

**Minutes of the 4<sup>th</sup> meeting of the State Level Expert Appraisal Committee, West Bengal (2023-2026) held on June 21, 2023 at 14:00 hr at the Conference Room, Paribesh Bhawan, Bidhannagar.**

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The 4<sup>th</sup> meeting of the State Level Expert Appraisal Committee (SEAC), West Bengal (2023-2026) was held on Wednesday the 21<sup>st</sup> June 2023 at 14:00 hr at the Conference Room, Paribesh Bhawan, Bidhannagar. The following members participated:

1)	Dr. Rajesh Kumar, IPS	Secretary, SEAC	Present
2)	Prof. (Dr.) Anirban Gupta	Chairman, SEAC	Present through VC
3)	Prof. (Dr.) Sampa Chakrabarti	Member, SEAC	Present
4)	Prof. (Dr.) Pradip Kumar Sikdar	Member, SEAC	Present
5)	Prof. (Dr.) Aniruddha Mukhopadhyay	Member, SEAC	Present
6)	Prof. (Dr.) Indranath Sinha	Member, SEAC	Present
7)	Shri Shubhendu Bandyopadhyay	Member, SEAC	Present

## **1) TECHNICAL PRESENTATIONS**

### **1.1) For Terms of Reference**

#### **1.1.1) Construction Sector**

- I. **Proposed Residential cum Commercial Complex of “Maa Poornagiri Estate and Others” at R.S. Plot No. – 757, 758, 904, L. R. Plot No. – 1558, 1559, 1567, 1568, R.S. Khatian No. – 2/15, 2/16, 2/19, 35/3, L.R. Khatian No. – 10970, 10972, 10973, 10974, 10976, 10977, 10978, 11002, 10028, J.L. No. – 71, Mouza – Baramohan Singh, Porgana – Pathargatha, Atharakhai Gram Panchayat, P.S. – Matigara, District – Darjeeling, Pin – 734011, West Bengal. (Violation Category).**

**Proposal No.:** SIA/WB/INFRA2/430920/2023  
**Project Proponent:** M/s. N B Developers.  
**Environmental Consultant:** M/s. Ultra-Tech.

#### ***Activity:***

- This is a proposal for G+VI storied commercial Building (wing 1), G+VII storied Residential Building (wing 2), B+G+VII storied Residential Buildings (wing 3 to wing 8) comprising of total built up area of 31945.82 sqm on a land of 8667.30 sqm (as per site). Total no. of flats are 245 nos.

#### ***Salient Features of the Project:***

- Salient features of the proposed project as uploaded in the PARIVESH portal by the PP is given below –

Total Land Area (as per deed)	8781.64 sqm.
Total Land Area (as per physical measurement)	8667.30 sqm. (100%)
Ground Coverage Area	4117.04 sqm. (47.50 % of land area)
Service Area	59.85 sqm. (0.69 % of land area)

Paved Area	2686.08 sqm. (30.99 % of land area)
Exclusive Tree plantation area	1733.91 sqm. (20.01% of Land Area)
Open Parking Area	70.42 (0.81% of Land Area)
<b>Total Built up Area</b>	<b>31945.82 sqm.</b>
No. of Blocks	Wing 1 - G+VI storied commercial Building Wing 2 - G+VII storied residential Building Wing 3 to Wing 8 - B+G+VII storied Residential buildings
No. of Flats	245 Nos.
Source of Water	Ground Water
Total Water requirement	210 kLD
Wastewater Generation	153 kLD
Treated Wastewater Recycled	56 kLD
Treated Wastewater Discharge	97 kLD
Fresh Water requirement	154 kLD
Solid Waste Generation and discharge	725 Kg / Day
Constructional Phase Water Demand	21 kLD (18 kLD for workers and 3 kLD for construction work)
Total Population During Construction	258 Nos.
Total Population During Operation	1901 Nos. (Fixed Person - 1334, Floating Person - 554, service Person -13)
Electricity Load	1083 kW or 1274 kVA, Source: WBSEDCL
D.G. Sets for Back Up power	1 no. of 650 kVA
Car Parking required	133 Nos.
Car Parking provided	141 Nos.
Total no. of trees	142 Nos.
Latitude and Longitude of site	26°41'52.18"N and 88°22'17.52"E
Height of the building	25.45 m
Total project cost (Rs.)	Rs. 5463 lakhs.

#### ***Chronology of the Events:***

- The PP applied in prescribed format for Terms of Reference under violation category for the project and uploaded the application in the PARIVESH portal on 26.05.2023.
- The PP was called for the ToR presentation in the 4<sup>th</sup> meeting of SEAC, WB held on 21.07.2023 and the PP presented their proposal in this meeting.

#### ***SEAC Observations and Recommendations:***

- Based on the applications made, documents uploaded / submitted, and the presentations made by the PP/Consultant the SEAC, therefore, made the following **observations/ additional conditions** based on the presentation of the PP:

#### **Legal documents**

- 1) Notary Affidavit as per the enclosed format given in **Annexure – 1**.
- 2) Damage Assessment Plan.

- 3) Remedial Plan.
- 4) Community Augmentation Plan.
- 5) Development Agreement.
- 6) Power of Attorney.
- 7) Authenticated documents for the total project cost and cost incurred till submission of the EC application along with EIA/EMP.
- 8) Total cost of the project as well as turn over till the date of submission of EC application to be certified by Chartered Accountant.
- 9) All mandatory documents i.e. Building Permit, NOC from WBF and ES, AAI Clearance etc. to be uploaded in the PARIVESH portal.
- 10) Concurrence for storm water discharge, waste water discharge, solid waste disposal and other services from the Competent Authority.
- 11) Present status of construction of the project clearly showing the violation portion with photographs.

**Land and land use**

- 12) Land summary record of the project showing the status of mutation and conversion of all the dag nos. falling within the plot area. Mouza map showing all the dag nos.
- 13) While submitting the land use plan within the project area, the details (exact width) of underground service lines including fire, electrical, sewerage and drainage should be depicted with a different colour in order to assess that the area required for exclusive tree plantation does not overlap with these underground service lines. The plan should be certified by the project architect.
- 14) All sanctioned drawings, including individual floor plans and sections as mentioned in the Notification issued by SEIAA vide No. 2495/EN-T-II/011/2018 dated 17.12.2019.

**Water and wastewater**

- 15) SWID permission for the entire quantity of water supply for the project.
- 16) Detailed hydrogeological study for ground water within 10 km radius of the project area including groundwater resource availability vis a vis groundwater abstraction for the project.
- 17) A report on subsurface lithology and a report on the impact of basement on shallow groundwater flow to be submitted.
- 18) Piezometer to be installed for continuous monitoring of the groundwater level. The litholog of the design of the piezometer to be submitted.
- 19) Litholog and design of existing tubewell to be submitted.
- 20) Smart flowmeters (including totaliser) for raw, treated, recycled and discharged wastewater should be installed and the recorded values should be submitted with half-yearly compliance reports. Smart flow meters with totalisers at the freshwater inlet should also be installed. Plan in this regard to be submitted.
- 21) Sensor based water quality management system at inlet, recycle and discharge of wastewater/ treated wastewater from STP with digital data.
- 22) Groundwater treatment plan, if any.

**Rainwater harvesting and recharge**

- 23) The recharge wells should be installed at staggered depths in medium to coarse sand layers. The subsurface lithology and design of each well should be submitted.

Regular monitoring and reporting (with periodical compliance reports) of the groundwater level by constructing a piezometer is necessary.

- 24) No recharge pit should be under the parking area. Recharge pits, located in the green area, should be raised so that no chemicals can percolate. Use of chemicals should be avoided around the recharge points.

**Need based activity/social part of EMP**

- 25) EMP as per Office Memorandum of MoEF & CC vide F. No. 22-65/2017.IA.III dated 30.09.2020 to be submitted. 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. Computer literacy training for the local youth may also be considered. Evidence of collecting data on the need of the locality should be submitted.
- 26) Consents from the beneficiaries of the social part of EMP should be furnished. Any other local need should be identified.

**Plantation plan/greenbelt/Biodiversity**

- 27) A plantation plan to the scale of 1:100 duly approved by the DFO is required to be submitted as per subsection (1) read with subsection (4) of section (9) of WB Trees (Protection and Conservation in Non-Forest Areas) Act, 2006.

**Solar PV/ microclimate**

- 28) Detailed plan of solar power plant including PV array should be submitted.
- 29) Solar smart meter for recording generation.
- 30) Following studies along with energy conservation measures should be provided:
- a) Microclimate (sunshine and shadow analysis and its effect on energy consumption).
  - b) Air circulation (effect on natural ventilation and wind speed).
  - c) Day lighting (how dependence on artificial lighting during daytime is affected).

**Solid waste**

- 31) Proposal for organic waste composter.

**Air pollution and control**

- 32) Ambient air quality monitoring station. Mist cannon to be provided for dust control in the locality.
- 33) Ambient noise quality monitoring station.

**Parking area:**

- 34) Charging stations for e-vehicles as per norm.

The proponent, – while applying for environmental clearance, shall upload in the PARIVESH portal, the EIA/EMP report along with the documents/ sought above. All the documents should be duly signed by the project proponent and the environmental consultant.

**Recommendation: Terms of Reference under violation category** with the above additional conditions along with standard ToR to be complied with during Environmental Clearance application.

## 1.2) For Environmental Clearance

### 1.2.1) Construction Sector

#### II. **Proposed Residential Complex of “Quintessa” at Premises No – 223C, Satin Sen Sarani (Manicktala Main Road), KMC Ward No-30, Borough-III, Manicktala, Kolkata-700054, West Bengal.**

**Proposal No.:** SIA/WB/INFRA2/427884/2023  
**Project Proponent:** M/s. Shree Krishna Realcon.  
**Environmental Consultant:** M/s. Ultra-Tech.

#### **Activity**

- This is a proposal for Residential Complex comprising of 2 Tower having the building configuration of G+XVI over the land of 5,849.628 sqm (as per ULC) and 5,791.04 Sqm (as per physical measurement). Total built-up area of the project 28807.770 sq.m. Total No. of flats 80 nos.

#### **Salient Features of the Project-**

- Salient features of the proposed project as uploaded in the PARIVESH portal by the PP is given below –

Land area (As per (as per ULC)	5,849.628 sqm.
Land area (As per physical measurement)	5,791.04 sqm. (100%)
Proposed Ground Coverage	2234.29 sqm (38.58% of land area)
Additional Ground Coverage	23.02 sqm (0.40% of land area)
Service Area	164.14 sqm (2.84% of land area)
Soft Paved Area	754.19 sqm (13.02% of land area)
Total Hard Paved Area	1422.38 sqm (24.56% of land area)
Exclusive Tree plantation area	1193.02 sqm (20.60% of Land Area)
No. of Blocks	Up to G+4 common after that 2 towers consisting of 12 floors (5 <sup>th</sup> -16 <sup>th</sup> )
No. of Flats	80 nos.
<b>Proposed Total Built up Area</b>	<b>28807.770 sqm.</b>
Total Population During Operation	Residential- 539, Service & Floating - 94, Commercial and Club - 327 persons Total population – 960 persons
Total Population During Construction	150 persons
Total Water required	125 kLD
Quantity of Wastewater Generation	84 kLD
Quantity of Wastewater Discharge	31 kLD
Treated Wastewater Recycled	52 kLD
Fresh Water requirement	73 kLD (KMC supply)
Solid Waste Generation	Total - 285 kg/day

	(Biodegradable – 114 kg/day and Non-biodegradable - 171 kg/day)
Constructional phase Water Demand	130 kLD (Construction work – 20 kLD, Workers – 110 kLD)
Total Power Requirement	Electricity (Connected Load)- 1186 KW Source: CESE (Calcutta Electric Supply Corporation)
D.G. Sets for Back Up power	1x400 KVA (Commercial) 1x625 KVA (Residential)
Parking Required	197 nos.
No. of Parking Space Proposed	250 nos.
Total no. of trees	175 nos. of tree to be planted (existing trees are 41, out of that 35 numbers of trees to be cut and 6 numbers of trees to be retain)
Total project cost (Rs.)	Rs. 60,00,00,000/-

#### ***Chronology of the Events:***

- The PP applied in prescribed format for Environmental Clearance for the project and uploaded the application in the PARIVESH portal on 04.05.2023.
- The PP was called for the ToR presentation in the 4<sup>th</sup> meeting of SEAC, WB (2023-2026) held on 21.06.2023 and the PP presented their proposal in this meeting.

#### ***SEAC Observations and Recommendations:***

**SEAC** made the following **observations / additional conditions** based on the presentation of the PP:

#### **Water and wastewater:**

- 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.
- Treatment of inlet water, if any, should be provided.
- Sensor based water quality management system. Data for inlet and discharge water quality of STP should be recorded.
- Piezometer should be installed to continuously monitor the groundwater level. The lithological log of the piezometer should be submitted with compliance reports.
- The depth of the recharge wells may have to be increased based on the subsurface lithology. The recharge wells should be installed at staggered depths in medium to coarse sand layers. The subsurface lithology and design of each well should be submitted with compliance reports.

#### **Air-pollution control:**

- Ambient air quality monitoring station. Water sprinkling and dry fogging should be done within the project site to control particulate emission. Height of the air-sampling point should be as per CPCB norms.
- Ambient noise quality monitoring station.

**Social part of EMP:**

- The PP will work along with WBPCB and KMC for need-based activities.

**Land use:**

- Type of showroom to be specified to assess the nature of environmental impact. Break-up of area for commercial and residential to be clearly indicated.
- Treatment of water for the swimming pool in the club house to be provided.

