

Minutes of the fifty-eighth meeting of the State Level Expert Appraisal Committee, West Bengal held on December 14, 2022 at 14:00 Hrs. at the Conference Room, Paribesh Bhawan, Bidhannagar.

The 58th meeting of the State Expert Appraisal Committee (SEAC), was held on 14.12.2022 at 2:00 p.m. in the Conference Room at Paribesh Bhawan, Bidhan Nagar. The following members participated:

1)	Dr. Rajesh Kumar, IPS	Secretary, SEAC	Present
2)	Dr. Ashit Kumar Mukherjee	Chairman, SEAC	Present
3)	Dr. Nilangshu Bhusan Basu	Member, SEAC	Present
4)	Prof. (Dr.) Pradip Kumar Sikdar	Member, SEAC	Present
5)	Prof. (Dr.) Anirban Gupta	Member, SEAC	Present
6)	Prof. (Dr.) Aniruddha Mukhopadhyay	Member, SEAC	Present
7)	Prof. (Dr.) Sampa Chakrabarti	Member, SEAC	Present
8)	Prof. (Dr.) Suchandra Bardhan	Member, SEAC	Present
9)	Shri Shubhendu Bandyopadhyay	Member, SEAC	Present

1) Note on Technical presentations:-

1.1) For Environmental Clearance

1.1.1) Construction Sector

A. Proposed Residential cum Commercial Complex “IT/ITES and Residential Building” at Action Area – 2F, Premises No. 03-0370, Registered as Plot No. AA-IIF/5, Dist – North 24 Parganas, West Bengal.

Proposal No.	SIA/WB/INFRA2/407812/2022
Project Proponent -	M/s. RDB Anekant ORBIT Properties Pvt. Ltd.
Environmental Consultant -	M/s. UltraTech.

Activity:

- This is a proposal for 1 No. Commercial IT/ITES Building of B+G+12 storied and 1 No. Residential Building of B+G+22 storied with Total Built-up area 67847.15 sqm. Total Land area of the project is 21820.00 sqm. (as per Deed). Total no. of flats 103.

Salient Features

- Salient features of the proposed project as uploaded in the PARIVESH portal may be summed up as below –

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Land area of the project (as per deed)	21820.00 sqm.
Total Built-up area	90804.564 sqm. (Commercial – 70537.52 sqm., Residential-20267.044 sqm.) F.A.R Built up Area -67847.15 sqm.
Proposed Ground Coverage Area	7891.32 sqm (36.17% of Land Area)
Exclusive Tree Plantation Area	4530.58 sqm (20.76% of Land Area)
Paved Area	6679.49 sqm (30.61% of Land Area)
Open Parking Area	910.34 sqm (4.17% of Land Area)
Service Area	1808.27 sqm. (8.29% of Land Area)
No. of stories	1 No. Commercial IT/ITES Building of B+G+12 storied and 1 No. Residential Building of B+G+22 storied
No. of Flats	103 nos. (3 BHK – 61, 4 BHK – 40, 5 BHK – 2)
Latitude & Longitude of site	22° 34' 55.42" N, 88° 29' 26.93" E
Source of Water	WBHIDCO supply
Quantum of Water required	319 KLD
Quantity of Wastewater Generation	218 KLD (Commercial – 144 KLD & Residential – 74 KLD)
Treated Wastewater Recycled	152 KLD (to be used in landscaping, flushing, car washing & yard washing)
Quantity of Wastewater Discharge	66 KLD
Quantum of Fresh Water required	167 KLD
Quantity of Solid Waste Generation (operational phase)	1050 kg/day (Commercial – 700 kg/day, Residential - 350 kg/day)
Constructional phase Water Demand	91 KLD (77 KLD for workers and 14 KLD for construction work)
Total Population During Construction	1100 persons
Total Population During Operation	5639 (Fixed – 3855, Floating – 1714, Service – 70) persons
Electricity (Connected Load)	3413 KVA (2730 KW) by WBSEDCL
D.G. Sets for Back Up power	2 x 1500 KVA (for commercial part) and 1 x 500 KVA (for residential part)
Parking Provided	Cars – 958 nos. (covered parking for commercial part – 769 nos. residential – 189 nos.)
Total no. of trees	400 nos.
Total project cost (Rs.)	Rs.41304.5 lakhs

Chronology of the event:

- The project proponent (PP) applied in prescribed format for Environmental Clearance and uploaded the application in the PARIVESH portal on 24.11.2022 based on the revised sanction plan (Building Pin No. R0030037020220929 dated 29.09.2022 use group IT & ITES Business Building).

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- Earlier an EC was issued in the name of M/s. DLF Ltd. vide No. 3004/EN/T-II-1/077/2017 dated 31.08.2018 for the same land parcel.
- A Deed of Sale between M/s. DLF Ltd. & M/s. RDB Anekant Orbit Properties Private Limited has been executed dated 18.08.2021.
- The PP was called for the EC presentation in the 58th SEAC meeting held on 14.12.2022 and the PP presented their proposal in this meeting.

SEAC observation and recommendations:

- After careful consideration and detailed deliberation based on the documents submitted by the PP, the committee **recommended Environmental Clearance** for the proposed project, in cancellation of the previous EC issued in the name of M/s. DLF Ltd. vide No. 3004/EN/T-II-1/077/2017 dated 31.08.2018 (since previously EC was granted in the same premise and the principle use is for IT & ITES), with the following conditions :-
 - i) The PP should construct adequately designed Sewage Treatment Plant (STP) to meet the standards of treated effluent discharge [pH : 5.5 – 9.0, BOD: 10 mg/l, TSS : 20mg/l, COD : 50 mg/l, Nitrogen – Total : 10 mg/l, Phosphorus – Total (for discharge into ponds, lakes) : 1.0 mg/l & Fecal Coliform (FC) : Desirable – 100 MPN / 100 ml, Permissible – 230 MPN / 100 ml].
 - ii) The PP shall install the following :-
 - a) Solar smart meter for recording generation.
 - b) Smart flow water meter with totalizer at inlet for fresh water, for inlet, recycle and discharge of wastewater/ treated wastewater with provision for water quality monitoring at all such points.
 - c) Sensor based water quality management system.
 - d) STP with the digital data for inlet / outlet along with discharge quality.
 - e) Ambient air quality monitoring station.
 - f) Ambient noise quality monitoring station.
 - g) Display board for display of all the environmental parameters.
 - iii) The PP should ensure that the construction work for the basement does not affect the natural flow of ground water.
 - iv) The PP should ensure the compliance of the provisions of West Bengal Energy Conservation Building Code (WBECBC), 2020 issued by the Department of Power, Government of West Bengal vide gazette notification no. 07-PO/O/C-I11/4M-14/2016(Part-1) dated 13th January, 2020.
 - v) At least 1% of the total demand load (peak) should be met through solar power. Solar power with properly designed PV array may be considered for grid connection (net metering).
 - vi) Adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB / SWID norms.
 - vii) Charging facility for e-vehicles should be provided.

