

Minutes of 417th SEAC Meeting Dated 11/09/2019

The 417th meeting of SEAC was held in Directorate of Environment, U.P. on 11/09/2019 following members were present in the SEAC:

| | | |
|-----|----------------------------|----------|
| 1. | Dr. (Prof.) S.N. Singh, | Chairman |
| 2. | Dr. Arvind Mathur, | Member |
| 3. | Dr. Virendra Misra, | Member |
| 4. | Dr. Pramod Kumar Mishra, | Member |
| 5. | Dr. Richhpal Singh Sangu, | Member |
| 6. | Dr. Ranjeet Kumar Dalela, | Member |
| 7. | Shri Ramesh Chand Kataria, | Member |
| 8. | Dr. S.K. Upadhyay, | Member |
| 9. | Dr. Ajoy Kumar Mandal, | Member |
| 10. | Shri Meraj Uddin, | Member |

The Chairman welcomed the members to the 417th SEAC meeting.

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

1. Group Housing Project at Plot No.-GH-04, Techzone-IV, Sports City, Greater Noida, District -Gautam Budha Nagar, U.P., M/s Irish Infrastructure Pvt. Ltd. File No. 4924/Proposal No. SIA/UP/MIS/110997/2019

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

1. The environmental clearance is sought for Group Housing Project at Plot No.-GH-04, Techzone-IV, Sports City, Greater Noida, District -Gautam Budha Nagar, U.P., M/s Irish Infrastructure Pvt. Ltd.
2. Project involves development of 02 towers namely Tower A (1B+S+31F) and Tower B (1B+S+31F) including dedicated building for community centre. Total number of dwelling units will be 364.
3. Salient features of the project:

| Description | Proposed |
|-----------------------------|---|
| Plot Area | 10,030.00 m ² |
| Built-up Area | 53,532.800 m ² |
| Green Area | 2,344.574 m ² (@23.37% of plot area) |
| Total Water Requirement | 471 KLD |
| Fresh Water Requirement | 410 KLD |
| Wastewater Generation | 135 KLD |
| Capacity of STP | 162 KLD |
| Solid Waste Generation | 975 kg/day |
| Parking Required & Provided | 460 ECS & 471 ECS |
| Power Demand & Source | 1,329.02 KW (Noida Power Company Limited) |
| Back up | 320 kVA (2 x 160 kVA) |
| RWH Pits | 4 pits |
| Project Cost | INR 110 cr. |
| Expected Date of Completion | 5 Years |

4. Area details of the project:

| S. No. | Particulars | Area (m ²) |
|--------|---|--|
| 1. | Plot Area | 10,030.00 |
| 2. | Permissible Ground Coverage (@40% of Plot Area) | 4,012.00 |
| 3. | Proposed Ground Coverage (@16.19% of Plot Area) | 1,653.289 |
| 4. | Total Permissible FAR Permissible FAR (@3.5) Additional FAR for Green Building (@5% of Permissible FAR) | 36,860.25 35,105.00 1,755.25 |
| 5. | Permissible 15% Prescribed Area | 5,529.037 |
| 6. | Proposed 15% Prescribed Area (including Community Centre) | 5,529.037 |
| 7. | Total Proposed F.A.R. Proposed FAR Exceed 15% Prescribed FAR | 36,577.215 36,351.053 226.162 |
| 8. | Total Non F.A.R. 1. Basement area (One Basement) 2. Stilt Area 3. Pergola Area (31 st Floor) 4. Water Tank | 11,426.548 6,450.169 4,852.389 46.746 77.244 |
| 9. | Total Built-Up Area (6 + 7 + 8) | 53,532.800 |
| 10. | Landscape Area | 2,344.574 (@23.37% of plot area) |
| 11. | Total Proposed Units | 364 |
| 12. | Height of the highest building | 111.7 m |

5. Population details:

| S. No. | Unit Type | D.U./FAR (m ²) | PPU | Total Population |
|------------------------|---------------------------|---------------------------------|----------------------------|------------------|
| 1. | Residential Population: | | | 1,638 |
| | Residents | 364 | 4.5 | 1,638 |
| | Staff | @5% of residential population | | 82 |
| | Visitors | @10% of residential population | | 164 |
| 2. | Community Area Population | | | 655 |
| | Community Area | 982.1 | 1person/1.5 m ² | 655 |
| | Staff | 20% of the Community Population | | 131 |
| | Visitors | 80% of the Community Population | | 524 |
| Grand Total Population | | | | 2,293 |

6. Water requirement details:

| S. No. | Description | Occupancy | Rate of water demand (lpcd) | Total Water Requirement (KLD) |
|-------------------------------------|---------------------------------|-----------|-----------------------------|-------------------------------|
| A. | Domestic Water | | | |
| 1) | Residential Population | | | |
| | Residents | 1,638 | 86 | 140.868 |
| | Maintenance Staff | 82 | 30 | 2.46 |
| | Visitor/Floating | 164 | 15 | 2.46 |
| 2) | Community | | | |
| | Staff | 131 | 30 | 3.93 |
| | Visitors | 524 | 15 | 7.86 |
| Total Domestic Water Demand (1 + 2) | | | | 157.578 say 157 KLD |
| B. | Horticulture | 2,344.574 | 6 lt./m ² /day | 14.06 |
| C. | Make up water for swimming pool | | | 300 |
| Total Water Requirement (A + B + C) | | | | 471.06 say 471 KLD |

7. Solid waste generation details:

| S. No. | Category | Norms (kg/c/day) | Total Waste (kg/day) |
|--------|----------------------|------------------|----------------------|
| 1. | Domestic Waste: | | |
| | Residents (1638) | @ 0.5 | 819 |
| | Total Staff (213) | @ 0.25 | 53 |
| | Total Visitors (688) | @ 0.15 | 103 |

| | | | |
|----|-----------------------------|-------------------|------------------------|
| 2. | Landscape waste (0.57 acre) | @ 0.2 kg/acre/day | 0.114 |
| | TOTAL SOLID WASTE GENERATED | | 975.114 say 975 kg/day |

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

RESOLUTION AGAINST AGENDA NO-01

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:

- Solar energy to be used alternatives on the road and common places for illumination to save conventional energy as per ECBC Code.
- 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.
- 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.
- 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.
- Permission from local authority should be taken regarding discharge of excess water into the sewer line.
- 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.
- "Consent for Establishment" shall be obtained from UP Pollution Control Board.
- All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
- Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
- Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
- 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.
- 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.
- 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.
- 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.
- No parking shall be allowed outside the project boundary.
- 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.
- Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.

18. 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.
19. 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.
20. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
21. 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.
22. 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.
23. 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. 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.
24. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
25. 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.
26. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
27. 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.
28. NOC from Ground Water Board is to be submitted for drilling of tube well for use of Water Supply.
29. All the internal drains are to be covered till the disposal point.
30. 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.
31. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

2. Expansion of Group Housing-6 at DA-1, High-tech City, District-Allahabad. M/s Pancham Realcon Pvt. Ltd. File No. 4929/Proposal No. SIA/UP/MIS/111215/2019

Deferred due to non submission of supporting documents.

3. Pradhan Mantri Awas Yojna at 332, 367, 368, 371, 372, 374, 375, 376, 377, 379, 380, 381, 386, 387, 733, 734, Sector-N, Vasant Kunj, Village- Bari-Kala, Tehsil- Sadar, District- Lucknow, U.P. File No. 4951/Proposal No. SIA/UP/MIS/112220/2019

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

1. Organic waste convertor should be installed as per guidelines.
2. List of plants for the soft green belt to be revised.
3. Capacity of STP to be revised.
4. Baseline environmental quality should be submitted.

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

4. **Group Housing Project on Khasra No.- 68/1, 68/2, 69, 70M, 95M, 96, 97M, 100, at Village-Chhajarsi, Tehsil-Dadri District-Gautam Budha Nagar, U.P., M/s Ramprastha Nxt Project Pvt. Ltd. File No. 4952/Proposal No. SIA/UP/MIS/112247/2019**

RESOLUTION AGAINST AGENDA NO-04

The project proponent did not appear. The committee discussed and deliberated that the project file should be closed and be opened only after request from the project proponent. The file shall not be treated as pending at SEAC. The matter will be discussed only after submission of online request on prescribed online portal.