**Greenbelt:**

- There are many existing trees in the site. Of them, 35 trees may be cut. SEAC suggests relocation/ compensatory plantation as per rules. The species cut should be replaced by the particular species.

**Recommendation:** **Environmental Clearance (EC) may be granted** to the proposed project/ activity with the conditions mentioned hereinabove as the additional EC conditions to be complied with. Compliance of these conditions may be reported in the compliance reports to be submitted.

**1.2.2) Industry Sector**

- I. **Proposed establishment of Common Bio-Medical Waste Treatment Facility (CBWTF) at Village - Kaluabari, P.O. - Debithakurbari, P.S. - Rajganj, Mouza - Chhatgujrimari, Pargana - Baikunthapur, Dist. - Jalpaiguri, West Bengal.**

**Proposal No.:** SIA/WB/INFRA2/431778/2023  
**Project Proponent:** M/s. Unique Universal Bio Waste LLP.  
**Environmental Consultant:** M/s. Gaurang Environmental Solutions Pvt. Ltd.

**Activity:**

- This is a proposal for Common Bio-Medical Waste Treatment Facility (CBWTF) at Village - Kaluabari, P.O. - Debithakurbari, P.S. - Rajganj, Mouza - Chhatgujrimari, Pargana - Baikunthapur, Dist. - Jalpaiguri, West Bengal.

**Salient Features of the Project**

- Salient features of the proposed project as per the EIA report as uploaded in the PARIVESH portal by the PP is given below.

Land Area	11452.6 sqm. or 2.83 Acres		
Plant capacity	Particulars	Capacity	Numbers
	Plasma Pyrolysis Capacity	250 Kg/Hr	1+1 (Standby)
	Shredder capacity	500 Kg/hr	1
	Autoclave capacity	1500 Liters	1+1 (Standby)
	ETP	10 KLD	1
Power requirement and Source	Total Electricity load – 65KW Energy requirement – 1300kVA Source- West Bengal State Electricity Distribution Corporation Limited. DG Set for standby- 125 KVA Fuel – HSD		
Water Requirement	The water consumption will be 15.4 KLD. Daily fresh water		

	demands 9.9 KLD which will be sourced from Ground water and 5.5 KLD water will be recycled after treatment			
Source of Water	Water demand will be met through bore well.			
Manpower	Construction Phase – 30 Operation Phase - 50			
Waste water generation	Utility	Water Required	Waste Water Generation	Management
	Domestic	2.4	2.0	5.5 KLD recycled /re-used
	Floor washing	2.0	1.5	Sent to ETP and treated water of 5.5 KLD recycled /re-used
	Plasma Pyrolysis	2.0	1.8	
	Workshop/vehicle washing	2.0	1.8	
	Autoclave	4	1	
	Greenbelt	3	--	--
	<b>Total</b>	<b>15.4</b>	<b>8.1</b>	
Solid /Hazardous waste generation	Type		Quantity	Treatment/ disposal
	<b>Solid waste</b>			
	Organic	5.25 Kg/day	Municipal bin including food waste	
	Inorganic	2.25 Kg/day	WBPCB authorized recyclers	
	<b>Hazardous waste</b>			
	Discarded containers/ barrels / liners contaminated with hazardous wastes / chemicals, if any	1.0 TPA	Through authorized recyclers	
	DG Waste oil/Spent oil	0.5 KL/A	Authorized recyclers	
	ETP Sludge	198 TPA	TSDF	
	Ash	66 TPA	TSDF	
Project Cost (Rs.)	Rs. 4.9 Crores.			

**Chronology of the Events:**

- The PP applied in prescribed format for Terms of Reference for the project and uploaded the application in the PARIVESH portal on 22.11.2022 (Proposal No. SIA/WB/INFRA2/407378/2022).
- The PP obtained Terms of Reference issued by SEIAA vide File No. EN/T-II-1/086/2022 dated 23.12.2022.
- Public Hearing of the project was conducted by WBPCB on 10.04.2023.
- The PP applied for EC in prescribed format and uploaded final EIA report in the PARIVESH portal on 08.06.2023.



- The project site was inspected on 19.06.2023 by WBPCB (report of inspection is enclosed as **Annexure – 2**).
- The PP was called for the EC presentation in the 4<sup>th</sup> meeting of SEAC, WB (2023-2026) held on 21.06.2023 and the PP presented their proposal in this meeting.

**SEAC Observations and Recommendations:**

- Based on the presentation and submission made by the PP, the committee observed that the project will install Plasma Pyrolysis which is the latest technology for incineration of BMW waste. Also, three stage venturi scrubbing is proposed for emission control. It is noted that at present there is only one operative CBWTF in North Bengal and therefore other facilities are required to cater to the bio-medical waste generated. The project site was inspected by the WBPCB on 19.06.2023, wherein it was observed that the project location complies with the guidelines of CPCB.
  - Hence, the committee accepted the final proposal of the project and **recommended the proposed project for grant of Environmental Clearance** with the following additional conditions:-
    1. Clearance from Dept. of Health & Family Welfare, GoWB as applicable to be obtained.
    2. Piezometer should be installed to continuously monitor the groundwater level. The lithological log of the piezometer should be submitted with compliance reports.
    3. Water quality shall be monitored at all points of abstraction/ inlet and discharge.
- II. Proposed expansion of Single Super Phosphate Plant at JL No. 86, Mouza: - Dewanmaro Ayma, P.O. - Hariatara, P.S. - Kharagpur (Local), Dist. - Paschim Medinipur, West Bengal.**

**Proposal No.:** SIA/WB/IND3/404103/2022  
**Project Proponent:** M/s. Sai Fertilizers Ltd.  
**Environmental Consultant:** M/s. Global Tech Enviro Experts Pvt. Ltd.

**Activity:**

- This is a proposal for expansion of Single Super Phosphate (SSP) fertilizer Plant from 0.132 MTPA to 0.264 MTPA.

**Salient Features of the Project**

- Salient features of the proposed project as uploaded in the PARIVESH portal by the PP is given below.

Land Area	8.5 ha (21 Acres)
Greenbelt area	2.80ha i.e. 33%
Latitude & Longitude	22018'34.09 "N to 22019'34.33"N and 87014'34.11 "E to 87015'39.43 "E
Project details	expansion of its existing production capacity from 0.132 MTPA to 0.264 MTPA of Single Super Phosphate (SSP) fertilizer

	Product	Existing capacity in MTPA	Proposed capacity in MTPA	Final capacity in MTPA
Plant capacity	Single Super Phosphate	0.132	0.132	0.264
	Granulated SSP/ NPK Physical Mixture	0.132	Nil	0.132
Power requirement and Source	1.0 MW, from WB state power grid			
Water Requirement	80 kL from bore well & Rain water harvesting			
Manpower	Existing 118, total 140 man power			
Project Cost (Rs.)	167 lakhs (expansion project)			

**Chronology of the Events:**

- Presently the project is running on Consent to Establish vide no. 9620-2N-342/2004 dated 09.12.2004 & Consent to Operate vide letter No-9252-1947/WPB(HRO)-K/07 dated 26.04.2022 which is valid up to 31.03.2027.
- The PP applied in prescribed format for Terms of Reference for the project and uploaded the application in the PARIVESH portal on 02.07.2020 (Proposal No. SIA/WB/IND2/49987/2020).
- The PP obtained Terms of Reference issued by SEIAA vide File No. EN/T-II-1/014/2020 dated 21.07.2020.
- Public Hearing was conducted on 01.04.2022 by WBPCB.
- The PP applied for EC in prescribed format and uploaded final EIA report in the PARIVESH portal on 15.05.2023.
- The PP was called for the EC presentation in the 4<sup>th</sup> meeting of SEAC, WB (2023-2026) held on 21.06.2023.

**SEAC Observations and Recommendations:**

- The PP did not appear before the SEAC for EC presentation. The SEAC decided that the PP should explain the reasons for its absence. If the reasons are found to be acceptable and satisfactory, the PP may be allowed to present its case in a subsequent meeting along with the NABET accredited consultant engaged by it.

**III. Proposed 24 TPA Green Field Ambrettolide Manufacturing at Dankuni Industrial Complex, Chanditala – Serampore Road Opposite of MBW & Bhagardhar, Dankuni - 712702, West Bengal.**

**Proposal No.:**

**SIA/WB/IND3/410038/2022**

**Project Proponent:**

**M/s. Saraogi Shellac Overseas Corp.**

**Environmental Consultant:**

**M/s. Envirotech East Pvt. Ltd.**

**Activity:**

- This is a proposal for manufacturing of some specialty chemicals [Polyamine based Chemical, Acrylic Polymer, Acrylic Emulsion] along with some disinfectants within the same existing premises located in Vill & P.O. - Sugandha, Tehsil - Polba Dadpur, Hooghly, West Bengal 712 102.

**Salient Features of the project:**

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

Location of the Site	Dankuni Industrial Complex of District Hooghly, at Chanditala-Serampore Road. Opp. of MBW & Bhagardhar, Dankuni - 712702, West Bengal.		
Project Name	Proposed 24 TPA Ambrettolide Synthesis Plant for production of pure Ambrettolide along with other byproducts from Aleuritic Acid as starting material.		
Latitude & Longitude:	22°41'39.08"N to 22°41'41.06"N and 88°15'9.85"E to 88°15'12.45"E		
Land Area	The proposed plant will be installed on the available vacant land of 0.54 acres (2240.82 sqm) in Dankuni Industrial Complex of District Hooghly.		
Area breakup of the Project Site	<b>Particulars</b>	<b>Area (Sqm)</b>	<b>% Percentage</b>
	Shed	485.43	21.66%
	2 <sup>nd</sup> Shed	337.36	15.06%
	TMOF and Acetic Anhydride Ware House	83.52	3.73%
	Office Lab & other utilities	153.00	6.83%
	Plant Road	319.78	14.27%
	Green Belt	739.47	33.00%
	Open Land	78.98	3.52%
	Rain Water Harvesting	43.28	1.93%
	<b>Total Land Area</b>	<b>2240.82</b>	<b>100%</b>
Greenbelt Development	0.183 Acre/0. Plant Road Hectare of land. 33.00% of the total land area		
Raw Material Requirement for the Proposed Project	<b>Sl. No.</b>	<b>Raw Material</b>	<b>Quantity (Kg per Annum)</b>
	1)	Aleuritic Acid	43200
	2)	TMOF	38400
	3)	Acetic Anhydride	25200
	4)	Glycerin	51000
	5)	Monoethylene Glycol	3880
	6)	Potassium Hydroxide	912
	7)	Industrial Solvent	3840
	8)	Sodium methoxide	996
Manpower	Manpower, to the extent 12 personnel will be required during construction which will be temporary in nature and 10 personnel during operation		
Total Water Requirement	Water requirement for steam generation in boiler is 1 Kilo litre initially followed by make up of 100 litre per month. The above water will be supplied by near by Bislery company. Water for domestic purpose (i.e., 200 ltrs/day) will be met from borewell water. An application has been submitted to the local panchayat for sanction of creating one borewell inside the plant premise. Source: Bislery company & one borewell inside the plant		

Power requirement	Power Requirement for the project will be 125 KVA. Source: The Power requirement of 125 KVA will be met from the supply of WBSEDCL. Two number of DG set units having 160 KVA capacity each will be installed as a standby source of power.
Effluent generation & disposal	<ul style="list-style-type: none"> <li>The proposed plant is small and will be configured for the production of 24 TPA production of Ambrettolide. The plant proposes to adopt Zero Liquid Discharge (ZLD).</li> <li>All industrial processing wastes (by products) will be sold to the local market and no residual waste will be disposed outside. All types of distillates will be sold in the local market.</li> <li>Domestic waste water generated from office, toilets, &amp; canteen will be treated in septic tank followed by soak pit system.</li> </ul>
Air pollution control	<ul style="list-style-type: none"> <li>Diesel will be burnt to heat the TF Oil on regular basis (everyday) &amp; to generate steam in an interval of 15 days in two separate boilers. There will be little emission from the burning of fuel and the same is discharged through a common duct to a stack of appropriate height. The steam is required only once in a span of 15 days.</li> <li>No chances of any chemical spillage/discharge of chemicals into the environment is expected as all recovered distillates will be collected in closed containers and sold to the market. → It is a small factory which will handle small quantity of both raw materials and finished goods. So emissions will be insignificant.</li> </ul>
Solid Waste generation and Disposal	<ul style="list-style-type: none"> <li>No chances of generation of solid waste (from processing units) is expected as the recovered gummy sludge will be collected in closed containers and sold to the local market.</li> <li>There will be no solid waste (hazardous waste) generated in the plant which will be discharged for disposal.</li> <li>Sewage sludge will be disposed to the local Municipality</li> </ul>
Project Cost	Approx. Rs. 4,45,00,000/-

### ***Chronology of the Events:***

- The PP applied in prescribed format for Terms of Reference and uploaded the application in the PARIVESH portal on 23.06.2021 (Proposal No. SIA/WB/IND2/61329/2021).
- The PP had obtained Terms of References (TORs) issued by SEIAA, West Bengal vide No. 238/EN/T-II-1/062/2021 dated 16.02.2022.
- Public hearing was conducted on 31.08.2022 by WBPCB.
- The PP applied for EC in prescribed format and uploaded final EIA report in the PARIVESH portal on 22.03.2023.
- The PP was called for the EC presentation in the 74<sup>th</sup> SEAC meeting held on 12.04.2023 and the PP presented their proposal in this meeting.
- The PP did not appear before the SEAC for EC presentation. The SEAC decided that the PP should explain the reasons for his absence based on which the PP may be allowed to present his case in a subsequent meeting. On being so allowed the PP may appear for the presentation along with the NABET accredited consultant engaged by him.