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- viii) Tree plantation should be done according to the DFO approved plantation plan for the project.
- ix) Mist cannon should be operated in the locality by the PP in the winter season using recycled wastewater from STP.
- x) Beneficiaries for the need-based activities should be identified with their needs and their names should be displayed.
- xi) STP flow diagram to be revised showing backwash water from ACF and PSF.
- xii) Topsoil removal and preservation as part of pre-construction measures shall be done as per NBC guidelines (part 10).

B. Proposed Residential Complex ‘Sampurna’ at Holding No. – 76F/1, B. T. Road, Panihati Municipality Ward No. 6, Mouza – Agarpara, JL No 11, Dag No. 1074, 1075, 1079, 1081, 1082, 1086, 1087, 1088, 1089, PS – Khardah, Dist – North 24 Parganas, West Bengal.

Proposal No. SIA/WB/INFRA2/407084/2022
Project Proponent - M/s. Rituraj Construction LLP.
Environmental Consultant - M/s. Ultra-Tech.

Activity:

- This is a proposal for residential complex “Sampurna” comprising of 3 residential blocks of G+18 storied and 1 commercial block of G+1 storied with total Built-up Area of 31401.420 sqm. Total Land area of the project is 7756.68 sqm. (as per survey), 8391.61 sqm. as per porcha and 8675.38 sqm. as per Municipal Record. Total no. of flats 275 Nos.

Salient Features

- Salient features of the proposed project as uploaded in the PARIVESH portal may be summed up as below –

Salient features	Existing project	Present proposal
Proposed Project area (as per survey)	7756.68 sqm.	7756.68 sqm.
Total Built-up area	19738.860 sqm.	31401.420 sqm
Proposed Ground Coverage Area	1487.63 sqm. (19.18% of land area)	2812.77 sqm (36.26% of Land Area)
Exclusive Tree Plantation Area	--	1603.86 sqm (20.68% of Land Area)
Paved Area	--	2100.83 sqm (27.08% of Land Area)
Pond Area	--	161.60 sqm (2.08% of Land Area)
Open Parking Area	--	498.71 sqm (6.43% of Land Area)
Service Area	--	578.91 sqm (7.46% of Land Area)
No. of blocks & storeys	1 residential block of G+18	3 residential blocks of G+18 and 1 commercial block of G+1 storied
No. of Flats	185 nos.	275 nos. (2 BHK: 91, 2.5 BHK – 76, 3 BHK – 108)

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Salient features	Existing project	Present proposal
Latitude & Longitude of site	26°41'03.27" N & 88°22'31.29"E	
Source of Water	--	Panihati Municipality supply
Quantum of Water required	--	211 KLD
Quantity of Wastewater Generation	--	154 KLD (designed STP – capacity 160 KLD)
Treated Wastewater Recycled	--	58 KLD
Quantity of Wastewater Discharge	--	96 KLD
Quantum of Fresh Water required	--	153 KLD
Quantity of Solid Waste Generation (operational phase)	--	850 kg/day (organic waste - 350 kg/day)
Constructional phase Water Demand	--	21 KLD (18 KLD for workers and 3 KLD for construction work)
Total Population During Construction	--	255 persons
Total Population During Operation	--	1831 nos. (Fixed- 1569, Floating- 246, Service- 16)
Electricity (Connected Load)	--	1120.41 KVA (952.3 KW) by CESC
D.G. Sets for Back Up power	--	1 no. of 600 KVA DG set
Parking Provided	148 nos.	266 nos. (Ground floor Covered- 89, Ground floor Open- 49, First floor – 63, second floor -65) Two-wheeler parking – 30 nos.
Total no. of trees	--	Existing – 10 nos. Proposed – 122 nos.
Total project cost (Rs.)	--	Rs.10200 lakhs.

Chronology of the event:

- The project proponent (PP) applied in prescribed format for Environmental Clearance and uploaded the application in the PARIVESH portal on 19.11.2022.
- The PP was called for the EC presentation in the 58th SEAC meeting held on 14.12.2022 and the PP presented their proposal in this meeting.

SEAC observation and recommendations:

- Based on the submission and presentation made by the PP, the committee recommended that the following submission / clarifications should be uploaded in the PARIVESH portal by the project proponent for further consideration: -
 1. The PP has submitted that the building profile of the existing phase is one residential block of G+18 having a built-up area of 19738.860 sqm. However, the phase I sanction plan shows two blocks having built-up area of 19738.860 sqm. Reasons for the discrepancy should be provided.
 2. Superimposed mouza map showing all the dag nos. within the project sanctioned area.

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3. In the Notary Affidavit submitted by the PP mentioning the summary of the land deed and the present classification, the R.S. Dag No. 1088 is shown as 'doba' instead of R.S. Dag No. 1087. Reasons to be mentioned.
4. The land area mentioned in the Development Agreement is 197 decimals (8040.452 sqm.), whereas the total land area as per the sanction plan is 207 decimals (8391.61 sqm.) and as per survey 7756.68 sqm. Reasons for the discrepancy should be provided.
5. The area of the waterbody as per physical measurement and boundary declaration compared to the recorded land documents from Competent Authority.
6. Shore Protection Plan for the waterbody.
7. Access for the parcel of land towards west of the waterbody. Actual area of the pond with water should be mentioned. Its embankment should be maintained as per guidelines. This pond may be used for storage of harvested rainwater. Water-quality of the pond should be regularly monitored.
8. Water supply provision and permission, both for construction and operation phase. Break-up of water supply, from Panihati Municipality and groundwater should be indicated.
9. Beneficiaries for the need-based activities should be identified with their needs and their names should be displayed. Restoration and Maintenance of the local water bodies as well as unprotected archaeological /historical monuments and/or sites in the municipal area should may also be considered.
10. Mist cannon should be operated in the locality by the PP in the winter season using recycled wastewater from STP. Plan and proposal in this regard should be submitted.
11. Detailed plan of solar power plant generation including PV array for atleast 1% of the connected load should be submitted. Area of rooftop provided to be shown in the plan.
12. Revised STP flow diagram showing PSF and ACF back wash.
13. The PP shall install the following :-
 - a) Solar smart meter for recording generation.
 - b) Smart flow water meter at inlet for fresh water, for inlet, recycle and discharge of wastewater/ treated wastewater.
 - c) Sensor based water quality management system.
 - d) STP with the digital data for inlet / outlet along with discharge quality.
 - e) Ambient air quality monitoring station.
 - f) Ambient noise quality monitoring station.
 - g) Display board for display of all the environmental parameters.Plan in this regard should be provided.
14. Clearance from Airport Authority of India for the project.

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All the documents should be duly signed by the project proponent and environmental consultant.

