

**Proceedings of the 266<sup>th</sup> meeting of the State Environment Impact Assessment Authority (SEIAA) held on 02.11.2023 (Thursday) at 12:00 Noon in the Conference Hall no. 2, 1<sup>st</sup> Floor, MGSIPA Complex, Sector-26, Chandigarh.**

The meeting was attended by the following members:

- 1) Sh. H S Gujral,  
Chairman, SEIAA
- 2) Sh. Harjeet Singh Sandhu, PCS  
Member Secretary, SEIAA
- 3) Dr. Adarsh Pal Vig, Member SEIAA -cum  
Chairman, Punjab Pollution Control Board, Patiala

Er. Rantej Sharma, Environmental Engineer SEIAA along with other supporting staff of SEIAA also attended the meeting.

**Item No. 01: Confirmation of the proceedings of the 265<sup>th</sup> meeting of the State Environment Impact Assessment Authority**

SEIAA was apprised that the proceedings of the 265<sup>th</sup> meeting of the State Environment Impact Assessment Authority (SEIAA) held on 26.10.2023 had been sent through e-mail dated 01.11.2023 to the members for sending comments till 02.11.2023 by 11:00 AM. However, no comments have been received from the members. The proceedings of the meeting as circulated were therefore confirmed and will be uploaded on the Parivesh Portal shortly.

**Item No. 02: Action taken on the proceedings of the 265<sup>th</sup> meeting of State Environment Impact Assessment Authority held on 26.10.2023.**

SEIAA was apprised that the requisite action in accordance with the proceedings of the 265<sup>th</sup> meeting will be taken after uploading of the proceedings of the meeting shortly.

SEIAA noted the same.

**General Discussions:**

- 1) SEIAA was apprised that as per data checked from Parivesh portal, the status of pending EC and ToR applications is as under:

**EC cases**

Total No. of Pending EC cases	Total No. of cases pending at SEAC level	Total No. of cases pending at SEIAA level
32	19	13 (2 cases pending for acceptance for withdrawal, 02 cases placed in present 266 <sup>th</sup> meeting of SIAA, 4 recently received cases under Scrutiny, 4 cases placed in the 265 <sup>th</sup> meeting & EC pending for uploading and 1 EC approved in the 263 <sup>rd</sup> meeting of SEIAA pending for uploading due to problem in Parivesh Portal).

**ToR cases**

Total No. of Pending ToR cases	Total No. of cases pending at SEAC level	Total No. of cases pending at SEIAA level
10	0	10 (7 recently received cases under scrutiny; 1 case placed in the last 265 <sup>th</sup> meeting & ToR pending for uploading and 2 cases pending for acceptance of withdrawal applications).

SEIAA noted the same and found that the progress is satisfactory.

2) SEIAA was apprised that status of construction reports are not being received from PPCB on timely basis resulting in delay in appraising of application at SEAC level. It was also informed that in some cases five reminders through e-mail have also been sent to concerned Regional Office of PPCB for sending the construction status report. The detail of the 24 cases in which construction status report from PPCB is pending are as per **Annexure-A**.

After detailed deliberations, it was decided that MS SEIAA may issue a DO letter to Member Secretary, PPCB for sending the construction status report in these 24 cases, within 10 days positively.

**Item No. 266.01: Application for Environmental Clearance for carrying out mining of minor minerals for mining site namely Nazamwala 1,2 & 3 at Village Nazamwala, Tehsil- Zira, District- Ferozpur, Punjab by Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resource Department, Ferozpur. (Proposal No SIA/PB/MIN/444978/2023).**

The Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resource Department, Ferozpur division has applied for obtaining Environmental Clearance under category B2 and 1(a) of the schedule appended with the EIA Notification dated 14.09.2006 for carrying out mining of minor minerals at Village Nazamwala, Tehsil- Zira, District- Ferozpur, Punjab (Agriculture site). The proposed site is a Public mining site (PMS).

The Department has deposited requisite fee of Rs. 6180/- dated 22-09-2023 for obtaining Environmental Clearance for carrying out mining in the above mining site. The adequacy & verification of fee deposited by the applicant has been checked by the supporting staff of SEIAA. The Mining Plan was approved by Assistant Geologist, Punjab vide letter No. Glg/PB/M.P./Nazamwala 1,2,3/2428 dated 18.09.2023.

**Deliberations during 264<sup>th</sup> meeting of SEAC held on 23.10.2023.**

The meeting was attended by the following:

- (i) Mr. Paras Mahajan, Asst. Geologist.
- (ii) Sh. Manjot Kamboj, Mining Inspector, Department of Mines & Geology.
- (iii) Dr. KL Satapathy, Environmental Consultant, M/s GRC India (Through VC).

The Committee allowed the Environmental Consultant to present the salient features of the application proposal. Thereafter, the Environmental Consultant presented the case as under:

S.No	Item	Details
1.	Online Proposal No. and date of submission	SIA/PB/MIN/444978/2023 Date of Submission: 22/09/2023
2.	Project Name & Location	Nazmawala 1,2,3 Sand Mining ProjectVillage: Nazmawala Tehsil: Zira,District: Ferozpur, State: Punjab
3	Name of the Applicant, Designation Mobile no. & Email Id	Office Of Executive Engineer/Ferozpur Drainage-Cum-Mining &Geology Water Resources Department, Punjab 89-Jhoke Road, Ferozpur 8146687777

4	Name of Environmental Consultant , Mobile no. & Email Id	Grass Roots Research and Creation (P) Ltd.0120-4044630			
5	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	1(a) Mining of Minor Minerals			
6	Details of Mining Lease	Area: 3.09 Ha Quantity: 41355 MT			
i)	Mineral (s) to be mined	1) Sand			
ii)	Method of mining	Manual			
iii)	Agriculture land or River/choe mining. In case of River/Choe mining, name of the River/Choe to be specified.	Agricultural Land (PMS)			
	a. Capacity of Mine as per the EC application/DSR/Mining plan in MT and TPA	<b>Descriptio n</b>	<b>As per the EC application</b>	<b>As per the approved DSR</b>	<b>As per the Mining Plan</b>
	b. Area of the Mine as per EC application/DSR/Mining plan	Mine Capacity in MT	41355	103974.75	41355
	c. c. Depth of mining as per EC application/DSR/Mining plan	Mine Capacity in TPA	20527 TPA- 1 <sup>st</sup> Year 20828 TPA- 2 <sup>nd</sup> Year	NA	NA
		Mining Area of mining in HA	3.09	3.75	3.09
		Depth of Mining in m	3.0	2.70 m- Nazamwala1  2.81 m- Nazamwala2  2.91 m- Nazamwala3	3.0
v)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt., where applicable	The State Govt through Department of Mines and Geology has proposed to carry out mining through concerned Executive Engineer/ DMO.			

