change in process and or technology and any change in product – mix in proposed mining unit shall require a fresh Environment Clearance.
46. PP shall comply all conditions stipulated in
47. The facilities for collection, segregation, handling, on site storage and processing of solid waste shall be provided and maintained properly. The collected solid waste shall be segregated at site. Biodegradable waste shall be treated in biogas plant and Non Biodegradable/recyclable solid waste shall be sold out to the authorized vendor's recyclers. The inert solid waste shall be sent to concerned collection Center of integrated municipal solid management facility of the area.
48. The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and import of Hazardous Chemicals Rules, 1989(as amended) and Hazardous Waste (Management and Handling) Rules, 2016, (as amended) from time to time. Hazardous/Solid Wastes generated during construction and operation phases should be disposed off as prescribed under law. Necessary clearances in this regard shall be obtained.
49. E-waste should be disposed off as per rules applicable and with the necessary approval of the UP Pollution control Board.
50. The project proponent will ensure that proper dust control arrangements are made during the construction and proper display system is to be installed at the site to inform the public about the steps taken to control air pollution as per the Construction and Demolition Waste Management Rules.
51. Consent to establishment/operate shall be obtained from UPPCB.
52. The project proponent shall submit within the next 3 months the details on quantification of year wise CER activities along with cost and other details. CER activities must not be less than 2% of the project cost. The CER activities should be related to mitigation of Environmental Pollution and awareness for the same.
53. A 2% of the total project cost Corporate Environmental Responsibility (CER) plan along with budgetary provision shall be prepared phase wise and approved by Board of Directors of the company. A copy of resolution as above shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted alongwith photographs. No parking shall be allowed outside the project boundary.
54. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
55. Any hazardous waste generated during construction/operation phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
56. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
57. Bio medical waste management shall be followed as per The Bio-Medical Waste (Management and Handling) Rules, 2016. Special attention to be given for Mercury waste management and disposal. Authorization certificate is to be obtained from Pollution Board and you cannot hold bio medical waste more than 24 hours.
58. Necessary permissions should be sought for use and safe disposal of radioactive materials. Procedural protocol prescribed by competent authority should be followed for the same.
59. Ambient noise levels should conform to residential standards both during day and night.

Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.

60. The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
61. NOC from Ground Water Board is to be obtained for drilling of tube well for use of Water Supply, if any.
62. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.

8. Khanda-Boulder/ Bailast- Gitti Mine at Gata No.-310, Khand No.-04, at Village-Dangariyarund, Sadar, Jhansi., Shri Sanjay Parecha, Area-2.0 ha. File No. 6105/Proposal No. SIA/UP/MIN/59607/2021

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

1. The environmental clearance is sought for Khanda- Boulder/ Gitti-Ballast Mining project at Gata No. 310 (Khand 04), Village- Dangariyarund, Tehsil- Sadar, District - Jhansi, U.P., of Prop. Shri Sanjay Parecha, (Leased Area 2.0 ha).
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/59607/2021		
2. File No. allotted by SEIAA, UP	6105		
3. Name of Proponent	Prop. Shri Sanjay Parecha		
4. Full correspondence address of proponent and mobile No.	R/o Ao 28 Ramnath City, Rajgarh, Tehsil- Sadar, District- Jhansi, (U.P.)		
	Mobile No-		
	Email-		
5. Name of Project	Khanda- Boulder/ Gitti-Ballast Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Gata No. 310 (Khand 04)		
7. Name of River	-		
8. Name of Village	Dangariyarund		
9. Tehsil	Sadar		
10. District	Jhansi		
11. Name of Minor Mineral	Khanda- Boulder/ Gitti-Ballast Mining Project		
12. Sanctioned Lease Area (in Ha.)	2.0		
13. Max & Min mRL within lease area	Max- 270.10 mRL and Min- 266.10 mRL		
14. Pillar Coordinates (Verified by DMO)	Sanctioned Mining Lease Area		
	Pillar No.	Latitude	Longitude
	A	25°21'35.78"N	78°31'37.59"E
	B	25°21'36.95"N	78°31'34.92"E
	C	25°21'37.48"N	78°31'34.32"E
	D	25°21'32.59"N	78°31'30.49"E
	E	25°21'30.56"N	78°31'33.83"E
15. Total Geological Reserves	5.69,181 cum		

