

Minutes of 479th SEAC Meeting Dated 27/07/2020

The 479th meeting of SEAC was held through video/teleconferencing/ email in view of the Corona Virus Disease (Covid-19) on 27/07/2020. Following members participated in the online meeting:

1.	Dr. (Prof.) 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.	Prof. S.K. Upadhyay,	Member
9.	Shri Merajuddin,	Member

The Chairman welcomed the members to the 479th SEAC meeting.

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

1. Establishment of Clinker Grinding Unit of capacity: 2 MTPA and DG Set of 1.5 MW at Village-Dhauha, Paragana- Sakteshgarh, Tehsil- Chunar, District- Mirzapur, U.P. of M/s Eco Plus Cement Chunar Pvt. Ltd. File No. 5712/Proposal No. SIA/UP/IND/54294/2020

A presentation was made by the project proponent along with their consultant M/s J.M. Enviro Net Pvt. Ltd. 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 MTPA and DG Set of 1.5 MW at Village-Dhauha, Paragana- Sakteshgarh, Tehsil- Chunar, District- Mirzapur, U.P. of M/s Eco Plus Cement Chunar Pvt. Ltd.

2. Project site details:

S.No.	Particulars	Details
	Location Details	
1.	Village	Dhauha
2.	Pargana	Sakteshgarh
3.	Tehsil	Chunar
4.	District	Mirzapur
5.	State	Uttar Pradesh
B.	Geographical Co-ordinates	
1.	Latitude	25° 3'8.78" N to 25° 3'19.40" N
2.	Longitude	82°53'35.32" E to 82°53'45.04" E
3.	Toposheet No.	63 K/16 and 63 L/13
C.	Area Details	
1.	Total Project area	4.99 ha (12.3 acres)
2.	Greenbelt & Plantation area	1.64 ha (~33 % of the total project area)

3. Salient features of the project:

S. No.	Particulars	Requirement	Source
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A.	Basic Requirements		
1.	Water Requirement	128 KLD	Ground water
2.	Power Requirement	8.5 MW	UP State Electricity Board and DG set for Emergency
3.	Manpower Requirement	Implementation Phase : 500 Persons	Unskilled / Semi-skilled - local area, Skilled - outside/ local
		Operation Phase : 170 Persons	
B.	Cost Details		
1.	Total Cost of the Project	Rs. 175 Crores	
2.	Cost for Environmental Protection Measures		
(i).	Capital Cost	Rs. 2.5 Crores	
(ii).	Recurring Cost / annum	Rs. 0.10 Crores / annum	

4. Raw material details:

S. No.	Name of Raw Material	Quantity (MTPA)	Source	Distance & Mode of Transportation
1.	Clinker	1.25	Cement Plants situated in Satna District	250 km, Road
2.	Gypsum	0.070	Imported from Bhutan via Haldia Port	1150 km, Road
3.	Fly ash	0.68	Renukoot, U.P.	145 km, Road

5. Proposed machinery details:

S. No.	Description	Unit	Capacity
(A)	Grinding System		
1.	VRM (Vertical Roller Mill)	1	300 TPH
2.	HRP (Hydraulic Roller Press)	1	300 TPH
3.	Ball mill	2 Nos	2 x 150 TPH
(B)	Packing Plant		
1.	Packer	3 Nos	180 TPH
2.	Truck Loaders	9 Nos	90 TPH

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

RESOLUTION AGAINST AGENDA NO-01

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

- 1) An affidavit should be provided to show that the area does not fall in CEPI.
- 2) Wind rose diagram, location of monitoring station and period of monitoring (December to February, 2020-21) 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, manpower 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 NAQQM 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

2. Expansion of Existing Tannery Unit from Capacity of 4.5 TPD of finished leather (wet blue to finished leather) to 5 TPD of Finished Leather (Raw To Finished Leather) at Plot No.-A-3/2 & A-3/3, Jainpur Industrial Area, Tehsil-Akbarpur, Kanpur Dehat, U.P., M/s Tirubala Exports (India) Pvt. Ltd. File No. 5713/Proposal No. SIA/UP/IND/ 54278/2020

RESOLUTION AGAINST AGENDA NO-02

The Directorate/Secretariat informed the committee that TOR has already been issued in this case. Hence, the matter is disposed off.