7	Details of Final District Survey Report		Approved by : SEIAA, Punjab Reference No: SEIAA/MS/2023/630 Date of Issue: 18/04/2023 Safe distance from banks (m): 50m Annual rate of replenishment as per the study conducted: Study to be conducted		
8	Had Bast No.		25		
9	Land Khasra No. & their consent details				
	<b>Sr No</b>	<b>Type</b>	<b>Khasra No</b>	<b>Whether consent from the land owners submitted.</b>	
	2	Private Land	33//1(4-4),2(8-0),7/1(2-12), 27//18(4-0),22(4-0),23(8-0), 33//7/2 (2-0), 8(5-0), 22//23/4 (4-7), 24/2(4-2),27//4(2-17),3/2/(5-6)	Submitted	
10	Latitude & Longitude				
		<b>Pillar No.</b>	<b>Latitude</b>	<b>Longitude</b>	
		<b>Block-I</b>			
		A.	31° 3'23.20"N	74°42'51.18"E	
		B.	31° 3'23.24"N	74°42'56.68"E	
		C.	31° 3'25.31"N	74°42'56.59"E	
		D.	31° 3'25.22"N	74°42'53.78"E	
		<b>Block-II</b>			
		A.	31° 3'25.38"N	74°42'54.00"E	
		B.	31° 3'29.26"N	74°42'59.34"E	
		C.	31° 3'27.23"N	74°42'59.23"E	
		D.	31° 3'27.24"N	74°43'2.38"E	
		E.	31° 3'25.43"N	74°43'2.35"E	
		F.	31° 3'23.33"N	74°42'59.34"E	
		G.	31° 3'21.69"N	74°42'59.23"E	
		H.	31° 3'21.58"N	74°42'56.89"E	
		I.	31° 3'23.24"N	74°42'56.81"E	
		<b>Block-III</b>			
		A.	31° 3'31.24"N	74°42'50.26"E	
		B.	31° 3'30.92"N	74°42'54.36"E	
		C.	31° 3'30.31"N	74°42'54.37"E	
		D.	31° 3'29.21"N	74°42'51.89"E	
		E.	31° 3'29.28"N	74°42'50.32"E	

11	Does the project involve diversion of forest land. If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof	No									
12	Does the project fall of eco-sensitive area/ National Park/Wild Life Sanctuary? If yes, application submitted to NBWL.	No									
13	Cost of the project	Rs.86.12 Lakhs									
14	Environmental Clearance. Fee details	Rs.6180/- Vide Ref No-N265232652346604 dated 22/09/2023.									
15	Certificate to be provided by DMO that the proposal is as per the annexure-V of DSR.	A copy of the Letter issued by DFO Ferozpur vide no 5762 dated 12/12/2022 has been submitted, whereas it has been mentioned that the department has no objection for carrying out mining at proposed mining site.									
16	Demarcation report of mining site	Date of demarcation: Nos of Burjis made: <u>18</u> Nos Photographs are not submitted: No Signed by : Kanugo Santokh Singh									
17	Workers (when fully operational)	18 Persons.									
18	Water Requirements & source	1.85 KLD Through Water tankers									
19	Waste water generation, Treatment & its Disposal	NIL									
20	Green Belt Development Plan including no. of trees to be planted & its species.	No of plant to be planted: 155Nos Funds Allocated: Rs 1.55 lacs towards capital cost and Rs 0.75Lacs towards recurring cost. (Rs 1000/- per tree as capital cost and Rs 1000/- per tree as maintenance cost)									
21	Whether any High Transmission wires is passing over the proposed mining site (Yes/No)	No									
22	Environment Management Plan alongwith Budgetary breakup and responsibility to implement	DMO will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.									
23	<table border="1"> <thead> <tr> <th>Sr. No</th> <th>Environment mitigation measure</th> <th>Total cost to be incurred (In Rs)</th> <th>Recurring Cost(Rs)</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>			Sr. No	Environment mitigation measure	Total cost to be incurred (In Rs)	Recurring Cost(Rs)				
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	1	Water Sprinkling Measures to be done on haul road to suppress dust & Haul Road and other Roads Repair and maintenance	1,50,000	50,000
	2	Plantation and maintenance of 155 saplings through State Forest Department under Green Punjab Mission: Plantation cost 3.09 Ha X 50 saplings/Ha=155 sapling @ Rs. 1000 per sapling	1,55,000	75,000
	3	Drinking water facility, Septic Tank & Mobile toilets and solid waste management	65,000	10,000
	4	Safety equipment's such as gloves, mask, helmet, First aid kit etc.	30,000	7,000
	5	Additional Environmental activities (Rs. 0.5 per MT of Total quantity) (Awareness camps at Schools)	21,000	-
	6	Regular health check-up camps for the workers engaged in mines shall be organized.	10,000	10,000
	7	Environmental Monitoring (Air, Water Soil etc.).	30,000	7,000
	<b>Total</b>		<b>4,61,000</b>	<b>1,59,000</b>
24	<p><b>Additional Environmental Activities (AEA) activities along with budgetary break up and responsibility</b></p> <p>DMO will be responsible for implementation of Additional Environmental Activities (AEA). As the project having minable Quantity 41355 MT, the project proponent has proposed to spent Rs 0.21 Lakhs (i.e @ Rs 0.50 per Ton) for AEA activities.</p>			
25	<p>An undertaking submitted by DMO, Ferozepur submitted, which contain following facts:</p> <p>i) No court case/litigation is pending before any court of Law against the project and/or land in which the project is proposed to be set up.</p> <p>ii) During the lease period, the deposit will be worked from the top surface to 3 m below ground level or above ground water table, whichever comes first.</p> <p>iii) No Stream Mining shall be allowed. The operation will be done only from sun rise to sun set hence there will be no power requirement for the project at site.</p> <p>iv) All the activities will be carried out manually using hand tools like shovel, pan, sieve etc.</p> <p>v) Nazamwala site 1, 2 &amp; 3 lies in area less than 500 m so cluster is formed.</p>			

During meeting, the Project Proponent presented the KML file by superimposing the proposed site as per the application proposal and as approved in the DSR. As per the said KML file, the proposed area of mining site measuring 3.09 Ha falls within the area of mining site approved in the DSR. The Committee noted the same.



The Committee further observed that the Project Proponent has not submitted photographs of demarcation done at proposed mining site. The Project Proponent submitted the photographs of the mining site demarcated with flags.

The Committee asked the Project Proponent to submit an undertaking that NOC for land bearing khasra No. of mining area is as per the proposal and has been duly received from concerned land owners, demarcated on site and are in consonance with the latest revenue record of the Village. The Project Proponent submitted the same.

After detailed deliberations, SEAC decided to forward the application proposal to SEIAA with the recommendation to grant Environment Clearance under EIA Notification dated 14.09.2006 for carrying out mining of minor minerals (sand) in the area of 3.09 Ha for the quantity of 41355 TPA, which shall not exceed the quantity of 103974.75 MT as per the approved DSR at Village Nazamwala, Tehsil Zira, District Ferozepur, subject to the conditions attached as Annexure-1.