16. Total Mineable Reserves in LOI	60,000 cum	
17. Total Proposed Production	3,00,000 cum	
18. Proposed Production/year	60,000 cum	
19. Sanctioned Period of Mine lease	Maximum 20 years (Mining plan prepared for 5 years)	
20. Production of mine/day	230.76	
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	32	
25. No. of vehicles movement/day	33	
26. Type of Land	Government waste land	
27. Ultimate Depth of Mining	36	
28. Nearest metalled road from site	0.45 km	
29. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.32
	Suppression of dust	8.7
	Plantation	0.12
	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. Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified	
33. Details of Lease Area in approved DSR	Yes, given in the DSR	
34. Proposed CER cost	Rs 1,20,000/-	
35. Proposed EMP cost	Rs 4,40,000 /-	
36. Length and breadth of Haul Road	Length: 0.7 km, width: 6 m	
37. No. of Trees to be Planted	100 plants	

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

RESOLUTION AGAINST AGENDA NO-08

The committee discussed the matter and recommended to issue the additional terms of reference (ATOR) for the preparation of EIA.

Additional TOR:

1. Revised cluster certificate.
2. Copy of Final DSR.

9. Building Stone Khanda/Gitti, Boulder/ Pahadi Red Morrum Mine at Gata No.-715/12, at Village- Gonda, Tehsil- Karwee, Chitrakoot, U.P., M/s Santosh Kumar Contractor, Area-4.048 ha. File No. 6106/Proposal No. SIA/UP/MIN/59608/2021

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

1. The environmental clearance is sought for Gonda Building Stone (Khanda/ Gitty, Boulder/ Pahadi Red Morrum) Mining project at Gata No. 715/12, Village- Gonda, Tehsil- Karwee, District- Chitrakoot, U.P., of M/s Santosh Kumar Contractor, Prop. Shri Santosh Kumar S/o Shri Surajpal, (Leased Area 4.048 ha).

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

1.	On-line proposal No.	SIA/UP/MIN/59608/2021		
2.	File No. allotted by SEIAA, UP	6106		
3.	Name of Proponent	M/s Santosh Kumar Contractor, Prop. Shri Santosh Kumar		
4.	Full correspondence address of proponent and mobile No.	R/o Village- Bharatpur, Tehsil- Karwee, District- Chitrakoot, (U.P.)		
		Mobile No-		
		Email-		
5.	Name of Project	Building Stone (Khanda/ Gitty, Boulder/ Pahadi Red Morrum) Mining Project		
6.	Project location (Plot/Khasra/Gata No.)	Gata No. 715/12		
7.	Name of River	-		
8.	Name of Village	Gonda		
9.	Tehsil	Karwi		
10.	District	Chitrakoot		
11.	Name of Minor Mineral	Building Stone (Khanda/ Gitty, Boulder/ Pahadi Red Morrum)		
12.	Sanctioned Lease Area (in Ha.)	4.048		
13.	Max & Min mRL within lease area	Max- 200.0 mRL and Min- 170.00 mRL		
14.	Pillar Coordinates (Verified by DMO)	Sanctioned Mining Lease Area		
		Pillar No.	Latitude	Longitude
		A	25°12'24.66"N	80°45'21.60"E
		B	25°12'24.96"N	80°45'24.90"E
		C	25°12'22.86"N	80°45'25.08"E
		D	25°12'23.64"N	80°45'30.06"E
		E	25°12'18.48"N	80°45'30.36"E
		F	25°12'18.60"N	80°45'18.66"E
15.	Total Geological Reserves	27,51,111 cum		
16.	Total Mineable Reserves in LOI	20,26,388 m3		
17.	Total Proposed Production	10,00,000 cum		
18.	Proposed Production/year	2,00,000 cum		
19.	Sanctioned Period of Mine lease	Maximum 20 years (Mining plan prepared for 5 years)		
20.	Production of mine/day	769.23		
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	53		
25.	No. of vehicles movement/day	107		
26.	Type of Land	Government waste land		
27.	Ultimate Depth of Mining	72		
28.	Nearest metalled road from site	1.0 km		

29. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.53
	Suppression of dust	3.34
	Plantation	0.50
	Others (if any)	-
	Total	4.37
30. Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt Ltd. 1922, validity= 03-02-2022	
31. Any litigation pending against the project or land in any court	No	
32. Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified	
33. Details of Lease Area in approved DSR	Yes, given in the DSR	
34. Proposed CER cost	Rs 1,90,000/-	
35. Proposed EMP cost	Rs 4,40,000 /-	
36. Length and breadth of Haul Road	Length: 0.278 km, width: 6 m	
37. No. of Trees to be Planted	50 plants	

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

RESOLUTION AGAINST AGENDA NO-09

The committee discussed the matter and recommended to issue the additional terms of reference (ATOR) for the preparation of EIA.