3. Proposed Molasses / Grain based Distillery of Capacity 60 KLD (Rectified spirit/Extra Neutral Alcohol/Absolute Alcohol) along with 2.5 MW Co-Generation Power Plant at Village-Firozpur Hafiz, Block & Tehsil- Bijnor, District- Bijnor, U.P., M/s Mohit Petrochemicals Private Limited. File No. 5716/Proposal No. SIA/UP/IND2/54372/2020

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 Proposed Molasses / Grain based Distillery of Capacity 60 KLD (Rectified spirit/Extra Neutral Alcohol/Absolute Alcohol) along with 2.5 MW Co-Generation Power Plant at Village-Firozpur Hafiz, Block & Tehsil- Bijnor, District- Bijnor, U.P., M/s Mohit Petrochemicals Private Limited.
2. Salient features of the project:

Sr. No.	Attributes	Project Details	
1	Name of the project	Proposed Molasses / Grain based distillery of capacity 60 KLD along with 2.5 MW Co-Generation Power Plant {Proposed plant either run on 100 % Molasses or 100% Grain, depend on the availability of raw material (only one at a time, either Molasses or grain)}.	
2	Location of the project	Village: Firozpur Hafiz, Block & Tehsil: Bijnor, District: Bijnor, Uttar Pradesh.	
3	Project Area	22 Acre (8.9 hectare) (Land is already acquired by the unit)	
4	Total project cost	2500 lakhs	
5	No. of working days	360 Days/Annum	
6	Process Involve	Dilution, Fermentation, Distillation.	
7	Category of Project	Category : B and Schedule : 5 (g)	
8	Green belt development	2.9 Hectare (33 % of Total Project area)	
9	Cost towards Environmental protection measures (Capital cost)	Rs. 500 Lakhs	
10	Recurring cost towards Environmental control measures.	Rs. 100 Lakhs	
11	Corporate Environmental Responsibility (CER)	25 Lakhs (@ 1.0 % of capital investment), as per Office Memorandum No. F.No.22-65/2017-IA.III dated 1st May 2018 as project is green field.	
11.1	Cost towards Corporate Social Responsibility (CSR)	2% of total annual Profit as per the CSR Act (By Ministry of corporate affairs) Notification GSR 129 (E).	
12	Raw Material Requirement	Mode 1: During Molasses based operation	Mode 2: During Grain based operation
		Molasses: 270 MT/DAY	Grain: 150 MT/DAY
13	Boiler	20 TPH slop fired boiler	
14	Fuel Requirement	Mode 1: During Molasses Based Operation	Mode 2: During Grain Based Operation
		120 KLD Slop along with Bagasse/Biomass: 284 TPD will be used as fuel during molasses based operation.	312 TPD Bagasse/rice husk will be used as Fuel for Boiler Bagasse will be procured from Local Sugar Mills and rice husk will be from local market. Bagasse/Rice Husk will be stored in covered sheds.
15	Air Pollution Control System	Wet scrubber will be provided with Stack of height 31 meters in order to control dust emissions from 20 TPH Boiler.	

16	Steam Requirement	Mode 1: During Molasses based operation	Mode 2: During Grain based operation	
		16 TPH	18 TPH (The steam requirement for the proposed distillery plant will be met from 20 TPH boiler,	
		Note: Steam requirement will be met from existing 40 TPH boiler of existing adjacent distillery unit -1.		
17	Power Requirement	2 MW		
18	Fresh Water Requirement	Mode 1: During Molasses based operation	Mode 2: During Grain based operation	
		360 KLD (@ 6.0 KL/KL of Products) (Net fresh water requirement after recycling)	354 KLD (@ 5.9 KL/KL of products) (Net fresh water requirement after recycling)	
		Domestic Water Requirement:20 KLD		
19	Source of water	Tube well		
20	Waste Water Generation	Spent Wash 360 KLPD @ 6KL/KL of Product Other Effluents: 460 KLD	Spent wash : 420 KLD (@ 7 KL/KL of Product) Other Effluents: 353 KLD	
21	Waste Water Treatment Scheme	Zero liquid discharge, 100% recycling and reuse will be done.		
22	Waste Water Treatment Strategy	Mode 1: During Molasses based operation	Mode 2: During Grain based operation	
		For Spent wash : MEE + Incineration (Slop fired Boiler) will be installed. For Other effluent: Process Condensate Polishing Plant will be installed for treatment of various other effluents (Condensate, Lees, Floor washing, Blow downs).	Spent Wash Treatment: Spent wash from the bottom of the column will be fed to decanter. Decantation section comprises of decanter centrifuge for separation of suspended Solid from Spent Wash (SLOP). Supernatant will be concentrated in MEE and the reject from MEE [Slop (Thick Syrup)] will be mixed with Wet Cake of Decanter, then dried in DWGS dryer and Dried Solid will be sold as cattle feed. Other Effluent treatment: Will be treated in Condensate Polishing Plant (CTU) and 100% recycling will be done.	
		For Domestic waste septic tank and soak pit will be installed.		
23	Solid Waste Generation and its management	During Grain based operation		
		Particular	Quantity	Management
		Ash generation	5.6 MT/Day	Ash generated will be utilized as manure due to high organic and potash content.
		Fermenter Sludge	8 MT/Day	Will be used as manure along with ash.
		Grain Residue cattle feed	46 MT/Day	Will be used as cattle feed.
		During Molasses based operation		
		Particular	Quantity	Management
		Ash generation	46 MT/Day	Ash generated will be utilized as manure due to high organic and potash content.
		Fermenter Sludge	10 MT/DAY	Will be used as manure along