### **Deliberations during 266<sup>th</sup> meeting of SEIAA held on 02.11.2023.**

The case was considered by SEIAA in its 266<sup>th</sup> meeting held on 02.11.2023 which was attended by the following:

- (i) Sh. Khushwinder Singh, Executive Engineer, Head Office from Mining and Geology.
- (ii) Sh. Paras Mahajan, Assistant Geologist and other officers from Head Office of the Mining Department.
- (iii) Sh. Gitesh Upreja, DMO, Ferozepur.
- (iv) Sh. Kishlay Singh, Environmental Consultant from GRC- India.

During the meeting, the Environmental Consultant presented the salient features of the project and informed that the site is an agricultural, Public Mining Site.

To a query by SEIAA, regarding the variation in depth of the mineable minerals as per EC application and as per approved DSR, the Environmental Consultant informed that the disparity in the depths of the mining sites as per the approved DSR (which is 2.70, 2.81 & 2.91 mtr respectively for Nazamwala 1, 2 & 3 sites but is 3m as per the EC applications based on the approved mining plans) is on account of the fact that the depth of top soil which is 0.3 mtr, 0.2 mtr and 0.1 mtr respectively for Nazamwala 1, 2 & 3 has been included in the total depth in the mine plans of the sites. After removal of this topsoil (which will be stored and relaid after completing the mining operations) the depth of mineable minor minerals is exactly as per the approved DSR. Undertaking in this regard was submitted during the meeting, which was taken on record.

To another query by SEIAA, Environmental Consultant informed that mining will be carried out @ 20,527 TPA in the 1<sup>st</sup> year and @20,828 TPA in the 2<sup>nd</sup> Year and the total mineable reserve is 41,355 MT, which was wrongly recorded in the minutes of SEAC meeting as 41,355 TPA.

Thereafter, the proposed EMP and additional environmental activities to be carried out under the project and outlays for the same were discussed and finalized as under:

**TABLE-1**

<b>Sr. No</b>	<b>Environment mitigation measure</b>	<b>Capital Cost (In Lacs)</b>	<b>Recurring Cost (Lacs/annum)</b>
1	Water Sprinkling Measures to be done on haul road to suppress dust & repair / maintenance of Haul Road and other Roads	50000	15,000
2	Plantation and maintenance of 155 saplings through State Forest Department under Green Punjab Mission:  Plantation cost 3.09 Ha x 50 saplings/Ha= 155 saplings @ Rs.1000 per sapling.	155000	75,000
3	Drinking water facility, Septic Tank & Mobile toilets and solid waste management	20,000	10,000
4	Safety equipment's such as gloves, mask, helmet, First aid kit etc.	30,000	7,000
5	Additional Environmental activities (Rs. 0.5 per MT of Total quantity 41355 *0.5)  (The amount may be deposited in GPM budget head of the Forest Department for utilization of the same for development of green area (s)/belt(s))	21,000	-
6	Regular health check-up camps for the workers engaged in mines shall be organized.	10,000	10,000
7	Environmental Monitoring (Air, Water Soil etc.).	30,000	5,000

<b>Total</b>	<b>3,16,000</b>	<b>1,22,000</b>
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To another query by SEIAA, the project proponent informed that all the conditions imposed by the SEAC while appraising the project are acceptable to them.

After detailed deliberations and examination of relevant documents, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for mining of minor minerals (Sand) at subject cited mining site for the total area of 3.09 Ha @20,527 TPA, which shall not exceed the total quantity of 41,355 MT at Village Nazamwala Tehsil Zira, District, Ferozepur, Punjab as per the details mentioned in the application, approved mining plan, District Survey Report and other documents and subsequent clarifications made by the project proponent and his consultation, proposed measures and subject to the conditions proposed by SEAC and following additional conditions:

**Additional Conditions:**

- I. Only manual method of mining will be permitted.
- II. The project proponent shall implement the EMP including AEA as per Table 1 above.
- III. The quantities of minor minerals already extracted (if any) in the earlier window(s) provided for commencing mining operations pending the grant of ECs shall be accounted for and included in the total quantity extracted vis-à-vis quantities permitted in the ECs.
- IV. Enhancement in the total quantity to be extracted can be approved by SEIAA only upon submission of credible replenishment study data.
- V. The project proponent shall deposit funds as proposed in EMP and AEA activities as mentioned in Table-1, in the following Greening Punjab Mission Budget head by 15.12.2023:

<b>Demand No.</b>	<b>32- Forestry and Wildlife</b>
<b>Major Head</b>	<b>0406 – Forestry and Wildlife</b>
Sub-Major Head	01 – Forestry
Minor Head	102- Receipts from Social and Farm Forestry
Sub-Head	03 – Green Punjab Mission
Detailed Head	01- Green Punjab Mission Fees

**Item No. 266.02: Application for Environmental Clearance for carrying out mining of minor minerals (sand) by Executive Engineer cum District Mining Officer, Drainage- cum-Mining & Geology Division, Water Resources Department, Rupnagar Division at Village-Malewal; Tehsil Distt. Rupnagar (SIA/PB/MIN/421294/2023).**

The Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, Rupnagar Division has applied for obtaining Environmental Clearance under category B2 and 1(a) of the Schedule appended with the EIA notification dated 14.09.2006 for carrying out mining of minor minerals (sand) at the mining site of Village-Malewal; Tehsil Distt. Rupnagar (SIA/PB/MIN/421294/2023).

The Department has deposited requisite fee of Rs. 9480/- vide reference no. CMS/001161290235 dated 06.03.2023 for obtaining Environmental Clearance for carrying out mining in the above mining site. The adequacy & deposition of the requisite fee by the applicant has been checked & verified by the supporting staff of SEIAA. The Mining Plan was approved by Assistant Geologist, Punjab vide Letter No. Glg/Pb/M.P/Malewal/342 dated 3.2.2023. The approval under FCA or NBWL is not applicable.

**Deliberations during 243<sup>rd</sup> meeting of SEAC held on 03.04.2023.**

The meeting was attended by the following:

- (i) Mr. Rupinder Singh, Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, Rupnagar Division, Rupnagar.
- (ii) Mr. Sandeep Garg, Environmental Consultant M/s Eco Laboratories Pvt Ltd.

The Committee allowed the Department & Environmental Consultant to present the salient features of the application proposals. Thereafter, the Environmental Consultant presented the cases as under:

Location of the site	Area (ha.)	Quantity proposed (MT)	Area of the Mining Lease (ha.)	Quantity from lease area (TPA)	Whether Site falls in any cluster, if yes (code/area)	Area of the leased-out area (ha.)	Quantity Leased (MT)
Village-Malewal, Tehsil Shri Chamkaur Sahib & District Rupnagar.	4.23	44863.31	4.74	52554	No	Nil	Nil

The Committee perused the application proposals of Drainage-cum-Mining & Geology Division, Water Resources Department, Rupnagar Division for carrying out mining of minor minerals (sand) at the aforementioned mining sites. The Committee observed that the mandatory information required to appraise the applications are missing and there are certain shortcomings in the application proposals which need to be rectified/provided.