Additional TOR:

1. Revised cluster certificate.
2. Copy of Final DSR.

10. Khanda-Boulder/ Bailast- Gitti) Mine at Gata No.-1127, Khand No.- 02 at Village- Chaukari, Tehsil- Garaautha, District-Jhansi, U.P., Shri Sushil Parecha, area-1.214 ha. File No. 6110/Proposal No. SIA/UP/MIN/59649/2021

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

1. The environmental clearance is sought for Khanda- Boulder/ Gitti-Ballast Mining project at Gata No. 1127 (Khand 02), Village- Chaukari, Tehsil- Garaautha, District - Jhansi, U.P., of Prop. Shri Sushil Parecha, (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/59649/2021
2. File No. allotted by SEIAA, UP	6110
3. Name of Proponent	Prop. Shri Sushil Parecha
4. Full correspondence address of proponent	R/o Ao 27 Ramnath City, Rajgarh, Tehsil- Sadar, District- Jhansi,

and mobile No.	(U.P.)		
	Mobile No-		
	Email-		
5. Name of Project	Khanda- Boulder/ Gitti-Ballast Mining Project		
6. Project location (Plot/Khasra/Gata No.)	Gata No. 1127 (Khand 02)		
7. Name of River	-		
8. Name of Village	Chaukari		
9. Tehsil	Garautha		
10. District	Jhansi		
11. Name of Minor Mineral	Khanda- Boulder/ Gitti-Ballast Mining Project		
12. Sanctioned Lease Area (in Ha.)	1.214		
13. Max & Min mRL within lease area	Max- 203.00 mRL and Min- 190.00 mRL		
14. Pillar Coordinates (Verified by DMO)	Sanctioned Mining Lease Area		
	Pillar No.	Latitude	Longitude
	A	25°34'59.21"N	79°13'25.11"E
	B	25°34'59.53"N	79°13'27.78"E
	C	25°34'58.32"N	79°13'32.68"E
	D	25°34'56.89"N	79°13'32.79"E
	E	25°34'56.66"N	79°13'25.33"E
15. Total Geological Reserves	4,76,914.5 cum		
16. Total Mineable Reserves in LOI	36,420 cum		
17. Total Proposed Production	1,82,100 cum		
18. Proposed Production/year	36,420 cum		
19. Sanctioned Period of Mine lease	Maximum 20 years (Mining plan prepared for 5 years)		
20. Production of mine/day	140.07		
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	30		
25. No. of vehicles movement/day	20		
26. Type of Land	Government waste land		
27. Ultimate Depth of Mining	24		
28. Nearest metalled road from site	2.0 km		
29. Water Requirement	PURPOSE		REQUIREMENT (KLD)
	Drinking		0.30
	Suppression of dust		4.50
	Plantation		0.12
	Others (if any)		-
	Total		4.92
30. Name of QCI Accredited Consultant with QCI No and period of validity.	Cognizance Research India Pvt Ltd. 1922, validity= 03-02-2022		
31. Any litigation pending against the project or land in any court	No		
32. Details of 500 m Cluster Map & certificate issued by Mining Officer	Yes, certified		
33. Details of Lease Area in approved DSR	Yes, given in the DSR		
34. Proposed CER cost	Rs 1,20,000/-		
35. Proposed EMP cost	Rs 4,10,000 /-		
36. Length and breadth of Haul Road	Length: 0.375 km, width: 6 m		
37. No. of Trees to be Planted	50 plants		

3. The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.

4. The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
5. There is no litigation pending in any court regarding this project.
6. The project proposal falls under category-1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-10

The committee discussed the matter and recommended to issue the additional terms of reference (ATOR) for the preparation of EIA.