- The PP submitted a letter in the PARIVESH Portal on 19.05.2023 requesting the SEAC for their EC presentation before the committee. The matter was considered by the Committee in 2<sup>nd</sup> meeting SEAC, WB held on 07.06.2023.
- The SEAC considered the reply of the PP submitted in the PARIVESH Portal on 19.05.2023 and recommended that the PP should called for a presentation in the subsequent SEAC meeting.
- The PP was called for EC presentation in the 4<sup>th</sup> meeting of SEAC, WB (2023-2026) held on 21.06.2023 and the PP presented their proposal in this meeting.

**SEAC Observations and Recommendations:**

- The SEAC, therefore, made the following **observations/ additional conditions** based on the presentation of the PP:

**Raw materials and products**

1. MSDS for raw materials and products.
2. Explosive permission for acetic anhydride should be provided

**Water**

3. Proper SWID permission for groundwater abstraction.

**Wastewater**

4. Provision of a suitable ETP should be kept for yard wash/ stormwater runoff. Details of such ETP should be provided.

**Pollution due to diesel generator**

5. Use and storage of diesel should be properly done to avoid pollution.

**Need-based activities**

6. Need based activities under EMP as per Office Memorandum of MoEF & CC vide F. No. 22-65/2017.IA.III dated 30.09.2020 to be submitted. Consents from the beneficiaries are needed.

PP should work with WBPCB in this regard. Year-wise break-up for such activities to be provided. Expenditure for need-based activities should commensurate with the total project cost.

**Recommendation:** The SEAC recommended that the above documents may be submitted in the PARIVESH portal for further consideration of the application.

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

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

**1.2.3) Mining of Minerals:**

1. **Proposed Chhatna Sand Mine (MIN\_BNK\_DRK\_B\_7) over an area of (4.04 ha/ 9.98 Acres) on the Dwarakeswar River at JL No. – 177, Plot No. – 718, Mouza – Chhopania, P.S. – Chhatna, Dist. – Bankura, West Bengal.**

**Proposal No.:** SIA/WB/MIN/432157/2023  
**Project Proponent:** M/s. West Bengal Mineral Development and Trading Corporation Limited.  
**Environmental Consultant:** M/s. Indian Mine Planners and Consultants.

**Activity:**

- This is a proposal for Chhatna Sand Mine (MIN\_BNK\_DRK\_B\_7) over an area of 4.04 ha (9.98 Acres) on the Dwarakeswar River at JL No. – 177, Plot No. – 718, Mouza – Chhopania, P.S. – Chhatna, Dist. – Bankura, West Bengal.
- The PP has obtained Provisional Grant Order for Sand Blocks vide Memo No. 187-ICE-12011(99)/27/2022-MINES SEC-Dept of ICE Dated 17.03.2023.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan' prepared for proposed sand Mine at the site by an RQP. The Plan has been approved by the State Government on 31.05.2023 and the approved plan has been uploaded at the PARIVESH portal by the PP.
- The production details as mentioned in the Mining Plan is given below :-

YEAR	TOTAL AREA GR (ha)	THICKNESS(m)	REPLENISHMENT RATE (%)	GEOLOGICAL RESOURCE (cum)
1	4.04	2.50	100%	101000
2	4.04	1.955	78.2%	78982
3	4.04	1.955	78.2%	78982
4	4.04	1.955	78.2%	78982
5	4.04	1.955	78.2%	78982
<b>TOTAL GEOLOGICAL RESOURCE (Cu.M)</b>				<b>416928.0</b>

Leaving aside the safety berms and barriers, and taking into account the rate of replenishment, the mineable reserves are estimated as below.

YEAR	TOTAL AREA (ha)	THICKNESS (m)	REPLENISHMENT RATE (%)	MINEABLE RESERVE (Cum)
1	2.9735	2.50	100%	74337.5
2	2.9735	1.955	78.2%	58131.925
3	2.9735	1.955	78.2%	58131.925
4	2.9735	1.955	78.2%	58131.925
5	2.9735	1.955	78.2%	58131.925
<b>TOTAL MINEABLE RESERVE (Cu.M)</b>				<b>306865.2</b>

- The PP has uploaded the pre-feasibility report for the proposed project.
- The PP has uploaded non-cluster certificate from the competent authority.
- The PP has informed that there is no court case pending against the project.

- The PP has submitted an undertaking regarding need based EMP.
- The PP has submitted the requisite EC processing fees as required under Notification No 924/T-II-1/021/2022 dated 23.05.2022 issued by Department of Environment, Government of West Bengal.

### ***Chronology of Events***

- The PP applied in prescribed format for Environmental Clearance and uploaded the application in the PARIVESH portal on 12.06.2023.
- The PP was called for the Environmental Clearance presentation in the 4<sup>th</sup> meeting of SEAC, WB (2023-2026) held on 21.06.2023 and the PP presented their proposal in this meeting.

### ***SEAC Observations and Recommendations***

- **The sand block does not form a cluster with any adjacent sand block.** Based on the submission and presentation made by the PP, the committee observed that the entire plot area for the proposed project as per the geo-coordinates mentioned in the approved Mining cum Progressive Mine Closure Plan **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Bankura district.
- The committee (SEAC), **recommended that Environmental Clearance (EC)** may be granted to the proposed project/ activity with the conditions mentioned below as the additional EC conditions to be complied with. Compliance of these conditions may be reported in the half-yearly EC compliance reports to be submitted:
  - a) Status of the need-based activities to be reported during six monthly progress report.
  - b) Basic amenities, safety and occupational health examinations for labourers to be provided.
  - c) To enhance success/ survival rate the plantation shall be attempted during the first two years of the project life and the plantation so done shall be taken care of during the rest of the project life. Species of the plant selected should be self-sustaining in that particular region.

## **2. Proposed Gangarampur Sand Mine (MIN\_DD\_27) over an area of 2.94 ha (7.26 acres) on the Punarbhava River at J. L. No. – 28, Plot No. 3499, Mouza – Kathalhat Hossenpur, PS – Gangarampur, District – Dakshin Dinajpur, West Bengal.**

<b>Proposal No.:</b>	<b>SIA/WB/MIN/431888/2023</b>
<b>Project Proponent:</b>	<b>M/s. West Bengal Mineral Development and Trading Corporation Limited.</b>
<b>Environmental Consultant:</b>	<b>M/s. Crystal Consultants.</b>

### ***Activity:***

- This is a proposal for Gangarampur Sand Mine (MIN\_DD\_27) over an area of 2.94 ha (7.26 acres) on the Punarbhava River at J. L. No. – 28, Plot No. 3499, Mouza – Kathalhat Hossenpur, PS – Gangarampur, District – Dakshin Dinajpur, West Bengal.
- The PP has obtained Provisional Grant Order for Sand Blocks vide Memo No. 261-ICE-12011(99)/27/2022-MINES Dated 20.04.2023.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan' prepared for proposed sand Mine at the site by an RQP. The

Plan has been approved by the State Government on 10.05.2023 and the approved plan has been uploaded at the PARIVESH portal by the PP.

- The production details as mentioned in the Mining Plan is given below :-

Year	Total volume of the area (Cum)	Replenishment Rate (%)	Geological Resource (Cum)
1	58,800	100	58,800
2	58,800	74.53	43,823.64
3	58,800	74.53	43,823.64
4	58,800	74.53	43,823.64
5	58,800	74.53	43,823.64
<b>Total Geological Resource (Cum)</b>			<b>2,34,094.56</b>

Leaving aside the safety berms and barriers, and taking into account the rate of replenishment, the mineable reserves are estimated as below.

Year	Total volume inside 7.5m Berm after maintaining 45° slope (Cum)	Replenishment Rate (%)	Mineable Reserve (Cum)	Annual Production (Cum)
1	45,072	100	45,072	45,072
2	45,072	74.53	33,592.1616	33,592.1616
3	45,072	74.53	33,592.1616	33,592.1616
4	45,072	74.53	33,592.1616	33,592.1616
5	45,072	74.53	33,592.1616	33,592.1616
<b>Total Mineable Reserve (Cum)</b>			<b>1,79,440.6464</b>	<b>1,79,440.6464</b>

- The PP **has not uploaded the pre-feasibility report for the proposed project.**
- The PP has uploaded non-cluster certificate from the competent authority.
- The PP has submitted an undertaking regarding need based EMP.
- The PP has informed that there is no court case pending against the project.
- The PP has submitted the requisite EC processing fees as required under Notification No 924/T-II-1/021/2022 dated 23.05.2022 issued by Department of Environment, Government of West Bengal.

#### ***Chronology of Events:***

- The PP applied in prescribed format for Environmental Clearance and uploaded the application in the PARIVESH portal on 01.06.2023.
- The PP was called for the Environmental Clearance presentation in the 4<sup>th</sup> meeting of SEAC, WB (2023-2026) held on 21.06.2023 and the PP presented their proposal in this meeting.

#### ***SEAC Observations and Recommendations:***

- The sand block does not form a cluster with any adjacent sand block.** Based on the submission and presentation made by the PP, the committee observed that the entire plot area for the proposed project as per the geo-coordinates mentioned in the approved



Mining cum Progressive Mine Closure Plan **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Dakshin Dinajpur district.

- Based on the presentation and submission made by the PP, the committee after careful consideration and detailed deliberation observed that the PP has not uploaded the Pre-Feasibility Report (PFR) of the project which is a mandatory document. Therefore, the PP is requested to submit the PFR in the PARIVESH portal.

#### **Recommendation(s)**

- The SEAC recommended that the above documents should be submitted in the PARIVESH portal for further consideration of the application.
- All the documents should be duly signed both by the project proponent and the environmental consultant.**
- The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through “PARIVESH” portal.

### **3. Proposed Gangarampur Sand Mine (MIN\_DD\_25) over an area of 3.62 ha (8.94 Acres) on the Punarbhava River at J. L. No. – 35 & 84, Plot No. 1757, 1758, 1785 and 2501, Mouza – Debipur & Rajibpur, PS – Gangarampur, District – Dakshin Dinajpur, West Bengal.**

**Proposal No.:** SIA/WB/MIN/431500/2023  
**Project Proponent:** M/s. West Bengal Mineral Development and Trading Corporation Limited.  
**Environmental Consultant:** M/s. Crystal Consultants.

#### **Activities:**

- This is a proposal for Gangarampur Sand Mine (MIN\_DD\_25) over an area of 3.62 ha (8.94 Acres) on the Punarbhava River at J. L. No. – 35 & 84, Plot No. 1757, 1758, 1785 and 2501, Mouza – Debipur & Rajibpur, PS – Gangarampur, District – Dakshin Dinajpur, West Bengal.
- The PP has obtained Provisional Grant Order for Sand Blocks vide Memo No. 261-ICE-12011(99)/27/2022-MINES Dated 20.04.2023.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite ‘Mining Plan’ prepared for proposed sand Mine at the site by an RQP. The Plan has been approved by the State Government on 10.05.2023 and the approved plan has been uploaded at the PARIVESH portal by the PP.
- The production details as mentioned in the Mining Plan is given below :-

Year	Total volume of the area (Cum)	Replenishment Rate (%)	Geological Resource (Cum)
1.	72,400	100	72,400
2.	72,400	74.53	53,959.72
3.	72,400	74.53	53,959.72
4.	72,400	74.53	53,959.72
5.	72,400	74.53	53,959.72
<b>Total Geological Resource (Cum)</b>			<b>2,88,238.88</b>

Leaving aside the safety berms and barriers, and taking into account the rate of replenishment, the mineable reserves are estimated as below.

Year	Total volume inside 7.5m Berm after maintaining 45° slope (Cum)	Replenishment Rate (%)	Mineable Reserve (Cum)	Annual Production (Cum)
1.	59,180	100	59,180	59,180
2.	59,180	74.53	44,106.854	44,106.854
3.	59,180	74.53	44,106.854	44,106.854
4.	59,180	74.53	44,106.854	44,106.854
5.	59,180	74.53	44,106.854	44,106.854
<b>Total Mineable Reserve (Cum)</b>			<b>2,35,607.416</b>	<b>2,35,607.416</b>

- The PP has uploaded the pre-feasibility report for the proposed project.
- The PP has uploaded non-cluster certificate from the competent authority.
- The PP has submitted an undertaking regarding need based EMP.
- The PP has informed that there is no court case pending against the project.
- The PP has submitted the requisite EC processing fees as required under Notification No 924/T-II-1/021/2022 dated 23.05.2022 issued by Department of Environment, Government of West Bengal.

#### ***Chronology of Events***

- The PP applied in prescribed format for Environmental Clearance and uploaded the application in the PARIVESH portal on 30.05.2023.
- The PP was called for the Environmental Clearance presentation in the 4<sup>th</sup> meeting of SEAC, WB (2023-2026) held on 21.06.2023 and the PP presented their proposal in this meeting.

#### ***SEAC Observations and Recommendations***

- **The sand block does not form a cluster with any adjacent sand block.** Based on the submission and presentation made by the PP, the committee observed that the entire plot area for the proposed project as per the geo-coordinates mentioned in the approved Mining cum Progressive Mine Closure Plan **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Dakshin Dinajpur district.
- The committee (SEAC), **recommended that Environmental Clearance (EC)** may be granted to the proposed project/ activity with the conditions mentioned below as the additional EC conditions to be complied with. Compliance of these conditions may be reported in the half-yearly EC compliance reports to be submitted:
  - a) Status of the need-based activities to be reported during six monthly progress report.
  - b) Basic amenities, safety and occupational health examinations for labourers to be provided.
  - c) To enhance success/ survival rate the plantation shall be attempted during the first two years of the project life and the plantation so done shall be taken care of during

the rest of the project life. Species of the plant selected should be self-sustaining in that particular region.