5. **Group Housing Project "Imperia Housing" at A-5, Sector-25, Jaypee Sports City, SDZ, District-Gautam Budha Nagar, U.P., M/s Imperia Structures Ltd. File No. 4961/Proposal No. SIA/UP/MIS/112503/2019**

RESOLUTION AGAINST AGENDA NO-05

Chronologically the case was taken up in today's agenda. The project proponent requested SEAC vide email dated 02/09/2019 to defer the case for next SEAC meeting dated 12/09/2019. Chairman, SEAC granted the permission as so to put up the case in SEAC meeting dated 12/09/2019. Hence, the case was deferred for the next meeting.

6. **"Velodrome Guru Govind Singh Sports College" at Kursi Road, Guramba, Lucknow, U.P. File No. 4963/Proposal No. SIA/UP/MIS/112578/2019**

RESOLUTION AGAINST AGENDA NO-06

The project proponent did not appear. The committee discussed and deliberated that the project file should be closed and be opened only after request from the project proponent. The file shall not be treated as pending at SEAC. The matter will be discussed only after submission of online request on prescribed online portal.

7. **Capacity Expansion from 2.70 MTPA to 3.25 MTPA (20.3% increased) Diamond Cement" (Prop. Heidelberg Cement India Limited) at Village- Madora, Post- Barataha Kalan, Tehsil & District-Jhansi, U.P. File No. 4968/Proposal No. SIA/UP/IND/112766/2019**

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

1. The environmental clearance is sought for Capacity Expansion from 2.70 MTPA to 3.25 MTPA at Village- Madora, Post- Barataha Kalan, Tehsil & District-Jhansi, U.P., M/s Diamond Cement (Prop : Heidelberg Cement India Limited).
2. Environmental clearance for the earlier proposal was issued by SEIAA, U.P. vide letter no. 643 / PARYA/ SEAC/136/2011/AD (H) dated 28/03/2012.
3. Comparative details of the existing and expansion project:

| S.No. | Particulars | Existing | After Proposed Expansion |
|-------|-------------------------|----------------|--------------------------|
| 1. | Project | 2.70 MTPA | 3.25 MTPA |
| 2. | Total Power requirement | 15000 KVA Grid | No change |
| 3. | Total Land available | 70.40 Hectare | No change |
| 4. | Raw material required | 1.66 MTPA | 2.0 MTPA |
| | Clinker | 0.094 MTPA | 0.11 MTPA |
| | Gypsum | 0.945 MTPA | 1.14 MTPA |

| | | | |
|-----|---|---|--|
| | Flyash | | |
| 5. | Source of Power | UPPCL | UPPCL |
| 6. | Water Requirement | 250 KL /Day | No change |
| 7. | Source of Raw water | Source : Ground Water though Tube Well | No change |
| 8. | Major Plants / Equipment | Cement Mill , Packers , classifier | Storage silos etc |
| 9. | Capacity of Cement Mill | CM 01 : 126 TPH CM 02: 215 TPH | CM 01 : 162 TPH CM 02: 275 TPH |
| 10. | Process Technology | Ball mill closed circuit & Vertical Roller Mill closed circuit. | |
| 11. | Pollution control equipment | Bag House | Two additional bag filters in separator circuit will be increased. |
| 12. | Level of particulate Matter after APCE | <30 mg/Nm ³ | <30 mg/Nm ³ |
| 13. | Cost of project | 387.45 Crores | 400.78 Crores (New project Cost will be Rs 13.33 Crores (estimated)). |
| 14. | Cost of Pollution Control Equipment | 12.73 Crores | 13.23 (Addition-0.50 Crores (Approx.)) |
| 15. | Recurring Exp on environment protection | 1.29 Crores (Approx.) | 1.40 Crores (Approx.) |
| 16. | Number of employment generation | 248 | No change |
| 16. | Corporate Environmental Responsibility | | 2.0 % of expansion project cost. |

4. Details of proposed up gradation :

| S.No | Parameters | Description | |
|------|--|---|--|
| | | Existing | After Upgradation |
| 1 | Cement Grinding Unit Capacity | 2.70 MTPA | 3.25 MTPA |
| 2 | Process Technology | Ball Mill & VRM | Ball Mill & VRM |
| 3 | Mill Capacity(Cement Mill No.-1, Ball MILL) Mill Capacity(Cement Mill No.-2, VRM) | 126 tph 215 tph | 162 tph 275 tph |
| 4 | Raw Material Requirement | 2.70 MTPA Clinker-1.66 MTPA Gypsum-0.094 MTPA Fly Ash-0.945 MTPA | 3.25 MTPA Clinker-2.0 MTPA Gypsum-0.11 MTPA Fly Ash-1.14 MTPA |

5. Raw material details:

| Material | Sources | Transportation | Existing requirement (MTPA) | Proposed Requirement (MTPA) | Total (MTPA) |
|----------|--|----------------|-----------------------------|-----------------------------|--------------|
| Clinker | Narsingarh Plant | Rail/Road | 1.66 | 2.0 | 2.0 |
| Gypsum | Dahej in Gujarat | Railway | 0.094 | 0.11 | 0.11 |
| Fly ash | Thermal Power Plants of PTPP, Bina, Lalitpur other nearby thermal Power Plant. | Bulkers | 0.945 | 1.14 | 1.14 |

6. Storage capacity:

| S. No | Material | No of Days | | Capacity (Tons) | |
|-------|----------|------------|----------|-------------------|-----------|
| | | Existing | Proposed | Existing | Proposed |
| 1. | Clinker | 14 - 16 | 10 - 12 | 40000+40000 | No Change |
| 2. | Gypsum | 45 - 48 | 36 - 38 | 12000 | No Change |
| 3. | Cement | 5 - 6 | 3-5 | 13800+28000 (PPC) | No Change |
| 4. | Fly Ash | 3-5 | 2 - 4 | 300+10000 | No Change |

7. Water requirement details:

| Heads | Water Consumption KLD | Waste Water Generation KLD |
|-------|-----------------------|----------------------------|
|-------|-----------------------|----------------------------|

| | Existing | Proposed | Existing | Proposed |
|---|----------|-----------|----------|-----------|
| Cement Mill-1 & Cement Mill-2 | 150 | 0 | 0 | 0 |
| Compressor | | | | |
| Cooler | | | | |
| Lab | | | | |
| Washing & Spray on roads | | | | |
| Domestic | 100 | No Change | 80 | No Change |
| Total | 250 | No Change | 80 | No Change |
| <ul style="list-style-type: none"> ❖ The water is sourced through four Bore Wells located in the plant and residential colony for Industrial water (150 KLD) and domestic water (100 KLD). ❖ Permission from CGWA has already been obtained. ❖ Water requirement during dry process in cement plant is mostly for cooling. Cooling towers with proper cycles of concentration ensure recycle. ❖ The sewage waste water generated from grinding unit has been treated in the treatment plant of 125 KLD Sewage treatment plant. The treated water is utilized for green belt development and dust suppression. | | | | |

8. Solid waste details:

| Description | Existing Annual Qty | Proposed | Unit Measurement | of Mode of Disposal |
|-------------------------------------|---------------------|-----------|------------------|---|
| HAZARDOUS WASTE | | | | |
| Used Oil-5.1 cat | 5.0 MT | No change | MT/KL / Annum | Being sold to the PCB authorized vender only. |
| Used Grease - 5.2 Category | 3.0 MT | No change | MT/KL / Annum | |
| Lead Acid batteries | 0.6 MT | No change | Number | Being sold to the PCB authorized vender only. |
| NON HAZARDOUS WASTE MATERIAL | | | | |
| Metal Scrap | 150 | No change | MT / Annum | Being sold through e-auction. |
| MUNICIPAL SOLID WASTE | | | | |
| Domestic Waste | 92 | Nil | Kg/Day | We have installed Solid waste management system for disposal of solid waste (Like bio-degradable food, kitchen waste/peels, garden waste) are generated on daily basis. |

9. The project proposal falls under category-3(b) 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 conditions:

- I. As per the provision contain in para 7(ii) of EIA Notification, 2006, exemption of the project form fresh EIA studies, EMP and public hearing but Zero liquid discharge (ZLD) technology should be adopted and no effluent will be discharged outside the premises.
- II. 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 concerned State pollution Control Board/Committee.
 - 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.
- III. 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

IV. 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.

V. 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.

VI. 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.

VII. 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).

VIII. 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.

IX. 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.

X. Corporate Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements /deviation/violation of the environmental / forest /wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and shareholders / 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.