Additional TOR:

1. Revised cluster certificate.
2. Copy of Final DSR.

11. Building Stone (Khanda, Boulder & Gitti) Mine at Araj No.-310, Khand No.- 03, at Village-Dangariyarund , Tehsil- Sadar, District-Jhansi, U.P., Shri Sagar Parecha, Area-2.0 ha. File No. 6111/Proposal No. SIA/UP/MIN/59628/2021

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

1. The environmental clearance is sought for Building Stone(Khanda, Gitti, Boulders/Gitti, ballast) Mining at Araj/Gata no.-310, khand-03, Village-Dangariyarund, Tehsil-Sadar, District-Jhansi, U.P., developed by Shri Sagar Parecha, (Leased Area-2.0 ha.).
2. Salient features of the project as submitted by the project proponent:

1.	On-line proposal No.	SEIAA/UP/MIN/59628/2021		
2.	File No. allotted by SEIAA, UP	6111		
3.	Name of Proponent	Shri Sagar Parecha S/o Shri Rajkumar Parecha		
4.	Full correspondence address of proponent and mobile no.	Shri Sagar Parecha		
		R/o 1533/1, Jankipuram, Civil lines, Tehsil & District-Jhansi.		
		Mobile no.- 7755003667		
		E-mail Id- sagarparecha5418@gmail.com		
5.	Name of Project	Building Stone(Khanda, Gitti, Boulders/Gitti, ballast)) Mining		
6.	Project Location (Plot.Khasra/Gata No.)	Gata No. –310, khand-03, Village –Dangariyarund, Tehsil-Sadar, District–Jhansi, Uttar Pradesh		
7.	Name of River	NA		
8.	Name of Village	Dangariyarund		
9.	Tehsil	Sadar		
10.	District	Jhansi		
11.	Name of Minor Mineral	Building Stone(Khanda, Gitti, Boulders/Gitti, ballast)) Mining		
12.	Sanctioned Lease Area (in Ha.)	2.0 ha.		
13.	Max. & Min mRL within lease area	Highest mRL is 272 & Lowest Is 265mRL		
14.	Pillar Coordinates (Verified by DMO)			
		Pillar No	N	E

		A	25° 21'34.20"N	78°31'28.14"E	
		B	25° 21'40.48"N	78°31'31.27"E	
		C	25° 21'37.48"N	78°31'34.32"E	
		D	25° 21'32.59"N	78°31'30.49"E	
15.	Total Geological Reserves	437286 m ³			
16.	Total Mineable Reserve (as per Approve Mine Plan)	322674 m ³			
17.	Total Proposed Production	60000 m ³ /year			
18.	Proposed Production /year	60000 m ³ /year			
19.	Sanctioned Period of Mine lease	20 years			
20.	Production of mine/day	222 m ³ /day			
21.	Method of Mining	Opencast, Semi-Mechanized			
22.	No. of working days	270			
23.	Working hours/day	8			
24.	No. of worker	38			
25.	No. of vehicles movement/day	25 trips per day			
26.	Type of Land	Revenue land			
27.	Ultimate of Depth of Mining	24m			
28.	Nearest metalled road from site	0.8 km			
29.	Water Requirement	PURPOSE		REQUIREMENT (KLD)	
		Drinking		1.14 KLD	
		Suppression of dust		3.2 KLD	
		Plantation		0.5 KLD	
		Others (if any)		-	
		Total		4.84 KLD	
30.	Name of QCI Accredited Consultant with QCI No and period of validity.	M/s Globus environment engineering services SL. NO. 78, 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. 17365/30 mmc/2020-21) on dated 18/12/2020			
33.	Details of Lease Area in approved DSR	2.0 ha./			
34.	Proposed CER cost	3.2 lakhs			
35.	Proposed EMP cost	Total project cost-Rs 1.6 crore			
36.	Length and breadth of Haul Road	0.8 km & 6m			
37.	No. of Trees to be Planted	150			

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

RESOLUTION AGAINST AGENDA NO-11

The committee discussed the matter and recommended to issue the additional terms of reference (ATOR) for the preparation of EIA.

Additional TOR:

1. Revised cluster certificate.

12. Sand Stone Dimensional Mining at Arazi No.-732, Serial No.-21, Village- Bhagautidei, Tehsil- Chunar, District- Mirzapur, U.P., M/s Satya Naraian Singh Construction Pvt. Ltd., Area-1.01 ha. File No. 6112/Proposal No. SIA/UP/MIN/58440/2020