The SEAC suggested that an inspection of the project site should be conducted by the WBPCB to ascertain the present status of construction of the project.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through "PARIVESH" portal.

1.1.2) Industry Sector

- C. Proposed manufacturing of Butadiene based Synthetic Lattices facility of capacity 84,148 MT per annum at Plot No. 13/14, West Medinipur Division, Kharagpur Industrial Park, Nimpura, PO – Rakhajungle, Dist – Paschim Medinipur, PIN – 721301, West Bengal.**

Proposal No.	SIA/WB/IND3/408543/2022
Project Proponent -	M/s. Koove Organic Chemicals Private Limited
Environmental Consultant –	M/s. Enviro Infra Solutions Pvt. Ltd.

Activity:

- This is a proposal for manufacturing of Butadiene based Synthetic Lattices facility of capacity 84,148 MT per annum at Plot No. 13/14, West Medinipur Division, Kharagpur Industrial Park, Nimpura, PO – Rakhajungle, Dist – Paschim Medinipur, PIN – 721301, West Bengal.
- Salient features of the proposed project as uploaded in the PARIVESH portal may be summed up as below –

Project	Greenfield project for Integrated Paint manufacturing facility		
Location	Plot No. H3, H4, H5 –Vidyasagar Industrial Park of WBIDC, Village Baradiha & Gholagere, Taluka Kharagpur, District Paschim Medinipur, West Bengal.		
Latitude & Longitude of site	22°20'17.85" N, 87°15'23.80" E 22°20'25.99" N, 87°15'25.34" E 22°20'26.13" N, 87°15'32.81" E 22°20'15.89" N, 87°15'31.57" E		
Land area	Total Plot area - 24.52 Acres Project area – 15.12 acres (project area of M/s. R. S. Syndicate Pvt. Ltd. – 9.40 acres)		
Area breakup	Description	Area (Sqm.)	Area (acres)
	Proposed plant area	16492	4.07
	Road	8240	2.04
	Greenbelt (33%)	20540	5.07
	Water reservoir	2506	0.62
	Open area / raw material yard	12663	3.14

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	Admin building	720	0.18
	Total project area	61191	15.12
	NOC obtained project area (M/s. R. S. Syndicate Pvt. Ltd.)	38042	9.40
	Total plot area	99233	24.52
Products and capacities	Butadiene based Synthetic Lattices of capacity 84,148 MT per annum		
Raw materials	For Nitrile Butadiene Latex	Consumption (Kg/day)	Consumption (MT/annum)
	Butadiene	74,190	27,080
	Acrylonitrile	31,959	11,665
	Emulsifier	13,933	5,058
	Ancillary Chemicals	4,480	1,635
Working days in a year	300 days		
Manpower	During construction phase : <ul style="list-style-type: none"> • Permanent – 50 persons • Contractual – 150 persons During operational phase : <ul style="list-style-type: none"> • Permanent – 520 persons • Contractual – 120 persons 		
Water requirement	200 KLD from WBIIDC		
Power requirement	2.5 MW From West Bengal State Electricity Development Corporation Ltd (WBSEDCL)		
Power backup (DG Set)	1 x 1500 KVA		
Cost of the project	Rs.134 Crores		

Chronology of the event:

- The project proponent (PP) applied in prescribed format for Terms of Reference and uploaded the application in the PARIVESH portal on 19.02.2022.
- The PP had obtained Auto-Terms of References (TORs) issued by SEIAA, West Bengal vide their File no. EN/T-II-1/010/2022 dated 02.03.2022.
- Public hearing was conducted on 29.06.2022 by WBPCB.
- The PP applied for EC in prescribed format and uploaded final EIA report in the PARIVESH portal on 30.11.2022.
- The PP was called for the EC presentation in the 58th SEAC meeting held on 14.12.2022 and the PP presented their proposal in this meeting.

SEAC observation and recommendations:

- Based on the submission and presentation made by the PP, the committee recommended that the following submission / clarifications should be uploaded in the PARIVESH portal by the project proponent for further consideration: -

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1. A time bound progressive green belt development plan should be submitted and followed indicating quantitative coverage, plant species, spacing and time frame. A schematic planting prescription for an area of one Ha. is annexed as **Annexure 1**. Existing trees should be demarcated from the new ones and documented in the form of an inventory with species name, position on site etc.
2. Provision for butadiene and other toxic chemicals monitoring.
3. Chemicals to be used in the ETP. During presentation, the PP mentioned that acid, alkali and FeCl₃ coagulant-flocculant will be added. All these may increase TDS and Fe-content. Moreover, small quantities of styrene or acrylonitrile, soap, emulsifier may also be present in the reactor wash water. PP should ensure that the activated sludge (bioremediation) process will work properly under such conditions.
4. PP should mention the chemical name and formula of 'catalyst'. During presentation, they informed that it is potassium persulphate and is generally consumed. The term 'initiator' may be more appropriate instead of 'catalyst'.
5. Though the system is indicated as 'closed', there may be accidental leakage (fugitive emissions). Plan for mitigation of possible pollution due to dust, allergens, VOCs, 1,3-butadiene, styrene etc. and their health hazards should be provided.
6. There are a few generalized statements like 'facilitation of medical treatment facilities' and 'providing drinking water facility' in the need-based activity list. They should be elaborated and specified. Computer training of local youth may also be considered.
7. Water sprinklers/ mist canons should be made operating for air-pollution control.

All the documents should be duly signed by the project proponent and environmental consultant.

The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through "PARIVESH" portal.

D. Proposed Common Bio-Medical Waste Treatment Facility (CBWTF) at Mouza - Arazi Balarambati, P.S. – Sagardighi, Dist. – Murshidabad, West Bengal.

Proposal No.

SIA/WB/INFRA2/403670/2022

Project Proponent -

M/s. SNG Envirosolutions Pvt. Ltd.

Environmental Consultant -

M/s. Shivalik Solid Waste Management Limited.

Activity:

- This is a proposal for Common Bio-Medical Waste Treatment Facility (CBWTF) at Mouza - Arazi Balarambati, P.S. – Sagardighi, Dist. –Murshidabad, West Bengal.