			with ash.
24	Employment generation	Direct employment:30 persons Indirect employment: 70 persons	

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

RESOLUTION AGAINST AGENDA NO-03

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. Executive Summary.
2. Introduction:
 - i. Details of the EIA Consultant including NABET accreditation
 - ii. Information about the project proponent
 - iii. Importance and benefits of the project.
3. 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, manpower requirement (regular and contract)
 - viii. Process description along with major equipment 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 2006 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.
4. 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.
5. 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. Land use 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.
6. Environmental Status:
- i. Determination of atmospheric inversion level at the project site and site-specific micrometeorological 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 NAQQM 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.
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 - 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
7. Impact and Environment Management Plan
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 - 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 touse 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.
8. 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.
9. 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
10. 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.
11. Enterprise Social Commitment (ESC):
- 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.
12. 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.
13. A tabular chart with index for point wise compliance of above TOR.
- A. Specific Terms of Reference for EIA studies for distilleries:
1. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
 2. Number of working days of the distillery unit.
 3. Details of raw materials such as molasses/grains, their source with availability.
 4. Details of the use of steam from the boiler.
 5. Surface and Ground water quality around proposed spent wash storage lagoon, and compost yard.
 6. Plan to reduce spent wash generation within 6-8 KL/KL of alcohol produced.
 7. Proposed effluent treatment system for molasses/grain based distillery (spent wash, spent lees, condensate and utilities) as well as domestic sewage and scheme for achieving zero effluent discharge (ZLD).
 8. Proposed action to restrict fresh water consumption within 10 KL/KL of alcohol production.
 9. Details about capacity of spent wash holding tank, material used, design consideration. No. of piezometers to be proposed around spent wash holding tank.
 10. Action plan to control ground water pollution.
 11. Details of solid waste management including management of boiler ash, yeast, etc. Details of incinerated spent wash ash generation and its disposal.
 12. Details of bio-composting yard (if applicable).
 13. Action plan to control odour pollution.
 14. Arrangements for installation of continuous online monitoring system (24x7 monitoring device).

4. Common Bio-medical Waste Treatment Facility at Village-Visahnpur, Block-Hasangarh, Tehsil-Iglas, Aligarh., M/s Indo Tech Waste Solution. File No. 5722/Proposal No. SIA/UP/MIS/54535/2020

A presentation was made by the project proponent. The committee discussed the matter and directed the project proponent to submit following information:

1. Letter from CMO/Pollution Control Board, Aligarh regarding the feasibility/requirement of Common Biomedical Waste Treatment Facility at the proposed site.
2. PP/Consultant should provide the details of other bio medical waste facility within 75 Km radius of the proposed site.
3. The NGT O.A. no. 450/2019 (IA no. 313/2019) order dated 23/01/2020 regarding suspension of some of the bio medical facility should be clarified.
4. Some of the documents were not present in the office file.