XI. 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 concerned 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. ii. 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.

8. Housing Project Entitled "Ajnara Fragrance" being Developed under Pradhan Mantri Awas Yojna at Khasra No.- 1239, 1249, 1250, 1266, 1267, Village- Noor Nagar, Ghazibad, U.P. By M/s Ajanara India Ltd. File No. 4975/Proposal No. SIA/UP/MIS/96763/2019

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

1. The environmental clearance is sought for Housing Project Entitled "Ajnara Fragrance" being Developed under Pradhan Mantri Awas Yojna at Khasra No.- 1239, 1249, 1250, 1266, 1267, Village- Noor Nagar, Ghazibad, U.P. by M/s Ajanara India Ltd.
2. Salient features of the project:

| Description | |
|--|---|
| Net Plot Area | 23,466.66 sqm |
| Area left under Zonal road,Nali ,Ekajee land | 2,925.70 Sq m |
| Effective Plot area | 20,540.96 Sq m |
| Built-up Area | 1,04,665.19 sqm |
| Green Area | 2,055.28 sqm @ 10% of Effective Plot Area |
| Total Water Requirement | 387.58 KLD |
| Fresh Water Requirement | 269.57 KLD |
| Wastewater Generation | 317.33 KLD |
| Capacity of STP | 400 KLD |
| Solid Waste Generation | 2116.102 kg/day |
| Parking Required | 680 Car & 350 Two wheelers |
| Parking Provided | 688 cars & 490 Two Wheelers |
| Power Demand | 2,720 kVA |
| Back up | 1,625 kVA (1 x125 kVA + 3 x 500 kVA) |
| RWH Pits | 6 pits |

3. Area details of the project:

| S. No. | Particulars | Area (in m2) |
|--------|--|--------------|
| 1 | Total Plot Area | 23,466.66 |
| 2 | Area left under Zonal road,Nali ,Ekajee land for nail | 2,925.70 |
| 3 | Effective Plot area remaining for construction | 20,540.96 |
| 4 | Proposed Ground Coverage (32.83%)* | 6,743.84 |
| 5 | Permissible FAR @ 2.5 | 51,352.40 |
| | Incentive FAR 2 @ 1(Under PMAY) | 20,540.96 |
| | Total FAR @ 3.5 | 71,893.36 |
| | Permissible Area for facility CB, etc (@5% of Total FAR) | 3,594.67 |
| | Permissible Commercial FAR (@10% of total FAR) | 7,189.34 |
| 6 | Proposed FAR @3.5 | 70,853.99 |
| | Proposed FAR consumed in EWS units | 10,602.60 |
| | Proposed FAR consumed in Developers units | 52,112.63 |
| | Proposed Commercial FAR | 7,187.80 |
| | Proposed Nursery School FAR | 950.96 |
| 7 | Area for facility CB, etc | 3,306.04 |
| 8 | Basement area – I ,II&III | 26,446.24 |
| 9 | STP,GuardRoom,fire Stair Case etc Area | 4,058.92 |
| 10 | Total Built up area | 1,04,665.19 |
| 11 | Proposed landscape Green | 2,055.28 |
| | Proposed Residential 4 Wheeler parking | 570 ECS |
| | Proposed Commercial 4 Wheeler parking | 90 ECS |
| | Proposed Nursery School Car parking | 10 |
| | Proposed Community hall parking | 18 |

| | | |
|--|---------------------------------------|-----|
| | Proposed Commercial 2 Wheeler parking | 490 |
|--|---------------------------------------|-----|

4. Population details:

| S. No. | Category | No. of Persons |
|--------|---|---|
| A) | Residential (Developers units +EWS units) | 778*5 = 3,890 |
| B) | Commercial | 1 person/3m ² for street floors (i.e. 5,401.58 sq m)=1801 1 person/6m ² for upper floors(i.e 1,786.22 sq m)=298 Total =2099 Staff=210 Visitors=1889 |
| C) | Visitors | 5% of the residential Population +90 % of commercial population= 195+1889=2084 |

5. Water calculation details:

| Sr. No. | Description | Quantity of water (KLD) |
|---------|--|-------------------------|
| 1. | Total water requirement | 387.58 |
| 2. | Fresh water Requirement | 269.57 |
| 3. | Flushing Water Requirement | 105.68 |
| 3. | Waste water generation (80% of fresh water + 100% of flush water) | 317.33 |
| 4. | Water requirement for green area | 12.33 |
| 5. | STP Capacity | 400 |
| 6. | Treated water from STP (80% of waste water) | 253.87 |
| 7. | Treated water used for Flushing | 105.68 |
| 8. | Treated water used for Green area | 12.33 |
| 9. | Surplus Treated Water to used for nearby construction sites and greenbelt area | 135.86 |

6. Solid waste generation details:

| Sl. No. | Description of Population | Occupancy | Waste Generated (Kg per capita / day) | Waste Generated (kg/day) |
|---|------------------------------|------------------------------|---------------------------------------|--------------------------|
| | Municipal Solid waste | | | |
| 1. | Residents | 3,890 | @ 0.45 | 1,751 |
| 2. | Visitors | 2084 | @ 0.15 | 312.60 |
| 3. | Commercial | 210 | @ 0.25 | 52.5 |
| | Total | | | 2,116 |
| | Landscape Waste | | | |
| | | Area | Waste Generated | |
| | Landscape Waste | 2,055.28 sq.m /0.51 acres | @ 0.2 kg/acre/day | 0.102 |
| Total Waste Generation = 2116.102kg/day | | | | |

- 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:

- Ecological study of Hindon River is submitted within 45 days.
- Original report signed by the analyst approved by NABL/MoEF&CC is to be submitted.
- Organic waste convertor should be installed as per guidelines.
- Solar energy to be used alternatives on the road and common places for illumination to save conventional energy as per ECBC Code.

5. 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.
6. 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.
7. 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.
8. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
9. 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.
10. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
11. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
12. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
13. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
14. 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.
15. 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.
16. 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.
17. 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.
18. No parking shall be allowed outside the project boundary.
19. 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.
20. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
21. 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.
22. 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.
23. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
24. 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.

25. 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.
26. 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.
27. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
28. 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.
29. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
30. 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.
31. NOC from Ground Water Board is to be submitted for drilling of tube well for use of Water Supply.
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. Commercial Project at Plot No.- C3-E2, Sector-129, Noida, District- Gautam Buddha Nagar, U.P., M/s Adonis Buildtech Pvt. Ltd. File No. 4976/Proposal No. SIA/UP/MIS/113007/2019

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

1. The environmental clearance is sought for Commercial Project at Plot No.- C3-E2, Sector-129, Noida, District- Gautam Buddha Nagar, U.P., M/s Adonis Buildtech Pvt. Ltd.
2. Salient features of the project:

| Description | |
|-------------------------|---|
| Net Plot Area | 7,486 sqm |
| Built-up Area | 45,083.227 sqm |
| Green Area | 1,208.68 sqm @ 16.15% of Plot Area |
| Total Water Requirement | 176.737 KLD |
| Fresh Water Requirement | 101.691 KLD |
| Wastewater Generation | 149.14 KLD |
| Capacity of STP | 200 KLD |
| Solid Waste Generation | 1356.31 kg/day |
| Parking Required | 595 Cars |
| Parking Provided | 595 cars |
| Power Demand | 3,142.01 kVA |
| Back up | 1,035 kVA (1 x250 kVA + 1 x 625 kVA+1 x160 kVA) |
| RWH Pits | 2 pits |