Salient Features

- Salient features of the proposed project as per the EIA report as uploaded in the PARIVESH portal may be summed up as below –

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Brief description of the project	Proposed Project for setting up of Common Bio-Medical Waste Treatment Facility (CBWTF) includes Incinerator, Autoclave, Shredder and Effluent Treatment Plant.		
Project Location	Proposed Project Site is located at Plot No. 175/470, Mouza-Arazi Balarambati, P.S.- Sagardighi, Block- Sagardighi, District-Murshidabad. Site Coordinates: 24°21'32.55"N, 88°05'32.41"E 24°21'31.23"N, 88°05'37.79"E 24°21'29.53"N, 88°05'37.03"E 24°21'31.58"N, 88°05'31.91"E		
Proposed Plant Capacity	Particular	Number	Capacity
	Incinerator	02	250 Kg/hr
	Autoclave	01	1000 Ltr/batch
	Shredder	01	250 Kg/hr
	Effluent Treatment Plant	01	20 KLD
Total Plant Area	1.98 Acres		
Power Demand	0.1 MW (Source: WB State Electricity Board) 100 kVA DG set to be maintained as an emergency alternative source		
Water Demand	16 KLD Source: Bore Well		
Waste water generation	The waste water generated from floor washing, vehicle washing and scrubbing will be treated through ETP of capacity 20 KLD and domestic waste water disposed through soak pit. The entire waste water shall be reused for plantation and maintaining the green area.		
Air pollution control system	The incinerator shall be provided with dry scrubbing system and having a minimum stack height of 30 m from GL.		
Manpower	40 persons		
Total Cost of the project.	Approx Rs. 6 Crores		

Chronology of the event:

- The project proponent (PP) applied in prescribed format for Terms of Reference and uploaded the application in the PARIVESH portal on 29.01.2022.
- A site inspection was conducted on 16.07.2021 by the regional office of the WBPCB. Inspection report given in **Annexure – 2**. The inspection report reveals that the proposed site meets the locational criteria of CPCB Guidelines, 2016. It is to be mentioned that the district of Murshidabad does not have any CBWTF at present.
- The PP had obtained Terms of References (TORs) issued by SEIAA, West Bengal vide their Memo no. 236/EN/T-II-1/058/2021 dated 16.02.2022.
- Public hearing was conducted on 10.08.2022 by WBPCB.

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- The PP applied for EC in prescribed format and uploaded final EIA report in the PARIVESH portal on 16.11.2022.
- The PP was called for the EC presentation in the 58th SEAC meeting held on 14.12.2022 and the PP presented their proposal in this meeting.

SEAC observation and recommendations:

- Based on the submission and presentation made by the PP, the committee recommended that the following submission / clarifications should be uploaded in the PARIVESH portal by the project proponent for further consideration: -
 1. Page No. 208 in the EIA report mentions the number of Autoclave as 02. However, in page No. 37 of the EIA report the number of Autoclave mentioned as 01. Reason for the discrepancy to be provided.
 2. In page no. 196 of the EIA report, the greenbelt area is given as 0.80 acre (40% of the land area). However, in the layout plan the greenbelt area is given as 4645.78 sqm. (58%). Reason for the discrepancy to be provided.
 3. A planting plan drawn to 1:100 scale along-with schedule of proposed trees to be submitted.
 4. Revised layout plan signed by the PP and the consultant should be submitted.
 5. The salient features of the project as given in the EIA report and the slide No. 15 shown in the presentation mentions that the waste water will be used for scrubbing although dry scrubbing technology has been provided for the incinerator. Reason for the discrepancy to be provided.
 6. Permission for ground water abstraction.
 7. A time bound progressive green belt development plan should be submitted and followed indicating quantitative coverage, plant species, spacing and time frame. A schematic planting prescription for an area of one Ha. is annexed as **Annexure – 3**.
 8. Indicative water quality at inlet and outlet of ETP.
 9. The ETP flow diagram does not provide facilities for disinfection of the treated waste water or sludge. Revised documents in this regard should be submitted.
 10. In slide no. 15 of presentation, the incinerator ash is shown being disposed in landfill. However, as per CPCB norms, the incinerator ash should be sent to the TSDF site. Necessary explanation in this regard should be provided.
 11. The water balance diagram shows a storage tank of 3000 KL and the water will be reused for plantation and maintaining the green area. The water balance should also include the figures for monsoon season. Revised water balance diagram should be submitted. Floor and car washing can be done by treated wastewater.
 12. Revised EMP should be submitted as per Office Memorandum of MoEF & CC vide F. No. 22-65/2017.IA.III dated 30.09.2020.

All the documents should be duly signed by the project proponent and environmental consultant.

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The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through "PARIVESH" portal.

E. Proposed Pataner Chatt Sand Block at Mouza – Pataner Chatt, JL No. 61, Plot No. 14, 15, 5, 8, 16, PS – Matigara, Dist – Darjeeling, West Bengal.

Proposal No. SIA/WB/MIN/408759/2022
Project Proponent - M/s. Shivalaya Enterprises (Sanjay Kr. Singh)
Environmental Consultant - Not engaged

Activity:

- This is a proposal for Pataner Chatt Sand Block (Area – 1.52 Ha. or 3.754 acres) of capacity 15200 Cu.M of sand and Stone on river Balason, at Mouza – Pataner Chatt, JL No. 61, Plot No. 14, 15, 5, 8, 16, PS – Matigara, Dist – Darjeeling, West Bengal.

Salient Features

- Salient features of the proposed project as uploaded in the PARIVESH portal may be summed up as below –

Lease area	1.52 Ha.
Capacity	Sand - 4864 Cu.M (Depth : 171748 CFt.) and Stone – 7296 Cu.M (Depth : 257622 CFt.)
Total Water requirement	1 KLD
Total Population	14 people directly and 10 – 15 people indirectly
Latitude & Longitude of site	26°44' 34.0" N, 88°19'56.4" E 26°44' 30.9" N, 88°19'53.7" E 26°44' 24.8" N, 88°20'02.7" E 26°44' 27.9" N, 88°20'05.9" E 26°44' 29.0" N, 88°19'59.8" E (Centre)
Project cost (Rs.)	Rs.6,00,000 for 5 years
Validity of LOI	Extension of LOI on 18.11.2022 (Valid till 60 days after disposal of EC)
Validity of Mine Plan	Mine Plan issued on 28.12.2017 (Valid for 5 years from the date of lease deed execution)

Chronology of the event:

- The PP applied in prescribed format for Environmental Clearance and uploaded the application in the PARIVESH portal on 30.11.2022.
- The PP was called for the EC presentation in the 58th SEAC meeting held on 14.12.2022.

SEAC observation and recommendations:

- The PP was absent for their EC presentation. The SEAC decided that the PP should submit reasons for their absence on consideration of which they may be allowed to present their case in a subsequent meeting. The PP along with the NABET accredited consultant should appear for the presentation.

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2) Consideration of Terms of Reference (Extension / Amendment / Corrigendum)

A. Validity extension of Environmental Clearance for the proposed Integrated Industrial Township at Fatapukur, JL No. 9, Mouza – Chhat Gujrimari, JL No. 10, Mouza – Kismat Sukani, PS – Raiganj, Dist – Jalpaiguri, West Bengal.

Proposal No.	SIA/WB/MIS/294798/2022
Project Proponent -	M/s. Kanchan Janga Integrated Infrastructure Development Private Limited
Environmental Consultant -	Not engaged

Activity:

- The PP had obtained Environmental Clearance (EC) for the proposed Integrated Industrial Township vide no. 3006/EN/T-II-1/077/2011 dated 02.12.2014 issued by SEIAA.
- The PP applied in PARIVESH Portal on 01.12.2022 for extension of validity period of EC which was placed before the SEAC in 58th meeting held on 14.12.2022.