A presentation was made by the project proponent along with their consultant M/s ENV Development Assistance Systems (I) Pvt. Ltd. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Sand Stone Dimensional Mining at Arazi No.-732, Serial No.-21, Village- Bhagautidei, Tehsil- Chunar, District- Mirzapur, U.P., (Leased Area-1.01 ha.), M/s Satya Naraian Singh Construction Pvt. Ltd.
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/58440/2020		
2. File No. allotted by SEIAA, UP	6112		
3. Name of Proponent	M/s Satya Naraian Singh Construction Pvt. Ltd. Proprietor- Shri Satya Narayan Singh		
4. Full correspondence address of proponent and mobile no.	M/s Satya Naraian Singh Construction Pvt. Ltd. Proprietor- Shri Satya Narayan Singh S/o Shri Devraj Singh R/o Village- Narayanpur, Post- Chenari, District- Rohtas, Bihar- 821104		
5. Name of Project	Sand Stone Dimensional Mining		
6. Project location (Plot/Khasra/Gata No.)	Arazi No. 732, S. No. 21		
7. Name of River	It is a stone excavation project.		
8. Name of Village	Bhagautidei		
9. Tehsil	Chunar		
10. District	Mirzapur		
11. Name of Minor Mineral	Sand Stone Dimensional Mining		
12. Sanctioned Lease Area (in ha)	1.01 ha		
13. Mineable Area (in ha)	1.01 ha		
14. Zero level mRL	Project is free from any river, water reservoir or any of ponds etc.		
15. Max. & Min mrl within lease area	113 mRL and 104 mRL		
16. Pillar Coordinates (Verified by DMO)	Pillars	Latitude	Longitude
	Sanctioned Lease Area		
	A	25° 3'24.50"N	82°59'34.00"E
	B	25° 3'24.60"N	82°59'36.10"E
	C	25° 3'18.10"N	82°59'37.10"E
	D	25° 3'18.10"N	82°59'34.70"E
17. Total Geological Reserves	4,14,334 m ³		
18. Total Mineable Reserves in LOI	10,100 m ³ /year		
19. Total Proposed Production	10,100 m ³ /year (50,500 m ³ in 05 years)		
20. Proposed Production/year	10,100 m ³		
21. Sanctioned Period of Mine lease	Mining Plan submitted for EC for 1 st 5 years of sanctioned mining lease of max. 20 years		
22. Production of mine/day	36.72 m ³ /day		
23. Method of Mining	Open Cast semi-mechanized		
24. No. of working days	275 days		
25. Working hours/day	8 hours		
26. No. Of workers	Approximately 55 labours		
27. No. Of vehicles movement/day	03 units		
28. Type of Land	Government land (Non – Agricultural, Rocky, Waste		

	Upland.)	
29. Ultimate Depth of Mining	12 m (in 05 years)	
30. Nearest metalled road from site	MDR (Imliya-Ahraura-Chakiya) -0.80 km*(S)	
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)
	Drinking	0.51
	Suppression of dust	20.4
	Plantation	0.02
	Total	20.93 KLD
	Others (Stored water)	0.10
	Sub-Total	21.03
32. Name of QCI Accredited Consultant with QCI No and period of validity.	ENV Development Assistance Systems (I) Pvt. Ltd. NABET/EIA/1821/SA 102 and Valid till 25/02/2021.	
33. Any litigation pending against the project or land in any court	None	
34. Details of 500 m Cluster Map & certificate verified by Mining Officer	Cluster certificate issued by DMO Mirzapur Letter No.422/Khanij/2020 dated 22/07/2020	
35. Details of Lease Area in approved DSR	Serial No. 02, Page No.-18	
36. Proposed CER cost	2% of total project cost i.e. Rs.2,03,057/-	
37. Proposed EMP cost/ Total Project Cost	Rs 30,81,350/- & 1,01,52,850/-	
38. Length and Width of Haul Road	1.7 km Length and 7 m width	
39. No. of Trees to be Planted	40	

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

RESOLUTION AGAINST AGENDA NO-12

The committee discussed the matter and recommended to issue the additional terms of reference (ATOR) for the preparation of EIA.

Additional TOR:

1. Revised cluster certificate.
2. Copy of Final DSR.

13. Sand Stone Dimensional Mining at Arazi No.- 180/2, Serial No.- 20, Village- Bhagautidei, Tehsil- Chunar, District- Mirzapur, U.P., M/s Satya Naraian Singh Construction Pvt. Ltd., Area-1.21 ha. File No. 6113/Proposal No. SIA/UP/MIN/58439/2020