3. Area details of the project:

| S. No. | 13Particulars | Area (in m2) |
|--------|-----------------------------|--------------|
| 1 | Total Plot Area | 7,486.00 |
| 2 | Permissible Ground Coverage | 2,994.40 |

| | | |
|----|---|------------|
| 3 | Proposed Ground Coverage (32.83%)* | 2,963.39 |
| 4 | Permissible FAR @ 4.0 | 29,944.00 |
| | Permissible Service Area (@ 15% of Total FAR) | 4,491.60 |
| 5 | Proposed FAR | 29,259.561 |
| | Proposed Service Area | 3,533.207 |
| 6 | Basement area – I,II | 11,050.76 |
| 7 | Proposed Service Floor Area | 1,239.699 |
| 8 | Total Built up area | 45,083.227 |
| 9 | Proposed landscape Green | 1,208.680 |
| 10 | Proposed Basement Parking | 566 ECS |
| 11 | Proposed Surface parking | 29 ECS |
| 12 | Total Proposed parking | 595 ECS |

4. Water requirement details:

| Sr. No.ca | Description | Quantity of water (KLD) |
|-----------|--|-------------------------|
| 1. | Total water requirement | 176.737 |
| 2. | Fresh water Requirement | 101.691 |
| 3. | Flushing Water Requirement | 67.794 |
| 3. | Waste water generation (80% of fresh water + 100% of flush water) | 149.14 |
| 4. | Water requirement for green area | 7.252 |
| 5. | STP Capacity | 200 |
| 6. | Treated water from STP (80% of waste water) | 119 |
| 7. | Treated water used for Flushing | 67.794 |
| 8. | Treated water used for Green area | 7.252 |
| 9. | Surplus Treated Water to used for nearby construction sites and greenbelt area | 43.9 |

5. Solid waste generation details:

| Sl. No. | Description of Population | Occupancy | Waste Generated (Kg per capita / day) | Waste Generated (kg/day) |
|--------------------------------------|---------------------------|---------------------------|---------------------------------------|--------------------------|
| | Municipal Solid waste | | | |
| 1. | Staff | 1,693 | @ 0.25 | 423.25 |
| 2. | Visitors | 6,220 | @ 0.15 | 933 |
| | Total | | | 1,356.25 |
| | Landscape Waste | | | |
| | | Area | Waste Generated | |
| | Landscape Waste | 1,208.68 sq.m /0.29 acres | @ 0.2 kg/acre/day | 0.058 |
| Total Waste Generation = 1356.31/day | | | | |

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

RESOLUTION AGAINST AGENDA NO-09

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. Organic waste convertor should be installed as per guidelines.
2. Solar energy to be used alternatives 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. 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.
13. 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.
14. 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.
15. 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.
16. No parking shall be allowed outside the project boundary.
17. 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.
18. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
19. 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.
20. 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.
21. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
22. 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.
23. 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.

24. 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. 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.
25. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
26. 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.
27. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.
28. 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.
29. NOC from Ground Water Board is to be submitted for drilling of tube well for use of Water Supply.
30. All the internal drains are to be covered till the disposal point.
31. 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.
32. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

10. Group Housing "Apex The Rio" at Khasra No.- 526/2, Village-Kanawani-(V), Ahinsa Khand -II, Ghaziabad, U.P., M/s Rio Heights Pvt. Ltd. File No. 4981/Proposal No. SIA/UP/MIS/113366/2019

RESOLUTION AGAINST AGENDA NO-10

A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. The committee discussed the matter and directed the project proponent to submit following information:

1. ECS should be as per norms.
2. Structure stability certificate should be provided and the case should be presented accordingly.
3. STP with capacity should be enhanced.
4. Organic waste converter should be provided.
5. Power backup should be lowered to minimize the burning of fossil fuels. Plans for the use of solar energy and energy conservation in the project should be provided.
6. 05 RWH pits should be proposed.
7. Plans for Katicha pond.

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

11. Govt. Medical College at Gata No.- 1448, 1447, 1444, 1443, 1464, 1442, Village- Gauradanda, Pargana- Gopamau, Tehsil & District- Hardoi, U.P. Principal Medical College, Hardoi, U.P & M/s UPRNN Ltd. Unit Incharge, Medical College Hardoi Unit Hardoi, U.P. File No. 4988/Proposal No. SIA/UP/MIS/113732/2019

RESOLUTION AGAINST AGENDA NO-11

An affidavit has to be submitted for exempting the project from the need of environment clearance annexing the copy of the same notification/office memorandum provided the practical part of the study shall be conducted in the Govt. hospital and not in the college. MoU between the project proponent and consultant with detailed terms and conditions should be furnished. Valid certificate of QCI/NABT should be submitted.

Till then the case shall not be pending at the level of SEIAA/SEAC.

12. Residential and Commercial Project at Khasra No.- 393, 394, 395,396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 407, 408, 409, 410,411, 594, at Village- Mehrauli, Khasra No.- 137/1, Mohalla- Shahpur Bamheta, Dasna,Tehsil & District-Ghaziabad,U.P., M/s ATS Grand Realtors Pvt. Ltd. File No. 4966/4726/Proposal No. SIA/UP/MIS/39639/2019

A presentation was made by the project proponent along with their consultant M/s JM Environet Pvt. Ltd. The committee discussed the matter and observed as follows:

1. The project is located in Greater Noida, UP while the consultant has proposed to take CTE and CTO from Haryana State Pollution Control Board as mentioned in statutory requirement on S.No. 1.4.2.
2. At S.No. 6.3 on page 108 the consultant has mentioned monitoring period from March to May, 2016 where as the attached test reports shows monitoring period from February to April, 2019.
3. Two important rivers Hindon and Yamuna are located in buffer zone but the surface water quality is not given in the EIA report. The consultant needs to carry out 45 days ecological study of river Hindon/Yamuna.
4. NABL/MoEF&CC approved analyst certificate is to be produced by consultant.

In view of the above points the project is deferred.

13. Residential project “ATS Destinaire” at Plot No.-GH-14 Sector-01 Greater Noida, District-Gautam Buddha Nagar, U.P., M/s Starcity Buildcon Private Limited. File No. 4972/4709/Proposal No. SIA/UP/MIS/40206/2019

A presentation was made by the project proponent along with their consultant M/s JM Environet Pvt. Ltd. The committee discussed the matter and observed as follows:

1. Hindon River is located in buffer zone of project site but surface water quality is not furnished.
2. Structural design certificate is vetted by IIT Roorke/NBCC.
3. MoU between consultant and project proponent was executed on 04/07/2019 therefore TOR and EIA monitoring is invalid.
4. Extra quantity of sewage is proposed to be discharged in GNIDA sewer line, therefore NOC from GNIDA is needed.
5. Traffic survey report is not furnished alongwith EIA.

In view of the above points the project is deferred.

14. Establishment of new 60 KLPD Distillery (Rectified Spirit/ Extra Neutral alcohol/Absolute Alcohol) & alongwith 3.0 MW co-generation Power plant at Village-Kothwal Kalan, Tehsil-Kaisarganj, District-Bahriach, U.P., M/s Parle Biscuits Pvt. Ltd. File No. 4982/Proposal No. SIA/UP/IND2/40213/2018

A presentation was made by the project proponent along with their consultant M/s Ascenso Enviro 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 new 60 KLPD Distillery (Rectified Spirit/ Extra Neutral alcohol/Absolute Alcohol) & alongwith 3.0 MW Co-generation Power plant at Village-Kothwal Kalan, Tehsil-Kaisarganj, District-Bahriach, U.P., M/s Parle Biscuits Pvt. Ltd.
2. Terms of reference in the matter were issued by MoEF&CC Govt. of India vide letter no. IA-J 11011/188/2018-IA-II(I), dated 06/07/2018.
3. Public hearing in the matter was organized on 05/03/2019.