SEAC observation and recommendations:

- SEAC considered the proposal submitted by the PP. After careful consideration and detailed deliberation, it was decided that the validity of EC may be extended up to **01.12.2024** as per the provisions of Notification vide No. S.O. 751(E) dated 17.02.2020 issued by MoEF&CC.

3) Reconsideration cases

3.1) Environmental Clearance

3.1.1) Construction Sector

A. Proposed expansion of Polymer Grade Product at Plot No. F2/1, Vidyasagar Industrial Park, Kharagpur, West Medinipur, PIN – 721 303, West Bengal.

Proposal No. SIA/WB/IND3/69003/2021
Project Proponent - M/s. Sika India Private Limited.
Environmental Consultant - M/s. ERM India Pvt. Ltd.

Activity:

- This is a proposal for an expansion of polymer grade products.

Salient Features

- Salient features of the proposed project as uploaded in the PARIVESH portal may be summed up as below –

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Features	Details	
	Concrete Admixture and Power Products unit	Proposed PCE Unit
Project	Expansion of polymer grade products.	
Location	Vidyasagar Industrial Park, Paschim Medinipur district, West Bengal.	
Capacity	1,40,000 MT/Annum	25,000 MT/Annum
Total land	20370.28 sqm. (approx. 5 acres) industrial land	
Land for PCE unit	337.81 sqm. within the existing site / industrial shed	
Greenbelt	2198.33 sqm. (11% of the total plant area) approved by DFO, Kharagpur division (vide letter no. 987(1)13-38(A)2022 dated 08.07.2022)	
Power	<ul style="list-style-type: none"> • Demand load – 800 KW • Connected load – 1000 KW • Back up DG set – 250 KVA 	<ul style="list-style-type: none"> • Demand load – 300 KW • Back up DG set – 250 KVA
Source of power	WBIDC	
Water	125 KLD (Industrial – 115 KLD, Domestic – 5 KLD, Gardening – 5 KLD)	13 KLD (Industrial)
Source of water	Ground water, SWID permission taken for 125 KLD	
Fuel	2 KL	
Storage facility	2 KL	
Source of fuel	Nearby Petrol Pump	
Manpower	75 persons	No additional manpower required
Waste water	<ul style="list-style-type: none"> • Effluent – 3.1 KLD (effluent will be treated through the ETP of capacity 5 KLD) • Sewage – 4.0 KLD (sewage will be treated through the STP of capacity 5 KLD) 	No effluent generate from the process
Recycle of waste water	Treated water will be utilized in plantation	
Air emission	<ul style="list-style-type: none"> • Powder plant • Powder plant sand dryer unit • Admixture plant • Backup DG set 	<ul style="list-style-type: none"> • Batch blender • Backup DG set
Emission control measures	All stacks will be provided with appropriate air pollution control system (Dust collector/ cyclone separator/wet scrubber)	
Hazardous waste	--	130 MT per annum hazardous waste will be handled and disposed as per the HMC Rule. 2016
Project cost	Rs.70 crores	Rs.7.5 crores

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Chronology of the event:

- The PP applied in prescribed format for Terms of Reference and uploaded the application in the PARIVESH portal on 26.11.2021.
- SEIAA issued Auto ToR for the project on 22.12.2021.
- The PP applied in prescribed format for Environmental Clearance and uploaded the EIA report in the PARIVESH portal on 23.07.2022.
- The matter was taken up by the SEAC in its 49th meeting held on 24.08.2022 where the PP presented their case.
- Based on the submission and presentation made by the project proponent, the committee noted that the PP had applied under 'expansion' category though they do not have EC for the concrete admixture plant. Therefore, the EIA report should have been prepared taking into consideration both the concrete admixture products and powder products plant along with the proposed Polycarboxylate Ether Plant, the product of which will serve as a raw material for the concrete admixture plant. The SEAC recommended that the following submission / clarifications should be uploaded in the "PARIVESH" portal by the PP for further consideration -
 - 1) Ground water permission from the competent authority for the total water required.
 - 2) Salient features of the project (both admixture and PCE) in a tabular form. Water, power, etc should be indicated for the whole plant, not only for PCE unit.
 - 3) DFO approved plantation plan for at least 33% of total project land area.
 - 4) Complete Area Statement along with percentage of the total land area adding upto 100%.
 - 5) Detailed flow diagram of the ETP including chemical, biological and tertiary treatment. Since acrylic acid, acrylates and some other chemicals are not biodegradable, adequacy of bio aeration process should be technically justified. If not found adequate, the process should be appended with some suitable process. ETP inlet and outlet water should be analysed regularly.
 - 6) Flow sheet showing the entire process (for both the processes) from raw material to the finished products.
 - 7) Storage area for the hazardous waste should be demarcated and care should be taken so that wash water from this area does not mix or spread.
 - 8) Measures taken for rainwater harvesting.
 - 9) Measures taken for control of emission including volatile organics. Chemical scrubbing may also be necessary.
 - 10) EMP should be submitted as per Office Memorandum of MoEF & CC vide F. No. 22-65/2017.IA.III dated 30.09.2020. Items like hand washing station, toilet facility with running water, school infrastructure including incinerator for used sanitary napkins in case of girls' schools, provision for sufficient service water supply and treatment of drinking water, training on environmental awareness including MSW segregation etc. in nearby schools to be considered. Needs of the locals should be identified and no social component of the EMP should overlap with the mandatory requirements. Year-wise break-up is required.

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- 11) A display board should be provided showing environmental parameters and beneficiary of the social part of the EMP.
- 12) Sl. No. 5 of the application form should be corrected.
- 13) Detailed report to be submitted regarding treatment of raw water. In all points, water meter with totalizer should be provided.
- 14) Height of ambient air quality monitoring stations.
- 15) Status of the present construction of the project along with the compliance of the conditions of the Consent to Establish issued by WBPCB vide Memo No. 63-ni-nc-0/19/0489 dated 18.09.2019.
- 16) Wildlife conservation plan should be made and authenticated from competent authority.

The PP is also requested to deposit one time processing fee as per Notification No 924/T-II-1/021/2022 dated 23.05.2022 issued by Dept. of Environment, GoWB and upload the paid challan in the PARIVESH Portal. Notification and details can be accessed in the link <http://environmentwb.gov.in/pdf/Notification>.

- The PP uploaded their reply in PARIVESH Portal on 29.11.2022, which was considered in the 58th meeting held on 14.12.2022.

SEAC observation and recommendations:

- The SEAC scrutinized the documents submitted by the project proponent in the meeting and after careful consideration of the reply, the committee observed that the project proponent has not submitted any satisfactory documents/reply/clarifications. It was decided that the project proponent should submit proper documents providing at least 33% of the land area with the project as greenbelt.

