

Proceedings of 261st meeting of State Expert Appraisal Committee (SEAC) held on 26.09.2023 at 11:00 AM in the Room No. 311 in the DECC Office, MGSIPA Complex, Sector-26, Chandigarh.

Following were present:

Sr. No.	Name of SEAC Member	Designation in SEAC
1.	Er. Yogesh Gupta	Chairman
2.	Sh. Pardeep Garg	Member Secretary
3.	Sh. K.L Malhotra	Member
4.	Sh. Anil Kumar Gupta	Member
5.	Sh. Sunil Mittal	Member (Through VC)
6.	Sh. Satish Kumar Gupta	Member (Through VC)
7.	Sh. Pawan Krishan	Member (Through VC)
8.	Sh. Parminder Singh Bhogal	Member
9.	Sh. Preet Mohinder Singh Bedi	Member (Through VC)

Item No. 261.01: Application for Environmental Clearance for carrying out mining of minor minerals (sand) at Village Kaila, Tehsil Dharamkot, District Moga, Punjab, by Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, Ferozepur. (Proposal No. SIA/PB/MIN/438245/2023).

The Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, Ferozepur 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 Kaila (**Agriculture site**), Tehsil Dharamkot, District Moga, Punjab.

The Department has deposited requisite fee of Rs. 5800/- dated 25.07.2023 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/Kaila /1965 dated 20.07.2023.

Deliberations during 256th meeting of SEAC held on 21.08.2023.

The meeting was attended by the following:

- (i) Mr. Paras Mahajan, Asst. Geologist.
- (ii) Sh. Lovpreet Singh, SDO, Department of Mining & Geology.
- (iii) Dr. KL Satapathy, Environmental Consultant, M/s GRC India.

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

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	DMO Moga Office Of Executive Engineer/Ferozepur Drainage-Cum-Mining & Geology Water Resources Department, Punjab 89-Jhoke Road, Ferozepur 8146687777 xengolewala@rediffmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	Grass Roots Research and Creation (P) Ltd. 0120-4044630 info@grc-india.com

iii)	Online Proposal No.	SIA/PB/MIN/438245/2023
iv)	Project Name & Location	Kaila Sand Mining Project Village: Kaila Tehsil- Dharamkot District- Moga, Punjab
v)	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	1(a) Mining of Minor Minerals

1.0 The details of the mining project are as under:

Sr. No.	Item	Details			
i.	Category of the Project as per the EIA notification dated 14.09.2006	B2			
ii.	Hadbast No. of the Village	247			
iii.	Details of Khasra No. as under:				
	Khasra No. as per proposal	Khasra No. as per DSR	Khasra No. as per consent of land	Name of owner of the land as per land NOC, DSR and Jamabandi	
	3//20/2, 21, 22, 4//25, 13//1/2, 4, 5/2, 8, 15, 14//11	Not Mentioned	3//20/2, 21, 22, 4//25, 13//1/2, 4, 5/2, 8, 15, 14//11	Satnam Singh Kulwinder Singh Makhan Singh	
	The proposed site is a public mining site.				
iv.	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			
v.	i. Area & Quantity details as per Mining plan and proposal	Area as per Mine Plan – 2.90 Ha. Quantity as per Approved Mine Plan - 41054 TPA			
	ii. Area and permissible	Area as per DSR – 9.77 Ha. Quantity as per Approved DSR – 234245.52 TPA			

