

Minutes of 530th SEAC Meeting Dated 09/03/2021

The 530th meeting of SEAC was held in Directorate of Environment, U.P. on 09/03/2021. Following members were present in the SEAC meeting:

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

The Chairman welcomed the members to the 530th SEAC meeting which was conducted online. The SEAC unanimously took following decisions on the agenda points discussed:

1. Commercial/Multiplex Building at Plot No.- C.P.-138, Sector- D-1, Kanpur Road, Lucknow., Shri Sachin Agarwal, Dalmandi Rakabganj, Lucknow. File No. 6128/Proposal No. SIA/UP/MIS/193053/2021

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

1. The environmental clearance is sought for Commercial/Multiplex Building at Plot No.- C.P.-138, Sector- D-1, Kanpur Road, Lucknow, U.P., M/s Poddar Real Estate Pvt. Ltd.
2. Salient features of the project:

| | |
|-----------------------------------|-------------------------|
| Plot area | 9855.00 m ² |
| Built-up Area | 33225.48 m ² |
| Building Height | B+G+3 |
| Ground Coverage | 4909.59 m ² |
| Landscaping area | 1873.00 m ² |
| Total Expected Population | 2100 Persons |
| Source of water supply | 2 nos. of borewell |
| Electricity supply | 33 KV |
| Total Consumption of Water | 55 KLD |
| Total MSW Generated | 355 Kg/Day |
| STP capacity | 45 KLD |
| Nos. of Rain Water Harvesting Pit | 2 nos. |
| Total Project Cost | 50 Crore |
| Time of Completion | Upto Year 2024 |
| Total Parking | 435 ECS |
| Total Population | 2100 |

3. Land use details:

| S.N. | Particulars | Area (m ²) | Percentage (%) |
|------|-------------|------------------------|----------------|
|------|-------------|------------------------|----------------|

| | | | |
|-----------------|---------------------|---------|-------|
| 1. | Ground Coverage | 4909.59 | 49.81 |
| 2. (A) | Softscaping Area | 1479 | 15.02 |
| 2. (B) | Hardscaping Area | 394 | 4.00 |
| 3. | Parking & Road Area | 3072.41 | 31.17 |
| Total Plot Area | | 9855 | 100 |

4. Water requirement details:

| S.No | Water use | Population | Per Capital in (LPCD) | Water Requirement (KLD) | Waste Water Generation (KLD) |
|----------------------------|------------|------------|-----------------------|-------------------------|------------------------------|
| 1 | Staff | 400 | 45 | 18 | 14.4 |
| 2 | Visitors | 1700 | 15 | 25.5 | 20.4 |
| Domestic Water Requirement | | | | 43.5 | 34.8 |
| 3 | Green Area | 1873 | 1.0 l/m ² | 1.87 | - |
| 4 | D.G. Set | 2730 KVA | 0.9 l/KVA/4 hr | 9.93 | - |
| Total water Requirement | | | | 55.3 | 34.8 |

5. Solid waste generation details:

| S.no. | Description | Population | Per capita MSW generation as per GRIHA (Kg/day) | Total MSW generation (Kg/day) | Biodegradable /Compostable (50%) (Kitchen and garden waste) | Recyclable (18%) (metals, glass, paper, plastics) | Non-compostable (32%) (inert wastes) |
|-------|-------------|------------|---|-------------------------------|---|---|--------------------------------------|
| 1 | Staff | 400 | 0.25 | 100 | 50 | 18 | 32 |
| 2 | Visitors | 1700 | 0.15 | 255 | 127.5 | 45.9 | 81.6 |
| Total | | | | 355 | 177.5 | 63.9 | 113.6 |

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

RESOLUTION AGAINST AGENDA NO-01

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

1. In compliance to Hon'ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs GOI and others) anti smog guns shall be installed to reduce dust during excavation.
2. Solar energy to be used alternatively on the road and common places for illumination to save conventional energy as per ECBC Code.
3. The project proponent shall submit within the next 3 month the data of ground water quality including fluoride parameter to the limit of minimum deduction level for all six monitoring stations.
4. 15% area of the total plot area shall be compulsorily made available for the green area development including the peripheral green area. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
5. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
6. Permission from local authority should be taken regarding discharge of excess water into the sewer line.
7. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed

work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.

8. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
9. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase.
10. Project proponent shall ensure completion of STP, MSW disposal facility, green area development prior to occupation of the buildings.
11. Municipal solid waste shall be disposed/managed as per Municipal Solid Waste (Management and Handling) Rules, 2016.
12. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
13. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
14. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area).
15. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
16. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
17. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
18. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
19. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as cylinder for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
20. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
21. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
22. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution of board of directors shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted along with six monthly compliance reports.
23. No parking shall be allowed outside the project boundary.
24. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
25. Surface rain water has to be collected in kacchha pond for ground water recharging and irrigation of horticulture and peripheral plantation.

26. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
 27. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
 28. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
 29. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
 30. The green area design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area and pollution also reduced. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green area Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
 31. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
 32. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
 33. Roof top water in rainy season is to be discharged into RWH pits for ground water recharging. Arrangement shall be made that waste water and storm water do not get mixed.
 34. All the internal drains are to be covered till the disposal point.
 35. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.
 36. Reflecting paint should be used on the roof top and side walls of the building tower for cooling effect.
2. **Up Gradation of District Hospital LakhimpurKheri from 140 to 500 Bedded at Lakhimpur. Dr. R.C. Agrawal, Chief Medical Superintendent, Police Line Road, Mohammdi, LakhimpurKheri. File No. 6140/Proposal No. SIA/UP/MIS/195183/2021**

RESOLUTION AGAINST AGENDA NO-02

A presentation was made by the project proponent along with their consultant M/s Chandigarh Pollution Testing Laboratory-EIA Division. The committee discussed the matter and directed the project proponent to submit following information:

1. Revised water balance diagram.
2. Vetted structural stability certificate.
3. Revised ETP capacity.
4. Revised site plan with respect to ETP/STP.
5. Plan for radioactive waste management and its disposal.
6. Revised form-1.
7. Secondary baseline data.
8. Amount of municipal solid waste and biomedical waste separately.

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

3. Construction of New Fire Training Academy inclusive of auditorium and hostel block in Civil Aviation Training College, Bamrauli, District-Prayagraj, U.P., Shri Rajiv Ratan Pandey, Deputy General Manager (Engg-Civil) behalf of Principal/ Executive Director, Airports Authority of India. File No. 6143/Proposal No. SIA/UP/MIS/195535/2021

The committee noted that an application for environmental clearance for Construction of New Fire Training Academy inclusive of auditorium and hostel block in Civil Aviation Training College, Bamrauli, District-Prayagraj, U.P. was submitted to SEIAA on dated 29/01/2021. However, the project proponent requested for exemption from the requirement of environmental clearance in light of provisions made in MoEF&CC, Govt. of India Notification No. S.O. 3252(E) dated 22/12/2014.

A presentation was made by the project proponent along with their consultant M/s Ind Tech House Consult. The committee went through the MoEF&CC, Govt. of India Notification dated 22/12/2014, wherein the following provisions have been mentioned:

"The project or activities shall not include industrial shed, school, college, hostel for education institution but such building shall ensure sustainable environmental management, solid and liquid waste management, rain water harvesting and may use recycled materials such as fly ash bricks."

RESOLUTION AGAINST AGENDA NO-03

The committee observed that the project proposal relates to Construction of New Fire Training Academy inclusive of auditorium and hostel block in Civil Aviation Training College which falls under category of school/college/hostel hence, provisions of exemption given under Notification no. S.O. 3252(E), dated 22/12/2014 shall be applicable. Being an educational institution EC in this case is not required. Further, it is also directed to project proponent to ensure sustainable environmental management, solid and liquid waste management, rain water harvesting and use of recycled materials such as fly ash bricks in the construction/operation of the project as stipulated under Notification, dated 22/12/2014 and regular compliance reports should be submitted.

4. Up Gradation of Existing District Hospital, Sonbhadra from 210 Bedded to 330 Bedded at District- Sonbhadra, U.P., Dr.P. B. Gautam, C.M.S., District Hospital, Robertsganj, Sonbhadra, U.P. File No. 6146/Proposal No. SIA/UP/MIS/195999/2021

RESOLUTION AGAINST AGENDA NO-04

The absence of project proponent or any responsible person of the said project from project proponent side from the Health Department shows a high degree of disregard of the committee. The project should be listed again on the online request of project proponent when he has the time to come before the committee.

5. Government Medical College for Admission & Up gradation of District Hospital upto 500 Beds at Bulandshahr, U.P. Dr. Rajeev Prasad, Chief Medical Superintendent, B.B.D. Govt. Hospital, Bulandshahr, U.P. File No. 6154/Proposal No. SIA/UP/MIS/196317/2021

RESOLUTION AGAINST AGENDA NO-05

The absence of project proponent or any responsible person of the said project from project proponent side from the Health Department shows a high degree of disregard of the committee. The project should be listed again on the online request of project proponent when he has the time to come before the committee.