After detailed deliberations, SEAC informed the proponent about these shortcomings in the proposal and decided to defer all the cases, till the receipt of the reply to the following observations made during the meeting.

- (i) The Department shall submit the synopsis/summary in an annotated form pertaining to the following mandatory information for each of the mining sites:
  - a) Category of the Project as per the EIA notification dated 14.09.2006.
  - b) Hadbast No. of the Village
  - c) Khasra No. of the proposed mining site as per DSR viz a viz Khasra no. of mining site as per proposal
  - d) Whether the mining area is less than area mentioned in the DSR, (If yes) the proposed mining area shall be earmarked in the KML file with different color.
  - e) Longitude & Latitude of the mining site.
  - f) Details of cluster formation
  - g) Affidavit from the land owner giving consent for carrying out mining. (In case of Pvt land)
  - h) Whether demarcation/erection of boundary pillars on the site has been done.
  - i) Status of clearance under Forest Conservation Act, 1980, Wildlife Protection Act 1972 as the case may be.
  - j) Salient features of approved mining plans
  - k) Method of mining
  - l) No. of workers on the site when fully operational
  - m) Total water requirement for domestic and other usage and its source
  - n) Waste water generation and its disposal
  - o) Information regarding nos of truck/trollies per day for carrying the excavated material on the proforma prescribed in the DSR and map showing the transportation route with proper earmarking of katcha,pakka road and ROW.
  - p) Activities to be undertaken under EMP along with its cost.
  - q) Whether any Litigation is pending against the proposed mining site, if yes the details, thereof, be provided.

- (ii) The Department shall provide details pertaining to No. of trees, if any, to be felled for carrying out mining activity.
- (iii) The Department shall earmark, on the KML file, the distance from the habitation area from sand mining site. The Department shall certify that the same is in consonance with the existing guidelines allowing the Department for carrying out the mining near the habitation area.
- (iv) The Department shall earmark, on the KML file, the distance from the minor/major bridges up to the nearest boundary of sand mining site.
- (v) In case, the proposed mining site does not include in a cluster, the Department shall earmark on the KML file, the distance from the nearest mining site.
- (vi) The Department shall outline the environmental impact of the mining operations carried out at site. The Department shall also mention the mitigation measures proposed for mitigating the environmental impacts
- (vii) The Department/Project Proponent shall include in the EMP, the additional environmental activities to be undertaken by incurring expenditure @ Rs. 0.50/ton of the total quantity permitted for mining in ECs in case of manual mining and @ Rs. 1.50/ton in case of semi-mechanized mining. Any of the following additional environmental activities may be undertaken as a part of EMP:
  - a. Developing mini forests (Nanak Bagichi), urban forests, green belts, biodiversity parks etc., raising of avenue plantations and plantations in public/community areas/ educational institutions/Govt. buildings/banks of rivers/cantonment areas or any other land made available by the Govt. agencies and other institutions either by the Project Proponent itself or through the State Forest Department.
  - b. Cleaning and rejuvenating village ponds, water bodies, wetlands, storm drains etc. (treatment of village sewer pond using PPCB and other approved scientific models), such as: (i) Action Plan for Rejuvenation of Ponds (<https://ppcb.punjab.gov.in/sites/default/files/documents/Action-Plan-forRejuvenation-of-Ponds-31.03.20.pdf>) (ii) Guidelines for restoration of Water Bodies (<https://ppcb.punjab.gov.in/sites/default/files/documents/Indicative%20Guidelines%20for%20Restoration%20of%20Water%20Bodies%20by%20CPCB.pdf>), and (iii) Technical Committee Report on wastewater treatment (<https://ppcb.punjab.gov.in/sites/default/files/documents/Report%20of%20Technical%20Committee%20For%20Treatment%20of%20wastewater%20of%20Village%20Pond.pdf>)
  - c. Developing infrastructure for (i) Utilizing treated effluent of STPs (double plumbing, construction work roadside sprinkling (ii) Reusing STP/ETP sludge as farmyard manure (FYM) or 'other activities approved by CPCB/PPCB/MoEF&CC, and (iii) Replacing soakage pits and/or providing septic tanks in government education institutions and other government buildings/projects.

- d. Provisioning solar panels/lights and other energy saving electric devices/equipment's including LED bulbs etc. in the government/municipal/other public schools, hospitals and dispensaries etc. or in other public buildings.
- e. Provisioning Roof top rainwater harvesting (RWH) and other water/groundwater conservations activities in the government/ municipal/ other public schools, hospitals and dispensaries etc. or in other public buildings.
- f. Provisioning Solid waste management including composting/vermi-composting, authorized approaches of reuse & recycle, Material Recovery Facility (MRF) to reach zero waste condition, etc.
- g. Developing and establishing alternatives to the single use plastic (SUP) and plastic carry bags.
- h. Ameliorating air, water, soil & noise pollution as prescribed in the applicable District Environment Plan (DEP) <https://decc.punjab.gov.in/> where gaps exist and which are not the statutory responsibility of government departments / agencies, including need based environmental activities as proposed by the project proponent/their accredited consultants based on site-specific field surveys of the project and nearby areas and approved by SEIAA/SEAC/PPCB.
- i. Preparing Peoples Biodiversity Register (PBR) at all levels (District, block & village) and conserving state's biodiversity heritage sites (BHS), Eco zones, Hotspots, Wildlife & bird sanctuaries, etc.
- j. Organizing environmental awareness activities/celebrations/programmes, preparing and distributing resource material for abatement and control of pollution and restoration of environment of Punjab and approved by SEIAA/SEAC/PPCB/academic experts.
- k. Suppressing dust by using vacuum cleaners, sprinklers, fountains, misting machines/vehicles/artificial rain etc.
- l. Managing waste in scientific and environmentally sound manner including establishment of recovery facilities of e-waste, construction and demolition waste, plastic waste, toxic/hazardous waste, bio-medical waste, industrial wastes, dairy/Gaushala waste etc.
- m. Promoting and developing eco-tourism areas/activities, green buildings, agriculture diversity, organic/natural farming/herbal/medicinal/botanical gardens, electric vehicles, cleaner fuels, biodegradable materials, etc.
- n. Controlling and managing (In-situ/Ex-situ) stubble burning (Parali) in Punjab.
- o. Developing clean and innovative technologies for reducing water, air and solid waste pollutants including reuse and recycling of resource materials.
- p. Restoration of damage to link road/village road due to mining activity.

**Deliberations during 244<sup>th</sup> meeting of SEAC held on 17.04.2023.**

The meeting was attended by the following:

- (i) Mr. Rajat Grover, District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, Rupnagar & Anandpur.
- (ii) Mr. Sandeep Garg, Environmental Consultant M/s Eco Laboratories Pvt Ltd.