4. Salient features of the project:

| S.No | Attributes | Details |
|------|---|---|
| 1 | Plant capacity | Establishment of New 60 KLPD distillery (Rectified Spirit/Extra Neutral alcohol/Ethanol) & Power Generation:3 MW |
| 2 | Total Project Area | 3.165 Hectare |
| 3 | Green Belt | 33% of total project area (1.045 hectare) |
| 4 | Total Project Cost | 7045 Lakhs (Estimated) |
| 5 | No.s of working days | 330 Days/Annum |
| 6 | Raw material and its Quantity | Molasses:190 KLD |
| 7 | Power Generation | 3 MW |
| 8 | Power Requirement | 2.5 MW |
| 9 | Steam Requirement | 19 TPH |
| 10 | Man Power Requirement | 130 No (proposed) |
| 11 | Boiler Detail | Proposed : 01 no. of 20 TPH (Slop Fired Boiler) |
| 12 | Fuel Requirement (Boiler) | Slop : 84 KLD , Bagasse: 144 Ton/day |
| 13 | Fresh Water Requirement | |
| 14 | Waste Water Generation | Spent Wash 300 KLPD @ 5 KL/KL of Product Other Effluents: 440 KLD (Condensates) |
| 15 | Effluent Treatment Technology | For Spent wash : MEE followed by Incineration (Slop fired Boiler) For Other Effluent : Process Condensate Polishing Plant shall be installed for treatment of various other effluents (Condensate, Lees, Floor washing, Blow downs). Domestic effluent shall be disposed in Soak pit and Septic tank. |
| 16 | Air Pollution Control Equipment | Bag Filters shall be installed with 20 TPH Boiler along with stack of 55 meter height (particulate emission from the stack shall be within the permissible limit 150 mg/Nm3.) |
| 17 | Solid Waste Generation and its management | Ash generation: 25 MT/DAY: Ash shall be used as manure due to high potash value(27%-35%) For ash management unit will install granulation plant. Fermenter Sludge: 8 MT/Day: shall be used as manure. |
| 18 | Cost towards Environmental Protection measures (Capital cost) | Rs. 1345 Lakhs |
| 19 | Recurring cost Towards Environmental control measures. | Rs. 368.3 Lakhs |
| 20 | Cost towards CER | The proposed CER Cost is Rs. 140.9 Lakhs (2% of capital investment), as per office memorandum no. F. No. 22-65/2017-IA.III dated 1st May 2018 as project is green field (New Distillery Project). |
| 21 | 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). (Approximately 5 crores shall be allotted as 5 year program.) |
| 22 | No. of working days | 330 Days/Annum |
| 23 | Employment | Direct :50 Persons Indirect:80 Persons Total 130 Persons |

5. Land use details:

| Land Use Details | Grand Total (Sq Meter) |
|--------------------------------|------------------------|
| Green Belt Area | 10450 |
| Open Land | 6963 |
| Road/ Paved Area | 1577 |
| Rooftop area of building/sheds | 12660 |
| Total | 31650 |

6. Raw material details:

| Sl. No | Particular | Requirement | Storage | Source and mode of transportation |
|--------|------------|------------------|------------------------|---|
| 1. | Molasses | Molasses:270 TPD | Molasses storage tanks | Shall be procured from own sugar units. |

7. Water requirement details :

| 7. Water Requirement details : | | |
|--|-------------------|-------------------------------------|
| S. No | Water Requirement | |
| 1 | Industry Use | 360 KL/ Day (@ 6 KL/ KL of Product) |
| 2 | Domestic Use | 20 KLPD |
| Total Water Requirement | | 380 KLD |
| Ground water (from Tube Domestic well) | | |

8. Waste water generation:

| | | |
|----|-------------------------------|--|
| 1. | Waste Water Generation | Spent Wash 300 KLPD @ 5 KL/KL of Product Other Effluents: 440 KLD (Condensates) |
| 2. | Effluent Treatment Technology | For Spent wash : MEE followed by Incineration (Slop fired Boiler) For Other Effluent : Process Condensate Polishing Plant shall be installed for treatment of various other effluents (Condensate, Lees, Floor washing, Blow downs). Domestic effluent shall be disposed in Soak pit and Septic tank. |

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

RESOLUTION AGAINST AGENDA NO-14

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

- I. Zero liquid discharge (ZLD) technology should be adopted and no effluent will be discharged outside the premises.
- II. Statutory compliance:
 1. 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.
 2. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
 3. 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).
 4. 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.
 5. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
 6. The Company shall strictly comply with the rules and guidelines under Manufacture,

Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

III. Air quality monitoring and preservation:

1. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. (case to case basis small plants: Manual; Large plants: Continuous).
3. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six- monthly monitoring report.
4. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
5. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
6. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
7. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.
8. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

IV. Water quality monitoring and preservation:

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

6. Industrial/trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (agitated thin film drier). Low TDS effluent stream shall be treated in ETP and then passed through RO system.
7. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
- V. Noise monitoring and prevention:
 1. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
 2. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
 3. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
- VI. Energy Conservation measures:
 1. The energy sources for lighting purposes shall preferably be LED based.
- VII. Waste management:
 1. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
 2. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
 3. The company shall undertake waste minimization measures as below :-
 - i. Metering and control of quantities of active ingredients to minimize waste .
 - ii. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - iii. Use of automated filling to minimize spillage.
 - iv. Use of Close Feed system into batch reactors.
 - v. Venting equipment through vapour recovery system.
 - vi. Use of high pressure hoses for equipment clearing to reduce wastewater generation
- VIII. Green Belt:
 1. Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
- IX. Safety, Public hearing and Human health issues:
 1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
 2. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
 3. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
 4. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
 5. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
 6. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places

X. Corporate Environment Responsibility:

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

XI. Miscellaneous:

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

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

15. "Expansion of IT/ITES office building" at Plot No.-3A, 3B & 2C, Sector-126, Noida, District-Gautam Budh Nagar, U.P., M/s HCL Technologies Ltd. File No. 4954/Proposal No. SIA/UP/NCP/39362/2019

A presentation was made by the project proponent along with their consultant M/s OCEAO-ENVIRO Management Solutions (India) Private Limited. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for "Expansion of IT/ITES office building" at Plot No.-3A, 3B & 2C, Sector-126, Noida, District- Gautam Budh Nagar, U.P., M/s HCL Technologies Ltd.
2. The environmental clearance for the earlier proposal was issued by SEIAA, U.P. vide letter no. 1552/Praya/SEAC/1459/2012/AD, dated 07th October 2013 for the plot area 1,84,000.00 sq.m and Built-up area 4,15,245.96 Sq.m.
3. Comparative details of the earlier and expansion project:

| DESCRIPTION | Existing (Plot 3A) | Expansion Plot (3B + 2C) | Total |
|-------------------------------|---|---|---|
| Type of Project | IT/ITES office Building | IT/ITES office Building | IT/ITES office Building |
| Project Proponent | M/S HCL Technologies Ltd. | M/S HCL Technologies Ltd. | M/S HCL Technologies Ltd. |
| Location | Plot No.-3A,, Sector 126, Noida Uttar Pradesh | Plot No.-3A, 3B & 2C, Sector 126, , Noida Uttar Pradesh | Plot No.-3A, 3B & 2C, Sector 126, Noida Uttar Pradesh |
| Total Plot Area | 1,84,000 Sqm | 19,174.65 Sqm | 2,03,174.65 Sqm |
| Total Built-Up Area | 4,15,245.96 Sqm | 1,26,320.51 Sqm | 5,41,566.474 Sqm |
| Total Fresh Water Requirement | 360+484= 844 KLD | 128+304=560 KLD | 1404 KLD |
| Waste water generation | 1129 KLD | 410 KLD | 1531 KLD |
| STP Capacity | 1250 KLD | 410 KLD | 1660 KLD |

| | | | |
|-------------------------|-------------|-----------------------------------|-------------|
| Solid Waste Generated | 7105 Kg/day | 2444 Kg/day | 9549 Kg/day |
| Electrical load | 15,500 kVA | 10,000 kVA | 25,500 kVA |
| DG set | 18,500 kVA | 12,000 kVA | 30,500 kVA |
| No. of RWH Pits | 11 | 4 | 15 |
| Current land use | Operational | Green field + Pick& drop facility | - |
| Highest Building Height | 65 M | 65 M | 65M |
| Ground water level | 11-30 mbgl | 11-30 mbgl | 11-30 mbgl |