6. New Medical College attached with existing District/Referral Hospital and Upgradation of district hospital to 500 bedded Hospital at Pilibhitt, U.P., Shri Vipin Rai, Superintending Engineer, M/s Public Works Department. File No. 6158/Proposal No. SIA/UP/MIS/196929/2021

RESOLUTION AGAINST AGENDA NO-06

The committee observed that the project proponent has applied for EC for the titled project “New Medical College attached with existing District/Referral Hospital and Up gradation of district hospital to 500 bedded Hospital at Pilibhitt, U.P.”

The SEAC observed that the distance between proposed new medical college and existing hospital is about 9.5 Km. Hence, SEAC opined that the said proposal is totally against the provision of EIA notification, 2006 (as amended). The file is closed/rejected. The PP/Consultant may apply on online portal afresh for further consideration.

7. New Medical College attached with existing district /Referral Hospital and Up gradation of district hospital to 500 bedded Hospital at Chandauli, U.P., Shri Vipin Rai, Superintending Engineer, M/s Public Works Department. File No. 6159/Proposal No. SIA/UP/MIS/197058/2021

RESOLUTION AGAINST AGENDA NO-07

The committee observed that the project proponent has applied for EC for the titled project “New Medical College attached with existing district /Referral Hospital and Up-gradation of district hospital to 500 bedded Hospital at Chandauli, U.P.”

The SEAC observed that the distance between proposed new medical college and existing hospital is about 5.0 Km. Hence, SEAC opined that the said proposal is totally against the provision of EIA notification, 2006 (as amended). The file is closed/rejected. The PP/Consultant may apply on online portal afresh for further consideration.

8. Upgradation & Expansion of Existing District Hospital at Gonda, Dr. Ghanshyam Singh, Chief Medical Superintending, Department of Medical Education, Gonda, U.P. File No. 6182/Proposal No. SIA/UP/MIS/197384/2021

RESOLUTION AGAINST AGENDA NO-08

The committee observed that the project proponent did not provide any details of existing hospital. Hence, the committee decided to defer the matter due to incomplete information. The matter shall be discussed after submission of online information on prescribed portal.

9. Construction of Government Medical College at Sonebhadra, Dr. P. B. Gautam, C.M.S., Sonbhadra District Hospital, Robertsganj, Sonebhadra. File No. 6184/Proposal No. SIA/UP/MIS/195854/2021

RESOLUTION AGAINST AGENDA NO-09

The absence of project proponent or any responsible person of the said project from project proponent side from the Health Department shows a high degree of disregard of the committee. The project should be listed again on the online request of project proponent when he has the time to come before the committee.

10. Construction of 100 Admission Government Medical College with expansion of 150 Admission & Up gradation of District Hospital upto 500 Beds at Lalitpur, U.P., Shri Navneet Singh Rajput, Provincial Division, Public Works Department PWD, Lalitpur, U.P. File No. 6187/Proposal No. SIA/UP/MIS/197702/2021

RESOLUTION AGAINST AGENDA NO-10

The project proponent/consultant did not appear. The committee discussed and deliberated that 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.

11. Common Biomedical Waste Management Facility at Khasra No.-1161, Village- Kumraua, Block- Saron, Tehsil & District- Kasganj, U.P., M/s Indo Tech Waste Solution. File No. 6191/Proposal No. SIA/UP/MIS/60737/2021

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

1. The environmental clearance is sought for Common Biomedical Waste Management Facility at Khasra No.-1161, Village- Kumraua, Block- Saron, Tehsil & District- Kasganj, U.P., M/s Indo Tech Waste Solution.

2. Salient features of the project:

| | |
|-----------------------------|--|
| Project Activity | 7(da) -- Bio-Medical Waste Treatment Facilities |
| Category | Category B |
| Key Details of the Project | |
| Project Capacity (Proposed) | Proposed Project Capacity-10,000 beds Current BMW Waste Generation- 10,000 beds The proposed project will cover 75 km or more if required as per authority requirements. |
| New/Expansion/Modernization | New |
| Land Area | 4081 Sqm (0.408 ha) |
| Land Ownership | Lease land for 15 years by Mr. Raman Kumar of M/s Indo Tech Waste Solution. |
| Water Requirement & Source | 5 KLD, Source- Bore Well (CGWB Application would be applied) |
| Project Cost | Rs- 172/- Lakhs (1.72/- Crore) |
| Nearest Water Bodies/Rivers | |
| Power Requirement & Source | 62 KW, Source- Dakshinanchal Vidyut Vitran Nigam Ltd (DHVNL). DG set (62.5 KVA) is proposed for power backup. |
| Employment | |
| Full Time Employees | 42 |
| Contract Employees | The labours and workers will be hired from near by villages. |
| Location Details | |
| Location | Kumraua Village, Block- Saron District- Kasganj, Uttar Pradesh |
| Khasra No. | Khasra No.- 1161 |
| Coordinates | |
| SOI Topo Map No. | 45I/9, 53L/12, 54I/5 & 53L/8 |
| Nearest Railway Station | Kasganj Railway Station (16.10 km in S) |
| Nearest Airport | Agra (Pandit Deen Dayal Upadhyay) Airport (110 km in SW) |
| Nearest Town/Habitation | Pachlana 1 Km in NNE |
| Seismic Zone | Seismic Zone- IV |