	quantity details as per DSR																																																																																																				
vi.	Details as per Mining plan	Approved by: Assistant Geologist, Punjab bearing Letter no Glg/Pb/M.P/Kaila/1965. Date of Approval: 20.07.2023 Approved Mining Lease Area: 2.90 Ha. Approved Mining Quantity: 41054 TPA Depth of Mining (m): 1 m																																																																																																			
vii.	Longitude & Latitude of the mining site	<table border="1"> <thead> <tr> <th>Pillar No.</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td colspan="3" style="text-align: center;">Block-I</td> </tr> <tr> <td>1.</td> <td>30°59'6.05"N</td> <td>75°13'53.67"E</td> </tr> <tr> <td>2.</td> <td>30°59'6.04"N</td> <td>75°13'56.03"E</td> </tr> <tr> <td>3.</td> <td>30°59'5.19"N</td> <td>75°13'56.06"E</td> </tr> <tr> <td>4.</td> <td>30°59'5.14"N</td> <td>75°13'53.69"E</td> </tr> <tr> <td colspan="3" style="text-align: center;">Block-II</td> </tr> <tr> <td>5.</td> <td>30°59'4.78"N</td> <td>75°13'58.77"E</td> </tr> <tr> <td>6.</td> <td>30°59'4.85"N</td> <td>75°14'1.12"E</td> </tr> <tr> <td>7.</td> <td>30°59'2.95"N</td> <td>75°14'1.22"E</td> </tr> <tr> <td>8.</td> <td>30°59'2.90"N</td> <td>75°13'58.81"E</td> </tr> <tr> <td colspan="3" style="text-align: center;">Block-III</td> </tr> <tr> <td>9.</td> <td>30°59'5.03"N</td> <td>75°14'1.45"E</td> </tr> <tr> <td>10.</td> <td>30°59'6.85"N</td> <td>75°14'1.49"E</td> </tr> <tr> <td>11.</td> <td>30°59'6.84"N</td> <td>75°14'3.47"E</td> </tr> <tr> <td>12.</td> <td>30°59'6.32"N</td> <td>75°14'3.48"E</td> </tr> <tr> <td>13.</td> <td>30°59'6.31"N</td> <td>75°14'5.86"E</td> </tr> <tr> <td>14.</td> <td>30°59'5.07"N</td> <td>75°14'5.79"E</td> </tr> <tr> <td colspan="3" style="text-align: center;">Block-IV</td> </tr> <tr> <td>15.</td> <td>30°59'6.87"N</td> <td>75°14'3.49"E</td> </tr> <tr> <td>16.</td> <td>30°59'8.29"N</td> <td>75°14'3.49"E</td> </tr> <tr> <td>17.</td> <td>30°59'8.34"N</td> <td>75°14'5.91"E</td> </tr> <tr> <td>18.</td> <td>30°59'9.59"N</td> <td>75°14'5.98"E</td> </tr> <tr> <td>19.</td> <td>30°59'9.65"N</td> <td>75°14'8.71"E</td> </tr> <tr> <td>20.</td> <td>30°59'8.43"N</td> <td>75°14'8.77"E</td> </tr> <tr> <td>21.</td> <td>30°59'8.47"N</td> <td>75°14'10.99"E</td> </tr> <tr> <td>22.</td> <td>30°59'6.91"N</td> <td>75°14'11.04"E</td> </tr> <tr> <td colspan="3" style="text-align: center;">Block-V</td> </tr> <tr> <td>23.</td> <td>30°59'2.87"N</td> <td>75°14'3.80"E</td> </tr> <tr> <td>24.</td> <td>30°59'2.94"N</td> <td>75°14'6.61"E</td> </tr> <tr> <td>25.</td> <td>30°59'2.48"N</td> <td>75°14'8.30"E</td> </tr> <tr> <td>26.</td> <td>30°59'0.95"N</td> <td>75°14'7.81"E</td> </tr> <tr> <td>27.</td> <td>30°59'0.95"N</td> <td>75°14'3.81"E</td> </tr> </tbody> </table>	Pillar No.	Latitude	Longitude	Block-I			1.	30°59'6.05"N	75°13'53.67"E	2.	30°59'6.04"N	75°13'56.03"E	3.	30°59'5.19"N	75°13'56.06"E	4.	30°59'5.14"N	75°13'53.69"E	Block-II			5.	30°59'4.78"N	75°13'58.77"E	6.	30°59'4.85"N	75°14'1.12"E	7.	30°59'2.95"N	75°14'1.22"E	8.	30°59'2.90"N	75°13'58.81"E	Block-III			9.	30°59'5.03"N	75°14'1.45"E	10.	30°59'6.85"N	75°14'1.49"E	11.	30°59'6.84"N	75°14'3.47"E	12.	30°59'6.32"N	75°14'3.48"E	13.	30°59'6.31"N	75°14'5.86"E	14.	30°59'5.07"N	75°14'5.79"E	Block-IV			15.	30°59'6.87"N	75°14'3.49"E	16.	30°59'8.29"N	75°14'3.49"E	17.	30°59'8.34"N	75°14'5.91"E	18.	30°59'9.59"N	75°14'5.98"E	19.	30°59'9.65"N	75°14'8.71"E	20.	30°59'8.43"N	75°14'8.77"E	21.	30°59'8.47"N	75°14'10.99"E	22.	30°59'6.91"N	75°14'11.04"E	Block-V			23.	30°59'2.87"N	75°14'3.80"E	24.	30°59'2.94"N	75°14'6.61"E	25.	30°59'2.48"N	75°14'8.30"E	26.	30°59'0.95"N	75°14'7.81"E	27.	30°59'0.95"N	75°14'3.81"E
		Pillar No.	Latitude	Longitude																																																																																																	
		Block-I																																																																																																			
		1.	30°59'6.05"N	75°13'53.67"E																																																																																																	
		2.	30°59'6.04"N	75°13'56.03"E																																																																																																	
		3.	30°59'5.19"N	75°13'56.06"E																																																																																																	
		4.	30°59'5.14"N	75°13'53.69"E																																																																																																	
		Block-II																																																																																																			
		5.	30°59'4.78"N	75°13'58.77"E																																																																																																	
		6.	30°59'4.85"N	75°14'1.12"E																																																																																																	
		7.	30°59'2.95"N	75°14'1.22"E																																																																																																	
		8.	30°59'2.90"N	75°13'58.81"E																																																																																																	
		Block-III																																																																																																			
		9.	30°59'5.03"N	75°14'1.45"E																																																																																																	
		10.	30°59'6.85"N	75°14'1.49"E																																																																																																	
		11.	30°59'6.84"N	75°14'3.47"E																																																																																																	
		12.	30°59'6.32"N	75°14'3.48"E																																																																																																	
		13.	30°59'6.31"N	75°14'5.86"E																																																																																																	
		14.	30°59'5.07"N	75°14'5.79"E																																																																																																	
		Block-IV																																																																																																			
		15.	30°59'6.87"N	75°14'3.49"E																																																																																																	
		16.	30°59'8.29"N	75°14'3.49"E																																																																																																	
		17.	30°59'8.34"N	75°14'5.91"E																																																																																																	
		18.	30°59'9.59"N	75°14'5.98"E																																																																																																	
		19.	30°59'9.65"N	75°14'8.71"E																																																																																																	
		20.	30°59'8.43"N	75°14'8.77"E																																																																																																	
		21.	30°59'8.47"N	75°14'10.99"E																																																																																																	
22.	30°59'6.91"N	75°14'11.04"E																																																																																																			
Block-V																																																																																																					
23.	30°59'2.87"N	75°14'3.80"E																																																																																																			
24.	30°59'2.94"N	75°14'6.61"E																																																																																																			
25.	30°59'2.48"N	75°14'8.30"E																																																																																																			
26.	30°59'0.95"N	75°14'7.81"E																																																																																																			
27.	30°59'0.95"N	75°14'3.81"E																																																																																																			
viii.	Details of cluster formation	No cluster is formed, cluster letter submitted.																																																																																																			

