

Minutes of 425th SEAC Meeting Dated 11/10/2019

The 425th meeting of SEAC was held in Directorate of Environment, U.P. on 11/10/2019 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. | Shri Meraj Uddin, | Member |
| 7. | Shri Rajive Kumar, | Member |

The Chairman welcomed the members to the 425th SEAC meeting.

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

1. **IT/ITES Project at Plot No.-7, Sector-Techzone 4, Greater Noida, District-Gautam Buddha Nagar, U.P. M/s A.L. Softweb Pvt. Ltd. File No. 4808/4506 /Proposal No. SIA/UP/MIS/35956/2018**

RESOLUTION AGAINST AGENDA NO-01

The committee discussed the matter and directed to defer the matter due to incomplete documents submitted by the project proponent. The matter shall be discussed after submission of complete signed documents on prescribed online portal.

2. **Capacity Expansion from 16,804 KL to 17,862 KL (i.e. 1,058 KL additional capacity: 858 KL capacity for Bio Diesel A/G based Cone roof tank and 200 KL capacity for Ethanol based U/G tank) at BPCL Anola Depot., Village-Noorpur, Tehsil- Anola, Bareilly. M/s BPCL. File No. 4853/Proposal No. SIA/UP/IND2/34522/2019**

RESOLUTION AGAINST AGENDA NO-02

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.

3. **IT/ITES "Noida World One" at Plot No.- 01, Sector- 90, Noida, Gautam Budha Nagar., M/s CBS International Projects Pvt. Ltd. File No. 4653/Proposal No. SIA/UP/NCP/30823/2018**

RESOLUTION AGAINST AGENDA NO-03

The committee discussed the matter and directed to defer the matter due to incomplete documents submitted by the project proponent. The matter shall be discussed after submission of complete signed documents on prescribed online portal.

4. Group Housing Project "Vinayak Apartment" at Sector- 7 B, Majhola Yojna, Part-II, Moradabad, U.P., M/s Maya Nagar Sahkari Awas Samiti Ltd. File No. 4897/Proposal No. SIA/UP/MIS/108325/2019

The committee noted that the matter was earlier discussed in 412th SEAC meeting dated 24/07/2019 and the project proponent did not appear in the meeting. The project proponent through letter dated 29/08/2019 has requested to list the matter in next SEAC meeting. Hence, the matter was listed in 425th SEAC meeting dated 11/10/2019.

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

1. The environmental clearance is sought for Group Housing Project "Vinayak Apartment" at Sector- 7 B, Majhola Yojna, Part-II, Moradabad, U.P., M/s Maya Nagar Sahkari Awas Samiti Ltd.
2. Total plot area of the project is 16,318 sqm and total built-up area will be 28,427.633 sqm. Construction work was started at project site in Feb, 2015 & upto Oct, 2016 and approx. 60.32% (17,148.353sqm) built-up area has been constructed at site without getting environmental clearance.
3. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 341/Para/SEAC/4344/2018 dated 20/08/2018 under the violation category as per MoEF&CC notification dated 08/03/2018. EIA report submitted by the project proponent on 29/08/2019.
4. Salient features of the project:

| PROJECT FEATURES | DETAILS |
|--|---|
| Estimated Population | Avg. 1407 persons |
| Estimated Water Requirement with source Operation Phase | Water requirement = 117.13 KLD (Source will be Municipal water supply) Domestic water requirement Non Rainy Season= 108.6 KLD Rainy Season=108.6 KLD |
| Estimated waste water generation and treatment | 112 KLD [STP of 150 KLD with MBBR Technology] |
| Power Demand and Source Power Back-up | 1250 KW; Uttar Pradesh Power Corporation Limited. DG set of total capacity of 880 kVA |
| Solid Waste Generation | 536 kg/day |
| Parking Facilities Required Provided | 306 ECS (as per State Bye-Laws) 306 ECS |
| Project Cost | INR 22 Crore. |

5. Area details of the project:

| S. No. | Particulars | Area (Sqm) |
|--------|------------------------------------|------------|
| 1. | Plot Area | 16,318 |
| 2. | Permissible Ground Coverage (@35%) | 5711.3 |
| 3. | Proposed Ground Coverage (@27.9%) | 4556.8 |
| 4. | Permissible FAR (@150%) | 24,477 |
| 5. | Proposed FAR (@141%) | 23,163.22 |
| 6. | Built-Up Area | 28,427.633 |
| 7. | Green Area | 3777.201 |
| 8. | No. of Dwelling Units | 245 |
| 9. | No. of Towers | 8 (A to H) |
| 10. | Maximum No. of Floors | S + 10 |

6. Population details of the project:

| S. No. | Particulars | Population |
|--------|----------------------------------|--------------|
| 1. | Residential Population (245 DUs) | 1225 |
| 2. | Staff | 35 |
| 3. | Visitors | 147 |
| TOTAL | | 1407 persons |

7. Water requirement details:

| S. No. | Particulars | Occupancy | Per Capita Water Demand (lpcd) | Water Requirement (KLD) |
|----------------------|-------------------------|-----------|--------------------------------|-------------------------|
| 1. | Residents | 1225 | 86 | 105.36 |
| 2. | Staff | 35 | 30 | 1.05 |
| 3. | Visitors | 147 | 15 | 2.20 |
| Total Domestic Water | | | | 108.61 KLD |
| 4. | Horticulture (3777 sqm) | 1 l/sqm | | 3.77 KLD |
| 5. | DG Cooling (880 kVA) | 0.9 l/kVA | | 4.75 KLD |
| TOTAL WATER DEMAND | | | | 117.13 KLD |
| STP capacity 150 KLD | | | | |

8. Solid waste details:

| S. No. | Particulars | Norms (kg/capita/day) | Waste generated (kg/day) |
|-------------------|----------------------------|-----------------------|--------------------------|
| 1. | Residents (1225) | @ 0.40 | 490 |
| 2. | Staff (35) | @ 0.25 | 9 |
| 3. | Visitors (147) | @ 0.15 | 22 |
| 4. | Landscape waste(0.93 acre) | 0.2 kg/acre/day | 0.18 |
| 5. | STP Sludge | | 11.11 |
| 6. | E - waste | | 3.4 |
| TOTAL SOLID WASTE | | | 536 kg/day |

9. Parking details:

| S. No. | Particulars | Norms | ECS |
|------------------------|---|-------------------------------------|--------------------------------|
| 1. | Parking required as per Bye laws | 1.25 ECS/100 sqm of Permissible FAR | $1.25 \times 24,477/100 = 306$ |
| 2. | Parking required as per MoEFCC norms | 1 ECS/100 sqm of Proposed FAR | $1 \times 23,163.22/100 = 232$ |
| 3. | <u>Parking proposed:</u> Open parking Stilt parking | 23 sqm/ECS 28 sqm/ECS | 154 152 |
| TOTAL PARKING PROPOSED | | | 306 ECS |

10. The project proposal falls under category–8(a) of EIA Notification, 2006 (as amended) and MoEF&CC violation notification dated 08/03/2018.

RESOLUTION AGAINST AGENDA NO-04

The committee discussed the matter in view of EIA Notification, 2006 (as amended) and also notification dated 08/03/2018 of MoEF&CC and recommended grant of environmental clearance under violation category for the project proposal along with following conditions :

1. The project proponent shall be submit a bank guarantee of Rs. 33.0 Lakhs equivalent to the amount of remediation plan and natural and community resource augmentation plan within 15 days to the SPCB. The bank guarantee shall be released after successful implementation of the EMP, and after the recommendations of the concerned Regional Office of the Ministry, the SEAC and approval of the regulatory authority.

2. The State Govt./SPCB to take credible action against the project proponent under the provisions of section 19 of Environment Protection Act, 1986.
3. Solar energy to be used alternatives on the road and common places for illumination to save conventional energy as per ECBC Code.
4. 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.
5. 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.
6. 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.
7. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
8. 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.
9. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
10. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
11. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
12. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
13. 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.
14. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
15. 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).
16. 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.
17. 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.
18. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
19. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
20. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
21. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
22. Corporate Environmental Responsibility (CER) (Rs. 44.0 Lakhs) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution

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

5. Group Housing Scheme "Aarna Apartment" at Khasra No.-139, 143, 144, 145, 146, 147, 2413, at Batawali, Mustakham, District-Moradabad, U.P. M/s Shail Promoters And Consultants. File No. 4889/Proposal No. SIA/UP/MIS/108571/2019

RESOLUTION AGAINST AGENDA NO-05

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.

6. Development of Technical Training and Development Center Complex at Plot No.-A 3&4, Sector-62, Phase-II, Noida, U.P. M/s NTPC Ltd. File No. 4869/Proposal No. SIA/UP/MIS/108100/2019

The committee noted that the matter was earlier discussed in 410th SEAC meeting dated 11/07/2019 and the project proponent did not appear in the meeting. The project proponent through letter dated 25/09/2019 has requested to list the matter in next SEAC meeting. Hence, the matter was listed in 425th SEAC meeting dated 11/10/2019.

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

1. The environmental clearance is sought for Development of Technical Training and Development Center Complex at Plot No.-A 3&4, Sector-62, Phase-II, Noida, U.P. M/s NTPC Ltd.
2. The technical training & Development Centre Complex measures on a plot area of 80,000 sqm (19.768 acres) with built-up area of 1,08,795 sqm. Development of greenbelt has been planned over an area of 32,729 sqm.
3. The technical and training centre will have academic block, hostel blocks, recreational block and exhibition block.
4. Salient features of the project:

| Sr. No. | PARTICULARS | Details |
|---------|-----------------------------|--|
| 1. | Total Plot Area | 80,000 m ² |
| 2. | Total Built up Area | 1,08,795 m ² |
| 3. | Landscape Area | 32,729 m ² |
| 4. | Estimated Population | 4,240 |
| 5. | Total water requirement | 306 KLD |
| 6. | Fresh water requirement | 188 KLD |
| 7. | Wastewater generation | 196 KLD |
| 8. | STP capacity | 240 KLD |
| 9. | Total Power Requirement | 5,678 KW |
| 10. | Total Power Backup | 4 DG sets of total capacity 4250KVA (3 x1250KVA+ 1 x 500 KVA) |
| 12. | Total solid waste generated | 986.496 kg/day |
| 13. | Parking Details (in ECS) | 1,027 ECS |
| 14. | Rain Water Harvesting Pits | 10 |

5. Area details of the project:

| S. No. | Description | Area (in sqm) | Percentage of plot area |
|--------|--|---------------|-------------------------|
| 1 | Total Plot Area | 80,000 | 100 |
| 2 | Permissible Ground Coverage @ 35% of plot area | 28,000 | |
| 3 | Ground Coverage Achieved @24.26 of plot area | 19,407.05 | 24.26 |
| 4 | Open Area @75.74 of plot area | 60,592.95 | |
| 5 | Required Green Area @ 50% of open area | 30,296.48 | |
| 6 | Green Area Proposed @ 54.01% of open area | 32,729 | 40.9 |
| 7 | Area for surface parking @ 9.06% of plot area | 7,249 | 9.06 |
| 8 | Area under roads/pavements/miscellaneous @ 25.77% of plot area | 20,614.95 | 25.27 |
| 9 | Total Permissible FAR @1.5 of plot area | 1,20,000 | |
| 10 | Total FAR achieved @ 0.95 of plot area | 76,307.11 | |
| 11 | Permissible Service area @ 15% of permissible FAR | 18,000.00 | |
| 12 | Proposed Services area @ 6.99% of permissible FAR | 8,385.51 | |
| 13 | Proposed Non- FAR [13(a)+13(b)] | 24,102.38 | |

| | | | |
|--------|-------------------------|-------------|--|
| 13 (a) | Basement-1 | 12,051.19 | |
| 13 (b) | Basement-2 | 12,051.19 | |
| 14 | Built up Area(10+12+13) | 1,08,795.00 | |
| 15 | Maximum building height | 41.75 m | |

6. Built up area calculation details:

| S.No | Blocks | Floors | Ground Coverage (Sqm) | FAR Area (Sqm) | Services area(Sqm) | Non-FAR Area (Sqm) | Built up area(Sqm) |
|-------|--------------------|---------------------|-----------------------|----------------|--------------------|--------------------|--------------------|
| 1 | Hostel Block | G+11 | 2,668.48 | 25,074.82 | 2,391.61 | | 27,466.43 |
| 2 | Recreational Block | G+4 | 4,390.39 | 11,184.32 | 1,242.69 | | 12,427.01 |
| 3 | Exhibition Block | G+Mezzanine floor+3 | 6,638.50 | 20,985.80 | 3,508.42 | | 24,494.22 |
| 4 | Academic Block | G+3 | 5,709.70 | 19,062.17 | 1,242.79 | | 20,304.96 |
| 5 | Basement 1 | | | | | 12,051.19 | 12,051.19 |
| 6 | Basement 2 | | | | | 12,051.19 | 12,051.19 |
| Total | | | 19,407.07 | 76,307.11 | 8,385.51 | 24,102.4 | 1,08,795.00 |

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

RESOLUTION AGAINST AGENDA NO-06

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

1. Solar energy to be used alternatives on the road and common places for illumination to save conventional energy as per ECBC Code.
2. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
3. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
4. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
5. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
6. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
7. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
8. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
9. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
10. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
11. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
12. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
13. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State

Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).

14. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
15. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
16. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
17. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
18. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
19. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
20. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
21. No parking shall be allowed outside the project boundary.
22. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
23. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
24. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
25. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
26. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
27. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
28. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area and pollution also reduced. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
29. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.

30. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
31. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
32. All the internal drains are to be covered till the disposal point.
33. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
34. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

7. Common Biomedical Waste Treatment Facility at Khasra no. 56, Village-Ajijpur, Tehsil-Kosikalan, District-Mathura, U.P., M/s RGL Pure Solutions Pvt. Ltd. File No. 4577/Proposal No. SIA/UP/MIS/29986/2018

The committee noted that the matter was earlier discussed in 386th SEAC meeting dated 06/02/2019 and the project proponent was directed as follows:

“A presentation was made by the project proponent along with their consultant M/s Pragathi Labs & Consultants Pvt. Ltd. The committee discussed the matter and noted that there is sitting guidelines that another facility within the 75 KM radius can only be established if the existing facility has already achieved a target of 10,000 beds. As one facility already exists in 75 KM radius, therefore a letter from CMO indicating that they have already achieved 10,000 beds in the existing Biomedical Waste Treatment Facility may kindly be submitted.”

The project proponent submitted their replies through letter dated 30/08/2019. Hence, the matter was listed in 425th SEAC meeting dated 11/10/2019. A presentation was made by the project proponent along with their consultant M/s Pragathi Labs & Consultants Pvt. Ltd. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Common Biomedical Waste Treatment Facility at Khasra no. 56, Village-Ajijpur, Tehsil- Kosikalan, District-Mathura, U.P., M/s RGL Pure Solutions Pvt. Ltd.
2. Salient features of the project:

| Items | Particulars |
|--|--|
| Location of the project | Khasra No. 56, Ajijpur (V), Kosikalan (T), Mathura (D), U. P. |
| | Latitude – 27°46’33.90” N , Longitude - 77°28’01.70” E |
| | Topo sheet no. 54E5, 54E6, 54E9 & 54E10 |
| Project Proponent | Shri Rishabh Singh, Director (M/s. RGL Pure Solutions Pvt. Ltd) |
| Cost of the project | Rs. 2.55 crore |
| Treatment facility | 1. Double chamber incinerator-250 kg/hr, 2. Autoclave-200 L, 3. Shredder-25 kg/hr, 4. ETP-6 KLD, 5. Vehicles-06 nos. |
| Water requirement & source | 10 KLD from tube wells at the project site |
| Power source | UPEDCL, Kosikalan Sub Station |
| Nearest Highway (NH-02) | 0.6 km, SW |
| Nearest Water Body | None within 10 km radius |
| Reserved Forest (RF) | 1. Bathain Kalan RF, 8 km, SW & |
| | 2. Kotban RF, 8.5 km, NW |
| National park / Wildlife sanctuaries / Defense installations | None within 10 km radius |
| Nearest Railway station | 1. Kosikalan Railway Station – 2.5 km, NW |
| | 2. Central Railway line is passing from NW to SE, 0.8 km |

| | |
|-----------------------------------|--|
| Nearest habitation (village) | Ajijpur village – SW (Population: 3340, census-2011) |
| Nearest major habitation (tehsil) | Kosikalan – 2.5 km, NW (Population: 60,074, census-2011) |

3. Area details of the project:

| No. | Area | Land (m ²) |
|-------|-------------------------------|------------------------|
| 1 | Incinerator shed | 372 |
| 2 | Autoclave/ Shredder room | 111 |
| 3 | Effluent Treatment Plant | 88 |
| 4 | Self-Supported Chimney | 09 |
| 5 | Untreated Waste Storage | 488 |
| 6 | Vehicle Parking/ Washing Slot | 84 |
| 7 | Waste Unloading Bay | 325 |
| 8 | Store Room | 167 |
| 9 | Green Belt | 1393 (33%) |
| 10 | Open area | 1143 |
| Total | | 4180 |

4. Manpower details:

| No. | Particulars | Nos. |
|-------|--------------------------------------|------|
| 1 | Project/ Plant Manager | 1 |
| 2 | Chief Operator of Equipment's | 1 |
| 3 | Assistant Operators | 2 |
| 4 | Office Staff | 3 |
| 5 | Drivers | 6 |
| 6 | Helpers with the Vehicles | 6 |
| 7 | Workers on the Floor at the Facility | 6 |
| 8 | Security Personnel | 4 |
| 9 | Marketing & Business development | 6 |
| 10 | Fleet Manager | 2 |
| 11 | GM – HR | 1 |
| 12 | GM – Operations | 1 |
| Total | | 39 |

5. Bio medical waste generation details:

| No. | Description | Quantity |
|-----|--|----------|
| 1 | Total number of hospital beds | 8000 |
| 2 | Average occupancy ratio | 80% |
| 3 | Average number of hospital beds occupied | 6400 |
| 4 | Average bio-medical waste generated per bed | 0.450 kg |
| 5 | Average bio-medical waste generated per day from hospitals | 2880 kg |
| 6 | Incinerable waste per day | 820 kg |
| 7 | Waste for sterilization and shredding per day | 1780 kg |
| 8 | General (Non – Infectious) waste per day | 280 kg |

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

RESOLUTION AGAINST AGENDA NO-07

The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA regarding the project as follows:

- Reasons for selecting the site with details of alternate sites examined/rejected/selected on merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental damages, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.

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

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

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

8. Setting up new 20 MLD CETP, 900 KLD CCRU and 200 KLD ZLD Pilot Plant at CETP Complex, Jajmau, Kanpur Nagar, UP, M/s Jajmau Tannery Effluent Treatment Association. File No. 4445/Proposal No. SIA/UP/MIS/28592/2018

The committee noted that the terms of reference for the above project was issued by SEIAA, U.P. vide letter no. 544/Parya/SEAC/4445/2018, dated 30/11/2018. The project proponent submitted online application on 05/09/2019 regarding amendment in terms of reference issued by SEIAA letter dated 30/11/2019. The matter was listed in SEAC meeting dated 11/10/2019.

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

1. The proposal of set up CETP has been revised, only new 20 MLD CETP along with 900 KLD CCRU and 200 KLD ZLD Pilot Plant is being proposed. In earlier proposal existing CETP was to be modified along with setting up 20 MLD CETP.
2. Now new CETP site land of 28.80 Acre has been allotted vide letter no 2755/9-5-19-161 sa/2019 dated 12th July 2019. The land has been allocated for implementation of 20 MLD CETP by Principle Secretary Urban Development Govt of UP.
3. The above-mentioned allotment of land is specifically for "Land allocation for Implementation of 20 MLD CETP up-to tertiary treatment along with Treated Sewage Dilution Facility for Jajmau Leather cluster" in the same campus where CETP and STPs are already functional. The NOC for the site land has been issued by GM Ganga Pollution Control Unit, UP Jal Nigam Kanpur vide letter no 2066/W-48/7 Dated 20.07.2019.
4. That the land for the new CETP and also functional CETP and STPs were acquired vide Gazette Notification no. 4170/1X-2-87-5I-L.A.(7)-86 dated 08.12.1987 which is much before EIA Notification 2006.
5. The above land is duly demarcated for construction of Ganga Pollution Control Unit in Kanpur by U.P Jal Nigam, Kanpur. Gazette Notification and map mentioning said area by UP Jal Nigam.
6. As per 2021 Master Plan of the Kanpur, approved before EIA Notification 2006, the land is demarcated for industry use only.

7. As per the para 3 of OM J-11013/36/2014-IA-I dated 04.04.2016 there is a list of activities on which Public consultation is compulsory. CETP is not listed in the same, hence public consultation can be exempted. This fact has been reiterated by MoEF&CC vide their letter no 22-48/2018-IA.III dated 25.07.2019.
8. The proposed Project is not setting up Tannery Unit but it is to control the pollution by treating the effluent of the nearby tanneries hence, will benefit the environment. Therefore, the project is in the Public interest and non exemption of Public Hearing will result in further delay in implementation of CETP.
9. This project is being implemented as per the directions of NGT and is being monitored by National Mission for Clean Ganga (NMCG) and JTETA which is under the chairmanship of District Magistrate Kanpur.

In view of above, the project proponent requested to exempt the project proposal for the public consultation on the above ground and amend the terms of reference issued by SEIAA, U.P. vide letter no. 544/Parya/SEAC/4445/2018, dated 30/11/2018 as details given below:

| Details mentioned in terms of reference dated 30/11/2018 | Amendments proposed in terms of reference dated 30/11/2018 | | | | | | | | | | | | | | | |
|---|---|---|-------------|---------|----|------|---|------|---------|--------------------------------|------------------|--------------------|-------------------------------|----|--------------|---|
| <div>1. The environmental clearance is sought for Modernization of Existing Common Effluent Treatment Plant (CETP) for Tannery Cluster at Village-Jajmau, Tehsil-Bilhaur, District-Kanpur Nagar, U.P. M/s Jajmau Tannery Effluent Treatment Association.</div> <div>2. The proposed project is installation of new CETP of 20 MLD (Effluent – 18 MLD & Sewerage- 2 MLD) on the existing vacant land to treated effluent generated from 380 tannery units present in Jajmau tannery cluster.</div> <div>3. The capacity of the existing CETP at Jajmau has been designed only for Tannery waste water discharge of 9 MLD (total Capacity 36 MLD: - Effluent: 9 MLD & Sewerage: 27 MLD). The existing CETP is not adequate for treatment of effluent generated from tannery units to achieve standards given by MoEF&CC. The existing CETP was established in 1993.</div> <div>4. The proposed project is also introducing modernization of existing CCRU unit from 70 KLD to 900 KLD to recover chrome from waste water and reuse of chrome and salts, new collection & Conveyance system to improve the collection and avoid bye-passing of the inflow coming to CETP.</div> <div>5. Existing CETP (36 MLD) will be converted into STP of 36 MLD after the retrofitting of the existing structure. It will be used to treat sewerage of Kanpur area.</div> <div>6. New CETP of 20 MLD up to UF treatment in Phase-1 and RO treatment in Phase-2 (based on Low Loaded Extended Aeration biological treatment).</div> <div>7. Modernization of existing Common Chrome Recovery Unit from 70 KLD to 900 KLD.</div> <div>8. Pilot plant of 200 KLD for R&D purpose.</div> <div>9. Retrofitting of existing CETP to STP of 36 MLD (based on UASB).</div> <div>10. To meet the CETP discharge standards for treated effluent quality norms as per the MoEF & CC notification dated Jan 1, 2016, except TDS and its related parameters (Sulphates & Chlorides). This can be achieved through having Primary, Secondary &</div> | <div>1. The environment Clearance is sought for setting up new 20 MLD CETP, 900 KLD CCRU and 200 KLD ZLD Pilot Plant by M/s Jajmau Tannery Effluent Treatment Association (JTETA) at CETP Complex, Jajmau, Kanpur Nagar, UP.</div> <div>2. The proposed project is dilution based 20 MLD CETI (Effluent 18 MLD and sewerage 2 MLD) on 28.80 Acre land allotted by Govt. of UP vide letter no 2755/9-5-19-161sa/2019 dated 12.07.2019 at Jajmau, Kanpur Nagar, Uttar Pradesh.</div> <div>3. New CTP of 20 MLD upto UF treatment in phase I and RO treatment in phase II is proposed to be constructed based on Low Loaded Extended Aeration biological treatment.</div> <div>4. It is also proposed to setup a new CCRU having capacity of 900 KLD and a Pilot ZLD Plant of 200 KLD for R&D Purpose.</div> <div>5. The proposed CETP is to designed to meet discharge standards for treated effluent quality norms as per MoEF&CC notification dated 01.01.2016, except TDS and its related parameters (sulphates and chlorides).</div> <div>6. The new closed collection & conveyance system will be laid down for collection of effluent coming to CETP.</div> <div>7. Spent Chrome liquor collection from each tannery units through tankers to CCRU of 900 KLD capacity and further reuse of Chromium in the unit.</div> <div>8. Salient Features of the Project:</div> <table><tr><th>S.No</th><th>Description</th><th>Details</th></tr><tr><td rowspan="4">1.</td><td>CETP</td><td>Phase 1: 20 MLD upto UF Treatment Phase 2: 20 MLD RO Treatment plant</td></tr><tr><td>CCRU</td><td>900 KLD</td></tr><tr><td>Collection & Conveyance System</td><td>Closed Pipe line</td></tr><tr><td>Pilot Plant (CETP)</td><td>200 KLD with R.O. & MEE plant</td></tr><tr><td>2.</td><td>Project Cost</td><td>Phase 1: Rs. 511 Crore Phase 2: Rs. 69 Crore</td></tr></table> | S.No | Description | Details | 1. | CETP | Phase 1: 20 MLD upto UF Treatment Phase 2: 20 MLD RO Treatment plant | CCRU | 900 KLD | Collection & Conveyance System | Closed Pipe line | Pilot Plant (CETP) | 200 KLD with R.O. & MEE plant | 2. | Project Cost | Phase 1: Rs. 511 Crore Phase 2: Rs. 69 Crore |
| S.No | Description | Details | | | | | | | | | | | | | | |
| 1. | CETP | Phase 1: 20 MLD upto UF Treatment Phase 2: 20 MLD RO Treatment plant | | | | | | | | | | | | | | |
| | CCRU | 900 KLD | | | | | | | | | | | | | | |
| | Collection & Conveyance System | Closed Pipe line | | | | | | | | | | | | | | |
| | Pilot Plant (CETP) | 200 KLD with R.O. & MEE plant | | | | | | | | | | | | | | |
| 2. | Project Cost | Phase 1: Rs. 511 Crore Phase 2: Rs. 69 Crore | | | | | | | | | | | | | | |

- Tertiary treatment upto Ultra Filtration (UF) stage.
11. To achieve Water Recovery through incorporation of Tertiary Treatment with RO Systems to comply with the Hon'ble NGT Judgment, which restricts the effluent released to the river to only 25% of the total discharge. This means the CETP is to recycle and reuse a minimum of 75% of the treated effluent for industrial units at Jajmau, agriculture or horticulture activity in that area or nearby areas and for cooling purpose of the power plants located in close vicinity.
 12. The existing open drain effluent collection & conveyance system needs to be replaced with underground sewer pipes to improve the collection and avoid bye-passing of the inflow coming to CETP.
 13. Spent Chrome liquor collection from each Tannery units through tankers to CCRU of 900 KLD capacity and further reuse of Chromium in the unit.
 14. Salient features of the project:

| S.N. | Description | Details |
|------|----------------------------------|--|
| 1. | CETP | Phase 1: 20 MLD upto UF Treatment Phase 2: Addition RO treatment |
| | STP | 36 MLD |
| | CCRU | 900 KLD (Existing: 70 KLD & after expansion: 900 KLD) |
| | Collection & Conveyance System | Closed Pipe line |
| | Pilot Plant (CETP) | 200 KLD with R.O. & MEE plant |
| 2. | Project Cost | Phase 1: Rs. 511 Crore Phase 2: Rs. 69 Crore Total: Rs. 580 Crore |
| 3. | Total Plot Area | 52.4 Acre |
| 4. | Manpower | 68 |
| 5. | Power Requirement | Phase 1: 7.5 MW Phase 2: 1.9 MW Total: 9.4 MW |
| 6. | Power Backup | Phase 1: 10 x 1000 KVA Phase 2: 2 x 1000 KVA Total: 12 x 1000 KVA |
| 7. | Operation of Hours | 24 |
| 8. | Domestic Water Requirement (KLD) | 63 KLD Fresh: 3 KLD (Source: Municipal Supply) Treated: 60 KLD (Source: Treated water) |
| 9. | Domestic Waste Water Generation | 2.5 KLD (to be discharged to proposed STP) |

15. Land use details:

| Land Use | Area in Acre | % |
|-----------------------|--------------|-------|
| CETP | 20.58 | 39.27 |
| Salt & Sludge Area (3 | 2.45 | 4.67 |

| | | |
|-----|-------------------------|---|
| | | Total: Rs. 580 Crore |
| 3. | Total Plot Area | 11.65 ha or 28.80 Acre |
| 4. | Manpower | 68 |
| 5. | Power Requirement | Phase 1: 7.5 MW Phase 2: 1.9 MW Total: 9.4 MW |
| 6. | Power Backup | Phase 1: 10 x 1000 KVA Phase 2: 2 x 1000 KVA Total: 12 x 1000 KVA |
| 7. | Operation of Hours | 24 |
| 8. | Effluent to be treated | 20 MLD (Effluent: 18 MLD & Sewerage: 2 MLD) |
| 9. | Dilution Water Required | 173 MLD (Out of available 205 MLD from existing installed STPs.) |
| 10. | Water Requirement (KLD) | Total- 63 KLD Fresh: 3 KLD & Treated: 60 KLD |
| 11. | Wastewater Generation | 2.5 KLD (to be discharged to CETP) |

9. Land Use Details:

| Land Use | Area (Ha) | Percentage |
|-------------------------------------|-----------|------------|
| 20 MLD CETP | 4.65 | 39.90 |
| Salt & Sludge Area (3 months) | 0.15 | 1.29 |
| Common Chrome Recovery Plant (CCRU) | 0.25 | 2.15 |
| Green Area | 4.22 | 36.21 |
| Admin Building | 0.17 | 1.46 |
| ZLD pilot plant | 0.4 | 3.43 |
| Sub station | 0.004 | 0.03 |
| Road | 0.15 | 1.29 |
| Future Expansion | 1.66 | 14.24 |
| Total | 11.65 | 100.00 |

10. Waste generation details:

• MUNICIPAL WASTE:

| Category | Type of Waste | Color of Bins | Disposal Method | Total Waste (Kg/day) |
|-------------------|------------------|---------------|---------------------|----------------------|
| Biodegradable | Organic Waste | Green | MSW Site | 8 |
| Non-Biodegradable | Recyclable Waste | Blue | Authorized Recycler | 4 |
| - | Total | - | | 12 Kg/day |

• PROCESS WASTE:

| Type of waste | Source of waste | Quantity | Disposal |
|---------------|-----------------|----------|----------|
|---------------|-----------------|----------|----------|

| | | |
|-------------------------------------|-------|-------|
| months) | | |
| Common Chrome Recovery Plant (CCRU) | 1.52 | 2.90 |
| Green Area | 12.95 | 24.71 |
| Admin Building | 1.37 | 2.615 |
| STP area | 7.0 | 13.35 |
| Sub station | 3.02 | 5.76 |
| Other | 3.51 | 6.70 |
| Total | 52.40 | 100 |

16. Waste generation details:

| Category | Type of Waste | Color of Bins | Disposal Method | Total Waste (Kg/day) |
|-------------------|------------------|---------------|---------------------|----------------------|
| Bio Degradable | Organic Waste | Green | MSW Site | 8 |
| Non-Biodegradable | Recyclable Waste | Blue | Authorized Recycler | 4 |
| - | Total | - | | 12 Kg/day |

• **Process Waste:**

| Type of Waste | Source of waste | Quantity | Disposal |
|---------------|--------------------------------------|---------------|---|
| CETP Sludge | Bio-sludge from Biological Treatment | 10.8 Tons/day | It will be used as manure as it contains important nutrients. |
| STP Sludge | STP Sludge | 14.5 Tons/day | It will be used as manure as it contains important nutrients. |
| MEE Salt | From Pilot plant | - | MEE salt will be reused in the Tannery and Slaughter house |

• **Hazardous Waste:**

| Source of Sludge | Quantity (Tons/day) | Disposal |
|---|---------------------|--|
| Sludge from Pre-settling Tank | 11.7 | TSDF Site |
| Chemical Sludge from Clariflocculator | 54.2 | TSDF Site |
| Chemical Sludge from LSS type reactor clarifier | 61.5 | To cement manufacture for co-processing in cement industry as it is lime based chemical sludge |
| Total | 127.4 Tons/day | |

| Waste | | | |
|-------------|--------------------------------------|---------------|---|
| CETP Sludge | Bio-sludge from Biological Treatment | 10.8 Tons/day | It will be used as manure as it contains important nutrients. |
| MEE Salt | From Pilot plant | - | MEE salt will be reused in the Tannery and Slaughter house |

• **HAZARDOUS WASTE:**

| Source of Sludge | Quantity (Tons/day) | Disposal |
|---|---------------------|--|
| Sludge from Pre-settling Tank | 11.7 | TSDF Site |
| Chemical Sludge from Clariflocculator | 54.2 | TSDF Site |
| Chemical Sludge from LSS type reactor clarifier | 61.5 | To cement manufacture for co-processing in cement industry as it is lime based chemical sludge |
| Total | 127.4 Tons/day | |

The committee discussed the matter and recommended to exempt the project proposal for the public consultation and amend the terms of reference issued by SEIAA, U.P. vide letter no. 544/Parya/SEAC/4445/2018, dated 30/11/2018 as per above project details. The committee also directed the project proponent that all the other contents mentioned in terms of reference dated 30/11/2018 shall remain unchanged.

9. "Integrated Office Cum Residential Complex" Ministry of Railway (A Government of India Enterprises), at Sector- 145, Village- Jhatta, Tehsil- Sadar, Greater Noida, District- Gautam Buddh Nagar, U.P. M/s Dedicated Freight Corridor Corporation of India Ltd. File No. 4599/Proposal No. SIA/UP/NCP/ 88286/2018

The committee noted the environmental clearance for the above project was issued by SEIAA, U.P. vide letter no. 682/Parya/SEAC/4599/2018, dated 08/02/2019 for the name of " Proposed "Integrated Office Cum Residential Complex" at Sector- 145, Village- Jhatta, Tehsil- Sadar, Greater Noida, District- Gautam Buddh Nagar, U.P., M/s Dedicated Freight Corridor Corporation of India Ltd."

The project proponent submitted online application on 18/04/2019 regarding small change the name of the project address in environmental clearance letter dated 08/02/2019 from "Integrated Office Cum Residential Complex" at Sector- 145, Village- Jhatta, Tehsil- Sadar, Greater Noida, District- Gautam Buddh Nagar, U.P., M/s Dedicated Freight Corridor Corporation of India Ltd. to "DFCCIL Integrated Office Cum Residential Complex" at Sector- 145, Village- Jhatta, Tehsil- Sadar, Greater Noida, District- Gautam Buddh Nagar, U.P., M/s Dedicated Freight Corridor Corporation of India Ltd., Ministry of Railway, Government of India.