SEAC allowed the Department & Environmental Consultant to present the ADS reply of the observations raised by SEAC in its 243<sup>rd</sup> meeting of SEAC held on 03.04.2023. Thereafter, the Environmental Consultant presented the salient features of the mining site as under:

### 1. Brief Summary of the Sand Mining Project Malewal (Distt. Rupnagar)

i)	Name of Applicant & Correspondence address:  Mobile No: Email ID:	Rupinder Singh Pabla XEN/DMO, Drainage-cum-mining and Geology Division, WRD, Punjab, Room No. 145, D.C. Complex, Mini Secretariat, Rupnagar, 9878688998
ii)	Name of Environmental Consultant Mobile No. Email ID	<b>Eco Paryavaran Laboratories &amp; Consultants Pvt. Ltd.</b>  <b>9814003103, 0172461622</b>  <a href="mailto:md@ecoparyavaran.org">md@ecoparyavaran.org</a>
iii)	Online Proposal No.	<b>SIA/PB/MIN/421294/2023</b>
iv)	Project Name & Location	RBM Sand Mining Project Village: Malewal Tehsil- Shri Chamkaur Sahib District- Rupnagar, State Punjab
v)	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	1(a) Mining of Minor Minerals

### 2. Details of the mining project are as under:

S.No.	Item	Details
a.	Category of the Project as per the EIA notification dated 14.09.2006	B2
b.	Hadbast No. of the Village	107



c.	Khasra No. of the proposed mining site as per DSR viz a viz Khasra no. of mining site as per proposal	107-20//19, 20, 21, 22, 107-21//6/1, 7, 14, 15, 16, 17, 25, 107-23//2,107-24//3, 4, 7, 108-53//6, 108-53//4, 5																																																			
d.	Whether the mining area is less than area mentioned in the DSR, (If yes) the proposed mining area shall be earmarked in the KML file with different color.	NO																																																			
d.1	Area details as per Mining plan and as per DSR	4.74 ha as per proposal and 4.23 ha as per DSR																																																			
e.	Longitude & Latitude of the mining site																																																				
	<table border="1"> <thead> <tr> <th colspan="3">PIT 1</th> </tr> <tr> <th>Pillar No.</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>30°57'38.18"N</td> <td>76°22'39.71"E</td> </tr> <tr> <td>2</td> <td>30°57'37.34"N</td> <td>76°22'42.84"E</td> </tr> <tr> <td>3</td> <td>30°57'36.45"N</td> <td>76°22'42.84"E</td> </tr> <tr> <td>4</td> <td>30°57'36.43"N</td> <td>76°22'44.22"E</td> </tr> <tr> <td>5</td> <td>30°57'34.47"N</td> <td>76°22'44.20"E</td> </tr> <tr> <td>6</td> <td>30°57'34.41"N</td> <td>76°22'49.24"E</td> </tr> <tr> <td>7</td> <td>30°57'29.32"N</td> <td>76°22'49.17"E</td> </tr> <tr> <td>8</td> <td>30°57'30.11"N</td> <td>76°22'46.65"E</td> </tr> <tr> <td>9</td> <td>30°57'30.53"N</td> <td>76°22'46.66"E</td> </tr> <tr> <td>10</td> <td>30°57'30.53"N</td> <td>76°22'45.32"E</td> </tr> <tr> <td>11</td> <td>30°57'31.66"N</td> <td>76°22'41.86"E</td> </tr> <tr> <td>12</td> <td>30°57'33.08"N</td> <td>76°22'40.93"E</td> </tr> <tr> <th colspan="3">PIT-II</th> </tr> <tr> <td>1</td> <td>30°57'30.35"N</td> <td>76°23'1.82"E</td> </tr> <tr> <td>2</td> <td>30°57'30.35"N</td> <td>76°23'4.51"E</td> </tr> </tbody> </table>		PIT 1			Pillar No.	Latitude	Longitude	1	30°57'38.18"N	76°22'39.71"E	2	30°57'37.34"N	76°22'42.84"E	3	30°57'36.45"N	76°22'42.84"E	4	30°57'36.43"N	76°22'44.22"E	5	30°57'34.47"N	76°22'44.20"E	6	30°57'34.41"N	76°22'49.24"E	7	30°57'29.32"N	76°22'49.17"E	8	30°57'30.11"N	76°22'46.65"E	9	30°57'30.53"N	76°22'46.66"E	10	30°57'30.53"N	76°22'45.32"E	11	30°57'31.66"N	76°22'41.86"E	12	30°57'33.08"N	76°22'40.93"E	PIT-II			1	30°57'30.35"N	76°23'1.82"E	2	30°57'30.35"N	76°23'4.51"E
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		4	30°57'26.82"N	76°23'9.34"E	
		5	30°57'29.24"N	76°23'1.79"E	
f.	Details of cluster formation	No cluster is formed			
g.	Affidavit from the land owner giving consent for carrying out mining. (In case of Pvt land)	Land NOC submitted			
h.	Whether demarcation/erection of boundary pillars on the site has been done.	Demarcation done on 24-12-2022. Copy of demarcation report submitted.			
i.	Status of clearance under Forest Conservation Act, 1980, Wildlife Protection Act 1972 as the case may be	No forest land is involved. Further, site does not fall in the eco-sensitive zone of wildlife sanctuary and conservation reserves.			
j.	Salient features of approved mining plans	Date of approval-		03-02-2023	
		Total Quantity-157662 tonnes			
k.	Method of mining	Semi-mechanized			
l.	No. of workers on the site when fully operational	28			
m.	Total water requirement for domestic and other usage and its source	Domestic: 1.3 KLD Dust Suppression: 1.4 KLD Total: 2.70 KLD			
n.	Waste water generation and its disposal	Approx. 1.04 KLD of domestic waste water will be generated which will be treated in proposed septic tank, overflow of which will be used for green area.			
o.	Information regarding nos of truck/trollies per day for carrying the excavated material on the proforma prescribed in the DSR and map showing the transportation route with proper earmarking of katcha, pakka road and ROW.	20 Tractor trollies per day Transportation route map submitted.			

p.	Activities to be undertaken under EMP along with its cost.	<b>S. No.</b>	<b>Description</b>	<b>Total Cost to be Incurred (in Rs)</b>
		1	Water Sprinkling Measures	50,000
		2	Haul Road and other Roads Repair	50,000
		3	Greenbelt Development (with tree guards)	63,500
		4	CER/CSR	2,36,500
			<b>TOTAL</b>	<b>4,00,000</b>
q.	Whether any Litigation is pending against the proposed mining site, if yes the details, thereof, be provided.	No litigation is pending against the proposed mining site		

i)	The Department shall provide details pertaining to No. of trees, if any, to be felled for carrying out mining activity.	No trees would be felled during mining activity
ii)	The Department shall earmark, on the KML file, the distance from the habitation area from sand mining site. The Department shall certify that the same is in consonance with the existing guidelines allowing the Department for carrying out the mining near the habitation area.	Distance from nearest habitation is 1Km.
ii)	The Department shall earmark, on the KML file, the distance from the minor/major bridges	Distance from Minor Bridge 6.27 towards South East Distance from Major Bridge 10.86 km towards north east.