**4. Proposed Tikul Sand Mine (MIN\_DD\_22) over an area of 0.55 ha (1.35 Acres) on the Tangaon River at J. L. No. – 222, Plot No. 1 & 154, Mouza – Tikul, PS – Banshihari, District – Dakshin Dinajpur, West Bengal.**

**Proposal No.:** SIA/WB/MIN/431303/2023  
**Project Proponent:** M/s. West Bengal Mineral Development and Trading Corporation Limited.  
**Environmental Consultant:** M/s. Crystal Consultants.

**Activities:**

- This is a proposal for Tikul Sand Mine (MIN\_DD\_22) over an area of 0.55 ha (1.35 Acres) on the Tangaon River at J. L. No. – 222, Plot No. 1 & 154, Mouza – Tikul, PS – Banshihari, District – Dakshin Dinajpur, West Bengal.
- The PP has obtained Provisional Grant Order for Sand Blocks vide Memo No. 04(I/301012/2022)-ICE-12011(99)/27/2022-MINES SEC-Dept of ICE Dated 03.01.2023.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan' prepared for proposed sand Mine at the site by an RQP. The Plan has been approved by the State Government on 24.04.2023 and the approved plan has been uploaded at the PARIVESH portal by the PP.
- The production details as mentioned in the Mining Plan is given below :-

Year	Total volume of the area (Cum)	Replenishment Rate (%)	Geological Resource (Cum)
1.	13,750	100	13,750
2.	13,750	75.17	10,335.875
3.	13,750	75.17	10,335.875
4.	13,750	75.17	10,335.875
5.	13,750	75.17	10,335.875
<b>Total Geological Resource (Cum)</b>			<b>55,093.50</b>

Leaving aside the safety berms and barriers, and taking into account the rate of replenishment, the mineable reserves are estimated as below.

Year	Total volume inside 7.5m Berm after maintaining 45° slope (Cum)	Replenishment Rate (%)	Mineable Reserve (Cum)	Annual Production (Cum)
1.	6,440	100	6,440	6,440
2.	6,440	75.17	4,840.948	4,840.948
3.	6,440	75.17	4,840.948	4,840.948
4.	6,440	75.17	4,840.948	4,840.948
5.	6,440	75.17	4,840.948	4,840.948
<b>Total Mineable Reserve (Cum)</b>			<b>25,803.792</b>	<b>25,803.792</b>

- The PP has uploaded the pre-feasibility report for the proposed project.

- The PP has uploaded non-cluster certificate from the competent authority.
- The PP has submitted an undertaking regarding need based EMP.
- The PP has informed that there is no court case pending against the project.
- The PP has submitted the requisite EC processing fees as required under Notification No 924/T-II-1/021/2022 dated 23.05.2022 issued by Department of Environment, Government of West Bengal.

***Chronology of the Events:***

- The PP applied in prescribed format for Environmental Clearance and uploaded the application in the PARIVESH portal on 29.05.2023.
- The PP was called for the Environmental Clearance presentation in the 4<sup>th</sup> meeting of SEAC, WB (2023-2026) held on 21.06.2023 and the PP presented their proposal in this meeting.

***SEAC Observations and Recommendations:***

- **The sand block does not form a cluster with any adjacent sand block.** Based on the submission and presentation made by the PP, the committee observed that the entire plot area for the proposed project as per the geo-coordinates mentioned in the approved Mining cum Progressive Mine Closure Plan **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Dakshin Dinajpur district.
- The committee (SEAC), **recommended that Environmental Clearance (EC)** may be granted to the proposed project/ activity with the conditions mentioned below as the additional EC conditions to be complied with. Compliance of these conditions may be reported in the half-yearly EC compliance reports to be submitted.
  - a) Status of the need-based activities to be reported during six monthly progress report.
  - b) Basic amenities, safety and occupational health examinations for labourers to be provided.
  - c) To enhance success/ survival rate the plantation shall be attempted during the first two years of the project life and the plantation so done shall be taken care of during the rest of the project life. Species of the plant selected should be self-sustaining in that particular region.

**5. Proposed Panchbhaiya Sand Mine MIN\_UD\_03 over an area of 1.27 ha (3.14 acres) on the Nagri River at Mouza – Panchbhaiya, JL No. 22, Plot No. 363(P), Block – Raiganj, Dist. – Uttar Dinajpur, West Bengal.**

<b>Proposal No.:</b>	<b>SIA/WB/MIN/427417/2023</b>
<b>Project Proponent:</b>	<b>M/s. West Bengal Mineral Development and Trading Corporation Limited.</b>
<b>Environmental Consultant:</b>	<b>M/s. Indian Mine Planners and Consultants.</b>

***Activities:***

- This is a proposal for Panchbhaiya Sand Mine MIN\_UD\_03 over an area of 1.27 ha (3.14 acres) on the Nagri River at Mouza – Panchbhaiya, JL No. 22, Plot No. 363(P), Block – Raiganj, Dist. – Uttar Dinajpur, West Bengal.

- The PP has obtained Provisional Grant Order for Sand Blocks vide Memo No. 187-ICE-12011(99)/27/2022-MINES SEC-Dept of ICE Dated 17.03.2023.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan' prepared for proposed sand Mine at the site by an RQP. The Plan has been approved by the State Government on 24.04.2023 and the approved plan has been uploaded at the PARIVESH portal by the PP.
- The production details as mentioned in the Mining Plan is given below :-

Year	Total Area (ha)	Thickness (m)	Replenishment Rate (%)	Geological Resource (Cum)
1.	1.27	1.50	100%	19,050
2.	1.27	1.11	74%	14,097
3.	1.27	1.11	74%	14,097
4.	1.27	1.11	74%	14,097
5.	1.27	1.11	74%	14,097
<b>Total Geological Resource (Cum)</b>				<b>75,438</b>

Leaving aside the safety berms and barriers, and taking into account the rate of replenishment, the mineable reserves are estimated as below:

Year	Total Area (ha)	Thickness (m)	Replenishment Rate (%)	Mineable Reserve (Cum)
1	0.9	1.50	100%	13,500
2	0.9	1.11	74%	9990
3	0.9	1.11	74%	9990
4	0.9	1.11	74%	9990
5	0.9	1.11	74%	9990
<b>Total Mineable Reserve (Cum)</b>				<b>53,460</b>

- The PP has uploaded the pre-feasibility report for the proposed project.
- The PP has uploaded non-cluster certificate from the competent authority.
- The PP has submitted an undertaking regarding need based EMP.
- The PP has informed that there is no court case pending against the project.
- The PP has submitted the requisite EC processing fees as required under Notification No 924/T-II-1/021/2022 dated 23.05.2022 issued by Department of Environment, Government of West Bengal.

### **Chronology of Events**

- The PP applied in prescribed format for Environmental Clearance and uploaded the application in the PARIVESH portal on 29.04.2023.
- The PP was called for the Environmental Clearance presentation in the 4<sup>th</sup> meeting of SEAC, WB (2023-2026) held on 21.06.2023 and the PP presented their proposal in this meeting.

**SEAC Observations and Recommendations**

- **The sand block does not form a cluster with any adjacent sand block.** Based on the submission and presentation made by the PP, the committee observed that the entire plot area for the proposed project as per the geo-coordinates mentioned in the approved Mining cum Progressive Mine Closure Plan **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Uttar Dinajpur district.
- The committee (SEAC), **recommended that Environmental Clearance (EC)** may be granted to the proposed project/ activity with the conditions mentioned below as the additional EC conditions to be complied with. Compliance of these conditions may be reported in the half-yearly EC compliance reports to be submitted.
  - a) Status of the need-based activities to be reported during six monthly progress report.
  - b) Basic amenities, safety and occupational health examinations for labourers to be provided.
  - c) To enhance success/ survival rate the plantation shall be attempted during the first two years of the project life and the plantation so done shall be taken care of during the rest of the project life. Species of the plant selected should be self-sustaining in that particular region.

**2) Reconsideration Proposals :-****2.1) Terms of Reference :****2.1.1) Mining of Minerals :**

- I. **Proposed Riverbed Sand Mining (MIN\_BNK\_52) over an area of 8.71 ha / 21.53 Acres on the Dwarakeswar River at JL No. - 42, Plot No. – 541(P), 1796(P), 1967(P), 1966(P), 1787(P), 1772, 1771, 1770, 1769, 1768, 1767, 1766, 1765, 1760(P), 1761(P), 1764(P), 1777, 1778, 1773, 1774, 1775, 1776, Mouza - Pantrai, P.S. - Indas, Block - Indas, District-Bankura, West Bengal.**

<b>Proposal No.</b>	<b>SIA/WB/MIN/424978/2023</b>
<b>Project Proponent -</b>	<b>M/s. West Bengal Mineral Development &amp; Trading Corporation Limited.</b>
<b>Environmental Consultant -</b>	<b>M/s. RSP Green Development &amp; Laboratories Pvt. Ltd.</b>

**Activities:**

- This is a proposal for riverbed sand mining of MIN\_BNK\_52 Sand Mine over an area of 8.71 ha / 21.53 Acres on the Dwarakeswar River at JL No. - 42, Plot No. – 541(P), 1796(P), 1967(P), 1966(P), 1787(P), 1772, 1771, 1770, 1769, 1768, 1767, 1766, 1765, 1760(P), 1761(P), 1764(P), 1777, 1778, 1773, 1774, 1775, 1776, Mouza - Pantrai, P.S. - Indas, Block - Indas, District-Bankura, West Bengal.
- The PP has obtained Provisional Grant Order for Sand Blocks vide Memo No. 689/ICE-12011(99)/68/2022-MINES Dated 30/11/2022.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan with Progressive Mine Closure Plan' for riverbed sand mining at the site prepared by an RQP. The Plan has been approved by the State Government on

21.03.2023 and the approved plan has been uploaded at the PARIVESH portal by the PP. It is mentioned in the Mining Plan that the total mineable sand reserve of 734784 m<sup>3</sup> of sand and geological reserve of 898897 m<sup>3</sup>.

- The PP has uploaded pre-feasibility report for the proposed project.
- The PP has uploaded cluster certificate from the competent authority.
- The PP has informed that there is no court case pending against the project.

***Chronology of the Events:***

- The PP applied in prescribed format for ToR and uploaded the application in the PARIVESH portal on 30.03.2023.
- The PP was called for the ToR presentation in the 75<sup>th</sup> SEAC meeting held on 19.04.2023.
- Based on the submission and presentation made by the PP, the SEAC observed that the plot area for the proposed project as per the geo-coordinates mentioned in the approved Mining Plan with Progressive Mine Closure Plan **does not fall entirely within the potential mining zone** recorded in the approved District Survey Report (DSR) of Bankura district. It is observed that the geo-coordinates mentioned in the approved Mining Plan with Progressive Mine Closure Plan does not match with the Non-Cluster Certificate. Also, the grant order uploaded did not contain the annexure specifying the geo-coordinates of the plot. Therefore, the SEAC recommended that the following submission / clarifications should be uploaded in the PARIVESH portal by the project proponent for further consideration :-

- 1) Modified Mining Plan with Progressive Mine Closure Plan in accordance with the Non-Cluster Certificate from the competent authority.
- 2) Grant order for the plot specifying the geo-coordinates.
- 3) A need-based EMP may be prepared in accordance with the MoEF&CC Office Memorandum vide F. No. 22-65/2017.IA.III dated 30.09.2020. Record of communications made in this regard with the identified/ intended beneficiaries (schools/ institutions etc.) may also be uploaded.
- 4) Means of access and egress between the embankment and the sand quarry may be clearly earmarked. The Project Proponent must commit that no hard toping or paving of any haulage route within the riverbed will be attempted.
- 5) A plan on management and handling of sand during the period of intermediate stock piling should be submitted.
- 6) A Progressive Greenbelt Plan may be prepared. The project being a riverbed project afforestation/ vegetation should be attempted alongside the village roads or other public land. This may be done with prior approval of the local self-governing bodies. If no public land is available for the purpose the Project Proponent shall arrange for land with his personal means. To enhance success/ survival rate the plantation shall be attempted during the first two years of the project life and the plantation so done shall be taken care of during the rest of the project life. Species of the plant selected should be self-sustaining in that particular region.
- 7) Plan showing spatial distribution of the proposed greenbelt has to be submitted along-with supporting documents of administrative approval/s

- 8) A study report on base flow level measured at 5 points with date and supporting photographs may be submitted. It should be committed that mining will be done at least 1m above the base flow level. Accordingly, if required, the excavation plan may also be revised.
- The project proponent uploaded their reply in PARIVESH Portal on 12.06.2023, which was considered in the 4<sup>th</sup> meeting SEAC, WB (2023-2026) held on 21.06.2023.

**SEAC Observations and Recommendations:**

- **The sand block does not form a cluster with any adjacent sand block.**
- Based on the submission made by the PP, the committee after careful consideration and detailed deliberation observed that the PP has not submitted satisfactory reply to the queries raised especially regarding point no. 8 - A study report on base flow level measured at 5 points with date and supporting photographs may be submitted. It should be committed that mining will be done at least 1m above the base flow level. Accordingly, if required, the excavation plan may also be revised. Also the approved Mining Plan with Progressive Mine Closure Plan with rectified geo-coordinates has not been submitted.

The PP should submit necessary clarification regarding the above.