4. Area details of the project:

| S. No | Particulars | Existing 3A | Expansion | | Total (m ²) |
|-------|--|-------------|-----------|-------|-------------------------|
| | | | 3B | 2C | |
| 1. | Total plot area | 184000 | 5914.65 | 13260 | 203174.65 |
| 2. | Permissible Ground Coverage (@30% of Total Plot area) | 55200 | 1774.39 | 3978 | 60952.39 |
| 3 | Proposed Ground Coverage | | | | 60800.39 |
| 4. | Total Permissible FAR @1.5 + Purchasable/compoundable FAR@0.25 = 1.5+0.25 = 1.75 | 276000 | 8871.95 | 19890 | 304762 + 45238 = 355500 |
| 5 | Proposed FAR(@1.40 + 0.1 Balance FAR) | 258000 | 8871.95 | 19890 | 286761.945 |
| | Proposed Purchasable/compoundable FAR@0.23 | | | | 63248.055 |
| | Total FAR@1.73 | | | | 350010 |
| 6 | Area under services area (Lift, Lobby, plant room,+ HVAC on ground & cooling towers on terrace etc.) | 7956.724 | 1600 | | 9556.724 |
| 7 | Stilt Area | 6575 | 0 | | 6575 |
| 8 | Basement Area | 142344.75 | 14840 | 18240 | 175424.75 |
| 9 | Total Built Up Area (BUA) (5+6+7+8) | 415245.96 | 126320.51 | | 541566.474 |
| 10 | Open Area (including green area+road area) | 139322 | 3052.26 | | 142374.26 |
| 11 | Landscape Area(50% of open area) | 69661 | 1526.13 | | 71187.13 |

5. Population details:

| S. No. | Particulars | FAR (m ²) | PPU/no. of person/ m ² | Existing Plot 3A | Expansion | | Total Population |
|------------------|------------------------|-----------------------|-----------------------------------|------------------|-----------|---------|------------------|
| | | | | | Plot 3B | Plot 2C | |
| A. | Staff | 350010 | 10 | 25837 | 9201 | | 35038 |
| B. | Visitor (10% of Staff) | | | 2584 | 920 | | 3504 |
| Total Population | | | | 28421 | 10121 | | 38542 |

6. Water calculation details:

| S. No. | Particulars | PPU/no. of person/ m ² | LPCD | Existing Plot Popp.3A | Demand (KLD) | Expansion | | Demand (KLD) | Total Water Demand(KLD) |
|--|-------------------|-----------------------------------|--------------------|-----------------------|--------------|--------------|--------------|--------------|-------------------------|
| | | | | | | Plot 3B Popp | Plot 2C Popp | | |
| A | Staff | 10 | 30 | 25837 | 775 | 9201 | | 276 | 1051 |
| B | Visitor | | 15 | 2584 | 39 | 920.1 | | 14 | 53 |
| C | cafeteria | | 15 | 25837 | 387 | 9201 | | 138 | 525 |
| Total Domestic water Requirement (A+B+C) | | | | | 1201 | | | 428 | 1629 |
| D | Horticulture area | | Approx. 1 lit/sqm. | 69661 | 70 | 1526 | | 1 | 71 |

| | | | | | | | | |
|---|------------------------------------|--|------------------------------|------|------|------|-----|------|
| E | HVAC | | 10 lit X 12 hours X Capacity | 6000 | 720 | 2800 | 336 | 1056 |
| | Total Water Requirement(A+B+C+D+E) | | | | 1991 | | 765 | 2756 |

7. Waste water details:

| S.No | Particulars | Existing Plot 3A | Expansion (Plot 3B+2C) | Total | Unit |
|------|---|------------------|------------------------|-------|------|
| 1 | Domestic Water Requirement | 1201 | 428 | 1629 | KLD |
| 2 | Fresh (30% of domestic) | 360 | 128 | 488 | KLD |
| 3 | Flushing (70% of domestic) | 841 | 300 | 1141 | KLD |
| 4 | Wastewater Generated(80% fresh + 100% flushing) | 1129 | 402 | 1531 | KLD |
| 5 | STP Capacity | 1250 | 410 | 1660 | KLD |
| 6. | Surplus Fresh Water requirements | 484 | 304 | 788 | KLD |

8. Solid waste generation details:

| S. No. | Particulars | Per Capita Kg/Day | Existing Population Plot 3a | Existing Demand (Kg/Day) | Expansion Population | | Expansion Demand (Kg/Day) | Total Water Demand (Kg/Day) |
|-------------------|-------------|-------------------|-----------------------------|--------------------------|----------------------|----|---------------------------|-----------------------------|
| | | | | | 3B | 2C | | |
| 1. | Staff | 0.25 | 25837 | 6459 | 9201 | | 2300 | 8759 |
| 2. | Visitor | 0.15 | 2584 | 388 | 920.1 | | 138 | 526 |
| 3 | Landscape | 15kg/day/acre | 17.21 | 258 | 0.377 | | 6 | 264 |
| Total Solid waste | | | | 7105 | | | 2444 | 9549 |

9. Parking details:

| S. No. | Particulars | Area Per ECS (Sq.m) | Existing 3A | ECS Existing | 3B | 2C | ECS Expansion | Total ECS |
|--------------------------|-----------------|---------------------|-------------|--------------|-------|-------|---------------|-----------|
| 1 | Basement | 1 ECS/30 sqm | 142344.75 | 4745 | 14840 | 18240 | 1985 | 6730 |
| 2 | Surface Parking | | 18800 | 940 | 2185 | | 109 | 1049 |
| Total Parking | | | | 5685 | | | 2094 | 7779 |
| 11% Higher Than Required | | | | | | | | |

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

RESOLUTION AGAINST AGENDA NO-15

For the preparation of EIA report, the request was made by the project proponent to consider the baseline data for the period of March to May, 2019. The committee discussed the matter and concurred with the request made by the project proponent and recommended to issue the terms of reference (TOR) for the preparation of EIA as mentioned in MoEFCC, OM No. J-11013/41/2008-IA-II(I) (Part) dated 29/08/2017:-

1. Certified compliance report at the time of EIA appraisal.
2. Master plan of the area showing proposed project. Permissible uses of the proposed site as per zoning regulation.
3. Allotment letter from concerned development authority.
4. All approved drawings/maps alongwith approved services plans.
5. Structural design certificate signed by the architect and vetting authority should be submitted. All structural design drawings should be signed by architect and counter signed by vetting authority.
6. Area details showing proposed uses as residential, commercial, parks, parking, roads, other services,

facilities of the project also in percentage.

7. Physical features within 30 m of the project sites with their ownership.
8. Complete Details of facilities to be developed by the project proponent i.e. for which environment clearance is sought.
9. Use of reflecting paints on roof top and side walls.
10. Details of rain water harvesting are to be given.
11. Provision of 100% solar lighting along the road site, stair cases, common places.
12. Plan for EWS / LIG housing provision as per Development Authority bye-laws.
13. Examine in detail the proposed site with reference to impact on infrastructure covering water supply, storm water drainage, sewerage, power, etc., and the disposal of treated/raw wastes from the complex on land/water body and into sewerage system. Consider soil characteristics and permeability for rainwater harvesting proposals, should be made to prevent ground water contamination. Maximize use of treated water by recycling and utilization of rainwater.
14. Water requirement and its management plan along with necessary permissions for discharge.
15. An underground Pucca tank with kaccha base for collection/reuse of rain water may be constructed.
16. Hydro-geological investigations to be carried out and obtain permission from Central Ground Water Authority for withdrawal of ground water.
17. Make provision for safety against failure in the operation of wastewater treatment facilities. Identify acceptable outfall for treated effluent.
18. Details of green belt as a measure for mitigation of dust and noise and buffer between habitation and proposed project.
19. Landscape plan, green belts and open spaces may be described separately.
20. Study the existing flora and fauna of the area and the impact of the project on them. There should be no basement below 15 m setback. Accordingly, the Plan should be revised and submitted.
21. Section of all internal roads should be provided. Right of way and carriage way width should be clearly marked on the map. Avoid entry/exit at point of junction of roads. Traffic movement plan in and out should be shown.
22. Examine existing crèche, education, health facilities, police, post Office, Banks and other services and make adequate provisions in the proposal.
23. Assess soil erosion in view of the soil characteristics, topography and rainfall pattern.
24. Application of renewable energy/alternate energy, such as solar and wind energy may be described including solar water heating in the guidelines for entrepreneurs.
25. Consider solid wastes, including e-waste in addition to other solid wastes and their disposal.
26. Identification of recyclable wastes and waste utilization arrangements may be made.
27. Explore possibility of generating biogas from biodegradable wastes.
28. Arrangements for hazardous waste management may be described as also the common facilities for waste collection, treatment, recycling and disposal of all effluent, emission and refuse including MSW, biomedical and hazardous wastes. Special attention should be made with respect to bird menace.
29. Provisions made for safety in storage of materials, products and wastes may be described.
30. Disaster management plan should be prepared.
31. Traffic management plan including parking and loading/unloading areas may be described. Traffic survey should be carried out both on weekdays and weekend.
32. Parking provision is to be made for higher ECS worked out either as per state bye-laws or construction manual of the MoEF. Additional parking (more than required nos. as per norms) will not be permitted.
33. Exclusive Parking area in the basement (excluding other facilities) and surface is to be clearly mentioned.