The committee gone through the documents submitted by project proponent and presentation made before SEAC, recommended to change the name of the project address from "Integrated Office Cum Residential Complex" at Sector- 145, Village- Jhatta, Tehsil- Sadar, Greater Noida, District- Gautam Buddh Nagar, U.P., M/s Dedicated Freight Corridor Corporation of India Ltd. to "DFCCIL Integrated Office Cum Residential Complex" at Sector- 145, Village- Jhatta, Tehsil- Sadar, Greater Noida, District- Gautam Buddh Nagar, U.P., M/s Dedicated Freight Corridor Corporation of India Ltd., Ministry of Railway, Government of India..

Rest all the contents mentioned in environmental clearance letter no. 682/Parya/SEAC/4599/2018, dated 08/02/2019 shall remain unchanged.

10. Cement Grinding Unit at Plot No.-1, 2, 3, Industrial Area, UPSIDC, Bijoli, District- Jhansi, U.P., M/s Fixem Cement Pvt. Ltd. File No. 4994/Proposal No. SIA/UP/IND/41035/2016

A presentation was made by the project proponent along with their consultant M/s Paramarsh Servicing Environment & Development. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Cement Grinding Unit at Plot No.-1, 2, 3, Industrial Area, UPSIDC, Bijoli, District- Jhansi, U.P., M/s Fixem Cement Pvt. Ltd.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 03/Parya/SEAC/3812/2016 dated 19/04/2017.
3. Public hearing organized on 11/04/2019. EIA report submitted by the project proponent on 05/09/2019.
4. The total cost of the project is estimated to be Rs. 795.0 Lakhs.
5. Salient features of the project:

| | |
|-----------------|--|
| Name of Project | CEMENT GRINDING UNIT |
| Plant Location | Plot No. 1, 2, 3 industrial Area, Bijoli, Jhansi, UP |
| Land-use | Industrial (UPSIDC) |

| | |
|----------------------------|---|
| Project Proposal | Proposed capacity 60 ton per day (18,000 TPA) |
| Proposed Operation | Cementing Grinding Section and Packaging Section |
| Total Investment | Rs. 795 Lakhs |
| Investment for EMP | Capital cost - Rs. 8.78 Lakhs Recurring cost - Rs. 3.73 Lakhs |
| Employment Potential | 30 (Two Shift) |
| Water Requirement & Source | 8 KLD from Bore Well |
| Land Details Type of Land | 6934 sq m (1.71 Acres) land acquired. Post Conversion:- Industrial Prior to Conversion:- Agricultural Land. |
| Topo Sheet No. | 54O/2 & 54O/3 |

6. Raw material details:

| Raw Material | Percentage (%) | Proposed requirement for 60 TPD |
|--------------|----------------|---------------------------------|
| Clinker | 65-70% | 12,600 TPA |
| Fly ash | 25-30% | 4500 TPA |
| Gypsum | 5% | 900 TPA |
| Total | | 18000 TPA |

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

RESOLUTION AGAINST AGENDA NO-10

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

- I. 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 State pollution Control Board.
 - v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
 - vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- 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 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.

11. Expansion of Ingots/ billets/tmt bars angle & channel wire rods & m.s pipe from 90 mt/day to 1500 mt/day at Plot No.-3,4,A-6,7,8,A-9/2, Sikandrabad, Industrial Area, Bulandshahar, U.P., M/s AMBA Skakti Industries Ltd. File No. 5040/4526/Proposal No. SIA/UP/IND/42597/2018

A presentation was made by the project proponent along with their consultant M/s Paramarsh Servicing Environment & Development. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Expansion of Ingots/ billets/tmt bars angle & channel wire rods & m.s pipe from 90 mt/day to 1500 mt/day at Plot No.-3,4,A-6,7,8,A-9/2, Sikandrabad, Industrial Area, Bulandshahar, U.P., M/s Amba Shakti Industries Ltd.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter dated 18/01/2019.
3. Public hearing organized on 16/08/2019. EIA report submitted by the project proponent on 12/09/2019.
4. The unit has 4 No. of furnace each having capacity of 40 Tonnes.

5. Salient features of the project:

| Particulars | Details | Unit |
|------------------------|---------|--------|
| Land Area | 12.4 | ha |
| Estimated Project Cost | 9186.13 | Lacs |
| Proposed Capacity | 1500 | MT/day |
| Power Requirement | 40 | MW |

6. Raw material details:

| Particulars | Percentage | Tonnes Per Annum |
|-------------|------------|------------------|
| Pig iron | 10 | 46000 |
| Scrap | 40 | 190000 |
| Sponge | 50 | 262000 |

7. Water requirement details:

| S. No. | Activity | Required Quantity (in KLD) | Waste water generation (in KLD) |
|--------|---------------|----------------------------|---|
| 1 | Domestic | 20 | 5 |
| 2 | Cooling Tower | 200 | 7 |
| 3 | Gardening | 9.6 | 0 |
| | Total | 230 KLD | 12 KLD-80% of this shall be used in gardening |

Source of water : Ground water through Borewell (shall be applied (CGWB))

Treatment method : Septic tank via soak pit system

8. Solid Waste generated from induction furnace is slag about 60 to 70 ton/day and dust collected from cyclone & wet scrubber.
9. The project proposal falls under category-5(k) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-11

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

I. 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 I Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the State pollution Control Board.
5. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water I from the competent authority concerned in case of drawl of surface water required for the project.
6. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

II. Air quality monitoring and preservation:

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 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF)

as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) 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 monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
3. The project proponent shall install system carryout Continuous 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)
4. 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.
5. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources.
6. The project proponent shall provide leakage detection and mechanised bag cleaning facilities for better maintenance of bags.
7. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
8. Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning devices in the process after briquetting/agglomeration.
9. The project proponent shall use leak proof trucks /dumpers carrying coal and other raw materials and cover them with tarpaulin.
10. The project proponent shall provide covered sheds for raw materials like scrap and sponge iron, lump ore, coke, coal, etc.
11. The project proponent shall provide primary and secondary fume extraction system at all melting furnaces.
12. Design the ventilation system for adequate air changes as per ACGIH document for all tunnels, motor houses, Oil Cellars.

III. Water quality monitoring and preservation:

1. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R 277 (E) dated 31st March 2012 (applicable to IF/EAF) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories. (Case to case basis small plants: Manual; Large plants: Continuous).
2. 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 recognised under Environment (Protection) Act, 1986 and NABL accredited laboratories.
3. 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.

4. Adhere to 'Zero Liquid Discharge'.
5. Sewage Treatment Plant shall be provided for treatment of domestic waste water to meet the prescribed standards.
6. The project proponent shall provide the ETP for effluents of rolling mills to meet the standards prescribed in G.S.R 277 (E) 31st March 2012 (applicable to IF/EAF) as amended from time to time.
7. 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
8. The project proponent shall practice rainwater harvesting to maximum possible extent.
9. The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.

IV. Noise monitoring and prevention:

1. 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.
2. The ambient noise levels should conform to the standards prescribed under E(P)A Rules , 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures:

1. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
2. Practice hot charging of slabs and billets /blooms as far as possible.
3. Ensure installation of regenerative type burners on all reheating furnaces.
4. 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.
5. Provide the project proponent for LED lights in their offices and residential areas.

VI. Waste management:

1. Used refractories shall be recycled as far as possible.
2. Oily scum and metallic sludge recovered from rolling mills ETP shall be mixed, dried, and briquetted and reused melting Furnaces
3. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
4. The waste oil, grease and other hazardous waste shall be disposed off as per the Hazardous & Other waste (Management & Transboundary Movement) Rules, 2016.
5. Kitchen waste shall be composted or converted to biogas for further use.(to be decided on case to case basis depending on type and size of plant)

VII. Green Belt:

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
2. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.

VIII. Public hearing and Human health issues:

1. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
2. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of

Factory Act.

3. 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.
4. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

IX. Corporate Environment Responsibility:

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.
6. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.

X. Miscellaneous:

1. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, 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.
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 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. The Company in a time bound manner shall implement these conditions.
 14. 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.
 15. 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.
 16. 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.

12. Expansion of "Haier Industrial Park" at Plot No. H-6 in DMIC Integrated Township Greater Noida Ltd., Greater Noida, U.P., M/s Haier Appliance (India) Pvt. Ltd. File No. 5061/4849/Proposal No. SIA/UPMIS/41851/2019

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

1. The environmental clearance is sought for Expansion of "Haier Industrial Park" at Plot No. H-6 in DMIC Integrated Township Greater Noida Ltd., Greater Noida, U.P., M/s Haier Appliance (India) Pvt. Ltd.
2. The Proposed Project obtained the Environmental Clearance for Phase 1 vide letter no. 639/Parya/SEAC/4547/2018 dated 19th Jan, 2019 for the land area of 121.99 acres (493695.71 sqmts) and Built-up area of 1,45,697 sqmts.
3. Comparative details of the existing and expansion project:

| PROJECT FEATURES | DETAILS (As per EC accorded) | After EXPANSION |
|----------------------|------------------------------|-----------------|
| Estimated Population | 1895 persons | 5160 persons |

| | | |
|---|--|--|
| Total Water Requirement with source Construction phase Operation phase | 728 KL (Treated water from STP of GNIDA) 760 KLD (Domestic – 78 KLD + Industrial Process – 324 KLD + Horticulture – 358 KLD) | 882 KL (Treated water from STP of GNIDA) Domestic – 155 KLD Industrial Process – 525 KLD Horticulture – 362 KLD |
| Estimated wastewater generation and treatment Domestic Wastewater Industrial Wastewater | Total approx. 145 KLD wastewater 73 KLD (STP based on MBBR Technology) 72 KLD (ETP) | Total approx. 364 KLD wastewater 207 KLD (STP of capacity 230 KLD based on MBBR Technology) 157 KLD (ETP of capacity 160 KLD) |
| Power Demand and Source Power Back-up | Total installation power - 24295 kW Active power - 10702 kW Transformer capacity - 13850 kVA Total DG sets capacity -1000 kVA (4*250 kVA) | Total installation power – 24845 kW Active power - 10932 kW. Transformer capacity - 14162 kVA. Total DG sets capacity - 2250 kVA (1*750kVA + 1500kVA) . |
| Solid Waste Generation | 460 kg/day | 1300 kg/day |
| Parking Facilities Required Provided | 308 ECS for car and 108 truck parking | 1737 ECS |

4. Land use details:

| S. No. | Description | Approved Area (Sq. M.) | Proposed Area (Sq. M.) | Total Area (Sq. M.) | % |
|--------|---|------------------------|------------------------|---------------------|-------|
| 1 | Total Land Area | | | 493695.71 | 100 |
| | Plot Area for PHASE-1 | | | 316162 | 64.04 |
| | Plot Area for PHASE-2 | | | 177533.71 | 35.96 |
| 2 | Permissible FAR @1 | | | 493695.71 | |
| 3 | Proposed FAR @0.35 | 145697 | 26778.78 | 172475.78 | |
| 4 | Permissible Ground Coverage@55% | | | 271532.641 | |
| 5 | Total achieved Ground Coverage@0.30 | 121429 | 26704.42 | 148133.42 | 30.01 |
| 6 | Permissible Service Area @15% of FAR | | | 74054.4 | |
| 7 | Propose Service Area (already approved + proposed) | 2132 | 1696.608 | 3828.608 | |
| 8 | Built-up Area | 145697 | 30607.388 | 176304.388 | |
| 9 | Open Area | 194733 | 150829.29 | 345562.29 | 69.99 |
| 10 | Required Green Area @50% of Open Area | | | 172781.145 | |
| 11 | Proposed Green Area (35.45% of the total plot area) | 121590 | 53402.55 | 174992.55 | 35.45 |
| 12 | Road/Paved Area | 50599 | 20770.74 | 71369.74 | |
| 13 | Total Parking Area | | | 99200 | |
| 14 | Max. No. of Floors | G + 3 | G + 3 | G + 3 | |