ix.	Affidavit from the land owner giving consent for carrying out mining. (In case of Pvt land)	Land NOC submitted												
x.	Whether demarcation/erection of boundary pillars on the site has been done.	Demarcation done on 26-12-2022. Copy of demarcation report Submitted.												
xi.	Status of clearance under Forest Conservation Act, 1980, Wildlife Protection Act 1972 as the case may be	Site has been proposed in the Sub-Divisional Committee report.												
xii.	Salient features of approved mining plans	Date of approval- 20-07-2023 Total Quantity-41054 tonnes												
xiii.	Method of mining	Opencast Semi-mechanized												
xiv.	No. of workers on the site when fully operational	24												
xv.	Total water requirement for domestic and other usage and its source	Domestic: 0.20 KLD Dust Suppression: 0.10 KLD Plantation: 1.45 KLD Total: 1.75 KLD												
xvi.	Waste water generation and its disposal	Nil												
xvii.	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.	14 Trucks per day Submitted												
xviii.	Activities to be undertaken under EMP along with its cost.	<table border="1"> <thead> <tr> <th>S.No</th> <th>Particulars</th> <th>Capital Cost(Rs)</th> <th>Recurring Cost(Rs)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Repairing of road for transport of mining material and its subsequent maintenances</td> <td>40,000</td> <td>12,000</td> </tr> <tr> <td>2.</td> <td>Water Sprinkling Measures</td> <td>1,00,000</td> <td>50,000</td> </tr> </tbody> </table>	S.No	Particulars	Capital Cost(Rs)	Recurring Cost(Rs)	1.	Repairing of road for transport of mining material and its subsequent maintenances	40,000	12,000	2.	Water Sprinkling Measures	1,00,000	50,000
		S.No	Particulars	Capital Cost(Rs)	Recurring Cost(Rs)									
		1.	Repairing of road for transport of mining material and its subsequent maintenances	40,000	12,000									
2.	Water Sprinkling Measures	1,00,000	50,000											