34. Provide service road for entry and exit to project site.
35. Use of local building materials should be described.
36. Consider provision of DG Flue Gas emissions to be treated in a scrubber. Stack details with provisions of sampling port for monitoring to be described. Power backup should be restricted to 50-60 % of power requirement. Plan should be revised and submitted.
37. Work out MGLC for the combined capacity of DG sets.
38. Provide for conservation of resources, energy efficiency and use of renewable sources of energy in the light of ECBC code.
39. Application of resettlement and rehabilitation policy may be described. Project affected persons should be identified and rehabilitation and resettlement plan should be prepared.
40. Examine separately the details for construction and operation phases both for Environmental Monitoring Plan and Environmental Management Plan.
41. 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 along with list of beneficiaries with their mobile nos./address.
42. Required no of trees should be proposed @ 01 tree/80 m², submit plan.
43. Project falling within 10 Km. area of Wild Life Sanctuary is to obtain a clearance from National Board Wild Life (NBWL) even if the eco- sensitive zone is not earmarked.
44. Declare/submit the running cost of STP and other environmental management services (e.g., Municipal Solid Waste Disposal, Green belt Maintenance, Water Management etc.) in the proposals which are to be including in the allotment letters. Vendors should be identified for Municipal Solid Waste Management and submitted.
45. The proponent will submit the schedule of monitoring/data collection programme to the Office of Directorate, Member Secretary, UP Pollution Control Board and District Magistrate of related District.

General Guidelines:

- a. A legal affidavit by the Project proponent on Rs. 100/- non-judicial Stamp Paper, duly attested by Public Notary, stating that:
 - I. "There is no litigation pending against the project and/or land in which the project is proposed to be set up (please give name & ownership etc. of the project) and that for any such litigation what so ever, the sole responsibility will be borne by the Project proponent."
 - II. "No activity relating to this project (i.e. name of the project) including civil construction has been undertaken at site except fencing of the site to protect it from getting encroached and construction of temporary shed(s) for the guard(s). (if fencing has not been done, then the same may be deleted).
 - III. "I/We hereby give undertaking that the data and information given in the application, enclosures and other documents are true to the best of my knowledge and belief and I/We am/are aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the Project will be revoked at our risk and cost."
 - IV. Project does not fall under any buffer zone of no-development as declared /identified under any law.
- b. Another legal affidavit by the consultant stating "(a) that the prescribed TORs have been complied with (to be deleted if not applicable) & (b) that details and the data presented are factually correct", as per MoEF circular dated 04.08.2009 is also to be submitted along with EIA.
- c. Current site photographs viewing towards the project area from four directions indicating date of photograph taken, direction from which taken, name of the project, and signature of Project proponent

along with consultant with seal should be submitted, so as to ensure that no construction has been started before the grant of EC.

- d. EIA should strictly follow the guidelines prescribed in annexure-III to the EIA notification of 2006 and the Methods of Monitoring and analysis (Annexure-IV): Guidance for assessment of representativeness and reliability of baseline environmental attributes detailed under EIA manual January, 2001 and other guidelines in the matter.
- e. The status of accreditation of the EIA consultant with NABET/QCI shall be specifically mentioned. The consultant shall certify that his accreditation is for the sector for which this EIA is prepared.
- f. On the front page of EIA/EMP reports, the name of the consultant/consultancy firm along with their complete details including their accreditation, if any shall be indicated.
- g. While submitting the EIA/EMP reports, the name of the experts associated with/involved in the preparation of these reports and the Name of laboratory through which the samples have been got analysed should be stated in the report. It shall clearly be indicated whether said laboratory is accredited by NABL or approved under the Environment (Protection) Act, 1986 (Please refer MoEF office memorandum dated 4th August, 2009). The name project leader of the EIA study shall also be mentioned.
- h. The EIA document shall be printed on both sides, as far as possible.

The Information's no (a I , II, III & c) asked under the general guidelines is to be submitted within 15 days from the date of receipt of the letter and remaining of the information's is to be submitted along with the EIA.

16. Expansion of existing molasses based distillery unit from 60 KLD to 100 KLD & co-generation of power from 2.2 MW to 4 MW at Village-Khamaria Pandit, Aira Estate, Tehsil-Dhaurahra, District-Kheri, U.P., M/s Gobind Sugar Mills Limited, Unit Distillery. File No. 4955/Proposal No. SIA/UP/IND2/39658/2019

A presentation was made by the project proponent Mr. Alok Saxena, M/s Govind Sugar Mills. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Expansion of existing molasses based distillery unit from 60 KLD to 100 KLD & co- generation of power from 2.2 MW to 4 MW at Village-Khamaria Pandit, Aira Estate, Tehsil-Dhaurahra, District-Kheri, U.P., M/s Gobind Sugar Mills Limited, Unit Distillery.
2. Comparative details of existing and expansion project:

| S no. | Attributes | For Existing 60 KLD capacity | For Proposed 100 KLD (60 KLD+40 KLD new) capacity |
|-------|-------------------------|--|--|
| 1. | Total Project Area | 3.165 Hectare | 3.165 Hectare (No additional land required) |
| 2. | Green belt area | Unit will develop 35% of total area as green belt (1.72 Hectare) | Unit will develop 35% of total area as green belt (1.72 Hectare) |
| 3. | No. of working days | 310 days per annum (as per existing EC) | 360 days per annum |
| 4. | Total Project Cost | 10738.11 Lakhs | 16,571.00 Lakhs |
| 5. | Quantity of Molasses | 270 T/DAY | 450 T/DAY (@4.5 T/ KL of Product) (316 KLD) |
| 6. | Steam Requirement | 19.0 TPH | 28.0 TPH |
| 7. | Slop fired boiler | 01 No Slop fired Boiler Capacity 20 TPH. | Existing 20 TPH boiler will be modified to 35 TPH |
| 8. | Fuel Quality & Quantity | Bagasse = 100 TPD + Slop = 175 m3/day | Bagasse = 200 TPD + Slop =248 m3/day |