5. Area details of the project:

| S. No. | Description | Approved Area (Sq. M.) | Proposed Area (Sq. M.) | Total Area (Sq. M.) | % |
|--------|--------------------------------------|------------------------|------------------------|---------------------|-------|
| 1 | Total Land Area | | | 493695.71 | 100 |
| | Plot Area for PHASE-1 | | | 316162 | 64.04 |
| | Plot Area for PHASE-2 | | | 177533.71 | 35.96 |
| 2 | Permissible FAR @1 | | | 493695.71 | |
| 3 | Proposed FAR @0.35 | 145697 | 26778.78 | 172475.78 | |
| 4 | Permissible Ground Coverage@55% | | | 271532.641 | |
| 5 | Total achieved Ground Coverage@0.30 | 121429 | 26704.42 | 148133.42 | 30.01 |
| 6 | Permissible Service Area @15% of FAR | | | 74054.4 | |

| | | | | | |
|----|---|--------|-----------|------------|-------|
| 7 | Propose Service Area (already approved + proposed) | 2132 | 1696.608 | 3828.608 | |
| 8 | Built-up Area | 145697 | 30607.388 | 176304.388 | |
| 9 | Open Area | 194733 | 150829.29 | 345562.29 | 69.99 |
| 10 | Required Green Area @50% of Open Area | | | 172781.145 | |
| 11 | Proposed Green Area (35.45% of the total plot area) | 121590 | 53402.55 | 174992.55 | 35.45 |
| 12 | Road/Paved Area | 50599 | 20770.74 | 71369.74 | |
| 13 | Total Parking Area | | | 99200 | |
| 14 | Max. No. of Floors | G + 3 | G + 3 | G + 3 | |

6. Population details:

| S. No. | Unit Type | Skilled | Semi-Skilled | Unskilled | Previous no. of population (EC accorded) | Expansion of PHASE-1 | Total |
|-----------------------------|-----------------|---------|--------------|-----------|--|----------------------|-------|
| 1 | REF | 225 | 720 | 160 | 1105 | 455 | 1560 |
| 2 | AC | 45 | 90 | 70 | 205 | 975 | 1180 |
| 3 | WM | 45 | 90 | 70 | 205 | 1055 | 1260 |
| 4 | Store | | | | | 160 | 160 |
| 6 | Trading Company | | | | | 750 | 750 |
| 7 | Visitor | 250 | | | | - | 250 |
| Grand Total (1+2+3+4+5+6+7) | | | | | 1895 | | 5160 |

7. Water and waste water calculation details:

| WATER REQUIREMENT CALCULATION | | Per capita considered-30 ltrs./head including canteen as per NBC | |
|---|---------------|--|---|
| Total Population in the factory | 5160 | PERSONS | population considered 5160 (including trading company) |
| Hostel Population(Percapita -135 ltrs) | 100 | PERSONS | 135 ltrs as per NBC |
| Population in the factory(per capita -35 ltrs) | 4810 | PERSONS | 30 ltrs considered as per NBC |
| visitors population(per capita -15 ltrs) | 250 | PERSONS | 5% Visitors considered |
| <u>WATER REQUIRED FOR DOMESTIC USE</u> | | | |
| Domestic Filtered water requirement for factory area (17 ltrs) 3 ltrs used for drinking | 81770 | LTRS | 17 ltrs domestic use +3 ltrs drinking use |
| Domestic Filtered water requirement for hostel area (90 ltrs) | 9000 | LTRS | 90 LTRS Considered as per NBC |
| Domestic Filtered water requirement for visitors(5 ltrs) | 1250 | LTRS | |
| Ro water for drinking | 15480 | LTRS | 3 ltrs of drinking |
| Ro water for Cooking | 20000 | LTRS | 10 ltrs/meal for cooking x 2000 meals |
| TOTAL RO WATER REQUIRED | 35480 | | |
| Raw water required for Ro PLANT FEED | 60000 | LTRS | Ro recovery considered 60% |
| RO REJECT | 24520 | | |
| RAW water required for Kitchen area vessel washing | 20000 | LTRS | 10 ltrs/ meal for kitchen vessel washing x 2000 meals |
| RAW water required for other vessel washing | 6320 | LTRS | Other employees lunch box washing ,2 ltrs per head 3160 persons |
| Domestic contingencies-15% | 28251 | LTRS | |
| TOTAL WATER REQUIRED INCLUDING RO PLANT FEED | 206591 | LTRS | |
| Say | 200 | KL | |

| | | | |
|---|---------|------|--|
| Filtered water required for domestic use | 182071 | Ltrs | |
| Total domestic water to STP | 162071 | | |
| Domestic water to STP-90% | 145864 | | |
| WATER REQUIRED FOR TOILET FLUSHING USE | | | |
| Flushing water requirement for factory area (10 ltrs) | 48100 | LTRS | 10 LTRS /Head as per NBC |
| Flushing water requirement for Hostel area (45 ltrs) | 4500 | LTRS | 45 LTRS Considered as per NBC |
| Flushing water requirement for visitors(10 ltrs) | 2500 | LTRS | |
| Flushing contingencies 15% | 8265 | | |
| Total water required for toilet Flushing use | 63365 | | |
| Total flushing water to STP-90% | 57028.5 | | |
| TOTAL DOMESTIC & FLUSHING WATER TO STP | 202892 | | |
| Condensate water coming from Process area Drain line | 5000 | | |
| 90% drain | 4500 | | |
| Domestic waste water + process area waste water | 207392 | | |
| TOTAL SAY | 230 | KLD | |
| INDUSTRIAL WATER REQUIREMENT | | | |
| For Process requirement including evaporative cooling | 525280 | LTRS | 324 KL FOR PROCESS AREA +201.28KL(EVAPORATIVE COOLING) |
| OUT OF 324 KL TO PROCESS REQUIREMENT ,ONLY Industrial Effluent to drain IS 80,000 LTRS/DAY | 80000 | | 80 KL /DAY |
| RO reject water | 24520 | LTRS | |
| WTP reject (WTP plant capacity - 25 m3/hr @ 16 hrs Operation)- 2 plants | 30000 | LTRS | 40 minutes back wash considered |
| Industrial water Contingencies | 40000 | | |
| Total FILTERED water required for Industrial purpose | 618089 | LTRS | i.e (525280+24520+30000+40000)=600089 LTRS |
| TOTAL INDUSTRIAL EFFLUENT | 174520 | | |
| TO ETP 90% | 157068 | | |
| ETP CAPACITY SAY 8m3/hr plant is designed, operation hrs shall be increased to 20 hrs to treat the additional waste water | 160 | KLD | 8m3/hr plant is designed @ 20hrs operation |
| ETP TREATED WATER AVAILABLE | 157068 | | |
| TOTAL FILTERED WATER REQUIREMENT | 800160 | LTRS | |
| SAY | 800 | LTRS | |
| | 800 | KL | |
| LANDSCAPING WATER REQUIREMENT | | | |
| Landscaping water requirement 112376 SQR MTR x 10.76 ltrs =1209165 sqr ft x 0.3 ltrs per sqr ft | 362750 | LTRS | |
| Total STP & ETP treated water available | 364460 | LTRS | Only for landscaping |
| Excess STP & ETP treated water available for Road washing purpose | 1,711 | LTRS | STP & ETP Treated water available - 362750LTRS Daily water requirement |

| | | | |
|--|------------------------------|-----------------------|--|
| | | | FOR landscaping & flushing is = 364460 LTRS, Additional STP & ETP treated water available for Raod washing=1711 LTRS |
| TOTAL RAW WATER REQUIREMENT | 12,26,275 | LTRS | |
| Total Raw water required after the reuse of STP & ETP treated water | 8,61,814 | LTRS | |
| SAY | 875 | KL | 800kl Raw water +75 kl Raw water |
| SUMP REQUIREMENT-1 day raw water is 800KL +75 KL (FOR FLUSHING)+1 day filtered water requirement (800 KL) | 800+75+800 | KLD | 8,00,000 LTRS RAW+(75 KL RAW WATER -FOR TOILET FLUSHING)+8,00,000 LTRS FILTERED WATER |
| SAY | 1,675 | KLD | |
| Capacity of Each Plants | | | |
| STP capacity | 230 | KLD | |
| ETP CAPACITY - 8 M3 / hr | 155 | KLD | 8M3/HR plant is designed @ 15 HRS OPERATION |
| WTP (sand filter ,carbon filter & softener)-2 NOS | 25m3/hr @ 16 hrs operation | | 2 NO OF PLANTS Near the UG sump area |
| RO plant | 2.5 m3/hr @ 14 hrs operation | | Above the canteen block |
| UG sump & OHT capacities | | | |
| UG sump Requirement -1day capacity RAW WATER+1 DAY RAW WATER FOR TOILET FLUSHING+1 DAY FILTERED WATER | 861814 | Ltrs | |
| 1.0 DAY CAPACITY | 800KL+75KL+800 KL | | |
| say | 1675 KL | Ltrs | 800,000 RAW WATER +(75 KL RAW WATER FOR TOILET FLUSHING)+800,000 FILTERED WATER |
| STP & ETP Treated water sump for gardening Purpose | 3,00,000 | LTRS | STP Treated water tank 300 KL-Near STP area |
| RO WATER STORAGE TANK - HDPE (MOC) requirement - 0.75 capacity | 25 000 | Ltrs | MOC-HDPE |
| OHT For domestic & Flushing for emergency situation | 60,000 | 10000 LTRSX6 location | OHT during emergency situation |

8. Solid waste generation details:

| S. No. | Category | Previous Population/ Area (Acre) (EC accorded) | Kg per capita per day | Previous Waste quantity (kg/day) (EC accorded) | (Previous Expansion) Population/ Area (Acre) | Total |
|--------------------------------|---------------------------------|--|-----------------------|--|--|---------------------------------|
| 1 | Staff | 1645 | @ 0.25kg/day | 411.25 | 4910 | 1227.5 |
| 2 | Visitors | 250 | @ 0.15 kg/day | 37.5 | 250 | 37.5 |
| TOTAL DOMESTIC WASTE GENERATED | | | | 448.75 | | 1265 |
| 4 | Landscape waste(for green belt) | 27.8 | @ 0.2 kg/acre/day | 5.56 | 21.56 | 4.312 |
| 5 | STP Waste | | | 5 | | 31 |
| TOTAL SOLID WASTE GENERATED | | | | 459.31kg/day Say 460 kg/day | | 1300.312 Kg/day say 1300 kg/day |

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

RESOLUTION AGAINST AGENDA NO-12

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

1. Solar energy to be used alternatives on the road and common places for illumination to save conventional energy as per ECBC Code.
2. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
3. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
4. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
5. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
6. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
7. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
8. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
9. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
10. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
11. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
12. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
13. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
14. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the State pollution Control Board.
15. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
16. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
17. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.

18. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
19. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
20. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
21. No parking shall be allowed outside the project boundary.
22. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
23. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.
24. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
25. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
26. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
27. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
28. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area and pollution also reduced. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
29. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
30. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
31. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
32. All the internal drains are to be covered till the disposal point.
33. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
34. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.