**II. Proposed Riverbed Sand Mining (MIN\_BNK\_04) over an area of 15.93 ha / 39.37 Acres on the Damodar River at JL No. - 37 & 60, Plot No. - 3449 & 1208, Mouza - Mejia, Gopalgana & Telengana, P.S. - Mejia, Block - Mejia, District - Bankura, West Bengal.**

<b>Proposal No.</b>	<b>SIA/WB/MIN/424918/2023</b>
<b>Project Proponent -</b>	<b>M/s. West Bengal Mineral Development &amp; Trading Corporation Limited.</b>
<b>Environmental Consultant -</b>	<b>M/s. RSP Green Development &amp; Laboratories Pvt. Ltd.</b>

**Activities:**

- This is a proposal for riverbed sand mining of MIN\_BNK\_04 Sand Mine over an area of 15.93 ha / 39.37 Acres on the Damodar River at JL No. - 37 & 60, Plot No. - 3449 & 1208, Mouza - Mejia, Gopalgana & Telengana, P.S. - Mejia, Block - Mejia, District - Bankura, West Bengal.
- The PP has obtained Provisional Grant Order for Sand Blocks vide Memo No. 689/ICE-12011(99)/68/2022-MINES Dated 30/11/2022.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan with Progressive Mine Closure Plan' for riverbed sand mining at the site prepared by an RQP. The Plan has been approved by the State Government on 21.03.2023 and the approved plan has been uploaded at the PARIVESH portal by the PP. It is mentioned in the Mining Plan that the total mineable sand reserve of 1738137.60 m<sup>3</sup> of sand and geological reserve of 1881014 m<sup>3</sup>.
- The PP has uploaded pre-feasibility report for the proposed project.
- The PP has uploaded cluster certificate from the competent authority.
- The PP has informed that there is no court case pending against the project.



***Chronology of the Events:***

- The PP applied in prescribed format for ToR and uploaded the application in the PARIVESH portal on 05.04.2023.
- The PP was called for the ToR presentation in the 75<sup>th</sup> SEAC meeting held on 19.04.2023.
- Based on the submission and presentation made by the PP, the SEAC observed that the **entire plot area** for the proposed project as per the geo-coordinates mentioned in the approved Mining Plan with Progressive Mine Closure Plan **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Bankura district. But it was observed that the grant order uploaded did not contain the annexure specifying the geo-coordinates of the plot. Moreover, undertaking regarding the need based activity from the PP along with other documents have not been uploaded. Therefore, the SEAC recommended that the following submission / clarifications should be uploaded in the PARIVESH portal by the project proponent for further consideration :-

- 1) Grant order for the plot specifying the geo-coordinates.
  - 2) A need-based EMP may be prepared in accordance with the MoEF&CC Office Memorandum vide F. No. 22-65/2017.IA.III dated 30.09.2020. Record of communications made in this regard with the identified/ intended beneficiaries (schools/ institutions etc.) may also be uploaded.
  - 3) Means of access and egress between the embankment and the sand quarry may be clearly earmarked. The Project Proponent must commit that no hard toping or paving of any haulage route within the riverbed will be attempted.
  - 4) A plan on management and handling of sand during the period of intermediate stock piling should be submitted.
  - 1) A Progressive Greenbelt Plan may be prepared. The project being a riverbed project afforestation/ vegetation should be attempted alongside the village roads or other public land. This may be done with prior approval of the local self governing bodies. If no public land is available for the purpose the Project Proponent shall arrange for land with his personal means. To enhance success/ survival rate the plantation shall be attempted during the first two years of the project life and the plantation so done shall be taken care of during the rest of the project life. Species of the plant selected should have high Air Pollution Tolerance Index (APTI) and be self-sustaining in that particular region.
  - 5) Plan showing spatial distribution of the proposed greenbelt has to be submitted along-with supporting documents of administrative approval/s.
  - 6) A study report on base flow level measured at 5 points with date and supporting photographs may be submitted. It should be committed that mining will be done at least 1m above the base flow level. Accordingly, if required, the excavation plan may also be revised.
- The project proponent uploaded their reply in PARIVESH Portal on 12.06.2023, which was considered in the 4<sup>th</sup> meeting SEAC, WB (2023-2026) held on 21.06.2023.

***SEAC Observations and Recommendations:***

- **The sand block does not form a cluster with any adjacent sand block.** Based on the submission made by the PP, the committee after careful consideration and detailed deliberation observed that the PP has not submitted satisfactory reply to the queries raised especially regarding point no. 8 - A study report on base flow level measured at 5 points with date and supporting photographs may be submitted. It should be committed that mining will be done at least 1m above the base flow level. Accordingly, if required, the excavation plan may also be revised.

The PP should submit necessary clarification regarding the above.

**III. Proposed Riverbed Sand Mining (MIN\_BNK\_03) over an area of 13.5 ha / 33.36 Acres on the Damodar River at Plot No. - 3449, JL No. - 37, Mouza – Mejia, Gopalganja & Telengana, P.S. - Mejia, Block - Mejia, Dist. - Bankura, West Bengal.**

<b>Proposal No.</b>	<b>SIA/WB/MIN/424823/2023</b>
<b>Project Proponent -</b>	<b>M/s. West Bengal Mineral Development &amp; Trading Corporation Limited.</b>
<b>Environmental Consultant -</b>	<b>M/s. RSP Green Development &amp; Laboratories Pvt. Ltd.</b>

**Activities:**

- This is a proposal for riverbed sand mining of MIN\_BNK\_03 Sand Mine over an area of 13.5 ha / 33.36 Acres on the Damodar River at Plot No. - 3449, JL No. - 37, Mouza – Mejia, Gopalganja & Telengana, P.S. - Mejia, Block - Mejia, Dist. - Bankura, West Bengal.
- The PP has obtained Provisional Grant Order for Sand Blocks vide Memo No. 689/ICE-12011(99)/68/2022-MINES Dated 30/11/2022.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan with Progressive Mine Closure Plan' for riverbed sand mining at the site prepared by an RQP. The Plan has been approved by the State Government on 21.03.2023 and the approved plan has been uploaded at the PARIVESH portal by the PP. It is mentioned in the Mining Plan that the total mineable sand reserve of 1392163.20 m<sup>3</sup> of sand and geological reserve of 1594080 m<sup>3</sup>.
- The PP has uploaded pre-feasibility report for the proposed project.
- The PP has uploaded cluster certificate from the competent authority.
- The PP has informed that there is no court case pending against the project.

**Chronology of the Events:**

- The PP applied in prescribed format for ToR and uploaded the application in the PARIVESH portal on 04.04.2023.
- The PP was called for the ToR presentation in the 75<sup>th</sup> SEAC meeting held on 19.04.2023.
- Based on the submission and presentation made by the PP, the SEAC observed that the plot area for the proposed project as per the geo-coordinates mentioned in the approved Mining Plan with Progressive Mine Closure Plan **does not fall entirely within the potential mining zone** recorded in the approved District Survey Report (DSR) of Bankura district. It was further observed that the geo-coordinates mentioned in the

approved Mining Plan with Progressive Mine Closure Plan does not match with those mentioned in the Non-Cluster Certificate. Also, the grant order uploaded did not contain the annexure specifying the geo-coordinates of the plot. Therefore, the SEAC recommended that the following submission / clarifications should be uploaded in the PARIVESH portal by the project proponent for further consideration :-

- 2) Modified Mining Plan with Progressive Mine Closure Plan in accordance with the Non-Cluster Certificate from the competent authority.
  - 3) Grant order for the plot specifying the geo-coordinates.
  - 4) A need-based EMP may be prepared in accordance with the MoEF&CC Office Memorandum vide F. No. 22-65/2017.IA.III dated 30.09.2020. Record of communications made in this regard with the identified/ intended beneficiaries (schools/ institutions etc.) may also be uploaded.
  - 5) Means of access and egress between the embankment and the sand quarry may be clearly earmarked. The Project Proponent must commit that no hard toping or paving of any haulage route within the riverbed will be attempted.
  - 6) A plan on management and handling of sand during the period of intermediate stock piling should be submitted.
  - 7) A Progressive Greenbelt Plan may be prepared. The project being a riverbed project afforestation/ vegetation should be attempted alongside the village roads or other public land. This may be done with prior approval of the local self governing bodies. If no public land is available for the purpose the Project Proponent shall arrange for land with his personal means. To enhance success/ survival rate the plantation shall be attempted during the first two years of the project life and the plantation so done shall be taken care of during the rest of the project life. Species of the plant selected should have high Air Pollution Tolerance Index (APTI) and be self-sustaining in that particular region.
  - 8) Plan showing spatial distribution of the proposed greenbelt has to be submitted along-with supporting documents of administrative approval/s.
  - 9) A study report on base flow level measured at 5 points with date and supporting photographs may be submitted. It should be committed that mining will be done at least 1m above the base flow level. Accordingly, if required, the excavation plan may also be revised.
- The project proponent uploaded their reply in PARIVESH Portal on 12.06.2023, which was considered in the 4<sup>th</sup> meeting SEAC, WB (2023-2026) held on 21.06.2023.

**SEAC Observations and Recommendations:**

- **The sand block does not form a cluster with any adjacent sand block.**
- Based on the submission made by the PP, the committee after careful consideration and detailed deliberation observed that the **PP has not submitted satisfactory reply to the queries raised especially regarding point no. 8** that required submission of a study report on base flow level measured at 5 points with supporting photographs, clearly mentioning the date of field observations. The PP was also required to commit that mining will be done at least 1m above the base flow level, and if required, the excavation plan may also be revised. Also an updated approved Mining Plan with Progressive Mine Closure Plan mentioning the rectified geo-coordinates has not been submitted.

**Recommendation :** The PP should submit necessary documents / clarifications sought above to enable the SEAC to consider the project for issuance of ToR.

**IV. Proposed Riverbed Sand Mining (MIN\_BNK\_02) over an area of 14.14 ha / 34.95 Acres on the Damodar River at JL No-36, Plot No- 657, Mouza - Mejia, Gopalgana & Telengana, P.S.- Mejia, Block- Mejia, District-Bankura, West Bengal.**

<b>Proposal No.</b>	<b>SIA/WB/MIN/424789/2023</b>
<b>Project Proponent -</b>	<b>M/s. West Bengal Mineral Development &amp; Trading Corporation Limited.</b>
<b>Environmental Consultant -</b>	<b>M/s. RSP Green Development &amp; Laboratories Pvt. Ltd.</b>

**Activities:**

- This is a proposal for riverbed sand mining of MIN\_BNK\_02 Sand Mine over an area of 14.14 ha / 34.95 Acres on the Damodar River at JL No-36, Plot No- 657, Mouza - Mejia, Gopalgana & Telengana, P.S.- Mejia, Block- Mejia, District-Bankura, West Bengal.
- The PP has obtained Provisional Grant Order for Sand Blocks vide Memo No. 689/ICE-12011(99)/68/2022-MINES Dated 30/11/2022.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan with Progressive Mine Closure Plan' for riverbed sand mining at the site prepared by an RQP. The Plan has been approved by the State Government on 21.03.2023 and the approved plan has been uploaded at the PARIVESH portal by the PP. It is mentioned in the Mining Plan that the total mineable sand reserve of 1491350.4 m<sup>3</sup> of sand and geological reserve of 1669651.2 m<sup>3</sup>.
- The PP has uploaded pre-feasibility report for the proposed project.
- The PP has uploaded cluster certificate from the competent authority.
- The PP has informed that there is no court case pending against the project.

**Chronology of the Events:**

- The PP applied in prescribed format for ToR and uploaded the application in the PARIVESH portal on 04.04.2023.
- The PP was called for the ToR presentation in the 75<sup>th</sup> SEAC meeting held on 19.04.2023.
- Based on the submission and presentation made by the PP, the SEAC observed that the **entire plot area** for the proposed project (as per the geo-coordinates mentioned in the approved Mining Plan) **falls within the potential mining zone** recorded in the approved District Survey Report (DSR) of Bankura district. But it was observed that the grant order uploaded did not contain the annexure specifying the geo-coordinates of the plot. Moreover, undertaking regarding the need based activity from the PP along with other documents have not been uploaded. Therefore, the SEAC recommended that the following submissions / clarifications should be uploaded in the PARIVESH portal by the project proponent for further consideration :-

- 1) Grant order for the plot specifying the geo-coordinates.

- 2) A need-based EMP may be prepared in accordance with the MoEF&CC Office Memorandum vide F. No. 22-65/2017.IA.III dated 30.09.2020. Record of communications made in this regard with the identified/ intended beneficiaries (schools/ institutions etc.) may also be uploaded.
  - 3) Means of access and egress between the embankment and the sand quarry may be clearly earmarked. The Project Proponent must commit that no hard toping or paving of any haulage route within the riverbed will be attempted.
  - 4) A plan on management and handling of sand during the period of intermediate stock piling should be submitted.
  - 5) A Progressive Greenbelt Plan may be prepared. The project being a riverbed project afforestation/ vegetation should be attempted alongside the village roads or other public land. This may be done with prior approval of the local self governing bodies. If no public land is available for the purpose the Project Proponent shall arrange for land with his personal means. To enhance success/ survival rate the plantation shall be attempted during the first two years of the project life and the plantation so done shall be taken care of during the rest of the project life. Species of the plant selected should have high Air Pollution Tolerance Index (APTI) and be self-sustaining in that particular region.
  - 6) Plan showing spatial distribution of the proposed greenbelt has to be submitted along-with supporting documents of administrative approval/s.
  - 7) A study report on base flow level measured at 5 points with date and supporting photographs may be submitted. It should be committed that mining will be done at least 1m above the base flow level. Accordingly, if required, the excavation plan may also be revised.
- The project proponent uploaded their reply in PARIVESH Portal on 12.06.2023, which was considered in the 4<sup>th</sup> meeting SEAC, WB (2023-2026) held on 21.06.2023.