	up to the nearest boundary of sand mining site.																
iv)	In case, the proposed mining site does not include in a cluster, the Department shall earmark on the KML file, the distance from the nearest mining site.	Distance from the nearest mining site ADB Rail 6.83 Km towards North-east.															
v)	The Department shall outline the environmental impact of the mining operations carried out at site. The Department shall also mention the mitigation measures proposed for mitigating the environmental impacts	The key impact areas for mining operations are: Air, land, water, noise etc. Impacts identified for the said mining site along with the proposed mitigation measures submitted.															
vi)	The Department/Project Proponent shall include in the EMP, the additional environmental activities to be undertaken by incurring expenditure @ Rs. 0.50/ton of the total quantity permitted for mining in ECs in case of manual mining and @ Rs. 1.50/ton in case of semi-mechanized mining. Any of the following additional environmental activities may be undertaken as a part of EMP:	<table border="1"> <thead> <tr> <th>S. No</th> <th>Proposed Activities</th> <th>Capital Cost (in Rs.)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Environmental Awareness Programmes</td> <td>1,00,000</td> </tr> <tr> <td>2</td> <td>Solar lights installation in village-Aalawal (15 No.)</td> <td>80,000</td> </tr> <tr> <td>3</td> <td>Construction of RWH pit at Government Primary School, Aalawal</td> <td>56,500</td> </tr> <tr> <td colspan="2" style="text-align: center;"><b>Total</b></td> <td><b>2,36,500</b></td> </tr> </tbody> </table>	S. No	Proposed Activities	Capital Cost (in Rs.)	1	Environmental Awareness Programmes	1,00,000	2	Solar lights installation in village-Aalawal (15 No.)	80,000	3	Construction of RWH pit at Government Primary School, Aalawal	56,500	<b>Total</b>		<b>2,36,500</b>
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		<b>Total</b>		<b>2,36,500</b>													

After detailed deliberations, SEAC decided to defer the case till the reply of the below mentioned observations.

- (i) The Department shall submit the copy of the NOC (Affidavit) of the land, duly attested by the Notary Public.
- (ii) The Department shall submit the revised details of the land area bearing khasra no. for the proposed mining site.
- (iii) The Department shall submit the revised EMP by including activities such as water sprinkling on the haulage/link road to mitigate the dust emissions, construction of

temporary toilets and septic tank for the workers, solid waste management, green belt development etc.

- (iv) The Department shall submit the details of the length of metalled & unmetalled (katcha) road along with their width, proposed to be used for transporting the excavated material from the mining site.
- (v) The Department shall submit the photographs of the site duly indicating demarcation with boundary pillars and submit DGPS Map showing the coordinates of each corner of the site.

**Deliberations during 252nd meeting of SEAC held on 17.07.2023.**

The meeting was attended by the following:

- (i) Mr. Sukhpal Singh, SDO, Drainage-cum-Mining & Geology Division, Water Resources Department, Rupnagar.
- (ii) Mr. Sandeep Garg, Environmental Consultant, M/s Eco Laboratories Pvt Ltd.

The Committee allowed the Department & Environmental Consultant to present the reply of the aforementioned observations. Thereafter, the Environmental Consultant presented the reply as under:

Sr. No	Observation	Reply							
1.	The Department shall submit the copy of the NOC (Affidavit) of the land, duly attested by the Notary Public.	Submitted.							
2.	The Department shall submit the revised details of the land area bearing khasra no. for the proposed mining site	<table border="1"> <thead> <tr> <th data-bbox="288 1503 711 1592">Khasra No.</th> <th data-bbox="711 1503 951 1592">Area as per DSR</th> <th data-bbox="951 1503 1398 1592">Area as per mining plan (Ha.)</th> </tr> </thead> <tbody> <tr> <td data-bbox="288 1592 711 1816">107-20//19, 20, 21, 22, 107-21//6/1, 7, 14, 15, 16, 17, 25, 107-23//2, 107-24//3, 4, 7, 10853//6, 108-53//4, 5</td> <td data-bbox="711 1592 951 1816">10.83</td> <td data-bbox="951 1592 1398 1816">4.74</td> </tr> </tbody> </table>	Khasra No.	Area as per DSR	Area as per mining plan (Ha.)	107-20//19, 20, 21, 22, 107-21//6/1, 7, 14, 15, 16, 17, 25, 107-23//2, 107-24//3, 4, 7, 10853//6, 108-53//4, 5	10.83	4.74	
Khasra No.	Area as per DSR	Area as per mining plan (Ha.)							
107-20//19, 20, 21, 22, 107-21//6/1, 7, 14, 15, 16, 17, 25, 107-23//2, 107-24//3, 4, 7, 10853//6, 108-53//4, 5	10.83	4.74							

3.	The Department shall submit the revised EMP by including activities such as water sprinkling on the haulage/link road to mitigate the dust emissions, construction of temporary toilets and septic tank for the workers, solid waste management, green belt development etc.																						
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S. No	Description	Total Cost to be Incurred (in Rs)																					
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	TOTAL	<b>9,58,500</b>																					
4	The Department shall submit the details of the length of metalled & unmetalled (katcha) road along with their width, proposed to be used for transporting the excavated material from the mining site.	Submitted.																					
5	The Department shall submit the photographs of the site duly indicating demarcation with boundary pillars and submit DGPS Map showing the coordinates of each corner of the site.	Submitted.																					

The Committee observed that the amended DSR of District Rupnagar has been submitted by the Department to SEIAA and the same is recommended by the SEAC for approval. Therefore, the case cannot be decided in absence of the approved DSR of District Rupnagar.

After detailed deliberations, SEAC decided to defer the case till the Department submitted the approved & amended DSR of District Rupnagar.

The Project Proponent has submitted reply of the aforementioned observation raised by SEAC in its 252<sup>nd</sup> meeting of SEAC held on 17.04.2023.

**Deliberations during 259th meeting of SEAC held on 14.09.2023.**

The meeting was attended by the following:

- (i) Mr. Paras Mahajan, Asst. Geologist.
- (ii) Mr. Sukhpal Singh, SDO, Drainage-cum-Mining & Geology Division, Water Resources Department, Rupnagar.
- (iii) Ms. Harman Kaur, Environmental Consultant, M/s Eco Laboratories Pvt Ltd.

During meeting, the Committee observed that the details of the proposed mining site w.r.t mining area of 4.74 Ha are not matching with the details mentioned in the approved DSR of District Roopnagar. The Project Proponent could not clarify the queries raised by the Committee. After detailed deliberations, SEAC decided to defer the case till the reply of the below mentioned observations:

- i) The Project Proponent shall match the details of proposed mining site with the approved DSR.
- ii) The Project Proponent shall submit the layout plan by superimposing the proposed mining area with the area approved in the DSR in different colors.
- iii) The Project Proponent shall provide the details in the proforma as prescribed by SEIAA.
- iv) The Project Proponent shall submit a certificate certifying that NOC for the Land bearing Khasra No. of the mining area as per the proposal has been duly received from the concerned land owners, demarcated on site and are in consonance with the latest revenue records of the village.