| | | | |
|-----|---|--|--|
| 9. | Air Pollution Control Device | Bag Filters | Bag Filters |
| 10. | Nos. of Stack | 1 No. of Stack existing of 80.0 Meters Height. | No additional stack shall be installed. |
| 11. | Water Requirement | 560 KLD is fresh water requirement for 60 KLD distillery. | 600 KLD@6.0 KL/KL of Alcohol for industrial use, and 20 KLD for domestic purposes. Total water requirement: 620 KLD. |
| 12. | Spent wash generation | 460 KLD @ 7.6 KL/KL of product | 600 KLD@6.0 KL/KL of product |
| 13. | Waste Water Treatment | For Spent Wash Treatment: MEE + Incineration (Slop fired Boiler) For Other Effluent (Condensate, Leese, Floor washing , Blow downs) Secondary Treatment Plant is installed to achieve the Zero Discharge. | For Spent Wash Treatment: MEE + Incineration (Slop fired Boiler) For Other Effluent (Condensate, Leese, Floor washing , Blow downs) Secondary Treatment Plant shall be installed upto tertiary level to achieve the Zero Discharge. |
| 14. | Solid Waste Generation Ash from Boiler Use: | Total Ash Generated : 37 TPD Fermenter sludge: 50 TPD Use: Total Ash & sludge is being used as manure. | Total Ash Generated : 42.6 TPD Fermenter sludge: 58 TPD Use: Total Ash & sludge shall be used as manure. |
| 15. | Cost towards Environmental protection measures (Capital cost) | Rs. 815 lakhs | Rs. 400 lakhs Total: 1215 Lakhs |
| 16. | Recurring cost towards Environmental control measures. | Rs. 73 Lakhs /Annum | Rs :50 Lakhs/Annum Total: 125 Lakhs/Annum |
| 17. | Corporate Social Responsibility | 2% of total annual Profit as per the CSR Act (By Ministry of corporate affairs) Notification GSR 129 (E). | |
| 18. | Corporate Environment Responsibility (CER) | The proposed CER Cost is Rs. 248.565 Lakhs (1.5% of capital investment), as per office memorandum no. F.No.22-65/2017-IA.III dated 1st May 2018 as project is green field. | |

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

RESOLUTION AGAINST AGENDA NO-16

For the preparation of EIA report, the request was made by the project proponent to consider the exemption from public hearing. The committee discussed the matter and concurred with the request made by the project proponent and recommended to issue the terms of reference (TOR) for the preparation of EIA as mentioned in MoEFCC, OM No. J-11013/41/2008-IA-II(I) (Part) dated 29/08/2017:-

- 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, 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 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 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.
- 7) 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.
- 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):

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 peizometers 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).

17. Capacity Expansion of Cement Grinding Unit from 0.90 MTPA to 1.25 MTPA at UPSIDC Industrial Area, Phase-II, Amawan Road, Tehsil-Maharajganj, District-Reabareli, U.P., M/s Birla Corporation Ltd. File No. 4969/Proposal No. SIA/UP/IND/40115/2019

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

1. The environmental clearance is sought for Capacity Expansion of Cement Grinding Unit from 0.90 MTPA to 1.25 MTPA at UPSIDC Industrial Area, Phase-II, Amawan Road, Tehsil-Maharajganj, District-Reabareli, U.P., M/s Birla Corporation Ltd.
2. Salient features details:

| Description | Details |
|----------------------------|--|
| Total land requirement | No additional land is required for the expansion. The existing land is 3.68 ha |
| Water requirement & source | Existing water requirement is about 145 KLD. Proposed additional water |

| | |
|----------------------------|---|
| | <p>requirement is about 5 KLD. Total water requirement after expansion is about 150 KLD. Water demand is being met from the ground water sources.</p> <p>Recommendation from Central Ground Water Board (CGWB), Lucknow for issuance of NOC for abstraction of 150 KLD of ground water from CGWA vide letter no.10(1)/CGWA/NR/GWC/15/6469, dated: 29/11/2018.</p> |
| Power requirement & source | <p>Existing power requirement is 4.50 MVA which is sufficient for production capacity after expansion of the grinding unit.</p> <p>Source: State Grid of Uttar Pradesh Power Corporation Limited (UPPCL).</p> |
| Manpower requirement | <p>Operation phase : 55</p> <p>Construction phase : Around 100 (including operation manpower)</p> |

3. Raw material details:

| Raw Material Required | Quantity (MTPA) | | | Source | Mode of Transportation |
|-----------------------|-----------------------|-----------------------|--------------------|---|------------------------|
| | Existing (0.900 MTPA) | Proposed (0.350 MTPA) | Total (1.250 MTPA) | | |
| Clinker | 0.5760 | 0.2240 | 0.8000 | Integrated cement plant of RCCPL Ltd- Maihar, & BCL-SCW, Dist. Satna, | By road/rail |
| Gypsum | 0.0315 | 0.0123 | 0.0438 | Rajasthan mines, J&K and imported gypsum from nearby countries | By road |
| Fly ash | 0.2925 | 0.1138 | 0.4063 | NTPC Unchahar, Rosa & Bara, power plants and nearby sources | By road |
| Total | 0.900 | 0.350 | 1.250 | - | - |

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

RESOLUTION AGAINST AGENDA NO-17

For the preparation of EIA report, the request was made by the project proponent to consider the exemption from public hearing and for the preparation of EIA report, the request was made by the project proponent to consider the monitoring data for the period of March to May, 2019. The committee discussed the matter and concurred with the request made by the project proponent and recommended to issue the terms of reference (TOR) for the preparation of EIA as mentioned in MoEFCC, OM No. J-11013/41/2008-IA-II(I) (Part) dated 29/08/2017:-

- 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 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.
- 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. 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
- 6) 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.
- 7) 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.
- 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) 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.
- 12) Limestone and coal linkage documents along with the status of environmental clearance of limestone and coal mines
- 13) Quantum of production of coal and limestone from coal & limestone mines and the projects they cater to;
- 14) 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.
- 15) 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.
- 16) If the raw materials used have trace elements, an environment management plan shall also be included.
- 17) Plan for the implementation of the recommendations made for the cement plants in the CREP guidelines must be prepared.
- 18) Energy consumption per ton of clinker and cement grinding
- 19) Provision of waste heat recovery boiler
- 20) Arrangement for use of hazardous waste

18. "OPPO India Manufacturing Unit" at Plot No.- 1-A & B, Ecotech-VI, Industrial Area, Greter Noida, District- Gautam Buddha Nagar, U.P., M/s OPPO Mobiles India Pvt. Ltd. File No. 5002/Proposal No. SIA/UP/NCP/41428/2019

RESOLUTION AGAINST AGENDA NO-18

Chronologically the case was taken up in today's agenda. The project proponent requested SEAC vide email dated 02/09/2019 to defer the case for next SEAC meeting dated 12/09/2019. Chairman, SEAC granted the permission as so to put up the case in SEAC meeting dated 12/09/2019. Hence, the case was deferred for the next meeting. The Chairman, SEAC also deliberated to revise the agenda accordingly.

19. Common Biomedical Waste Treatment Plant at Khasra No.-906/13, Village- Gadery, District-Mainpuri,U.P., M/s Green House Waste Management. File No. 4588/Proposal No. SIA/UP/MIS/30136/2018

RESOLUTION AGAINST AGENDA NO-19

The SEAC noted that the case has been referred back by SEIAA vide its minutes of meeting held on 01/08/2019 in accord to “the complainant should be asked to appear in next SEAC meeting alongwith documentary evidence regarding the complaint.” A letter was issued by the Secretariat to the complainer vide dated 05/09/2019 informing the concerned to be present alongwith his grievance in the proposed SEAC meeting dated 11/09/2019.

The case was thus considered in today’s meeting but the complainant failed to appear in the meeting while the project proponent produced letter no. CMO/Bio.D.Waste/Nirdesh/2019-20-3744, dated 31/08/2019 issued by Chief Medical Officer, Mainpuri through which it is evident that the Manager, M/s Green House Waste Management, House No. 906/13, Mauza Garedhi, District Mainpuri has been invited by Chief Medical Officer, Mainpuri in the review meeting of District Magistrate, Mainpuri to cooperate in disposal of Bio Medical Waste by establishing Green House Plant in District, Mainpuri.

The committee discussed the matter and again recommended to issue terms of reference (TOR) for the preparation of EIA regarding the project as earlier prescribed in 389th SEAC meeting dated 21/02/2019.

(Dr. Arvind Mathur)
Member

(Dr. Virendra Misra)
Member

(Dr. Pramod Kumar Mishra)
Member

(Dr. Richhpal Singh Sangu)
Member

(Dr. Ranjeet Kumar Dalela)
Member

(Shri Ramesh Chand Kataria)
Member

(Prof. S.K. Upadhyay)
Member

(Dr. Ajoy Kumar Mandal)
Member

(Shri Meraj Uddin)
Member

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