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

5. Common Bio-medical Waste Management and Recycling Facility at Khasra No.-18 Kha/01, Village-Kuruhul, District-Sonbhadra, U.P., M/s Sonbhadra Common Bio-medical Solution. File No. 5726/Proposal No. SIA/UP/MIS/54644/2020

A presentation was made by the project proponent. The proponent, through the documents submitted and the presentation, made informed the committee that:-

1. The environmental clearance is sought for Common Bio-medical Waste Management and Recycling Facility at Khasra No.-18 Kha/01, Village-Kuruhul, District-Sonbhadra, U.P., M/s Sonbhadra Common Bio-medical Solution.
2. Salient features for the project:

Sr No	Particulars	Details
1	Nature and Size of Project	Common Biomedical Waste Treatment Facility Capacity : 300 kg / hr Project Cost : 242 Lakhs
2	Category of the Project	As per EIA Notification dated 14 th Sep., 2006 as amended from time to time; the project falls in Category 'B', Project or Activity – 7 (d)(a).
3	Locations Details	
	Khasra No	18 Kha/01, village – Kuruhul, Tehsil – Robertsganj, Distt – Sonbhadra (UP)
	Village / Town	Kuruhul
	Tehsil	Robertsganj
	District	Sonbhadra
	State	Uttar Pradesh
	Latitude	24°33'53.73"N
	Longitude	82°58'55.69"E
	Topo sheet No	63P/2 & 63L/14
4	Total Plant Area	Total land for proposed CBWTF – 0.75 Hectare
	Greenbelt / Plantation Area	~33% of the project area will be covered under green belt plantation of 0.24 Hectare.
5	Category of Project	Category : B - 1 and Schedule : 7 (d) (a)
6	Process Involve	CBWTF Process : 1. Segregation, 2. Collection, 3. Transportation, 4. Disinfection, 5. Destruction, 6. Disposal (Incineration).
7	Waste Material	Yellow, Red, White and Blue category Biomedical waste generated during the diagnosis, treatment or immunization of human beings or animals or

		research activities pertaining thereto or in the production or testing of biological or in health camps etc from Health Care Facilities.
8	Number of beds in nearby areas	11243 beds in Sonebhadra, Mirzapur, Mugal sarai, Chandauli & Varanasi etc.
9	Man Power Requirement	During Construction Phase – 45 Nos During Operation Phase – 20 Nos.
10	Water Requirement	13 KLD Source : From Bore well.
11	Waste Water generation	4.0 KLD
12	Waste Water treatment	Waste water generated will be treated in ETP of capacity 10 KLD, which will comprises of : 1.Collection Tank, 2. Feeding Pump, 3. Chemical Dosing tank, 4. Equalization Tank, 5. Primary Reaction cum Settling Tank, 6. Secondary Reaction cum Settling Tank, 7. Collection Tank, 8. Activated Dual Media Filter
11	Power requirement	The total power requirement for the project will be 79.39 KWH. Source: Uttar Pradesh State Electricity Board. Power Backup : DG set of capacity – 100 KVA.
12	Fuel and its quantity	Diesel : 50 Lit / hr
13	Plant and Machinery	Incinerator 300 Kg/Hr Autoclave 2.0 MT/Day Shredder 3.3 Ton Effluent treatment Plant 10 KLD
14	Air Pollution Control Device	Venturi Scrubber will be install as Air Pollution Control System , Emission from the stack will be within CPCB norms. Online Monitoring Systems – Air : Real-time monitoring station will be installed and the stack emission readings will be continuously transferred to CPCB and UPPCB.
15	Number of Stack	01 No of stack height : 30 meters of Mild Steel above ground level.
16	Green Belt Development	Approx. 33 % (approx : 0.24 Ha) of total area will be develop as green belt.
17	Cost towards Environmental Protection measures (capital cost)	82.4 Lakh (it include Waste water treatment system, Incinerator, APCS, Green Belt, Health Safety equipment, Online Monitoring System etc)
18	Recurring cost towards Environmental control measures	20 Lakh per year.
20	Corporate Environmental Responsibility (CER)	Approx. : 5 Lakhs (Within Five (05) year from the date of start of construction work).
21	Solid Waste Generation	Approx – 48 Kg – 72 kg /Day Disposal : Will be sent to TSDF for Land fill.

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

RESOLUTION AGAINST AGENDA NO-05

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. PP/Consultant should provide the details of other bio medical waste facility within 75 Km radius of the proposed site.
2. Letters from CMO/Pollution Control Board, Sonebhadra regarding feasibility/requirement of Common Biomedical Waste Treatment Facility at the proposed site.
3. Land conversion certificate from competent authority.
4. Common biomedical waste inventory should be provided.
5. The EIA report should address regarding the disposal of covid-19 waste as per the latest guidelines.
6. Baseline data of post monsoon period October to December, 2020 should be submitted.
7. Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in

terms of environmental damages, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.