**Deliberations during 264th meeting of SEAC held on 23.10.2023.**

The meeting was attended by the following:

- (i) Mr. Paras Mahajan, Asst. Geologist.
- (ii) Mr. Navneet Singh, SDO, Drainage-cum-Mining & Geology Division, Water Resources Department, Rupnagar.
- (iii) Ms. Harman Kaur, Environmental Consultant, M/s Eco Laboratories Pvt Ltd.

The Committee allowed the Environmental Consultant to present the reply of the aforementioned observations. Thereafter, the Environmental Consultant presented the reply as under:

Sr. no	Observation	Reply

1	The Project proponent shall match the details of proposed mining site with the approved DSR.	The Project Proponent has submitted snapshot of the mining area of the proposed site in the approved DSR. As per the Annexure-V of the approved DSR, the proposed mining site falls at Serial No. 3 and SerialNo. 33 making total area of 15.06 Ha
2	The Project proponent shall submit the layout plan by superimposing the proposed mining area with the area approved in the DSR in different colors.	<p>ENCLOSURE-2</p>  <p>PIT-1</p>  <p>PIT-II</p> <ul style="list-style-type: none"> <li>• RED LINE (Area 1.27 Ha) – PROPOSED AREAD AS PER MININGPLAN</li> <li>• BLUE LINE (Area 3.47 Ha) –AS PER DSR</li> </ul> <p>The area of the proposed mining site (4.74 Ha) falls within the area approved in the DSR (15.06 Ha).</p>



3	The Project Proponent shall provide the details in the performa as prescribed by SEIAA	Submitted.
4	The Project Proponent shall submit a certificate certifying that NOC for the Land bearing Khasra No. of the mining area as per the proposal has been duly received from the concerned land owners, demarcated on site and are in consonance with the latest revenue records of the village.	Submitted.

Further, in compliance to observation at point no. 3, the Department has submitted the details of the case in the format prescribed by SEIAA as under:

S.No.	Item	Details
1.	Online Proposal No. and date of submission	SIA/PB/MIN/421294/2023
2.	Project Name & Location	RBM Sand Mining Project Village: Malewal Tehsil- Shri Chamkaur Sahib District- Rupnagar, State Punjab
3	Name of the Applicant, Designation Mobile no. & Email Id	Rupinder Singh Pabla XEN/DMO, Drainage-um-mining and Geology Division, WRD, Punjab, Room No. 145, D.C. Complex, Mini Secretariat, Rupnagar,

		9878688998 <a href="mailto:rupinder.p@punjab.gov.in">rupinder.p@punjab.gov.in</a>			
4	Name of Environmental Consultant, Mobile no. & Email Id	<b>Eco Paryavaran Laboratories &amp; Consultants Pvt. Ltd.</b> <b>9814003103, 0172461622,</b> <a href="mailto:md@ecoparyavaran.org">md@ecoparyavaran.org</a>			
5	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	1(a) Mining of Minor Minerals			
6	Details of Mining Lease	Public Mining site			
i)	Mineral (s) to be mined	1) Sand			
ii)	Method of mining	Manual			
iii)	Agriculture land or River/choe mining. In case of River/Choe mining, name of the River/Choe to be specified.	River Bed Mining site			
iv)	a. Capacity of Mine as per the EC application/DSR/Mining plan in MT and TPA	Description	As per the EC application	As per the approved DSR	As per the Mining Plan
		Mine Capacity in MT	157662	290984.4	157662
	b. Area of the Mine as per EC application/DSR/Mining plan	Mine Capacity in TPA	52554	----	52554
		Mining Area	4.74 Ha	15.06	4.74 Ha
	c. Depth of mining as per EC application/DSR/Mining plan	Maximum Depth of Mining in m	1.65 m	1.65 m	1.65 m
		Note: EC cannot be appraised more than quantity and area mentioned in the approved DSR			

v)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt. where applicable		The State Govt through Department of Mines and Geology has proposed to carry out mining through concerned Executive Engineer/ DMO.																																								
7	Details of Final District Survey Report		Approved by: - SEIAA Reference No.: SEIAA/MS/2023/1086 Date of Issue: - 17/08/2023 Mining Lease Area: 4.74 Mining Quantity: 52554 TPA of sand Mining Depth: 1.65 m Annual rate of replenishment as per the study conducted																																								
8	HadBast No.		107-108																																								
9	Land Khasra No. & their consent details																																										
	Sr No	Type	Khasra No	Consent detail provided (Yes/No)																																							
	1	Govt Land	-	-																																							
	2	Private Land	107-20//19, 20, 21, 22, 107-21//6/1, 7, 14, 15, 16, 17, 25, 107- 23//2,107-24//3, 4, 7, 108-53//6,108-53//4, 5	yes																																							
10	Latitude & Longitude																																										
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		12	30°57'33.08"N	76°22'40.93"E	
		<b>PIT-II</b>			
		1	30°57'30.35"N	76°23'1.82"E	
		2	30°57'30.35"N	76°23'4.51"E	
		3	30°57'29.48"N	76°23'9.41"E	
		4	30°57'26.82"N	76°23'9.34"E	
		5	30°57'29.24"N	76°23'1.79"E	
11	Whether the project attracts the General Condition. (Yes/No). In case of Yes, Please specified the reason.	No			
12	Does the project involve diversion offorest land? If yes, a. Extent of the forest land. b. Status of the forest clearance.If No, submit documentary proof	No			
13	Does the project fall of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, application submitted to NBWL.	No			
14	Cost of the project	Rs. 2,20,72,680/-			
15	Environmental Clearance. Fee details	Rs. 9880/- vide reference no. N0202304610646 dated27.01.2023			
16	Certificate to be provided by DMO, that the proposal is as per the Annexure-V of DSR.	Certificate No: Not Attached Date:17/11/2022			
17	Demarcation report of mining site	Date of demarcation: Nos of Burjis made: 0 Nos Photographs submitted: No Signed by: 1) Name and Designation: Mining will start only after erection of geo-taggedPucca pillars			
18	Workers (when fully operational)	06 Persons.			