13. Expansion of existing sugar mill cane crushing capacity from 4600 TCD to 5500 TCD at Village- Agwanpur, Tehsil & District-Moradabad, U.P, M/s Dewan Sugar Ltd. File No. 5010/Proposal No. SIA/UP/IND2/38918/2019

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

1. The environmental clearance is sought for Expansion of existing sugar mill cane crushing capacity from 4600 TCD to 5500 TCD at Village- Agwanpur, Tehsil & District-Moradabad, U.P, M/s Dewan Sugar Ltd.
2. Salient features of the project:

| Sr. No. | Attributes | Expansion of Existing Sugar | | |
|---------|--------------------------------------|--|-------------------------------------|---|
| 1 | Proposed capacity of Plant | Proposed Expansion of Existing Sugar Unit , Cane Crushing Capacity from 4600 to 5500 TCD | | |
| 2 | Total project cost | Rs 1500.0 Lacs (Estimated) | | |
| 3 | Total project area | Existing Land area | Proposed Expansion | Total After expansion |
| | | 36.43 Hectare | No change | 36.43 Hectare (Existing) |
| 4 | Category of Project | Category : B and Schedule : 5 (j) | | |
| 5 | Process Involve | Cane Milling, Steam Generation (Boiler), Juice Clarification, Evaporation, Crystallization and Centrifugation then Packaging and Electricity generation from Steam. | | |
| 6 | No of Working Days | Season (Approx : 200 Days) | | |
| 7 | Raw material and its Quantity | Existing | Proposed Expansion | After Expansion |
| | | Sugar Cane 4600.0 TCD Crushing | Sugar Cane 900.0 TCD Crushing | Sugar Cane 5500.0 TCD Crushing |
| 8 | Product and its Quantity | 460.0 | 90.0 | 550.0 MT/Day |
| 9 | Molasses (By Product) | 207.0 | 41.0 | 248.0 MT/Day |
| 10 | Bagasse (By Product) | 1380.0 | 270.0 | 1650.0 MT/Day |
| 11 | Press Mud (By Product) | 184.0 | 36.0 | 220.0 MT/Day |
| 12 | Co gen power generation | 6.0 MW | 0.0MW | 6.0 MW |
| 13 | Fresh Water Requirement (Industrial) | 736 KLD (@0.16 KL/T of Cane) | 100.0 KLD (@0.11 KL/T of Cane) | 840.0 KLD (@0.16 KL/T of Cane) |
| 14 | Fresh Water Requirement (Domestic) | 35.0 KLD | 5.0 KLD | 40.0 KLD |
| 15 | Power requirement | 4.8 MW | 0.6 MW | 5.4 MW |
| 16 | Fuel and its quantity | Bagasse : 924 TPD | | |
| 17 | Steam requirement | 73.0 TPH | 2.0 TPH | 75.0 TPH |
| 18 | Number of boiler proposed | 77 TPH Boiler (01 No) | Nil | Existing boiler is sufficient to meet the requirement after expansion also. |
| 19 | Air Pollution Control Device | Existing Wet Scrubber (01 No) | Nil | Existing Wet Scrubber will be utilised for Air Pollution Control . |
| 20 | Number of Stack | 01 No of RCC stack height : 50.0 meters | - | Existing Stack will be used. |
| 21 | Waste Water Generation | Industrial : Approx. : 1100 KLD waste water will be generated and will be treated in adequate ETP. Treated water will be discharge into surface water body. Domestic : Approx. : 25 KLD waste water will be disposed through septic | | |

| | | |
|----|--|---|
| | | tank and soak pit. |
| 22 | Waste Water treatment | Effluent is being treated through Activated Sludge Process. ETP comprises of Bar Screen, Oil & Grease trap, Chemical mixing, Equalization, Primary Clarifier, Aeration, Secondary clarifier, MGF, ACF and Sludge Drying beds. Cooling tower waste water is being treated through flocculator and micro settler . |
| 23 | Waste Water Discharge | Treated water will be discharge after treatment and also be used for horticulture within premises. Treated water will be comply with the Discharge Standard of MOEF, G.S.R. 35(E), dated 14th January 2016. |
| 24 | Solid Waste Generation | Fly ash : 17 T/Day will be generated after expansion. Will be provided to local brick manufacturer. |
| 25 | Green Belt Development | Approx. 33 % of total green belt will be development and maintained. |
| 26 | Cost towards Environmental Protection measures (capital cost) after proposed expansion | 60.0 Lakhs |
| 27 | Recurring cost towards Environmental control measures | 35.0 Lakhs per year |
| 28 | CER expenses | 1 % of the total profit of project as per the CSR act (By Ministry of Corporate Affairs) Notification GSR 129 (E) |

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

RESOLUTION AGAINST AGENDA NO-13

The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA regarding the project as follows:

- 1) Results of waste water analysis before and after treatment should be submitted.
- 2) Detailed Solid waste management system should be submitted.
- 3) Press mud analysis report should be submitted.
- 4) Executive Summary
- 5) Introduction:
 - i. Details of the EIA Consultant including NABET accreditation
 - ii. Information about the project proponent
 - iii. Importance and benefits of the project
- 6) 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.

7) 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.

8) 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.
- 9) 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.
- 10) 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 EP 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.

11) 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.

12) 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
- 13) 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.
- 14) Enterprise Social Commitment (ESC):
- i. Adequate funds (at least 2.5 % of the project cost) shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.
- 15) 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.
- 16) A tabular chart with index for point wise compliance of above TOR.
- 17) Complete process flow diagram describing each unit, its processes and operations in production of sugar, along with material and energy inputs and outputs (material and energy balance).
- 18) Details on water balance including quantity of effluent generated, recycled & reused. Efforts to minimize effluent is charge and to maintain quality of receiving water body.
- 19) Details of effluent treatment plant, inlet and treated water quality with specific efficiency of each treatment unit in reduction in respect to fall concerned / regulated environmental parameters.
- 20) Number of working days of the sugar production unit.
- 21) Details of the use of steam from the boiler.
- 22) Details of proposed source-specific pollution control schemes and equipments to meet the national standards.
- 23) Collection, storage, handling and transportation of molasses,
- 24) Collection, storage and handling of bagasse and press mud.
- 25) Fly ash management plan for coal based and bagasse and action plan
- 26) Details on water quality parameters such as Temperature, Colour, pH, BOD, COD, Total Kjeldhal Nitrogen, Phosphates, Oil & Grease, Total Suspended Solids, Total Coli form bacteria etc.
- 27) Details on existing ambient air quality and expected, stack and fugitive emissions for PM₁₀, PM_{2.5}, SO₂, NO_x, etc., and evaluation of the adequacy of the proposed pollution control devices to meet standards for point sources and to meet AAQ standards.

14. Cement Grinding Unit at Plot No.-190, Village-Mai, Rampur, Marivahun, District-Jaunpur, U.P., M/s VCC Hi-Tech Cement Pvt. Ltd. File No. 5011/Proposal No. SIA/UP/IND/41748/2019

A presentation was made by the project proponent along with their consultant M/s Paramarsh Servicing Environment and Development. The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Cement Grinding Unit at Plot No.-190, Village-Mai, Rampur, Mariyahun, District-Jaunpur, U.P., M/s VCC Hi-Tech Cement Pvt. Ltd.

| | | |
|--------|---|--|
| S. No. | Name of the project | Cement Grinding Unit |
| 1 | S. No. in the Schedule | 3 (b) |
| 2 | Registered Address | H.N. 134, Station Road, Bhadohi, Sant Ravi Das Nagar, UP-221401 |
| 3 | Name of the Applicant | Shri Vineet Jaiswal |
| 4 | Site Address | M/s VCC Hi-Tech Cement Private Limited, Plot No. 190, Mai, Rampur, Block – Mariahu, District - Jaunpur, Uttar Pradesh. |
| 5 | Land use | Industrial (Change in land use) |
| 6 | Raw material | Clinker, Gypsum, and Fly Ash & Slag |
| 7 | Area of plant | Total Area 3729.99 sqm |
| 8 | Toposheet No. | Survey of India Toposheet No. 63K/11 |
| 9 | Latitude and Longitude | 25°27'34.86"N and 82°34'0.75"E |
| 10 | Capacity | 200 Ton per day (60000 T.P.A on 300 Working Day) |
| 11 | Cost of Project | 980 Lacs |
| 12 | Manpower Requirement | 50 |
| 13 | Power Requirement | 450 kW |
| 14 | Water Requirement | 5 m ³ /day |
| 15 | Varuna River Ganga River | 0.75 Km (SW) 26.72Km (S) |
| 16 | Nearest Railway Station/airport along with distance in kms | Mondh Railway Station- 9.18 km (SW) Varanasi Airport – 29.35 km (SE) |
| 17 | Nearest town, City, District Headquarters along with distance in kms. | Town: Badohi : 7.89 km (S) City: Jaunpur – 33.62 km (NE), Varanasi – 43.26 km (SE) |
| 18 | Village Panchayats, Zilla Parishad, Municipal corporation, | Jagdishpur – 0.39 km (SW) |

2. Available Land and Breakup:
 - Total Plot Area 3729.99 sqm
 - Total Covered Area on G.F. 2549.19 sqm
 - Total Open and Green area 1372.41 sqm
3. Power Requirement: The power required will be 450 kW, which will be sourced from UPPCL.
4. Water Requirement: 5 m³/day (Ground Water)
5. Liquid Waste: Only domestic sewage for which septic tank with soak pit has been proposed.
6. Solid Waste: Ash will be generated from the combustion of coal used in HAG and the entire quantity of ash will be used in PPC manufacturing.
7. The project proposal falls under category–3(b) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-14

The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA regarding the project as follows:

- 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 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. 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, 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.

15. Clinker Grinding Unit with Cement Production Capacity of 2.0 MTPA and D.G. Set (1000 KVA) AT Village- Gadar, Pragana- Khiragarh, Tehsil- Meja, Allahabad. M/s KJS Cement (I) Ltd. File No. 5024/Proposal No. SIA/UP/IND/39131/2019

RESOLUTION AGAINST AGENDA NO-15

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.

Matter with the permission of Chairman:

16. Development of "TCS Noida IT SEZ Campus" at Sector- 157, Noida, District- Gautam Budha Nagar, U.P., M/s Tata Consultancy Services. File No. 5042/Proposal No. SIA/UP/NCP/41296/2019

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

1. The environmental clearance is sought for Development of "TCS Noida IT SEZ Campus" at Sector- 157, Noida, District- Gautam Budha Nagar, U.P., M/s Tata Consultancy Services.
2. Proposed project will comprise of one Transit Hub, three SDB towers, one welcome block, one utility block, one Development Centre, one main security house, 1 temporary gate house with 3 security cabins, playground and food court.
3. Salient features of the project:

| Particular | Details |
|------------------------|--|
| Plot Area | 2,92,660 sq m |
| Built-up Area | 2,46,761 sq m |
| Category | 8 (b), B |
| Activity | One Transit Hub, three SDB towers, one welcome block, one utility block, one Development Centre, one main security house, 1 temporary gate house with 3 security cabins, playground and food court |
| Type of Project | New |
| Green Area | 58,535 sq m (20% of plot area) |
| Baseline Season | March-May, 2019 |
| Power Requirement | 10.417 MVA |
| Power Backup (DG sets) | 2 x 320 KVA, 7 x 2250 KVA (6 W + 1 S/B) |

| | |
|----------------------------------|-------------------------|
| Total Water Requirement | 1124 KLD |
| Fresh water Requirement | 469 KLD |
| Waste Water Requirement | 676 KLD |
| STP | 780 KLD (Modular STP's) |
| Municipal Solid waste Generation | 4697 Kg/day |

4. Area details of the project:

| S.No | Description | Area-sq m | Area-Ha |
|------|---|-------------------------------|---------|
| 1 | Plot Area | 2,92,660 | 29.266 |
| | Area under Phase I | 2,31,821.05 | 23.1821 |
| | Area under Future Development | 60,838.95 | 6.0838 |
| 2 | Permissible Ground Coverage (35%) | 1,02,431 | 10.2431 |
| 3 | Proposed Ground Coverage (@20.74% of plot Area) | 60,722 | 6.0722 |
| 4 | Permissible FAR (2.5 of Plot Area) | 7,31,650 | 73.165 |
| 5 | Proposed FAR (@0.51 of Plot Area) | 1,49,957 | 14.9957 |
| 6 | Stilt Area | 83,710 | 8.371 |
| 7 | Non FAR Area at Floors | 13,094 | 1.3094 |
| 8 | Built-up Area (5+6+7) | 2,46,761 | 24.6761 |
| 9 | Green Area (@20% of plot area) | 58,535 | 5.8535 |
| 10 | Max height of building-m | 75 m | - |
| 11 | Maximum number of floor- no. | 2 Stilt + 1 Podium +12 Floors | - |

5. Land use details:

| Type | Area (Sq. m) | Percentage (%) |
|-------------------------|--------------|----------------|
| Ground Coverage | 60,722 | 20.74 |
| Green | 58,535 | 20.0 |
| Surface Parking | 30,682 | 10.49 |
| Road & other area | 81,882.05 | 27.98 |
| Future Development Area | 60,838.95 | 20.79 |
| Total | 2,92,660 | 100 |