**SEAC Observations and Recommendations:**

- **The sand block does not form a cluster with any adjacent sand block.** Based on the submission made by the PP, the committee after careful consideration and detailed deliberation observed that the PP has not submitted satisfactory reply to the queries raised especially regarding point no. 8 that required submission of a study report on base flow level measured at 5 points with supporting photographs, clearly mentioning the date of field observations. The PP was also required to commit that mining will be done at least 1m above the base flow level, and if required, the excavation plan may also be revised.

**Recommendation:** The PP should submit necessary documents/ clarifications sought above to enable the SEAC to consider the project for issuance of ToR.

- V. **Proposed River Bed Sand Mining over an area of 3.72 ha (9.19 Acre) on Subarnarekha River at JL No. – 67, Plot No. – 425(P), Mouza - Chabukya, P.S. Sankrail, Dist- Jhargram, West Bengal.**

**Proposal No.**

**SIA/WB/MIN/418067/2023**

**Project Proponent -**

**Shri Sushanta Mandal.**

**Environmental Consultant -**

**M/s. Ultra Tech.**

**Activities:**

- This is a proposal for riverbed sand mining of MSHB-14 Sand Block over an area of 3.72 ha (9.19 Acre) on Subarnarekha River at JL No. – 67, Plot No. – 425(P), Mouza - Chabukya, P.S. Sankrail, Dist- Jhargram, West Bengal.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan with Progressive Mine Closure Plan' prepared for riverbed sand mining at the site by an RQP. The Plan has been approved by the State Government on 05.12.2022 and the approved plan has been uploaded at the PARIVESH portal by the PP. It is mentioned in the approved Plan document that there is total mineable sand reserve of 93780 m<sup>3</sup> and geological reserve is 111600 m<sup>3</sup>.
- The PP has uploaded pre-feasibility report for the proposed project.
- The PP has uploaded the copy of valid Lol.
- The **PP has not uploaded cluster certificate** from the competent authority.
- The PP has informed that there is no court case pending against the project.

***Chronology of the Events:***

- The PP applied in prescribed format for ToR and uploaded the application in the PARIVESH portal on 22.02.2023.
- The PP was called for the ToR presentation in the 69<sup>th</sup> SEAC meeting held on 11.03.2023.
- The PP did not appear before the SEAC for EC presentation. The SEAC decided that the PP should explain the reasons for his absence. If the reasons are found to be acceptable and satisfactory, the PP may be allowed to present his case in a subsequent meeting. On being so allowed the PP may appear for the presentation along with the NABET accredited consultant engaged by him.
- The PP submitted a prayer letter dated 13.06.2023 in PARIVESH portal requesting for withdrawal of this ToR application because after getting cluster certificate, it is observed that the proposed project does not fall in a cluster with other projects.

***SEAC Observations and Recommendations:***

- The submission of the PP was considered by the committee in the 4<sup>th</sup> meeting SEAC, WB (2023-2026) held on 21.06.2023. The committee recommended that the present application be rejected and forwarded to SEIAA. The PP may apply afresh for grant of EC.

**2.2) Environmental Clearance****2.2.1) Mining of Minerals (Minor Minerals other than ordinary sand):**

- I. **Proposed Mirmi Quartz and Feldspar Mine over an area of 3.68 ha (9.09 Acres) at Plot No. – 336, JL No. – 04, Mouza – Mirmi, P.S. – Balarampur, District – Purulia, West Bengal.**

**Proposal No.  
Project Proponent -**

**SIA/WB/MIN/412412/2022  
M/s. West Bengal Mineral Development and  
Trading Corporation Limited.**

Environmental Consultant -

M/s. GreenCIndia Consulting Private Limited.

**Activities:**

- This is a proposal for Mirmi Quartz and Feldspar Mine over an area of 3.68 ha (9.09 Acres) at Plot No. – 336, JL No. – 04, Mouza - Mirmi, P.S. – Balarampur, District – Purulia, West Bengal.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan with Progressive Mine Closure Plan' prepared for Quartz and Feldspar mining at the site by an RQP. The Plan has been approved by the State Government on 22.08.2019 and the approved plan has been uploaded at the PARIVESH portal by the PP.
- The PP has uploaded the pre-feasibility report for the proposed project.
- The PP has uploaded the copy of Grant Order from the competent authority.
- The **PP has not uploaded cluster certificate** from the competent authority.
- The PP has informed that there is no litigation pending against the project.
- The PP has submitted the requisite EC processing fees as required under Notification No 924/T-II-1/021/2022 dated 23.05.2022 issued by Department of Environment, Government of West Bengal.

**Chronology of the Events:**

- The PP applied in prescribed format for EC and uploaded the application in the PARIVESH portal on 15.03.2023.
- The PP was called for the EC presentation in the 73<sup>rd</sup> SEAC meeting held on 29.03.2023 and the PP presented their proposal in this meeting.
- 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: -
  - i) As per DSR of Purulia District, the mineral reserves for the project is shown as 2.9 lac tonne whereas in the approved Mine Plan the geological reserves is 144262.72 MT and mineable reserves mentioned is 122623.31 MT. Necessary clarification should be provided.
  - ii) Cluster certificate from the competent authority.
  - iii) Greenbelt plan and percentage. Species of trees should also be revised.
  - iv) Water supply and permission for the same.
  - v) Revised need based EMP. List of schools/institutions and communication with schools/ institutions to be provided.
  - vi) Year wise waste generation and disposal plan for over burden.
  - vii) Dust-control plan should be provided with water requirement.
- The project proponent uploaded their reply in PARIVESH Portal on 01.06.2023, which was considered in the 4<sup>th</sup> meeting SEAC, WB (2023-2026) held on 21.06.2023.

**SEAC Observations and Recommendations:**

- The committee (SEAC), **recommended that Environmental Clearance (EC)** may be granted to the proposed project/ activity with the conditions mentioned below as the additional EC conditions to be complied with. Compliance of these conditions may be reported in the half-yearly EC compliance reports to be submitted:
  - a) Status of the need-based activities to be reported during six monthly progress report.
  - b) Basic amenities, safety and occupational health examinations for labourers to be provided.
  - c) To enhance success/ survival rate the plantation shall be attempted during the first two years of the project life and the plantation so done shall be taken care of during the rest of the project life. Species of the plant selected should be self-sustaining in that particular region.

**II. Proposed Baraseni Granite Mine over an area of 1.10 ha (2.70 Acres) at J.L. No.- 109, Plot No. - 1630, 1631, Mouza - Baraseni, Block - Purulia District - Purulia, West Bengal.**

<b>Proposal No.</b>	<b>SIA/WB/MIN/412380/2022</b>
<b>Project Proponent -</b>	<b>M/s. West Bengal Mineral Development And Trading Corporation Limited.</b>
<b>Environmental Consultant -</b>	<b>M/s. GreenIndia Consulting Pvt. Ltd.</b>

**Activities:**

- This is a proposal for Baraseni Granite Mine over an area of 1.10 ha (2.70 Acres) at J.L. No.- 109, Plot No. - 1630, 1631, Mouza - Baraseni, PS & Block - Purulia District - Purulia, West Bengal.
- As required under the West Bengal Minor Mineral Concession Rules, 2016, the PP got a composite 'Mining Plan' prepared for proposed Granite Mine at the site by an RQP. The Plan has been approved by the State Government on 19.06.2019 and the approved plan has been uploaded at the PARIVESH portal by the PP. It is mentioned in the approved Plan that there is total mineable reserve is 43104.80 m<sup>3</sup> while the total geological reserves is 77,924.55 m<sup>3</sup>.
- The PP has uploaded pre-feasibility report for the proposed project.
- The PP has uploaded valid Grant Order from the competent authority.
- The **PP has not uploaded cluster certificate** from the competent authority.

**Chronology of the Events:**

- The PP applied in prescribed format for Environmental Clearance and uploaded the application in the PARIVESH portal on 03.02.2023.
- The PP was called for the EC presentation in the 72<sup>nd</sup> SEAC meeting held on 25.03.2023 and the PP presented their proposal in this meeting.
- 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: -



- i) Cluster certificate from the competent authority.
  - ii) Proper Progressive Mine Closure Plan.
  - iii) Greenbelt plan and percentage. Species of trees should also be revised.
  - iv) Water supply and permission for the same.
  - v) Revised need based EMP. List of schools and communication with schools to be provided.
  - vi) Year wise waste generation and disposal. Disposal plan for over burden.
  - vii) Dust-control plan should be provided with water requirement.
  - viii) Fencing should be provided around the water-filled old quarry
- The project proponent uploaded their reply in PARIVESH Portal on 03.06.2023, which was considered in the 4<sup>th</sup> meeting SEAC, WB (2023-2026) held on 21.06.2023.

***SEAC Observations and Recommendations:***

- Based on the submission made by the PP, the committee after careful consideration and detailed deliberation observed that the cardinal geo-coordinates mentioned in the approved Mining Plan does not reflect the boundary of the plot. Also, one of the coordinates mentioned in the approved Mining Plan falls outside the potential zone as mentioned in the approved DSR of Purulia District.
- Hence, the PP should submit the necessary clarification regarding the above.

***Recommendations:***

- The SEAC recommended that the above documents should be submitted in the PARIVESH portal for further consideration of the application.
- **All the documents should be duly signed both by the project proponent and the environmental consultant.**
- The SEAC will further consider the case on submission of satisfactory reply on the above-mentioned queries only through "PARIVESH" portal.

**3) Miscellaneous :-**

- I. **Application received from the Superintending Engineer, State Highway Planning Circle with respect to CRZ Clearance for the proposed project titled "Bridge over River Muriganga" to connect Kochuberi, Sagar Island with Kakdwip in South 24 Parganas district, West Bengal by Public Works Department (PWD) of Govt. of West Bengal.**

**Project Proponent :** Public Works Department (PWD)  
Govt. of West Bengal  
**Environmental Consultant –** M/s. Ultra-Tech.

***Activities:***

- This is a proposal for construction of bridge over River Muriganga to connect Kachuberia, Sagar Island with Kakdwip, South 24 Parganas, West Bengal. Total area

of road alignment bridge is about 1,41,354.95 sqm. Total cost of the project is 877 crores.

- Based on the O.M. vide F No. IA3-12/1/2022-IA.III dated 26.04.2022, the PP applied to SEIAA for CRZ clearance for the project and SEIAA considered the proposal in its 3<sup>rd</sup> meeting held on 09.06.2023. SEIAA forwarded the application to SEAC for appraisal and recommendation. SEIAA observed that since the PP has no provision for apply in PARIVESH portal to SEIAA for CRZ clearance at present, appraisal has to be done on the basis of their letter and hard copy submission.

***Salient features of the project:***

- Salient features of the project proposed by Public Works Department (PWD) of Govt. of West Bengal is as stated below :

Total length of the alignment	4,760 m
Total length of the bridge	3,168 m
Total length of Viaduct and Approach-road on both side of the main bridge	1,592 m
Length of viaducts	400 m at Lot No. 8 end of Kakdwip 350 m at Kachuberia end of Sagar Island
Length of approach roads	532 m at Lot No. 8 end of Kakdwip 310 m at Kachuberia end of Sagar Island
Total project area of interest	1,41,354.95 m <sup>2</sup> (with 30 m width)
Type of bridge structure	3 Lane Road Bridge (Extradosed type)
Width of bridge deck	20.4 m
Width of carriage way	13 m
Bridge structure components	22 Piers and 2 Abutments
Span configuration of bridge	Span: 1 x 93 m + 21 x 142 m + 1 x 93 m 20 Piers on River (P3 to P22),
Pier Size:	7.0 m x 3.3 m
Design speed	100 km/h (speed restriction on curves as 50 km/h)
Project Cost	INR 877 Crores (Bare construction cost only)
Period of Construction	4 Years
Starting (Take off) point	near Bharat Sevasaram Sangha on Lot 8/Kakdwip side existing road coming from NH-117 - Latitude : 21°53'0.16"N and Longitude : 88° 9'57.99"E
Ending (Meeting) point	(Kachuberia / Sagar Island) - Latitude : 21°51'33.63"N and Longitude : 88° 8'21.02"E

- The matter was taken up for consideration in the 4<sup>th</sup> SEAC meeting held on 21.06.2023.

***SEAC Observations and Recommendations:***

- The SEAC noted that the West Bengal State Coastal Zone Management Authority had recommended the proposed project to SEIAA with additional conditions vide their Memo No. 003/EN/T-II-04/23/2023 dated 10.04.2023 (enclosed as **Annexure – 3**).