19	Water Requirements & source	Domestic: 1.3 KLD Dust Suppression: 1.4 KLD Total: 2.70 KLD Ground water/Others: 01 Borwell		
20	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water: 1.04 KLD(80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal: a) Plantation purpose.: 1.04 KLD b) Any other purpose: 0 KLD		
21	Solid waste generation and its disposal	i) Quantity: 5.6 Kg ii) Method of Disposal: Dustbins  Solid waste will be disposed as per Solid Waste Management Rules, 2016.		
22	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting (if any): 0 Nos No of plant to be planted: 250 Nos Funds Allocated: Rs 2.50 lacs towards capital cost and Rs 1.0 Lacs towards recurring cost. ( Rs 1000/- per tree as capital cost and Rs 1000/- per tree as maintenance cost)		
23	Rain Water Harvesting & recharging proposal	Not applicable		
24	Environment Management Plan along with Budgetary breakup and responsibility to implement	XEN/DMO Rupnagar, will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.		
25				
	<b>Sr.No</b>	<b>Environment mitigation measure</b>	<b>Capital Cost (In Lacs)</b>	<b>Recurring Cost (Lacs/annum )</b>

	1	Water Sprinkling Measures to be done on haulroad to suppress dust & Haul Road and other Roads Repair and maintenance	1,00,000	50,000
	2	Plantation and maintenance of 171 saplings through State Forest Department under Green Punjab Mission:  Plantation cost 4.74 Ha x 50 saplings/Ha= saplings @ Rs.1000 per sapling.	2,37,000	0
	3	Drinking water facility, Septic Tank & Mobiletoilets and solid waste management	65,000	10,000
	4	Safety equipment's such as gloves, mask, helmet, First aid kit etc.	19,000	7,000
	5	Additional Environmental activities (Rs. 0.5 perMT of Total quantity 157662*0.5)  (The amount may be deposited to Forest Department for utilization of the same for development of greenarea(s)/belt(s))	78,831	0
	6	Regular health check-up camps for the workersengaged in mines shall be organized.	10,000	10,000
	7	Environmental Monitoring (Air, Water Soil etc.).	50,000	20,000
	<b>Total</b>		<b>5,59,831</b>	<b>97,000</b>
26	<b>Additional Environmental Activities (AEA) activities along with budgetary break up and responsibility</b>  XEN/DMO, Rupnagar will be responsible for implementation of Additional Environmental Activities (AEA). As the project having minable Quantity 157662 MT, The project proponent has proposed to spent Rs 78,831/- (i.e @ Rs 0.50 per Ton) for AEA activities. It was proposed to spent the said amount on the followings: -			
27	An undertaking pertaining to the following facts submitted:  i) No court case/litigation is pending before any court of Law against the project and/orland in which the project is proposed to be set up.  ii) During the lease period, the deposit will be worked from the top surface to 1.65m orabove ground water table, whichever comes first.			

iii)	No Stream Mining shall be allowed. The operation will be done only from sun rise to sun set hence there will be no power requirement for the project at site.
iv)	All the activities will be carried out manually using hand tools like shovel, pan, sieve etc.
v)	In case of semi mechanized method allowed, Justification for the same must be given indicating its benefits over the manual method.
vi)	An undertaking submitted to the effect that no Cluster formation of mining site exists as no other mining site falls within a radius of 500 m from the periphery of proposed site

The Committee perused the reply of the observations raised by SEAC and was satisfied with same.

After detailed deliberations, SEAC decided to forward the application proposal to SEIAA with the recommendation to grant Environment Clearance under EIA Notification dated 14.09.2006 for carrying out mining of minor minerals (sand) in the area of 4.74 Ha for the quantity of 52554 TPA, which shall not exceed the quantity of 179578 MT as per the approved DSR at Village Malewal, Tehsil & District Rupnagar, subject to the conditions attached as **Annexure-2**.

#### **Deliberations during 266<sup>th</sup> meeting of SEIAA held on 02.11.2023.**

The case was considered by SEIAA in its 266<sup>th</sup> meeting held on 02.11.2023 which was attended by the following:

- (i) Sh. Khushwinder Singh, Executive Engineer, Department of Mines and Geology.
- (ii) Sh. Paras Mahajan, Assistant Geologist and other officers from Head Office of the Mining Department.
- (iii) Sh. Navneet Singh, SDO, Chamkaur Sahib, Department of Mines and Geology.
- (iv) Ms. Harmanpreet Kaur, Environmental Consultant from ECO Paryavaran Lab & Consultants.

During the meeting, the Environmental Consultant presented the salient features of the project and informed that the site is a river bed public mining site.

Thereafter, the proposed EMP and additional environmental activities to be carried out under the project and outlays for the same were discussed and finalized as under:

**TABLE-1**

<b>Sr. No</b>	<b>Environment mitigation measure</b>	<b>Capital Cost (In Lacs)</b>	<b>Recurring Cost (Lacs/annum)</b>
1	Water Sprinkling Measures to be done on haul road to suppress dust and Repair /	3,00,000	80,000

	maintenance of Haul road and other Roads		
2	Plantation and maintenance of 237 saplings through State Forest Department under Green Punjab Mission: Plantation cost 4.74 Ha x 50 saplings/Ha= 237 saplings @ Rs.1000 per sapling.	2,37,000	65,000
3	Drinking water facility, Septic Tank & Mobile toilets and solid waste management	1,20,000	30,000
4	Safety equipment's such as gloves, mask, helmet, First aid kit etc.	50,000	30,000
5	Additional Environmental activities (Rs. 0.5 per MT of Total quantity 1,57,662 *0.5) (The amount may be deposited under GPM budget head of the Forest Department for utilization of the same for development of green area (s)/belt(s))	78,831	-
6	Regular health check-up camps for the workers engaged in mines shall be organized.	60,000	30,000
7	Environmental Monitoring (Air, Water Soil etc.).	1,50,000	80,000
<b>Total</b>		<b>9,95,831</b>	<b>3,15,000</b>

To another query by SEIAA, the project proponent informed that all the conditions imposed by the SEAC while appraising the project are acceptable to them.

After detailed deliberations and examination of relevant documents, SEIAA decided to accept the recommendations of SEAC and grant Environmental Clearance for mining of minor minerals (Sand) at subject cited mining site for the total area of 4.74 Ha @52,554 TPA, which shall not exceed the total quantity of 1,57,662 MT at Village Malewal, Teshil and District Rupnagar, Punjab as per the details mentioned in the application, approved mining plan, District Survey Report and other documents and subsequent clarifications made by the project proponent and his consultation,



proposed measures and subject to the conditions proposed by SEAC and following additional conditions:

**Additional Conditions:**

- I. Only manual method of mining will be permitted.
- II. The project proponent shall implement the EMP including AEA as per Table 1 above.
- III. The quantities of minor minerals already extracted (if any) in the 3-month window provided for commencing mining operations pending the grant of ECs shall be accounted for and included in the total quantity extracted vis-à-vis quantities permitted in the ECs.
- IV. Enhancement in the total quantity to be extracted can be approved by SEIAA only upon submission of credible replenishment study data.
- V. The project proponent shall deposit funds as proposed in EMP and AEA activities as mentioned in **Table-1**, in the following Greening Punjab Mission Budget head by 15.12.2023:

<b>Demand No.</b>	<b>32- Forestry and Wildlife</b>
<b>Major Head</b>	<b>0406 – Forestry and Wildlife</b>
Sub-Major Head	01 – Forestry
Minor Head	102- Receipts from Social and Farm Forestry
Sub-Head	03 – Green Punjab Mission
Detailed Head	01- Green Punjab Mission Fees