All the documents should be duly signed by the project proponent and environmental consultant.

The SEAC will further consider the case only on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

B. Proposed Berada Quartz Mine project (Area – 1.092 Ha.) at Plot No. 2860, 2855(P), 2857, 2858, JL No. 104, Mouza – Berada, Block – Barabazar, Dist – Purulia, West Bengal.

Proposal No.	SIA/WB/MIN/187407/2020
Project proponent -	M/s. Kalkons
Environmental Consultant	M/s. RSP Green Development and Laboratories Pvt. Ltd.

Activity:

- This is a proposal for Berada Quartz Mine project (Area – 1.092 Ha.) project of capacity 19403.54 MT/year at Plot No.2860, 2855(P), 2857, 2858, JL No. 104, Mouza – Berada, Block – Barabazar, Dist – Purulia, West Bengal.

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Salient Features :

- Salient features of the proposed project as uploaded in the PARIVESH portal may be summed up as below –
 - i. This is proposal for Environmental Clearance for Berada Quartz Mine project having proposed lease area of 2.70 acres or 1.092 Ha. at 2860, 2855(P), 2857, 2858, JL No. 104, Mouza – Berada, Block & PS – Barabazar, Dist – Purulia, West Bengal. Latitude - 22°59'54.515"N to 22°59'58.825"N, Longitude - 86°14'38.605"E to 86°14'37.391"E.
 - ii. As per LOI the proposed area of mining was 2.13 Acres (0.862 Hectare). Subsequently, an area of 0.57 Acre (0.230 Hectare) adjacent to the above-mentioned area was also considered by the District Magistrate and Collector, Purulia for mining associated activities and its inclusion in the mining lease. Thus, total project area comes to 2.70 Acres (1.092 Hectare). However, extraction of mineral will be limited within the said area of 2.13 Acres (0.862 Hectare).
 - iii. A total resource upto 10 mtr. below ground level (excluding 1.0 mtr OB) is being estimated as 159646.76 MT.
 - iv. Mining plan for the project was approved by the Chief Mining Officer, Govt. of West Bengal, under vide Memo No. 272/CMO dated 13.10.2020.

Chronology of the event:

The SEAC recommended Environmental Clearance for the proposed project in the 18th reconstituted SEAC meeting held on 28.07.2021 and forwarded the proposal to SEIAA on 09.08.2021. The SEIAA considered the proposal in their 33rd meeting held on 09.09.2021 and refer back the proposal to SEAC for reappraisal on the basis of the points mentioned below: -

- i. The Letter of Intent issued by Govt. of West Bengal vide Memo No. VI/1557(1)/3026/M/2017 dated 20.07.2018 specifies the said project under 'Minor Minerals' category. As per the MoE&CC Notification no. S.O.141(E) dated 15.01.2016 'District Survey Report (DSR) shall form the basis for application of Environmental Clearance, preparation of reports and appraisal of projects'. No DSR has been submitted along with the application.
- ii. The project proponent has mentioned that they would provide 0.070 Ha. (around 6.41% of the total lease area) as plantation area. However, as per recommendation of SEAC on green belt 'the project proponent shall develop greenbelt in 7.5 mt. wide safety zone all along the mine lease boundary as per the guidelines of CPCB in order to arrest pollution emanating from mining operations within the lease. The development of greenbelt shall be governed as per the EC granted by the Ministry irrespective of the stipulation made in approved mine plan'.
- iii. The greenbelt area percentage will be 30-33% of the total lease area as committed by the project proponent vide their letter vide no. RSP/ADMIN/20-21/035 dated 06.08.2021.

The letter of SEIAA vide No.1579/EN/T-II-1/049/2021 dated 10.09.2021 was considered in the 22nd reconstituted SEAC meeting held on 07.10.2021 and the committee recommended that the project proponent should submit detailed reply to the above-mentioned queries.

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- The project proponent had submitted reply on 30.10.2021 in PARIVESH Portal, which was considered in the 24th reconstituted SEAC meeting held on 17.11.2021.
- The SEAC observed that the DSR has already been uploaded in Purulia District portal. The SEAC also considered the reply submitted by the project proponent along-with the queries raised by SEIAA and decided that the project proponent shall submit the following documents:-
 - 1) A comprehensive conservation plan to be prepared in consultation with the Dept. of Forests, if the project area is within movement corridor/occasionally visited by any Schedule 1 animal as per Wildlife Protection Act, 1972. A relevant certificate has to be procured from DFO, Purulia to affirm or negate the point for submission.
 - 2) Detailed plantation plan mentioning the type of trees, name of species, numbers and spacing to be submitted.
 - 3) Clarification regarding plot no. as mentioned in DSR uploaded in Purulia District Portal for the proposed project is not matching with the same as given in EC application.
- The project proponent had submitted reply on 18.02.2022 in PARIVESH Portal, which was considered by the SEAC in the 33rd meeting held on 23.02.2022. The SEAC scrutinized the documents submitted by the project proponent in the meeting and after careful consideration of the reply, the committee observed that the project proponent has not submitted any satisfactory documents/reply/clarifications.
- Regards to Point No. 2, it is observed that the tree spacing has not been provided. Also, the survival rate of the plantation is estimated around 15% which is very poor.

A time bound progressive green belt development plan may be prepared and followed indicating quantitative coverage, plant species, spacing and time frame.
- Clarification with regards to Point No. 3 has not been provided.
- Hence it was decided that the project proponent should submit the proper and specific reply to the queries for further consideration of their proposal as per the approved DSR.
- The project proponent had submitted reply on 10.03.2022 in PARIVESH Portal, which was considered in the 35th SEAC meeting held on 16.03.2022. SEAC noted that the reply submitted by the project proponent is not at all satisfactory. No approved DSR uploaded. Therefore, the project proponent is directed to upload satisfactory reply to the queries mentioned above in the PARIVESH Portal.
- The project proponent has once again uploaded their reply in PARIVESH Portal on 30.06.2022 and the same was considered in the 46th SEAC meeting held on 20.07.2022.
- The SEAC scrutinized the documents submitted by the project proponent in the meeting and after careful consideration and detailed deliberation the committee observed that no DSR for the district of Purulia is available. Also, the plantation plan submitted by the project proponent needs to be modified. Therefore, the project proponent is directed to upload proper documents to the queries mentioned in the PARIVESH Portal.
- The PP had submitted reply on 16.09.2022 in PARIVESH Portal, which was considered in the 56th meeting held on 16.11.2022.

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- The SEAC scrutinized the documents submitted by the project proponent in the meeting and observed that the District Survey Report for Purulia district is not yet uploaded in the website of Dept of IC&E and District portal. Therefore, the project can only be considered after uploading of the above document.
- The PP uploaded their reply in PARIVESH Portal on 06.12.2022, which was considered in the 58th meeting held on 14.12.2022.