8. Submit the details of the road/rail connectivity along with the likely impacts and mitigative measures.
9. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
10. Executive summary of the project – giving a prima facie idea of the objectives of the proposal, use of resources, justification, etc. In addition, it should provide EMP.
11. Land requirement for the facility including its break up for various purposes, its availability and optimization.
12. Details of proposed layout clearly demarcating various activities such as security. Waste Storage Rooms, Waste Treatment Equipment Rooms/Areas, Treated Waste Storage Room, Pollution Control Devices like APCS and ETP, ash storage/disposal area, vehicle washing areas, and others such as admin area, worker's room, health centers, greenbelt, etc.
13. Details on collection and transportation of Bio Medical Waste from health care establishments, No. of vehicles and feature of vehicles, etc.
14. Details of the treatment equipment's capacity and make. Details of the incineration system – a statement on the compliance to the CPCB guidelines for common bio medical waste incinerators in respect of waste feed cutoffs, operating parameters of combustion chambers, flue gas cleaning, ash handling, etc. Details on fuel requirement for incineration. Details on flue gas emissions discharge through stack and proposed pollution control technologies. Details on residue/ash generation and management. Details of waste heat utilization, if any. Details on wastewater management alongwith zero discharge plans as committed by the project proponent.
15. Details of the proposed overall safety and health protection measures and submit specific programme.
16. Details on source of water and power supply.
17. Details of the existing access road(s)/walkways to the designed operations in the site and its layout.
18. Location of the incineration facility and nearest habitats with distances from the facility to be demarcated on a toposheet (1: 50000 scale).
19. Land use map based on satellite imagery including location specific sensitivities such as national parks / wildlife sanctuary, villages, industries, etc.
20. Topography details.
21. Surface water quality of nearby water bodies.
22. Details on proposed groundwater monitoring wells, locations, frequency of monitoring, parameters, etc.
23. 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 as above shall be submitted to the authority alongwith list of beneficiaries with their mobile nos./address.
24. Action plan for the greenbelt development in accordance to CPCB published guidelines.
25. Details on pollution control technologies and online monitoring equipments.
26. Details on monitoring of pollutants at source –performance of the incinerator. Including operating hours, fuel consumption, operating parameters (Combustion chamber – temperature, pressure, Stack temperature, total particulate matter, HCl, NOx as per Bio Medial Waste (Management & Handling) Rules 1998.
27. Stack and fugitive emissions may be monitored for SPM, SO₂ & NOx as per Bio Medical Waste (Management & Handling) Rules 2016.
28. Details of Administrative and technical organizational structure.
29. EMP devised to mitigate the adverse impacts of the project should be provided along with item-wise cost of its implementation (Capital and recurring costs).
30. Details of the emergency preparedness plan and on-site & off-site disaster management plan.
31. Affidavit to be submitted for the actual surveys done with detailed photographs of monitoring etc.
32. NOC from UPPCB shall be taken and submitted to SEAC before submission of EIA report.
33. Examine the details of transportation of Hazardous wastes, and its safety in handling.
34. Examine and submit the details of on line pollutant monitoring.

35. Examine the details of monitoring of Dioxin and Furon.
36. MoU for disposal of ash through the TSDF.
37. MoU for disposal of scrubbing waste water through CETP.
38. Examine and submit details of monitoring of water quality around the landfill site.
39. Examine and submit details of the odour control measures.
40. Examine and submit details of impact on water body and mitigative measures during rainy season.
41. Environmental Management Plan should be accompanied with Environmental Monitoring Plan and environmental cost and benefit assessment. Regular monitoring shall be carried out for odour control.
42. Water quality around the landfill site shall be monitored regularly to examine the impact on the ground water.
43. The storage and handling of hazardous wastes shall be as per the Hazardous Waste Management Rules.
44. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
45. Public hearing to be conducted for the project in accordance with provisions of Environmental Impact Assessment Notification, 2006 and the issues raised by the public should be addressed in the Environmental Management Plan. The Public Hearing should be conducted based on the ToR letter issued by the SEIAA.
46. A detailed draft EIA/EMP report should be prepared in accordance with the above additional TOR and should be submitted to the Ministry in accordance with the Notification.
47. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
48. The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.

The final EIA report after incorporation of public hearing observations/comments should be submitted to the committee for further consideration of the matter.