6. Population details:

| S. No. | Unit Name | Area-FAR | Population-Standard | Total Population |
|--------|-------------------|------------|-----------------------|------------------|
| 1 | IDC Block | 4618 sq m | ~1 person per 10 sq m | 500 |
| 2 | Office Building | 16269 sq m | ~1 person per 10 sq m | 16300 |
| 3 | Maintenance Staff | -- | -- | 200 |
| 4 | Welcome Block | -- | -- | 500 |
| 5 | Gate House | -- | -- | 25 |
| 6 | Transit Hub | -- | -- | 200 |
| 7 | Visitor | -- | -- | 1680 |
| | Total | -- | -- | 19405 |

7. Water requirement details:

| Water Requirement | | | | | | |
|-----------------------------------|---|------------------|----------|-------------------------|-------------------------------|---------------------------------|
| S. No. | Category | Standards (LPCD) | Capacity | Water Requirement (KLD) | Fresh Water Requirement (KLD) | Recycle Water Requirement (KLD) |
| DOMESTIC WATER REQUIREMENT | | | | | | |
| 1 | IDC Block | 30 | 500 | 15 | 8 | 7 |
| 2 | Office Building | 30 | 16300 | 489 | 245 | 244 |
| 3 | Maintenance Staff | 30 | 200 | 6 | 3 | 3 |
| 4 | Staff in other area (Welcome Block, Transit Hub and Gate House) | 30 | 725 | 22 | 11.0 | 11.0 |

| | | | | | | |
|---|----------------------------------|-------------------------|------------|------|-----|-----|
| 5 | Visitor | 15 | 1680 | 25 | 8 | 17 |
| 6 | Kitchen | | 19405 | 194 | 194 | 0 |
| A | Total Domestic Water Requirement | | | 751 | 469 | 282 |
| B | HVAC Cooling | ~10 l/Tr (for 12 hours) | 3228 TR | 314 | 0 | 314 |
| C | Landscape | 1 l/sq m/day | 58535 sq m | 59 | 0 | 59 |
| | Total Water Requirement (A+B+C) | | | 1124 | 469 | 655 |

8. Waste water details:

| Category | Quantity (KLD) |
|--|--------------------------|
| Sewage Generated (@90% of domestic & Kitchen water demand) | 676 |
| Capacity of STP | 780 KLD (Modular STP's) |
| Recovered Water from STP (97% of Sewage) | 655 |
| Flushing | 282 |
| HVAC Cooling | 314 |
| Landscaping | 59 |

9. Solid waste details:

| Category | Capacity | Standard-Kg/day | Total Waste-Kg/day | Wet waste-Kg/day | Recyclable Waste-Kg/day |
|--|----------|-----------------|--------------------|------------------|-------------------------|
| Domestic Waste | | | | | |
| IDC Block | 500 | 0.25 | 125 | 88 | 37 |
| Office Building | 16300 | 0.25 | 4075 | 2852 | 1223 |
| Maintenance Staff | 200 | 0.25 | 50 | 35 | 15 |
| Staff in other area (Welcome Block, Transit Hub and Gate House | 725 | 0.25 | 181 | 127 | 54 |
| Visitor | 1680 | 0.15 | 252 | 176 | 76 |
| Landscaping | | | 14 | 14 | 0 |
| Total Municipal Waste | | | 4697 | 3292 | 1405 |
| STP Sludge | | | 69 kg/day | | |

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

RESOLUTION AGAINST AGENDA NO-16

The committee discussed the matter and recommended to issue the terms of reference (TOR) for the preparation of EIA regarding the project as follows:

1. Master plan of the area showing proposed project. Permissible uses of the proposed site as per zoning regulation.
2. Allotment letter from concerned development authority.
3. All approved drawings/maps alongwith approved services plans.
4. 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.
5. Area details showing proposed uses as residential, commercial, parks, parking, roads, other services, facilities of the project also in percentage.
6. Complete Gata/Khasra no. of the project alongwith soft and hard copy should be submitted in table format with proper calculation.
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.

17. Sand/Morrum Mining along Yamuna River Bed, GataNo.-20,57,58,59,61m,62,67m,68,69, 70,71,72,73kh, 82m, 83,84,314m,86,87,88,306,310,311,312m, 313m, 317m, 321m,322/39 at Village- Nanglari Atatmal, Tehsil- Kairana, District- Shamli, (Area- 24.92 Ha). File No. 4642/Proposal No. SIA/UP/MIN/ 92323/2019

A presentation was made by the project proponent along with their consultant M/s PARAMARSH (Servicing Environment and Development). The proponent, through the documents submitted and the presentation made, informed the committee that:-

1. The environmental clearance is sought for Sand/Morrum Mining along Yamuna River Bed, Gata No.- 20,57,58,59,61m,62,67m,68,69, 70,71,72,73kh, 82m, 83,84,314m,86,87,88, 306,310, 311, 312m, 313m, 317m, 321m,322/39 at Village- Nanglari Atatmal, Tehsil- Kairana, District- Shamli, (Leased Area- 24.92 Ha).
2. The terms of reference (TOR) in the matter were issued by SEIAA vide letter no. 139/Parya/SEAC/4662/2018, dated 03/07/2019.
3. Public hearing organized on 05/09/2019. EIA report submitted on 04/10/2019.
4. Salient features of the project as submitted by the project proponent:

| | |
|--|--|
| 1. On-line proposal No. | SIA/UP/MIN/92323/2019 |
| 2. File No. allotted by SEIAA, UP | 4642 |
| 3. Name of Proponent | M/s Devansh Infra/109104 |
| 4. Full correspondence address of proponent and mobile no. | Sri Kuldeep Singh s/o Sri Chand Singh R/o 143, Udpur, P.O. Udpur, Shamli U. P. |
| 5. Name of Project | Sand/Morrum Mining along River Yamuna in Gata No 20, 57, 58, 59, 61m, 62, 67m, 68, 69, 70, 71, 72, 73kh, 82m, 83, 84, 314m, 86, 87, 88, 306, 310, 311, 312m, 313m, 317m, 321m, 322/39 (gata no 85, 273, 320 area 0.30ha for haulage road) at Village – Nanglarai Ahatmal, Tehsil- Kairana, District- Shamli, U. P. |
| 6. Project location (Plot/Khasra/Gata No.) | Gata No. 20, 57, 58, 59, 61m, 62, 67m, 68, 69, 70, 71, 72, 73kh, 82m, 83, 84, 314m, 86, 87, 88, 306, 310, 311, 312m, 313m, 317m, 321m, 322/39 |
| 7. Name of River | Yamuna |
| 8. Name of Village | Naglarai Ahatmal |
| 9. Tehsil | Kairana |

| | | |
|---|---|---|
| 10. District | Shamli | |
| 11. Name of Minor Mineral | Sand/morrum mining | |
| 12. Sanctioned Lease Area | 24.92ha (64.07 acre) | |
| 13. Mineable Area (in Ha.) | 17.56 ha. | |
| 14. Zero level mRL | 229.0 | |
| 15. Max. & Min mRL within lease area | Highest mRL is 236.4* Lowest mRL is 229.5* | |
| 16. Pillar Coordinates (Verified by DMO) | 29° 24.705"N to 29° 25.381"N 77° 8.089"E to 77° 8.361"E | |
| 17. Total Geological Reserves | 623544 m ³ | |
| 18. Total Mineable Reserves | 384886m ³ | |
| 19. Total Proposed Production | 1772200 m ³ (5 Year) | |
| 20. Proposed Production/year | 354440 m ³ | |
| 21. Sanctioned Period of Mine lease | 5 years | |
| 22. Production of mine/day | 1417 m ³ | |
| 23. Method of Mining | Opencast semi-mechanized | |
| 24. No. of working days | 250 | |
| 25. Working hours/day | 8 hrs | |
| 26. No. of workers | 85 | |
| 27. No. of vehicles movement/day | 120 | |
| 28. Type of Land | Govt./Non Forest Land | |
| 29. Ultimate Depth of Mining | 3.0 m | |
| 30. Nearest metalled road from site | 1.00 Km | |
| 31. Water Requirement | PURPOSE | REQUIREMENT (KLD) |
| | Drinking | 0.85 KLD @ 10 LPCD |
| | Suppression of dust | 12.00 KLD @ 1.0 lit in 1 sqm. for 400m (2 time a day) |
| | Plantation | 0.525 KLD @ 5 lit/plant |
| | Total | 13.375 KLD |
| 32. Name of QCI Accredited Consultant with QCI No period of validity. | Paramarsh Servicing Environment and Development 116 01 May 2021 | |
| 33. Any litigation pending against the project or land in any court | No | |
| 34. Details of 500 m Cluster Map & certificate verified by Mining Officer | Letter No-2984/Kh - Vi 2019 dated 09/10/2019 | |
| 35. Details of Lease Area in approved DSR | Page No- 07 | |
| 36. Proposed CER cost | 2.4 lacs (2% of Total Cost) | |
| 37. Proposed EMP cost | Capital cost – 5.35 lacs/annum Recurring Cost- 8.61 lakh/annum | |
| 38. Length and breadth of Haul Road | 1.00 km and 6m | |
| 39. Total No. of Plant | 525 | |

- The mining would be restricted to unsaturated zone only above the phreatic water table and will not intersect the ground water table at any point of time.
- This project does not attract any of the general conditions applicable on mining projects specified in EIA Notification 14/09/2006.
- The mining operation will not be carried out in safety zone of any bridge or embankment or in eco-fragile zone such as habitat of any wild fauna.
- There is no litigation pending in any court regarding this project.
- The project proposal falls under category–1(a) of EIA Notification, 2006 (as amended).

RESOLUTION AGAINST AGENDA NO-17

The committee discussed the matter and recommended grant of environmental clearance for the project proposal along with general and specific conditions as annexed at annexure 1 & 2 to these minutes regarding mining project. The committee also stipulated following specific conditions:

- 1- Environment management should be in accordance with the present environment status of the project.
- 2- Selection of plants for green belt should be on the basis of pollution removal index.
- 3- No mining activity should be carried out in-stream channel as per SSMMG, 2016.
- 4- Pakka motorable haul road to be maintained by the project proponent.
- 5- A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- 6- Permission from the competent authority regarding evacuation route should be taken.
- 7- Project proponent should ensure survival of tree saplings. Mortality should be replaced from time to time.
- 8- Site Pit photographs should be submitted with date, time and point-coordinate within 15 days.
- 9- One month monitoring report of the area for air quality, water quality, Noise level. Besides flora & fauna should be examined twice a week and be submitted within 45 days for a record.
- 10- Provision for cylinder to workers should be made for cooking.
- 11- The capacity of trucks/tractor for loading purpose will be in tonnes as per Transport Department applicable norms and standard fixed by the Government.
- 12- Provide suitable mask to the workers.
- 13- Approach road kaccha is to be made motarable and tree saplings to be planted on both sides of the road.
- 14- Indigenous plants should be planted according to CPCB guidelines and in consultation with local Divisional Forest Officer.
- 15- The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer.
- 16- Provision for two toilets and hand pumps should be made at mining site.
- 17- Drinking water for workers would be provided by tankers.
- 18- Mining should be done by Bar scalping methods extraction (typically 0.3 -0.6 m or 1 - 2 ft) as per sustainable sand mining management guidelines 2016.
- 19- A buffer/safe zone shall be maintained from the habitation as per mining guidelines.
- 20- Corporate Environmental Responsibility (CER) plan with minimum Rs. 2.4 Lakhs/annum 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. Work to be executed with installation of five hand pumps for drinking water, solar light in villages of streets, construction of two numbers of toilets at the primary school with name displayed and address and details of beneficiary and gram pradhan along with phone number, photographs should be submitted to Directorate as well as to the District magistrate / Chief Development Officers, Shamli, U.P.
- 21- Health/Insurance card, Medical claim, regular health check-up camps, facilities shall be provided to the regular/temporary/Contractual or any base workers. Copy of receipt shall be produced to the Directorate of Environment along with the compliance report.
- 22- Measure for conservation of water through rainwater harvesting and cleaning and maintenance of natural surface water bodies of the nearby areas may be considered as one of the activity in CER.