A presentation was made by the project proponent along with their consultant M/s ENV Development Assistance Systems (I) Pvt. Ltd. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Sand Stone Dimensional Mining at Arazi No.- 180/2, Serial No.- 20, Village- Bhagautidei, Tehsil- Chunar, District- Mirzapur, U.P., (Leased Area-1.21 ha.), M/s Satya Naraian Singh Construction Pvt. Ltd.
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/58439/2020		
2. File No. allotted by SEIAA, UP	6113		
3. Name of Proponent	M/s Satya Naraian Singh Construction Pvt. Ltd. Proprietor- Shri Satya Narayan Singh		
4. Full correspondence address of proponent and mobile no.	M/s Satya Naraian Singh Construction Pvt. Ltd. Proprietor- Shri Satya Narayan Singh S/o Shri Devraj Singh R/o Village- Narayanpur, Post- Chenari, District- Rohtas, Bihar- 821104		
5. Name of Project	Sand Stone Dimensional Mining		
6. Project location (Plot/Khasra/Gata No.)	Arazi No. 180/2, S. No. 20		
7. Name of River	It is a stone excavation project.		
8. Name of Village	Bhagautidei		
9. Tehsil	Chunar		
10. District	Mirzapur		
11. Name of Minor Mineral	Sand Stone Dimensional Mining		
12. Sanctioned Lease Area (in ha)	1.21 ha		
13. Mineable Area (in ha)	1.21 ha		
14. Zero level mRL	Project is free from any river, water reservoir or any of ponds etc.		
15. Max. & Min mrl within lease area	118 mRL and 116 mRL		
16. Pillar Coordinates (Verified by DMO)	Pillars	Latitude	Longitude
	Sanctioned Lease Area		
	A	25° 2'46.40"N	82°58'41.60"E
	B	25° 2'46.30"N	82°58'44.10"E
	C	25° 2'42.20"N	82°58'44.90"E
	D	25° 2'42.40"N	82°58'42.20"E
17. Total Geological Reserves	4,11,840 m ³		
18. Total Mineable Reserves in LOI	12,100 m ³ /year		
19. Total Proposed Production	12,100 m ³ /year (60,500 m ³ in 05 years)		
20. Proposed Production/year	12,100 m ³		
21. Sanctioned Period of Mine lease	Mining Plan submitted for EC for 1 st 5 years of sanctioned mining lease of max. 20 years		
22. Production of mine/day	44 m ³ /day		
23. Method of Mining	Open Cast semi-mechanized		
24. No. of working days	275 days		
25. Working hours/day	8 hours		
26. No. Of workers	Approximately 55 labours		
27. No. Of vehicles movement/day	04 units		
28. Type of Land	Government land (Non – Agricultural, Rocky, Waste Upland.)		
29. Ultimate Depth of Mining	12 m		
30. Nearest metalled road from site	MDR (Imliya-Ahraura-Chakiya) -0.40 km*(NE)		
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)	
	Drinking	0.51	
	Suppression of dust	6.0	
	Plantation	0.03	
	Total	6.54 KLD	
	Others (Stored water)	0.10	
	Sub-Total	6.64 KLD	
32. Name of QCI Accredited Consultant with QCI No and period of validity.	ENV Development Assistance Systems (I) Pvt. Ltd. NABET/EIA/1821/SA 102 and Valid till 25/02/2021.		
33. Any litigation pending against the project or land in any court	None		
34. Details of 500 m Cluster Map & certificate	Cluster certificate issued by DMO Mirzapur		

verified by Mining Officer	Letter No.423/Khanij/2020 dated 22/07/2020
35. Details of Lease Area in approved DSR	Serial No. 24, Page No.-18
36. Proposed CER cost	2% of total project cost i.e. Rs.1,63,488/-
37. Proposed EMP cost/ Total Project Cost	Rs 11,02,938/- & 81,74,438/-
38. Length and Width of Haul Road	0.50 km Length and 7 m width
39. No. of Trees to be Planted	50

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

RESOLUTION AGAINST AGENDA NO-13

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

14. Sand Stone Dimensional Mining at Arazi No.- 732, Serial No.- 18, Village- Bhagautidei, Tehsil- Chunar, District- Mirzapur, U.P., M/s Satya Naraian Singh Construction Pvt. Ltd., Area-1.01 ha. File No. 6114/Proposal No. SIA/UP/MIN/58437/2020

A presentation was made by the project proponent along with their consultant M/s ENV Development Assistance Systems (I) Pvt. Ltd. The proponent, through the documents submitted and the presentation made informed the committee that:-