3. Land use details:

| S.No. | Components/Particular | Area in SQ.M. | Percentage |
|------------|---|---------------|------------|
| 1 | Build up Area (Autoclave, Shredder etc..) | 831.00 | 20.36 |
| 2 | Incinerator Area | 334.00 | 8.18 |
| 3 | E.T.P Area | 25.00 | 0.61 |
| 4 | Road Area | 1055.00 | 25.85 |
| 5 | Green Belt | 1347.00 | 33.00 |
| 6 | Open Area | 489.00 | 11.98 |
| Total Area | | 4081.00 | 100 |

4. Green Area details:

| | |
|---|--------------------------------------|
| Total Green belt (33%) | 1347 Sq. mt |
| No of Rows | Three Rows |
| Plantation Type | Trees- APTI-ITRA |
| Total No. Trees Proposed | 1300No. |
| Shrubs | 400 No. |
| Odour management Species | ITRA Plantation technique (Z shape) |
| Indigenous Tree & root Aroma Plantation © IECRS | |

5. Equipment details:

| S.No | Equipment | Installed Capacity | Number |
|------|----------------------------------|----------------------------|--------|
| 1 | Static Dry Incinerator | 200 Kg/hrs | 1 |
| 2 | Horizontal Cylindrical Autoclave | 2500 ltr/hr or 250Kg/batch | 1 |
| 3 | Shredder | 150 kg/hrs | 1 |
| 4 | Effluent Treatment Plant | 5 KLD | 1 |

6. Total water requirement of the project during construction phase is 02 KLD and operation phase is 05 KLD which shall be sourced from nearby areas.

7. The amount of total waste water generated out of proposed CBWTF is 2 KLD which shall be treated in 5 KLD ETP. It will be a Zero Liquid Discharge Unit.

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

RESOLUTION AGAINST AGENDA NO-11

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

(A) Additional TOR:

1. Letters from CMO, Kasganj regarding feasibility/requirement of Common Biomedical Waste Treatment Facility at the proposed site at the time of EIA.
2. Common biomedical waste inventory should be provided.
3. The EIA report should address regarding the disposal of covid-19 waste as per the latest guidelines.
4. PP/Consultant should provide the details of other bio medical waste facility within 75 Km radius of the proposed site.
5. 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.
6. Submit the details of the road/rail connectivity along with the likely impacts and mitigative measures.
7. Submit the present land use and permission required for any conversion such as forest, agriculture etc.

8. 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.
9. Land requirement for the facility including its break up for various purposes, its availability and optimization.
10. 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.
11. Details on collection and transportation of Bio Medical Waste from health care establishments, No. of vehicles and feature of vehicles, etc.
12. 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.
13. Details of the proposed overall safety and health protection measures and submit specific programme.
14. Details on source of water and power supply.
15. Details of the existing access road(s)/walkways to the designed operations in the site and its layout.
16. Location of the incineration facility and nearest habitats with distances from the facility to be demarcated on a toposheet (1: 50000 scale).
17. Land use map based on satellite imagery including location specific sensitivities such as national parks / wildlife sanctuary, villages, industries, etc.
18. Topography details.
19. Surface water quality of nearby water bodies.
20. Details on proposed groundwater monitoring wells, locations, frequency of monitoring, parameters, etc.
21. 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.
22. Action plan for the greenbelt development in accordance to CPCB published guidelines.
23. Details on pollution control technologies and online monitoring equipments.
24. Details on monitoring of pollutants at source –performance of the incinerator. Including operating hours, fuel consumption, operating parameters (Combustion chamber – temperature, pressure, Stack temperature, total particulate matter, HCl, NOx as per Bio Medial Waste (Management & Handling) Rules 1998.
25. Stack and fugitive emissions may be monitored for SPM, SO₂ & NOx as per Bio Medical Waste (Management & Handling) Rules 2016.
26. Details of Administrative and technical organizational structure.
27. 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).
28. Details of the emergency preparedness plan and on-site & off-site disaster management plan.
29. Affidavit to be submitted for the actual surveys done with detailed photographs of monitoring etc.
30. NOC from UPPCB shall be taken and submitted to SEAC before submission of EIA report.
31. Examine the details of transportation of Hazardous wastes, and its safety in handling.
32. Examine and submit the details of on line pollutant monitoring.