6. Group Housing "Sushant Aquapolis" at Village- Doondaherra, Tehsil- Loni, Ghaziabad, U.P., M/s Ansal Properties & Infrastructure Ltd. File No. 5715/Proposal No. SIA/UP/NCP/54355/2020

RESOLUTION AGAINST AGENDA NO-06

The committee noted that the standard terms of reference (TOR) is already issued through online portal of MoEF&CC, GoI. Hence, the matter is disposed off.

7. Expansion of Group Housing "Shere Shalimar Mannat" at PKhasra No.- 52, 53, 54A, 54B, 55, 59, 105, 110-119, 121, 123-128, 131, 139-144, at Village-Muhammadpur Nawabgani, Barabanki, U.P., M/s Shalimar Corp. Ltd. File No. 5724/Proposal No. SIA/UP/NCP/54558/2020

RESOLUTION AGAINST AGENDA NO-07

The committee noted that the standard terms of reference (TOR) is already issued through online portal of MoEF&CC, GoI. Hence, the matter is disposed off.

8. Group Housing Project at Khasra No.-656, Sector-2 C, Vasundhara, District-Ghaziabad, U.P., M/s Metro Suites Homes LLP. File No. 5718/Proposal No. SIA/UP/MIS/127561/2019

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

1. The environmental clearance is sought for Group Housing Project at Khasra No.-656, Sector-2 C, Vasundhara, District-Ghaziabad, U.P., M/s Metro Suites Homes LLP.
2. Salient features of the project:

Sr. No.	PARTICULARS	DETAILS
1.	Plot Area	3529.86 sqm
2.	Total Built up Area	22256.00 sqm
3.	No. of Floors	B+S+25
4.	Estimated Population	845 individuals; DU -146
5.	Total water requirement	69 KLD
6.	Waste water generation	56 KLD
7.	STP capacity	68 KLD
8.	Total Power Requirement	630.14 KW
9.	Total Power Backup	1 * 100 KVA +1 * 180 KVA
10.	Total solid waste generated	386.45 kg/day
11.	Parking Details (in ECS)	165 ECS
12.	RWH pits	1 pits
13.	Project Cost	Approx. 92 Crs

3. Area details of the project:

S. NO.	Particular	Proposed (in sqm)	Area	In %
1	Plot Area	3529.86		100.00
2	Permissible Ground Coverage (40 % of plot area)	1411.94		
3	Proposed Ground Coverage (29.81 % of plot area)	1052.25		29.81
5	Proposed Green area	890.48		25.22
6	Surface Parking	1,587.13		44.96
7	Permissible FAR (7(a)+7(b)+7(c))	14346.58		
7(a)	Permissible FAR @2.5	8824.65		
7(b)	50% Purchasable FAR of @ 2.5 Basic FAR @1.25	4412.33		
7(c)	Incentive FAR for EWS and LIG (10% of 76 sqmt x 146 DU's)	1109.60		
8	Proposed Residential FAR	14165.64		
9	Permissible Commercial FAR (1 % of Basic and Purchasable FAR=1% of 3.75* plot area)	132.37		
10	Proposed Commercial FAR (as Convenient shop)	131.85		
11	Total FAR Proposed (8+ 10)	14297.49		
12	Total Non FAR (12(a)+12(b))	7958.51		
12(a)	Residential Non FAR (Cupboard + Shaft Area + Lift + Lobby Area + Community area + terrace + Stilt + Basement +Fire staircase area + Balcony area)	7878.51		
12(b)	Other amenities (Electrical sub-station+ guard room+ garbage collection Chamber)	80.00		
13	Built Up Area (11+12)	22,256.00		
14	Maximum Building height	84.20 m		

4. Population details:

S.No	Population	Dwelling Unit	Area	Density	Number of Population
1	Residential Population	146		5 person per dwelling unit	730
2	Staff Population			5 % of Residential population	37

3	Visitors Population			10% of Residential population	73
4	Commercial Population (as convenient shop)		131.85	1 person per 3 sqm of commercial area	44
4 (a)	Staff			10% of commercial population	4
5	Community population		188.66	1 person per 10 sqm of area	19
5 (a)	Staff			5 % of community population	1
Total					845

5. Water requirement details:

Sr. No.	Particular	Occupancy	Area (in sqm)	Water Demand (in lpcd)	Fresh Water	Treated Water	Total Water Demand (in m ³ /day)	Wastewater generation
1	Residential Population	730		86	47.45	15.33	62.78	53.29
2	Visitors population	73		15	0.27	0.83	1.10	1.04
3	Staff Population including commercial and community	42		30	0.31	0.95	1.42	1.2
4	Landscape Area		890.48	3.5 ltrs/sqm/day		3.12	3.12	
	Total	845			48.03 ~ 48	20.23 ~21	68.25 ~69	55.53 56

6. During the operational phase approximately 56 KLD of wastewater will be generated for which will be treated in 68 KLD STP. It is expected that approximately 45 KLD of treated water will be recovered from the STP.