1. The environmental clearance is sought for Sand Stone Dimensional Mining at Arazi No.- 732, Serial No.- 18, Village- Bhagautidei, Tehsil- Chunar, District- Mirzapur, U.P., (Leased Area-1.01 ha.), M/s Satya Naraian Singh Construction Pvt. Ltd.
2. Salient features of the project as submitted by the project proponent:

1. On-line proposal No.	SIA/UP/MIN/58437/2020			
2. File No. allotted by SEIAA, UP	6114			
3. Name of Proponent	M/s Satya Naraian Singh Construction Pvt. Ltd. Proprietor- Shri Satya Narayan Singh			
4. Full correspondence address of proponent and mobile no.	M/s Satya Naraian Singh Construction Pvt. Ltd. Proprietor- Shri Satya Narayan Singh S/o Shri Devraj Singh R/o Village- Narayanpur, Post- Chenari, District-Rohtas, Bihar- 821104			
5. Name of Project	Sand Stone Dimensional Mining			
6. Project location (Plot/Khasra/Gata No.)	Arazi No. 732, S. No. 18			
7. Name of River	It is a stone excavation project.			
8. Name of Village	Bhagautidei			
9. Tehsil	Chunar			
10. District	Mirzapur			
11. Name of Minor Mineral	Sand Stone Dimensional Mining			
12. Sanctioned Lease Area (in ha)	1.01 ha			
13. Mineable Area (in ha)	1.01 ha			
14. Zero level mRL	Project is free from any river, water reservoir or any of ponds etc.			
15. Max. & Min mRL within lease area	108 mRL and 102 mRL			
16. Pillar Coordinates (Verified by DMO)	Pillars	Latitude	Longitude	

	Sanctioned Lease Area			
	A	25° 3'14.10"N	82°59'14.80"E	
	B	25° 3'13.80"N	82°59'12.70"E	
	C	25° 3'9.00"N	82°59'13.40"E	
	D	25° 3'9.10"N	82°59'15.10"E	
17. Total Geological Reserves	3,69,375 m ³			
18. Total Mineable Reserves in LOI	10,100 m ³ /year			
19. Total Proposed Production	10,100 m ³ /year (50,500 m ³ in 05 years)			
20. Proposed Production/year	10,100 m ³			
21. Sanctioned Period of Mine lease	Mining Plan submitted for EC for I st 5 years of sanctioned mining lease of max. 20 years			
22. Production of mine/day	36.72 m ³ /day			
23. Method of Mining	Open Cast semi-mechanized			
24. No. of working days	275 days			
25. Working hours/day	8 hours			
26. No. Of workers	Approximately 55 labours			
27. No. Of vehicles movement/day	03 units			
28. Type of Land	Government land (Non – Agricultural, Rocky, Waste Upland.)			
29. Ultimate Depth of Mining	12 m (in 05 years)			
30. Nearest metalled road from site	MDR (Imliya-Ahraura-Chakiya) -0.40 km*(S)			
31. Water Requirement	PURPOSE	REQUIREMENT (KLD)		
	Drinking	0.51		
	Suppression of dust	9.36		
	Plantation	0.02		
	Total	9.89 KLD		
	Others (Stored water)	0.10		
	Sub-Total	9.99 KLD		
32. Name of QCI Accredited Consultant with QCI No and period of validity.	ENV Development Assistance Systems (I) Pvt. Ltd. NABET/EIA/1821/SA 102 and Valid till 25/02/2021.			
33. Any litigation pending against the project or land in any court	None			
34. Details of 500 m Cluster Map & certificate verified by Mining Officer	Cluster certificate issued by DMO Mirzapur Letter No.421/Khanij/2020 dated 22/07/2020			
35. Details of Lease Area in approved DSR	Serial No. 04, Page No.-18			
36. Proposed CER cost	2% of total project cost i.e. Rs.1,78,197/-			
37. Proposed EMP cost/ Total Project Cost	Rs.15,63,350/- & Rs.89,09,850/-			
38. Length and Width of Haul Road	0.57 km Length and 7 m width			
39. No. of Trees to be Planted	40			

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

RESOLUTION AGAINST AGENDA NO-14

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

15. Proposed Development of “Ganga Expressway” from Meerut to Prayagraj” an Access Controlled Greenfield Expressway Project. File No. 6186/Proposal No. SIA/UP/NCP/60685/2021

RESOLUTION AGAINST AGENDA NO-15

The committee discussed the matter and directed the project proponent to revise the presentation in the light of standard TOR points and additional points if any pertaining to the “development of Ganga Expressway from Meerut to Prayagraj” and present before the SEAC. The affidavit for CPA should also be provided at the time of appraisal.