- 23- The excavated mining material should be carried and transported in such a way that no obstruction to the free flow of water takes place. Suitable measure should be taken and details to be provided to concern Department.
- 24- Width of the haul road shall be more than 6 meter.
- 25- Submit annual replenishment report certified by an authorized agency. In case the replenishment is lower than the approved rate of production, then the mining activity/production levels shall be decreased / stopped accordingly till the replenishment is completed.

(Dr. Arvind Mathur)
Member

(Dr. Virendra Misra)
Member

(Dr. Pramod Kumar Mishra)
Member

(Dr. Richhpal Singh Sangu)
Member

(Shri Meraj Uddin)
Member

(Shri Rajive Kumar)
Member

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

Annexure-1

GENERAL CONDITIONS PRESCRIBED BY SEIAA/SEAC, UP FOR SAND/MORUM MINING PROPOSALS

General Conditions:

1. This environmental clearance is subject to allotment of mining lease in favour of project proponent by District Administration/Mining Department.
2. Forest clearance shall be taken by the proponent as necessary under law.
3. Any change in mining area, khasra numbers, entailing capacity addition with change in process and or mining technology, modernization and scope of working shall again require prior Environmental Clearance as per the provisions of EIA Notification, 2006 (as amended).
4. Precise mining area will be jointly demarcated at site by project proponent and officials of Mining/Revenue department prior to starting of mining operations. Such site plan, duly verified by competent authority along-with copy of the Environmental Clearance letter will be displayed on a hoarding/board at the site. A copy of site plan will also be submitted to SEIAA within a period of 02 months.
5. Mining and loading shall be done only within day hours time.
6. No mining shall be carried out in the safety zone of any bridge and/or embankment.
7. It shall be ensured that standards related to ambient air quality/effluent as prescribed by the Ministry of Environment & Forests are strictly complied with. Water sprinklers and other dust control majors should be applied to take-care of dust generated during mining operation. Sprinkling of water on haul roads to control dust will be ensured by the project proponent.
8. All necessary statutory clearances shall be obtained before start of mining operations. If this condition is violated, the clearance shall be automatically deemed to have been cancelled.
9. Parking of vehicles should not be made on public places.
10. No tree-felling will be done in the leased area, except only with the permission of Forest Department.
11. No wildlife habitat will be infringed.
12. It shall be ensured that excavation of minor mineral does not disturb or change the underlying soil characteristics of the river bed /basin, where mining is carried out.
13. It shall be ensured that mining operation of Sand/Moram will not in any way disturb the, velocity and flow pattern of the river water significantly.
14. It shall be ensured that there is no fauna dependant on the river bed or areas close to mining for its nesting. A report on the same, vetted by the competent authority shall be submitted to the RO, PCB and SEIAA within 02 months.
15. Primary survey of flora and fauna shall be carried out and data shall be submitted to the RO, PCB and SEIAA within six months.
16. Hydro-geological study shall be carried out by a reputed organization/institute within six months and establish that mining in the said area will not adversely affect the ground water regime. The report shall be submitted to the RO, PCB and SEIAA within six months. In case adverse impact is observed /anticipated, mining shall not be carried out.
17. Adequate protection against dust and other environmental pollution due to mining shall be made so that the habitations (if any) close by the lease area are not adversely affected. The status of implementation of measures taken shall be reported to the RO, UPPCB and SEIAA and this activity should be completed before the start of sand mining.
18. Need-based assessment for the nearby villages shall be conducted to study economic measures which can help in improving the quality of life of economically weaker section of society. Income generating projects/tools such as development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such

program me. The project proponent shall provide separate budget for community development activities and income generating programmes.

19. Green cover development shall be carried out following CPCB guidelines including selection of plant species and in consultation with the local DFO/Horticulture Officer.
20. Separate stock piles shall be maintained for excavated top soil, if any, and the top soil should be utilized for green cover/tree plantation.
21. Dispensary facilities for first-aid shall be provided at site.
22. An Environmental Audit should be annually carried out during the operational phase and submitted to the SEIAA.
23. The District Mining Officer should quarterly monitor compliance of the stipulated conditions. The project proponent will extend full cooperation to the District Mining Officer by furnishing the requisite data/information/monitoring reports. In case of any violations of stipulated conditions the District Mining Officer will report to SEIAA.
24. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard & soft copies) to the SEIAA, the District Officer and the respective Regional Office of the State Pollution Control Board by 1st June and 1st December every year.
25. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation and Urban Local Body.
26. Transportation of materials shall be done by covering the trucks / tractors with tarpaulin or other suitable mechanism to avoid fugitive emissions and spillage of mineral/dust.
27. Waste water, from temporary habitation campus be properly collected & treated before discharging into water bodies the treated effluent should conform to the standards prescribed by MoEF/CPCB.
28. Measures shall be taken for control of noise level to the limits prescribed by C.P.C.B.
29. Special Measures shall be adopted to protect the nearby settlements from the impacts of mining activities. Maintenance of Village roads through which transportation of minor minerals is to be undertaken, shall be carried-out by the project proponent regularly at his own expenses.
30. Measure for prevention & control of soil erosion and management of silt shall be undertaken. Protection of dumps against erosion, if any, shall be carried-out with geo textile matting or other suitable material.
31. Under corporate social responsibility a sum of 5% of the total project cost or total income whichever is higher is to be earmarked for total lease period. Its budget is to be separately maintained. CER component shall be prepared based on need of local habitant. Income generating measures which can help in upliftment of poor section of society, consistent with the traditional skills of the people shall be identified. The programme can include activities such as development of fodder farm, fruit bearing orchards, free distribution of smokeless Chula etc.
32. Possibility for adopting nearest three villages shall be explored and details of civic amenities such as roads, drinking water etc proposed to be provided at the project proponent's expenses shall be submitted within 02 months from the date of issuance of Environment Clearance.
33. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Lucknow, SEIAA, U.P and UPPCB.
34. Action plan with respect to suggestion/improvement and recommendations made and agreed during Public Hearing shall be submitted to the District mines Officer, concern Regional Officer of UPPCB and SEIAA within 02 months.
35. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the competent authority, if applicable to this project.
36. The proponent shall observe every 15 day for nesting of any turtle in the area. Based on the observations so made, if turtle nesting is observed, necessary safeguard measures shall be taken in consultation with the State

Wildlife Department. For the purpose, awareness shall be created amongst the workers about the nesting sites so that such sites, if any, are identified by the workers during operations of the mine for taking required safeguard measures. In this regards the safety notified zone should be left so that the habitat/nesting area is undisturbed.

37. The project proponent shall undertake adequate safeguard measures during extraction of river bed material and ensure that due to this activity the hydro geological regime of the surrounding area shall not be affected.
38. The project proponent shall obtain necessary prior permission of the competent Authorities for withdrawal of requisite quantity of water (surface water and groundwater), required for the project.
39. Appropriate mitigative measures shall be taken to prevent pollution of the river in consultation with the State Pollution Control Board. It shall be ensured that there is no leakage of oil and grease in the river from the vehicles used for transportation.
40. Vehicular emissions shall be kept under control and regularly monitored. The vehicles carrying the mineral shall not be overloaded.
41. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. (MoEF circular Dated : 22-09-2008 regarding stipulation of condition to improve the living conditions of construction labour at site).
42. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
43. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
44. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Lucknow by e-mail.
45. The green cover development/tree plantation is to be done in an area equivalent to 20% of the total leased area either on river bank or along road side (Avenue Plantation).
46. Debris from the river bed will be collected and stored at secured place and may be utilized for strengthen the embankment.
47. Safety measures to be taken for the safety of the people working at the mine lease area should be given, which would also include measure for treatment of bite of poisonous reptile/insect like snake.
48. Periodical and Annual medical checkup of workers as per Mines Act and they should be covered under ESI as per rule.

Specific Conditions for Sand Moram Mining :-

1. The project proponent shall ensure that if the project area falls within the eco-sensitive zone of National park/ Sanctuary prior permission of statutory committee of National board for wild life under the provision of Wildlife (Protection) Act, 1972 shall be obtained before commencement of work.
2. If in future this lease area becomes part of cluster of equal to or more than 25 ha. then additional conditions based on the EIA shall be imposed. The lease holder shall mandatorily follow cluster conditions otherwise it will amount to violation of E.C. conditions. If the certificate related to cluster provided by the competent authority is found false or incorrect then punitive actions as per law shall be initiated against the authority issuing the cluster certificate.
3. The Environmental clearance will be co-terminus with the mining lease period.
4. 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.
5. To avoid ponding effect and adverse environmental conditions for sand mining in area, progressive mining should be done as per sustainable sand mining management guidelines 2016.
6. Geo coordinates should be verified by Director, DGM/District Magistrate/Regional Mining Officer/NHAI and should be submitted to SEIAA/SEAC, Secretariat as earliest.
7. In case it has been found that the E.C. obtained by providing incorrect information, submitting that the distance between the two adjoining mines is greater than 500mt. and area is less than 25ha, but factually the distance is less than 500 mt and the mine is located in cluster of area equal or more than 25ha, the E.C issued will stand revoked.
8. The project proponent shall in 2 years conduct detailed replenishment study duly authenticated by a QCI-NABET accredited consultant, and the District Mines Officer which shall form the basis for midterm review of conditions of Environmental Clearance.
9. The mining work will be open-cast and manual/semi mechanized (subject to order of Hon'ble NGT/Hon'ble Courts (s)). Heavy machine such as excavator, scooper etc. should not be employed for mining purpose. No drilling/blasting should be involved at any stage.
10. It shall be ensured that there shall be no mining of any type within 03 m or 10% of the width whichever is less, shall be left on both the banks of precise area to control and avoid erosion of river bank. The mining is confined to extraction of sand/moram from the river bank only.
11. The project proponent shall undertake adequate safeguard measures during extraction of river bank material and ensure that due to this activity the hydro-geological regime of the surrounding area shall not be affected.
12. The project proponent shall adhere to mining in conformity to plan submitted for the mine lease conditions and the Rules prescribed in this regard clearly showing the no work zone in the mine lease i.e. the distance from the bank of river to be left un-worked (Non mining area), distance from the bridges etc. It shall be ensured that no mining shall be carried out during the monsoon season.
13. The project proponent shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
14. The project proponent will provide personal protective equipment (PPE) as required, also provide adequate training and information on safety and health aspects. Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
15. The critical parameters such as PM10, PM2.5, SO2 and NOx in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water if any shall also be monitored [(TDS, DO, pH, Fecal Coliform and Total Suspended Solids (TSS))].
16. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads.
17. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.

18. The extended mining scheme will be submitted by the proponent before expiry of present mining plan.
19. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for monitoring PM10, PM2.5, SO2 and NOx. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
20. Common road for transportation of mineral is to be maintained collectively. Total cost will be shared/worked out on the basis of lease area among users.
21. Proponent will provide adequate sanitary facility in the form of mobile toilets to the labours engaged for the project work.
22. Solid waste material viz., gutkha pouchs, plastic bags, glasses etc. to be generated during project activity will be separately storage in bins and managed as per Solid Waste Management rules.
23. Green area/belt to be developed along haulage road in consultation of Gram Sabha/Panchyat.
24. Natural/customary paths used by villagers should not be obstructed at any time by the activities proposed under the project.
25. Digital processing of the entire lease area in the district using remote sensing technique should be done regularly once in three years for monitoring the change of river course by Directorate of Geology and Mining, Govt. of Uttar Pradesh. The record of such study to be maintained and report be submitted to Regional office of MoEF, SEIAA, U.P. and UPPCB.
26. A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal. The clearance letter shall also be put on the website of the company.
27. State Pollution Control Board shall display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/Tehsildar's Office for 30 days.
28. The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the SEIAA at <http://www.seiaaup.in> and a copy of the same shall be forwarded to the Regional Office of the Ministry located in Lucknow, CPCB, State PCB.
29. The MoEF/SEIAA or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
30. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
31. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
32. Waste water from potable use be collected and reused for sprinkling.
33. During the school opening and closing time vehicle movement will be restricted.
34. A width of not less than 50 meter or 10% width of river can be restricted for mining activities from river bank. A condition can be imposed that mining will be done from river activities from river bank.