7. Parking details:

S.N.	Parking Required		Area (m ²)	Number of ECS
1 (a)	Residential parking			156
1 (b)	Convenient shop parking	(@)1.25 ECS/100 m ²	131.85	2
1 (c)	Community area parking	(@) 1.25 ECS/100 m ²		3
	TOTAL REQUIRED 1(a)+1(b)+1(c)			160
2	Parking Provided		Area (m ²)	Number of ECS
2 (a)	Open Parking	23 m ² /ECS	1,587	69
2 (b)	Stilt floor parking	28 m ² /ECS	448	16
2 (c)	Basement Parking (mechanical)	16 m ² /ECS	1,280	80
	TOTAL PROPOSED 2(a)+2(b)+2(c)			165
	Visitors parking will be provided in basement & stilt	(@)10% of proposed parking		17

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

RESOLUTION AGAINST AGENDA NO-08

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. Solar energy to be used alternatively on the road and common places for illumination to save conventional energy as per ECBC Code.

2. 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.
3. 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.
4. 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.
5. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
6. 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.
7. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
8. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
9. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
10. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
11. 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.
12. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
13. 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).
14. 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.
15. 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.
16. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
17. 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.
18. 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.
19. 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.
20. 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.
21. No parking shall be allowed outside the project boundary.

22. 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.
 23. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
 24. 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.
 25. 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.
 26. 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.
 27. 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.
 28. 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.
 29. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
 30. 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.
 31. 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.
 32. All the internal drains are to be covered till the disposal point.
 33. 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.
 34. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.
9. **Expansion of Induction Furnace and Rolling Mills 53000 MT PA Induction furnace and 60000 MT TMT Bars to 2,25000 MT PA (115000 MT TMT Bars to 110000 MT TMT Bars), at Khasra No.-2074 & 2090, Village- Sujru, Muzaffarnagar., M/s Sarvottam Rolling Mills Pvt. Ltd. 5714/4629/Proposal No.SIA/UP/IND/160305/2020**

A presentation was made by the project proponent along with their consultant M/s Paramarsh Servicing Environment & Development. The committee discussed the matter and directed the project proponent to submit following information:

1. Details of exposure and specific health status evaluation of the workers on designed format is required.
2. Comparative chart of use of resources, pollution, demand of energy, water, power, workers, waste generation and pollution abatement equipment should be provided.
3. Environmental parameters including air & water to be rechecked.
4. Environmental cost benefit analysis should be properly described.

5. List of flora & fauna to be rechecked.
6. Photographs of present green belt at the site.
7. Determination of atmosphere inversion level at project site taking into consideration the meteorological parameters.
8. Plantation of 1500 trees/hectare is to be justified.

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

10. Residential Township at Village- Gopal Khera, Purseni, Tehsil- Mohan LalGANJ, District- Lucknow,U.P., M/s Omega Infrabuild Pvt. Ltd. 5530/Proposal No. SIA/UP/MIS/143078/2020

RESOLUTION AGAINST AGENDA NO-10

The committee observed that the PP/consultant has not submitted any document in the official file/circulation. Hence, the committee directed to defer the matter from the agenda and will be discussed only after submission of online information/request on prescribed portal.

11. Cement grinding unit project (Production 54000 Tons/annum) at Araji No.-158Mi, Village- Mai, Post-Rampur, Tehsil-Mariyahu, District-Jaunpur, U.P. M/s J.P. Cement & Chemicals. 5684/Proposal No. SIA/UP/IND/ 53627/2020

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

1. The environmental clearance is sought for Cement grinding unit project (Production 54000 Tons/annum) at Araji No.-158Mi, Village-Mai, Post-Rampur, Tehsil-Mariyahu, District-Jaunpur, U.P. M/s J.P. Cement & Chemicals.