16. Earth (Soil) Excavation at Gata No.-1755 Mi, located at Village- Mawar, Tehsil- Bhognipur, Kanpur Dehat., M/s Siddhi Brick Field, Area:0.4090 Ha. File No. 5697/Proposal No. SIA/UP/MIN/ 157325/2020

RESOLUTION AGAINST AGENDA NO-16

The committee noted that the ultimate depth of mining is less than 02 m. Hence, the environmental clearance for the above project proposal is not required as per MoEF&CC, GOI notification S.O. 1224(E) dated 28/03/2020 and Environment, Forest & Climate Change, Section -7, Government of UP G.O. No. 446/81-7-2020-39(parya)/2014 TC-1 dated 01/05/2020.

17. Sand/Morrum Mining from Ken Riverbed, in Khand No.-03, Gata No.-Part of 100, at Village- Khapatiha, Tehsil-Pailani, Banda, Area: 16.0 ha. File No. 5310/4564/Proposal No. SIA/UP/MIN/48227/2018

The committee noted that the matter was earlier discussed in 441st SEIAA meeting dated 13/01/2021 and directed as follows:

“SEIAA noted that SEAC has recommended to grant EC to the above project. SEIAA gone through the file, documents and found that in LOI and application the name of project proponent is mentioned as Devesh Mishra whereas in the minutes of SEAC meeting the name is mentioned as Jag Narayan Singh. Hence SEIAA opined that the matter shall be refer back to SEAC for review/comments.”

RESOLUTION AGAINST AGENDA NO-17

As per the direction of SEIAA, the matter was listed in 525th SEAC meeting dated 19/02/2021. The project proponent submitted their replies vide letter 22/01/2021 & 19/02/2021 through which they have informed that due to typographical error the name of the project proponent has been wrongly mentioned as Shri Jag Narayan Singh instead of Shri Devesh Mishra in the minutes of 518th SEAC meeting dated 05/01/2021. The project proponent requested to grant the environmental clearance is favour of Shri Devesh Mishra, M/s J.S. Enterprises.

The committee went through the file and documents and found the reply is satisfactory. The SEAC again recommended to grant the environmental clearance for the project proposal along with general and specific conditions earlier stipulated in 518th SEAC meeting dated 05/01/2021.

18. Yamuna River Sand/ Bajari/ Boulder Mining at Khand No.-01, Village- Bartha Korsi, Tehsil- Behat, District- Saharanpur, U.P., Shri Deepak Chaudhari, M/s Star Mines, Area 36.00 Ha. के सम्बन्ध में श्री प्रमोद पुत्र श्री रणजीत, 131, ग्राम-वरसी, टिकरोल, सहारनपुर की शिकायत पर विचार-विमर्श। File No. 5989/5653/Proposal No. SIA/UP/MIN/58603/2020

RESOLUTION AGAINST AGENDA NO-18

The committee noted that as per record available in the file it seems that Shri Pramod, S/o Shri Ranjeet, House No. 131, Village-Warsi Tikrol, Saharanpur has sent complaint dated 10/10/2020 (received in Directorate of Environment on 15/10/2020). The point mentioned in this complaint was resolved in public hearing dated 19/10/2020.

Further, Shri Pramod has sent a complaint dated 27/11/2020 (received in Directorate of Environment on 11/12/2020). Wherein, Shri Pramod has repeated same allegation during public hearing meeting. Since, all the points raised in the complaint has already been clarified by District Magistrate, Saharanpur previously. Therefore, there is no merit in entertaining the complaint dated 27/11/2020 of Shri Pramod. Accordingly, the complaint is disposed.

In view of above, the committee recommended to grant the environmental clearance for the project proposal along with general and specific conditions earlier prescribed in 509th SEAC meeting dated 09/12/2020.

(Dr. Virendra Misra)
Member

(Dr. Pramod Kumar Mishra)
Member

(Dr. Ranjeet Kumar Dalela)
Member

(Shri Meraj Uddin)
Member

(Dr. Ajoy Mandal)
Member

(Shri Rajive Kumar)
Member

(Dr. Sarita Sinha)
Member/Chairperson

(Dr. S.N. Singh)
Chairman

Annexure-1

Terms of Reference for the Mining Project

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

this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.

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

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

allocations.

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