- It has been further noted by the SEAC that a related NGT order (by Principal Bench, New Delhi) on Bridges (O.A. No. 137 of 2014 dated 12.02.2015), states that *“construction of a ‘bridge’ or similar activity covering a built-up area  $\geq 1,50,000$  sqm. and / or covering an area of  $\geq 50$  ha. would be covered under Entry 8(b) of the Schedule to the Regulations of 2006”* and directed project proponent to obtain Environmental Clearance for the project in question. The bridge on the river Muriganga is a project / activity with proposed built-up area  $< 1,50,000$  sqm. Therefore, the proposed project shall not fall under the schedule 8(b) of the EIA Notification, 2006 and its subsequent amendments.
- Based on the presentation and submission made by the PP, the SEAC **recommended the proposed project for CRZ clearance** to SEIAA with the following conditions:-
  - i. The project proponent should obtain EC from SEIAA, if the total built up area for the proposed project exceeds 1,50,000 sqm.
  - ii. No groundwater shall be extracted without permission from the competent authority.
  - iii. Pillar and Pile caps should not affect the flow water in the river during flood and normal conditions.
  - iv. No excavated material during the construction shall be dumped in water bodies or adjacent areas. The site shall be restored to its near original condition after completion of construction of bridge.
  - v. Temporary structures raised for construction activity on land, intertidal / tidal area shall be removed immediately after completion of construction activity.
  - vi. All possible safeguard to be taken to avoid any environmental impact during construction and operation of the project.
  - vii. Project proponent shall obtain all other necessary permission as applicable from the competent authorities.
  - viii. Special care needs to be taken to avoid any adverse impact on aquatic life.
  - ix. Emergency preparedness plan and disaster management plans should be specifically provided.
  - x. Plantation of mangroves, as much as possible, is suggested.

**Table-1 : List of the projects which were placed before the SEAC, WB (2023-2026) in the fourth meeting held on 21.06.2023 and the Summary Decisions thereof:**

Sl. No.	Name of the unit and Project address	Summary Decision
1. Cases for Technical Presentation		
1.1) Terms of Reference		
1.1.1) Construction Sector		
I.	M/s. N B Developers Proposed Residential cum Commercial Complex of “Maa Poornagiri Estate & Others” at R.S. Plot No. – 757, 758, 904, L. R. Plot No. – 1558, 1559, 1567, 1568, R.S. Khatian No. – 2/15, 2/16, 2/19, 35/3, L.R. Khatian No. – 10970, 10972, 10973, 10974, 10976, 10977, 10978, 11002, 10028, J.L. No. – 71, Mouza – Baramohan Singh, Porgana – Pathargatha, Atharakhai Gram Panchayat, P.S. – Matigara, District – Darjeeling, Pin – 734011, West Bengal. (Violation Category). (Proposal No.: SIA/WB/INFRA2/430920/2023)	Recommended for Terms of Reference under violation category.

Sl. No.	Name of the unit and Project address	Summary Decision
1.2) Environmental Clearance		
1.2.1) Construction Sector		
I.	M/s. Shree Krishna Realcon. Proposed Residential Complex of "Quintessa" at Premises No – 223C, Satin Sen Sarani (Manicktala Main Road), Ward No-30, Borough-III, Manicktala, Kolkata-700054, West Bengal. (Proposal No. SIA/WB/INFRA2/427884/2023)	Recommended for Environmental Clearance
1.2.2) Industry Sector		
I.	M/s. Unique Universal Bio Waste LLP. Proposed Establishment of Common Bio-Medical Waste Treatment Facility (CBWTF) at Village - Kaluabari, P.O. - Debithakurbari, P.S. - Rajganj, Mouza - Chhatgujrimari, Pargana - Baikunthapur, Dist. - Jalpaiguri, West Bengal. (Proposal No. SIA/WB/INFRA2/431778/2023)	Recommended for Environmental Clearance
II.	M/s. Sai Fertilizers Ltd. Proposed expansion of Single Super Phosphate Plant at JL No. 86, Mouza: - Dewanmaro Ayma, P.O. - Hariatara, P.S. - Kharagpur (Local), Dist. - Paschim Medinipur, West Bengal. (Proposal No. SIA/WB/IND3/404103/2022)	Absent
III.	M/s. Saraogi Shellac Overseas Corp. Proposed 24 TPA Green Field Ambrettolide Manufacturing at Dankuni Industrial Complex, Chanditala - Serampore Road Opposite of MBW & Bhagardhar, Dankuni - 712702, West Bengal. (Proposal No. SIA/WB/IND3/410038/2022)	Additional Details Sought
1.2.3) Mining of Minerals		
I.	M/s. West Bengal Mineral Development and Trading Corporation Limited Proposed Chhatna Sand Mine (MIN_BNK_DRK_B_7) over an area of 4.04 ha (9.98 Acres) on the Dwarakeswar River at JL No. – 177, Plot No. – 718, Mouza – Chhopania, P.S. – Chhatna, Dist. – Bankura, West Bengal. (Proposal No. SIA/WB/MIN/432157/2023)	Recommended for Environmental Clearance
II.	M/s. West Bengal Mineral Development and Trading Corporation Limited Proposed Gangarampur Sand Mine (MIN_DD_27) over an area of 2.94 ha (7.26 acres) on the Punarbhava River at J. L. No. – 28, Plot No. 3499, Mouza – Kathalhat Hossenpur, PS – Gangarampur, District – Dakshin Dinajpur, West Bengal. (Proposal No. SIA/WB/MIN/431888/2023)	Additional Details Sought
III.	M/s. West Bengal Mineral Development and Trading Corporation Limited Proposed Gangarampur Sand Mine (MIN_DD_25) over an area of 3.62 ha (8.94 Acres) on the Punarbhava River at J. L. No. – 35 & 84, Plot No. 1757, 1758, 1785 and 2501, Mouza – Debipur & Rajibpur, PS – Gangarampur, District – Dakshin Dinajpur, West Bengal. (Proposal No. SIA/WB/MIN/431500/2023)	Recommended for Environmental Clearance

Sl. No.	Name of the unit and Project address	Summary Decision
IV.	M/s. West Bengal Mineral Development and Trading Corporation Limited Proposed Tikul Sand Mine (MIN_DD_22) over an area of 0.55 ha (1.35 Acres) on the Tangaon River at J. L. No. – 222, Plot No. 1 & 154, Mouza – Tikul, PS – Banshihari, District – Dakshin Dinajpur, West Bengal. (Proposal No. SIA/WB/MIN/431303/2023)	Recommended for Environmental Clearance
V.	M/s. West Bengal Mineral Development and Trading Corporation Limited Proposed Panchbhaiya Sand Mine MIN_UD_03 over an area of 1.27 ha (3.14 acres) on the Nagri River at Mouza – Panchbhaiya, JL No. 22, Plot No. 363(P), Block – Raiganj, Dist. – Uttar Dinajpur, West Bengal. (Proposal No. SIA/WB/MIN/427417/2023)	Recommended for Environmental Clearance
2. Reconsideration		
2.1) Terms of Reference		
2.1.1) Mining of Minerals		
I.	M/s. West Bengal Mineral Development and Trading Corporation Limited Proposed Riverbed Sand Mining (MIN_BNK_52) over an area of 8.71 ha / 21.53 Acres on the Dwarakeswar River at JL No. - 42, Plot No. – 541(P), 1796(P), 1967(P), 1966(P), 1787(P), 1772, 1771, 1770, 1769, 1768, 1767, 1766, 1765, 1760(P), 1761(P), 1764(P), 1777, 1778, 1773, 1774, 1775, 1776, Mouza - Pantrai, P.S. - Indas, Block - Indas, District- Bankura, West Bengal. (Proposal No. SIA/WB/MIN/424978/2023)	Additional Details Sought
II.	M/s. West Bengal Mineral Development and Trading Corporation Limited Proposed Riverbed Sand Mining (MIN_BNK_04) over an area of 15.93 ha / 39.37 Acres on the Damodar River at JL No. - 37 & 60, Plot No. - 3449 & 1208, Mouza - Mejia, Gopalgana & Telengana, P.S. - Mejia, Block - Mejia, District – Bankura. (Proposal No. SIA/WB/MIN/424918/2023)	Additional Details Sought
III.	M/s. West Bengal Mineral Development and Trading Corporation Limited Proposed Riverbed Sand Mining (MIN_BNK_03) over an area of 13.5 ha / 33.36 Acres on the Damodar River at Plot No. - 3449, JL No. - 37, Mouza – Mejia, Gopalganja & Telengana, P.S. - Mejia, Block - Mejia, Dist. - Bankura, West Bengal. (Proposal No. SIA/WB/MIN/424823/2023)	Additional Details Sought
IV.	M/s. West Bengal Mineral Development and Trading Corporation Limited Proposed Riverbed Sand Mining (MIN_BNK_02) over an area of 14.14 ha / 34.95 Acres on the Damodar River at JL No-36, Plot No- 657, Mouza - Mejia, Gopalgana & Telengana, P.S.- Mejia, Block- Mejia, District-Bankura, West Bengal. (Proposal No. SIA/WB/MIN/424789/2023)	Additional Details Sought

Sl. No.	Name of the unit and Project address	Summary Decision
V.	Shri Sushanta Mandal Proposed River Bed Sand Mining over an area of 3.72 ha (9.19 Acre) on Subarnarekha River at JL No. – 67, Plot No. – 425(P), Mouza - Chabukya, P.S. Sankrail, Dist- Jhargram, West Bengal. (Proposal No. SIA/WB/MIN/418067/2023)	Rejected. PP to apply afresh.
2.2) Environmental Clearance		
2.2.1) Mining of Minerals (Minor Minerals other than Sand):		
I.	M/s. West Bengal Mineral Development and Trading Corporation Limited. Proposed Mirmi Quartz and Feldspar Mine over an area of 3.68 ha (9.09 Acres) at Plot No. – 336, JL No. – 04, Mouza – Mirmi, P.S. – Balarampur, District – Purulia, West Bengal. (Proposal No. SIA/WB/MIN/412412/2022)	Recommended for Environmental Clearance
II.	M/s. West Bengal Mineral Development and Trading Corporation Limited Proposed Baraseni Granite Mine over an area of 1.10 ha (2.70 Acres) at J.L. No.- 109, Plot No. - 1630, 1631, Mouza - Baraseni, Block - Purulia District - Purulia, West Bengal. (Proposal No. SIA/WB/MIN/412380/2022)	Additional Details Sought
3. Miscellaneous		
I.	Application received from the Superintending Engineer, State Highway Planning Circle with respect to CRZ Clearance for the proposed project titled "Bridge over River Muriganga" to connect Kochuberi, Sagar Island with Kakdwip in South 24 Parganas district, West Bengal	Recommended.

There being no other agenda the Chair thanked the members present for their fruitful participation and deliberations. The meeting ended with a vote of thanks to the Chair.

Sd/-

(Prof. (Dr.) Anirban Gupta)

Chairman

State Expert Appraisal Committee, West Bengal

Sd/-

(Dr. Pradip Kumar Sikdar)

Member

State Expert Appraisal Committee, West Bengal

Sd/-

(Prof. (Dr.) Sampa Chakrabarti)

Member

State Expert Appraisal Committee, West Bengal

Sd/-

(Prof. (Dr.) Aniruddha Mukhopadhyay)

Member

State Expert Appraisal Committee, West Bengal

Sd/-

(Prof. (Dr.) Indranath Sinha)

Member

State Expert Appraisal Committee, West Bengal

Sd/-

(Shri Shubhendu Bandyopadhyay)

Member

State Expert Appraisal Committee, West Bengal

Sd/-

(Dr. Rajesh Kumar, IPS)

Secretary

State Expert Appraisal Committee, West Bengal

## Annexure – 1

**UNDERTAKING for Building projects  
(To be done on Non-Judicial Stamp Paper of valuation Rs.10/- and duly notarized)**

I, \_\_\_\_\_ (name) Son of \_\_\_\_\_ (Father's Name), resident of \_\_\_\_\_ (Address) presently working as \_\_\_\_\_ (Designation) of M/s. \_\_\_\_\_ (Organization Name), am an authorized person of the above named organization, and I do hereby solemnly declare and state as follows:

- 1) THAT M/s. \_\_\_\_\_ (Organization Name) are the project proponent in respect of the \_\_\_\_\_ (Project Name).
- 2) AND THAT M/s. \_\_\_\_\_ has constructed \_\_\_\_\_ square metre of built-up area at premises no. \_\_\_\_\_.
- 3) AND THAT in terms of EIA Notification 2006 and amendments made thereto, the above project requires prior environmental clearance from the State Environment Impact Assessment Authority, West Bengal, before any construction work, or preparation of land by the project management (except for securing the land) is started on the project.
- 4) AND THAT M/s. \_\_\_\_\_ has failed to get prior environmental clearance as per statutory provisions of EIA Notification, 2006, due to the reasons mentioned below: (please mentioned the reasons) –
  - i.
  - ii.
  - iii.
  - iv.
- 5) AND THAT M/s. \_\_\_\_\_ has applied in prescribed form(s) for obtaining necessary Terms of Reference/ Environmental Clearance as per the EIA Notification, 2006 and its amendments issued by the Ministry of Environment, Forest and Climate Change (hereinafter referred to as MoEFCC) and the Standard Operating Procedure (SoP) issued by MoEFCC vide its OM dated 07.07.2021, which was upheld by hon'ble Supreme Court vide its order dated 09.12.2021 (MoEFCC O.M. No.22-21/2020-IA.III[E 138949] dated 28.01.2022).
- 6) NOW I, on behalf of the Project Proponent, undertake the following.
  - a) THAT the project proponent shall comply with all statutory requirements/ norms for obtaining Environmental Clearance for the project;
  - b) AND THAT the project shall obtain all necessary permissions/ licences/ clearances from the Government Departments/ Authorities concerned and shall submit proofs of such compliances before the State Level Appraisal Committee, West Bengal;
  - c) AND THAT the Project Proponent shall take all measures for the protection of the environment as may be prescribed by the Central Government or the State Government from time to time and all expenses to be incurred for taking such measures shall be met by the project proponent.
- 7) AND NOW I, on behalf of the Project Proponent, also undertake not to repeat such violation in future, and that in case of any further violation, the Terms of Reference issued or the Environmental Clearance granted shall be liable to be terminated.

The above-mentioned statements are true to the best of my knowledge and belief.