33. Examine the details of monitoring of Dioxin and Furon.
34. MoU for disposal of ash through the TSDF.
35. MoU for disposal of scrubbing waste water through CETP.
36. Examine and submit details of monitoring of water quality around the landfill site.
37. Examine and submit details of the odour control measures.
38. Examine and submit details of impact on water body and mitigative measures during rainy season.
39. 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.
40. Water quality around the landfill site shall be monitored regularly to examine the impact on the ground water.
41. The storage and handling of hazardous wastes shall be as per the Hazardous Waste Management Rules.
42. Submit details of a comprehensive Disaster Management Plan including emergency evacuation during natural and man-made disaster.
43. 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.
44. 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.
45. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
46. 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.

12. Sand/Morrum Mining from Yamuna River Bed River at Khand No.- 9/8 to 9/10, Village-Umarwal, Tehsil- Chail, Kaushambi., Smt. Mansi Rastogi W/o Shri Deepak Rastogi, M/s Balaji Coal Company, Area: 18.00 ha. File No. 6204/5324/Proposal No. SIA/UP/MIN/60868/2019

RESOLUTION AGAINST AGENDA NO-12

The committee observed that the project proponent did not show any baseline monitoring data within 500m (core zone) of the lease area. Hence, the committee decided that the project proponent/consultant should present baseline data as per EIA Notification, 2006 (as amended) for appraisal.

13. Sand Mining from Yamuna River Bed at Gata No.-13, Village-Palpur, Imiliya Kalinjara, Tehsil-Karchhana, Allahabad., M/s Sakshi Construction, Area-10.0 Ha. File No. 4009/Proposal No. SIA/UP/MIN/ 72441/2018

RESOLUTION AGAINST AGENDA NO-13

As per presentation made and documents provided by the project proponent/consultant, the committee observed that in the light of SSMMG, 2016 and EMGSM-2020, the lease area is almost submerged, hence, the environmental clearance may not be recommended at this stage and thus the file should be closed/rejected.

- 14. Sand Mining from Yamuna River Bed at Gata No.-20, Village Fulwa, Bisauna & Jonhwal, Tehsil-Sadar, Allahabad, U.P., M/s Laxmi Construction, Area-8.0 Ha). File No. 4010/Proposal No. SIA/UP/MIN/ 72444/2018**

RESOLUTION AGAINST AGENDA NO-14

As per presentation made and documents provided by the project proponent/consultant, the committee observed that in the light of SSMMG, 2016 and EMGSM-2020, the lease area is almost submerged, hence, the environmental clearance may not be recommended at this stage and thus the file should be closed/rejected.

- 15. Sand Mining from Yamuna River Bed at Khand No.- 09, Village- Jagdishpur, Tehsil- Bara, Allahabad, U.P., M/s Sakshi Construction Company., Area-6.00 ha. File No. 4314/Proposal No. SIA/UP/MIN/ 75076/2018**

RESOLUTION AGAINST AGENDA NO-15

As per presentation made and documents provided by the project proponent/consultant, the committee observed that in the light of SSMMG, 2016 and EMGSM-2020, the lease area is almost submerged, hence, the environmental clearance may not be recommended at this stage and thus the file should be closed/rejected.

- 16. Sand Mining from Yamuna River Bed, Khand No.-15, Village-Mohabbatganj, Tehsil-Karchhana, District- Allahabad, U.P. Area of 8.0 Ha File No. 4443/Proposal No. SIA/UP/MIN/ 76100/2018**

RESOLUTION AGAINST AGENDA NO-16

As per presentation made and documents provided by the project proponent/consultant, the committee observed that in the light of SSMMG, 2016 and EMGSM-2020, the lease area is almost submerged, hence, the environmental clearance may not be recommended at this stage and thus the file should be closed/rejected.

(Dr. Virendra Misra)
Member

(Dr. Pramod Kumar Mishra)
Member

(Dr. Ranjeet Kumar Dalela)
Member

(Shri Meraj Uddin)
Member

(Dr. Ajoy Kumar Mandal)
Member

(Shri Rajive Kumar)
Member

(Dr. Sarita Sinha)
Member

(Dr. S.N. Singh)
Chairman

Annexure-1

Terms of Reference for the Mining Project

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

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

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

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

allocations.

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