SEAC Observations and Recommendations:

- The SEAC scrutinized the documents submitted by the project proponent in the meeting and after careful consideration and detailed deliberation the committee **recommended the proposed project for Environmental Clearance** with the following additional conditions :-
 - a) Stringent dust suppression measure at source and noise mitigation during drilling/blasting to be adopted for health protection of workers.
 - b) A comprehensive conservation plan to be prepared in consultation with the Dept. of Forests, if the project area is movement corridor of any Schedule 1 animal as per Wildlife Protection Act.

4) Miscellaneous:-

A) Finalization of Standard EC conditions for sand mining.

The SEAC discussed on the issue and decided that the finalization of EC conditions for sand mining will be done in the subsequent meeting.

Table-1 : List of the projects which were placed before the reconstituted SEAC in the fifty-eighth meeting held on 14.12.2022 and the Summary Decisions thereof:

Sl. No.	Name of the unit & Project address	Summary Decision
1) Cases for Technical Presentation		
1.1) Environmental Clearance		
1.1.1) Construction Sector		
A.	M/s. RDB Anekant ORBIT Properties Pvt. Ltd. Proposed Residential cum Commercial Complex "IT/ITES and Residential Building" at Action Area – 2F, Premises No. 03-0370, Registered as Plot No. AA-IIF/5, Dist – North 24 Parganas, West Bengal. (Proposal No. SIA/WB/INFRA2/407812/2022).	Recommended for Environmental Clearance
B.	M/s. Rituraj Construction LLP. Proposed Residential Complex 'Sampurna' at Holding No. – 76F/1, B. T. Road, Panihati Municipality Ward No. 6, Mouza – Agarpara, JL No 11, Dag No. 1074, 1075, 1079, 1081, 1082, 1086, 1087, 1088, 1089, PS – Khardah, Dist – North 24 Parganas, West Bengal. (Proposal No. SIA/WB/INFRA2/407084/2022)	Additional Details Sought

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Sl. No.	Name of the unit & Project address	Summary Decision
1.1.2) Industry Sector		
C.	M/s. Koove Organic Chemicals Private Limited. Proposed manufacturing of Butadiene based Synthetic Lattices facility of capacity 84,148 MT per annum at Plot No. 13/14, West Medinipur Division, Kharagpur Industrial Park, Nimpura, PO – Rakhajungle, Dist – Paschim Medinipur, PIN – 721301, West Bengal. (Proposal No. SIA/WB/IND3/408543/2022)	Additional Details Sought
D.	M/s. SNG Envirosolutions Pvt. Ltd. Proposed Common Bio-Medical Waste Treatment Facility (CBWTF) at Mouza - Arazi Balarambati, P.S. – Sagardighi, Dist. – Murshidabad, West Bengal. (Proposal No. SIA/WB/INFRA2/403670/2022)	Additional Details Sought
E.	M/s. Shivalaya Enterprises (Sanjay Kr. Singh). Proposed Pataner Chatt Sand Block at Mouza – Pataner Chatt, JL No. 61, Plot No. 14, 15, 5, 8, 16, PS – Matigara, Dist – Darjeeling, West Bengal. (Proposal No. SIA/WB/MIN/408759/2022)	Absent
2) Consideration of Environmental Clearance (Extension / Amendment / Corrigendum)		
A.	M/s. Kanchan Janga Integrated Infrastructure Development Private Limited Validity extension of Environmental Clearance for the proposed Integrated Industrial Township at Fatapukur, JL No. 9, Mouza – Chhat Gujrimari, JL No. 10, Mouza – Kismat Sukani, PS – Raniganj, Dist – Jalpaiguri, West Bengal. (Proposal No. SIA/WB/MIS/294798/2022)	Recommended validity extension of EC
3) Cases placed for reconsideration		
3.1) Environmental Clearance		
3.1.1) Industry Sector		
A.	M/s. Sika India Private Limited. Proposed expansion of Polymer Grade Product at Plot No. F2/1, Vidyasagar Industrial Park, Kharagpur, West Medinipur, PIN – 721 303, West Bengal. (Proposal No. SIA/WB/IND3/69003/2021)	Additional Details Sought
B.	M/s. Kalkons. Proposed Berada Quartz Mine project (Area – 1.092 Ha.) at Plot No. 2860, 2855(P), 2857, 2858, JL No. 104, Mouza – Berada, Block – Barabazar, Dist. – Purulia, West Bengal. (Proposal No. SIA/WB/MIN/187407/2020)	Recommended for Environmental Clearance
4) Miscellaneous		
A.	Finalization of Standard EC conditions for sand mining.	To be finalised in subsequent meeting

The meeting ended with a vote of thanks to and from the Chair.

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Sd/-

(Dr. Ashit Kumar Mukherjee)
Chairman
State Expert Appraisal Committee, West Bengal

Sd/-

(Dr. Nilangshu Bhusan Basu)
Member
State Expert Appraisal Committee, West Bengal

Sd/-

(Dr. Pradip Kumar Sikdar)
Member
State Expert Appraisal Committee, West Bengal

Sd/-

(Prof. (Dr.) Aniruddha Mukhopadhyay)
Member
State Expert Appraisal Committee, West Bengal

Sd/-

(Prof. (Dr.) Anirban Gupta)
Member
State Expert Appraisal Committee, West Bengal

Sd/-

(Prof. (Dr.) Sampa Chakrabarti)
Member
State Expert Appraisal Committee, West Bengal

Sd/-

(Shri Subhendu Bandyopadhyay)
Member
State Expert Appraisal Committee, West Bengal

Sd/-

(Prof. (Dr.) Suchandra Bardhan)
Member
State Expert Appraisal Committee, West Bengal

Sd/-

(Dr. Rajesh Kumar, IPS)
Secretary
State Expert Appraisal Committee, West Bengal

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Annexure – 1

Objectives:

1. To create greeneries where there was no tree cover
2. To increase soil quality and organic carbon levels into soil
3. To fight climate concerns and increase carbon capture
4. To buffer noise and dust

Prescription for a model plantation per Ha:

Items of works	Nos/rmt	Time
A) ADVANCE SOIL WORKS		
1. Digging cattle proof trenches of size 90+60/2*45*45 in cms along periphery	850	Feb-March
2. Digging short trenches of size 45+30/2*30*30 in cms along the contour/across the slope at a spacing of 5.0 mtr	2000	Feb-March
3. Digging pits of size 45+30/2*45*45 in cms at a spacing of 2.5mtr	1500 nos	Feb-March
B) Planting Operations		
1) Filling up short trenches with dug up earth	2000	May
2) Sowing seeds of Babla seeds on the berm of Cattle proof trenches	850	JUNE
3) Sowing seeds of Akashmoni seeds and Napier grass seeds over the alternate filled up short trenches	2000	June
4) Collection of seedlings from a nursery including carriage from nursery Akashmoni 1000 Chhatiwan..... 400 Mahul..... 200 Neem.....200 Segun..... 100 Tamarind..... 100	2000	June
5) Collection of dry cow dung manure or compost manure including pulverizing and mixing with dug up earth of pits and filling up the pits	1500	June
6) Planting the seedlings in the pits by making a crowbar hole after removal of poly pots/hycopots, at the onset of rains	1500	June-August
7) In filling vacancies by beating up casualties	300	August
8) 1st Mulching with Fertiliser N.P.K(10:26:26) around the seedlings after a fortnight from the date of planting	1500	Aug-Sept
9) 2nd Mulching around the plant	1500	Sept -Oct
10) 3rd Mulching around the plant	1500	Dec-Jan next
11) Watch and ward	1500	July -March next
Maintenance 1st year		
(1) Watch and ward	1500	To be continued for the next five Year
(2) In filling vacancies with onset of rains including collection of seedlings	200	July next

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(3) Mulching 1 st around the seedlings	1500	Aug next
(4) Mulching 2 nd around the seedlings	1500	Oct next
Maintenance 2nd year		
(1) Watch and ward	1500	To be continued for next to next five year
(2) Mulching 1 st around the seedlings	1500	Sept
Maintenance 3rd year		
1) Watch and ward	1500	For the entire 3 rd year of planting

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Annexure – 2

Inspection Report

Inspection Report/ Site Inspection

Name & Address of the proposed unit	M/s. SNG Envirosolutions Pvt. Ltd. Mouza: Araz Balarambati, PO: Kharu, PS:Sagardighi, Murshidabad-742237.
Name of the inspecting officer	S. Barua, AEE & I/c & S. Saren, AEE
Date of inspection	16/07/2021
Electricity supply Authority	WBSEDCL
Name of the local body	Monigram GP
Person meet during inspection	Mr. Indranil Bhattacharjee (Manager of the unit)
EC/ CFE/ CFO status	Not applicable at present
Reference of inspection	As per direction of Mr. D. Sarkar, SEE HO.

About the unit:

The proposed unit is a Common Bio-Medical Waste Treatment Plant cum Disposal Facility and will install 02 nos. HSD fired Incinerator of capacity 250kg/ hr; noise and vibration free 01 no. Shredder, 01 no. Autoclave and a 20 KLD capacity ETP as reported.


Observation:

The site in question of the proposed unit adjacent of a PWD road is a vacant agricultural land and the area of the said proposed site is near about 6 bighas, as stated. No boundary wall, as well as construction activity of the proposed unit was observed. M/s UltraTech Cement plant was located on the Northern side and about 05 km away from it, on the Eastern side, M/s Sagardighi Thermal Project was there and about 500m away from the said proposed site. Both the Western and Southern side, were found vacant with agricultural activity. No residential area or habitations were noticed within about 0.5km surrounding by the proposed site.

Photographs of the four side of the said unit are attached herewith for ready reference.

Remarks:

1. Unit should construct boundary wall along its periphery.
2. Unit should not mix with other waste with Bio-Med. Waste.
3. Unit should not store Bio-Med. Waste more than 48 hrs to avoid obnoxious smell.
4. Unit should take necessary measure so that liquid generate from waste should not contaminate with underground water.


Signature of the inspecting officer


Signature of the inspecting officer

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Annexure – 3

A planting prescription for this particular CBWTF for removal of gaseous pollutants etc.

Objectives:

1. To create a stratified greenbelt which would serve as an effective sink for gaseous pollutants and a sieve for suspended particulate materials.
2. To buffer noise and heat
3. Trees also absorb odours and act as a filter as little particulates get trapped in leaves.
4. Fallen tree leaves lower reduce soil temperature and prevent soil from losing too much moisture. Decaying leaves that fall onto the ground turn into nutrients for tree growth and promote microorganism development.
5. Strategically planting trees around this unit can have tremendous benefits on the environment.

Total area of this CNWTF is 1.43 acres, 33% of which will be required for green belt development i.e. 0.4719 acres or 0.1910 ha or say 0.2 ha

On considering 2500 nos. of trees per ha, this CBWTF area will require 500 trees for raising greeneries around the unit.

Specie to be used for erection of a stratified green belt :

Scope	Name of the tree to be planted	Botanical Name	Utility	No of trees
Along periphery	Jamun	Sizygium cumini	Effective in absorbing sulphur di oxide	30
Along periphery	Tentul	Tamarindus indica	Capable of cleaning dust from the atmosphere	30
Along periphery	Teak	Tectona grandis	Can absorb SPM from the atmosphere	40
Middle row	Neem	Azadirachta indicca	Air purifier can remove lead from the atmosphere	100
Middle row	Kanchan	Bauhinia variegata	Can effectively remove lead from the atmosphere	100
Middle row	Palash	Butea monosperma	Can effectively remove dust from the atmosphere	50
Middle row	Silver oak	Grevillea robusta	Can effectively remove dust from the atmosphere	50
Front row	Ashok	Saraca indica	Effective sink of CO ₂ and other gaseous pollutants	70
Front row	Firebrush	Hamelia patens	Effective sink of CO ₂ and other gaseous pollutants	30

Top canopy plants along periphery.....100 nos

Middle storey plant.....300 nos

Lower strata plants.....100 nos

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Prescription for a model plantation:

Items of works	Nos/rmt	Time
A)ADVANCE SOIL WORKS		
1 Digging big pits of size 60+45/2*45*45 in cms along the periphery at a spacing of 3.0 mtr	100	Feb-March
2. Digging small pits of size 45+30/2*45*45 in cms at a spacing of 2.0mtr	400	Feb-March
B) Planting Operations		
1) Sowing seeds of Akashmoni seeds	500 rmt	June
2) Collection of dry cow dung manure or compost manure including pulverizing and mixing with dug up earth of pits and filling up the pits	500 nos	June
3) Planting the seedlings in the pits by making a crowbar hole after removal of poly pots/hycopots ,at the onset of rains including collection and carriage of the seedlings from the nursery	500	June-August
4) In filling vacancies by beating up casualties	100	August
5) 1 st Mulching with Fertilizer N.P.K(10:26:26) around the seedlings after a fortnight from the date of planting	500	Aug-Sept
6) 2 nd Mulching around the plant	500	Sept -Oct
7) 3 rd Mulching around the plant	500	Dec-Jan next
8) Watch and ward	500	July -March next
Maintenance 1st year		
1) Watch and ward	500	To be continued for the next fin. Year
2) In filling vacancies with onset of rains including collection of seedlings	200	July next
3) Mulching 1 st around the seedlings	500	Aug next
4) Mulching 2 nd around the seedlings	500	Oct next
Maintenance 2nd year		
1) Watch and ward	500	To be continued for next to next five year
2) Mulching 1 st around the seedlings	500	Sept
Maintenance 3rd year		
1) Watch and ward	500	For the entire 3 rd year of planting