DEPONENT



**INSPECTION REPORT**

<b>Reference:</b>	Email from CE, EIM Cell, for verification of the compliance of the CPCB Guidelines for Common Biomedical Waste Treatment & Disposal facility for the upcoming CBMWTF at Rajganj Jalpaiguri by M/s Unique Universal Bio-waste LLP.
<b>Name of the proposed project :</b>	Common Bio-Medical Waste Treatment Facility
<b>Name of the unit Project Proponent (PP):</b>	M/s Unique Universal Bio Waste LLP.
<b>Address:</b>	Village-Kaluabari, PO-Debithankurbari, PS-Rajganj, Mouza-Chhatgujrimari, Pargana Baikunthapur, Dist-Jalpaiguri-735133
<b>Plot Area:</b>	2.83 acre
<b>Local Body:</b>	Panikauri Gram Panchayat
<b>International Boundary:</b>	Bangladesh International Boundary- : 20 K.M. from the project location.
<b>Protected Area/Eco-sensitive Zone</b>	Does not fall within 5 KM from the proposed site.
<b>Date &amp; Time of Inspection:</b>	19.06.2023, 16:00 hrs to 16-30 hrs
<b>Inspecting Officials:</b>	S. Mahato (AEE, SRO)
<b>Responsible person behalf of the unit :</b>	Mr. Shibasish Das, Partner

**Observation:** This is a proposed Common Bio-Medical Waste Treatment Facility (CBWTF) of M/s Unique Universal Bio Waste LLP. The proposed CBWTF will install Plasma Pyrolysis process, Autoclave and Shredder. Public hearing conducted on 10.04.2023.

During inspection it has been observed that the proposed site is a vacant land. The nearest village Kaluabari is located beyond 500 MTR from the proposed project site. No other habitat, water body or any sensitive zone is situated within 500 MTR from the proposed site.

As per the 'Revised Guidelines for Common Bio-medical Waste Treatment and Disposal Facilities' of CPCB, Location Criteria for setting up of a new CBWTF is as following:

*A CBWTF can be located at a place reasonably far away from notified residential and sensitive areas and should have a buffer distance of preferably 500 m.*



[ S. Mahato ]  
AEE, SRO

Photographs taken during inspection on 19.06.2023

*Snahgo*

Proposed site of the CBWTF

WEST BENGAL STATE COASTAL ZONE MANAGEMENT AUTHORITY  
IESWM, DD 24, Sector I, Salt Lake, Kolkata-700064  
Tele: 033- 2334-1020  
Email – [wbsczma@gmail.com](mailto:wbsczma@gmail.com)  
Website : [www.environmentwb.gov.in](http://www.environmentwb.gov.in)

Memo No. <sup>003</sup>/-EN/T-II-04/23/2023

Date: 10/4/2023

**Sub:** CRZ recommendation for the proposed project titled '**Bridge over river Muriganga to connect Kochuberia, Sagar Island with Kakdwip in South 24 Parganas district, West Bengal.**

Sir,

This has reference to above mentioned subject wherein the Superintending Engineer, State Highway Planning Circle, Public Works (Roads) Directorate, Govt. of West Bengal has submitted an application to West Bengal State Coastal Zone Management Authority (WBSCZMA) seeking CRZ clearance for the proposed construction of a '**bridge over river Muriganga to connect Kochuberia, Sagar Island with Kakdwip in South 24 Parganas district, West Bengal**'. A brief description of the project is as follows;

**Brief Description of the project:**

- ❖ **Name of the Project:** Construction of bridge over River Muriganga to connect Kachuberia, Sagar Island with Kakdwip, South 24 pgs, West Bengal
- ❖ **Location:** Between Kakdwip (near Lot 8) to Kochuberia (at Sagar Island), District- South 24 Parganas
- ❖ **Project Proponent:** Public Works Department (PWD), Govt. of West Bengal.
- ❖ **Cost of the Project:** Rs. 877 crores (construction cost only)
- ❖ **Total Area of Interest:** Total area of road alignment bridge is about 1,41,354.95 sq. m.

The above proposal for recommendation under CRZ was considered by WBSCZMA in its meeting held on 10.03.2023. As per the project documents submitted and presentations made by the Project Proponent, it is observed that;

- The Proposed project involves construction of 3 lane extra dosed road bridge across river Muriganga to provide connectivity to Sagar Island from the mainland which requires land area for approach. The proposed project will provide a permanent access to Sagar Island with the mainland. There will also be changes in land use. A total of 379.43 km<sup>2</sup> area will be under creation of new land use.
- The total length including bridge is 4760m. Length of main bridge is 3168m and width of bridge is 18m. 22 numbers of piers will be constructed on river along with 2nos. abutment to support the bridge structures. The project site comes under cyclone prone area and is in seismic zone IV.
- There would not be any ground water extraction for the project. The total water requirement during construction will be around 197.80 kld which will be met from river/ well. There will be no water requirement during operation phase.
- Solid waste generation would be approx. 15 kg/day, out of which 6kg/ day would be biodegradable and remaining non- biodegradable which would be handed over to garbage collection facility. Approx. 3 kld sewage would be generated during construction which would be disposed using septic tanks.
- Total of 185 trees would be cut. The PP states that compensatory afforestation measures will be taken up along the road side.
- The total project area of the road bridge alignment is about 14135.95 sq. m out of which 69% of the total AOI lies within various CRZ categories and the rest 31% lies beyond CRZ.

The details of the area statistics for the project are as follows:

CRZ Areas	Area(sq. m)	Percentage
Total area of interest	141354.95	100%
CRZ-IA (Mudflat)	4193.64	2.97%
CRZ-IB (Intertidal)	1279.96	0.91%
NDZ	6226.75	4.41%
CRZ-IVB	86237.59	61.01%
Total CRZ Areas	97937.94	69.29%
Total non CRZ Area	43417.01	30.71%



The project proponent had requested River Research Institute (RRI), under Irrigation & Waterways Deptt to carry out consultancy service regarding mathematical model study of the river Muriganga. Subsequently, the Director of River Research Institute gave a work order to IIT, Kharagpur to conduct a mathematical modeling study in the river Muriganga considering the effects of proposed piers of Road Bridge connecting the Sagar Island with the main land at near Kakdwip. Two categories of studies that were conducted are;

1. For the study of changes of morphology of Muriganga river by Google Earth Engine
2. 2D hydrodynamic sediment model for the study of proposed bridge piers effect in river of Muriganga near the bridge location using software

The Project Proponent made a presentation on the proposed project explaining its salient points.

**The following deliberations were made after going through the project document and presentation:**

- At the onset, it was pointed out to the PP that for the mathematical study conducted by RRI, the data has been collected during the summer and winter season only. The PP was enquired as to why the study has not been done during the monsoon season when the sediment load carried by the river is vastly different from what it carries during summer or winter. The Deputy Director (Hydraulics), RRI stated that the data for monsoon season has been collected from the Kolkata Port Trust.
- The PP was asked whether any sand bar deposition study has been carried out for the river. The Deputy Director informed that a simulation study has been done.
- The preventive/ corrective measures that can be taken up in future in case of sedimentation were enquired about. The PP explained that keeping the sedimentation in mind, the vertical span clearance of the bridge has been kept as 7.5mts above flood level. The Authority stated that clearance height is to be measured keeping in view the HTL during cyclone YAAS which devastated coastal West Bengal on 26 May, 2021. It was also informed by the PP that periodic dredging would be carried out after the bridge is constructed as is being done presently too.
- The experts enquired about the need of felling any trees due to the proposed work. It was informed that the felling permission should be taken from the Forest Department. PP ensured that the required permission would be taken and all the provisions would be followed.
- The Authority raised its concern about the bridge end at Kochuberia side and stated that proper protective/ preventive measures must be taken by the PP to control erosion at the

river bank. It stressed that the under scouring at the base of the bridge piers has to be reduced.

- PP was asked to study the impact of total erosion of Ghoramara Island in future on proposed bridge and sedimentation. The Deputy Director, RRI stated that bathymetry study can be carried out till upstream tip of Sagar.

**DECISION:** Based on the detailed deliberations and clarification given by the Project Proponent, the WBSCZMA unanimously agreed to recommend the said project to the State Environment Impact Assessment Authority subject to conditions specified below, for CRZ clearance as per CRZ Notification, 2011;

**GENERAL CONDITIONS:**


1. CRZ norms as laid down in CRZ Notification, 2011(as amended from time to time) should be strictly followed till finalization of CZMP, 2019. All other statutory clearances as applicable shall be obtained by the Project Proponent from the respective competent Authorities.
2. Drawal of ground water within 200m of HTL is prohibited. In no case ground water should be extracted without permission of the Competent Authority under the West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.
3. The Proponent should abide by the Municipal Solid Waste (Management & Handling) Rules, 2016. The Proponent must develop the solid waste management and disposal plan ensuring storage and segregation of bio-degradable and non-biodegradable wastes. The biodegradable wastes to be composted and used as manure. The inorganic wastes should be handed over to the Municipal Authority.
4. The Proponent should strictly abide by The West Bengal Trees (Protection and Conservation in non-forest areas) Rules, 2007.
5. The Project Proponent shall submit a half yearly compliance report to MoEF&CC/ WBSCZMA in respect of the stipulated terms and conditions in hard and soft copies on 1st July and 31st December each calendar year.
6. Adequate provisions for the infrastructure facilities including water supply and sanitation should be ensured for the labourers during the construction period in order to avoid damage to the surrounding environment. Medical aid facility to be made available quickly in case of an accident.

7. All liquid waste arising from the proposed development will be disposed of as per the norms prescribed by Central/ State Pollution Control Board. There shall not be any disposal of untreated effluent into the sea/ coastal water bodies.
8. Construction materials and wastes including hazardous substances, if any, should not be allowed to pollute the surrounding land or aquatic environment, as the case may be and should be disposed of as per prevalent rules.
9. The noise level and the suspended particulate matters should be kept within permissible levels during construction as well as operation phase and should be minimized through good working practices and management of working hours. Green DG sets should be installed for controlling sound and gaseous emission. Dust suppression should be done by sprinkling water wherever necessary.
10. The WBSCZMA may monitor the implementation of the project at any stage. The authorised officials of the West Bengal State Coastal Zone Management Authority shall have the power to inspect the sites to enforce these conditions imposed by the State authority. Full co-operation shall be extended to the officials of WBSCZMA during monitoring of implementation of environmental safeguards stipulated. The Authority reserves the right to add additional safeguard measures subsequently, if found necessary.
11. Concealing factual data or submission of false/ fabricated data and failure to comply with any of the conditions mentioned in the recommendation letter may result in withdrawal of this clearance and attract action under the provision of Environment (Protection) Act, 1986.

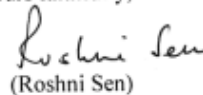
**SPECIFIC CONDITIONS:**

- The project proponent would make detailed study on estuarine sedimentation in case of total erosion of Ghoramara Island which is situated at the northern tip of Sagar Island and possible erosion of either bank and ensure proper preventive/ corrective measures.
- Since this is the youngest Delta of the World and sediment layers in the littoral tract are yet to be consolidated and there is possibility of land subsidence in future, all cares should be taken for the safety of the structure.
- The recommendation of CRZ clearance mentioned here is limited to the total area of road alignment bridge which is about 1,41,354.95 sq. m.
- Tree felling, transplanting of trees as well as selection of suitable plant species for planting may be done in discussion with WBBB or Forest Deptt. Indigenous plants should be used for plantation.



- 
- The Project Proponent would conduct the under scouring study at regular intervals to reduce the scouring and ensure river toe protection. In design, all loads including (wind load) and load combinations should be according to latest codal provisions.
  - Since the project area is a major migratory bird route, no disturbance to the birds during the migratory season should occur.
  - The first-aid kits should also be ensured at construction sites. Use of safety equipment like goggles, helmets etc. to be ensured compulsorily.
  - Proper firefighting equipment should be kept ready, regularly maintained and occasional drills to be carried out. Storage of fuel should be as per the Rules and guidelines laid down in relevant statutes.
  - All vehicles, machinery and equipment to be engaged for construction would conform to relevant pollution standards.
  - After completion of construction activities general clean up of area including inter tidal area should be undertaken.
  - No permanent labour camp, machinery and material storage shall be allowed in CRZ area. Any temporary physical infrastructure setup during construction period shall be removed simultaneously with completion of laying of each segment of the project.
  - The Authority reserves the right to add additional safeguard measures subsequently if found necessary.

Yours faithfully,



(Roshni Sen)  
Principal Secretary,  
Environment Department  
&  
Chairperson, WBSCZMA

Enclosures:

1. Copy of EIA, Risk Assessment Report, EMP, Form 1, CRZ maps etc
2. Minutes of meeting of WBSCZMA held on 10.03.2023




Memo No. 003/1(2)-EN/T-II-04/23/2023

Date: 10.04.2023

Copy forwarded to:

1. The Chairman, State Environment Impact Assessment Authority, 5<sup>th</sup> Floor, Pranisampad Bhavan.
2. The Superintending Engineer, State Highway Planning Circle, P.W. (Roads) Directorate with the request to take up the matter with SEIAA.
3. Director, River Research Institute, Irrigation & Waterways Directorate


  
Member Secretary,  
WBSCZMA&  
Director, IESWM  
(In the rank of Principal Secretary)

Memo No. 003/2 (1) -EN/T-II-04/23/2023

Date: 10.04.2023

Copy forwarded to:

1. District Magistrate, South 24 Parganas for his information.

  
Member Secretary,  
WBSCZMA&  
Director, IESWM  
(In the rank of Principal Secretary)