2. Salient features of the project:

1	Name of the project	Cement Grinding Unit		
2	S. No. in the Schedule	3 (b)		
3	Name of Proponent	Jitendra Kumar Dubey S/o Shri Sabhapati Dubey		
4	Full correspondence address of proponent and mobile no.	Dhaurhara, Bhadohi, Sant Ravidas Nagar, U.P.-221401 Mobile No-9839234256 Email ID-jpcement2020@gmail.com		
5	On-line Proposal No.	SIA/UP/IND/53627/2020		
6	File No. allotted by SEIAA,UP	5684		
7	Project Site Address	Araji No.- 158 Mi At Village: Mai, Post- Rampur, Tehsil: Mariyahu, District: Jaunpur, Uttar Pradesh.		
8	Raw material	Clinker, Gypsum, and Fly Ash		
9	Plot Area (Sq M)	Total Area-0.135 Ha Plot Area-1339.94 Sqm		
10	Pillar Coordinates of the plant	Pillar No	Latitude N	Longitude E
		A	25°27'37.98"N	82°33'55.95"E
		B	25°27'39.47"N	82°33'56.52"E
		C	25°27'39.12"N	82°33'57.66"E
		D	25°27'37.68"N	82°33'57.18"E
11	Proposed Production	54,000 T.P.A.		
12	Production/day	180 Tonne		
13	Water Requirement	PURPOSE	REQUIREMENT (KLD)	
		Domestic/Labotary	2.50	
		Dust suppression @2 Lit/ Sqm	2.70	
		Plantation (45 Plant) @2	0.18	

		Lit/plant 2 times	
		Washing/Gardening	2.50
		Total	8.0 KLD Approximate
14	Source of Water	Water Tanker, Ground water & recycled water	
15	Nearest Metalled road from site	Jaunpur Bhadohi Road	
16	Energy Requirement	250 kvA from power corporation and DG of 250 kvA shall be installed	
17	Cost of Project	100/- Lacs	
18	CER Cost @2%	2/- Lacs	
19	No. of workers	52	
20	Name of River	Varuna River (2 Km towards SE Direction)	
21	Nearest Airport	Lal Bahadur Shashtri Airport- (30 Km towards E Direction)	
22	Nearest Railway Station	Jaunpur Railway Station-(36 Km towards NE Direction) Bhadohi Railway Station-(6 Km towards S Direction)	
23	Nearest Town	Bhadohi Railway Station-(7.5 Km towards S Direction)	
24	Type of Land	Non-Agriculture Land (Non-Industrial Area)	
25	No of Plat	45	
26	Solid waste details	2 T per Day	

3. Land use details:

Sr No.	Particulars	Area (Sq m)
1	Plot Area	1339.94
2	Covered Area (Ground Floor)	463.50
3	Open Area	403.86
4	Green Belt (34% of the plot area)	458.17

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

RESOLUTION AGAINST AGENDA NO-11

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) Title of the project is to be corrected.
- 2) Site photographs alongwith proposed data of monitoring should be provided.
- 3) An affidavit mentioning no construction on site is to be submitted.
- 4) Monitoring data October to December, 2020 should be provided.
- 5) Executive Summary.
- 6) Introduction:
 - i. Details of the EIA Consultant including NABET accreditation
 - ii. Information about the project proponent
 - iii. Importance and benefits of the project
- 7) 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.
- 8) 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
- 9) 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
- 10) 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, NO_x, 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 NAQQM 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.
- 11) 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.
- 12) 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.
- 13) 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
- 14) 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.
- 15) 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.
- 16) Limestone and coal linkage documents along with the status of environmental clearance of limestone and coal mines
- 17) Quantum of production of coal and limestone from coal & limestone mines and the projects they cater to;
- 18) 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.
- 19) 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.
- 20) If the raw materials used have trace elements, an environment management plan shall also be included.
- 21) Plan for the implementation of the recommendations made for the cement plants in the CREP guidelines must be prepared.
- 22) Energy consumption per ton of clinker and cement grinding.
- 23) Provision of waste heat recovery boiler.
- 24) Arrangement for use of hazardous waste.

(Dr. Virendra Misra)
Member

(Dr. Pramod Kumar Mishra)
Member

(Dr. Ranjeet Kumar Dalela)
Member

(Dr. Sarita Sinha)
Member

(Dr. Ajoy Mandal)
Member

(Shri Rajiv kumar)
Member

(Prof. S.K. Upadhyay,)
Member

(Shri Meraj Uddin)
Member

(Dr. (Prof.) S. N. Singh)
Chairman