		3.	Drinking water facility, Septic Tank & Mobile toilets and solid waste management	1,00,000	25,000
		4.	Safety shoes/masks/earplugs/ first aid kit etc.	50,000	20,000
		5	Additional Environment Activities(Green Belt Development)	1,45,000	75,000
			Total	4,35,000	1,82,000
xix.	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 0.78Km in W direction
ii)	The Department shall earmark, on the KML file, the distance from the minor/major bridges up to the nearest boundary of sand mining site.	Distance from Bridge 2.44 Km towards SE
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 is 3.70 Km towards WNW.

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	<p>Air-The major contribution of air pollution is by excavation, loading, transportation, hauling operation & handling of the mineral. This will lead to momentary rise in the particulate matter (PM10). As such there will be no noticeable impact on air quality.</p> <p>Water- Proposal for mining are given during dry months, therefore water quality will not deteriorate.</p> <p>Noise-Mining is of open cast semi mechanized with deployment of light excavator. Therefore noise level too will not show any significant increase.</p>						
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" data-bbox="747 787 1399 961"> <tr> <td data-bbox="753 795 837 953">1</td> <td data-bbox="844 795 1146 953">Additional Environment Activities (Green Belt Development)</td> <td data-bbox="1153 795 1279 953">1,45,000</td> <td data-bbox="1286 795 1393 953">75,000</td> </tr> </table>			1	Additional Environment Activities (Green Belt Development)	1,45,000	75,000
1	Additional Environment Activities (Green Belt Development)	1,45,000	75,000					

During meeting, the Committee perused the KML file of the proposed site and observed that the nearest civil structure is situated at a distance of 27M from the proposed mining site.

Thereafter, Assistant Geologist, Department Mines & Geology, Punjab apprised the Committee that as per Punjab Minor Mineral Rules, 2013, no quarrying operations or workings shall be carried on or permitted within minimum distance of *50 meters from any reservoir, tank, canal or other public works such as public roads and buildings or inhabited sites.*"

He further requested the Committee to defer the case to the next meeting so that revised proposal be submitted in due course of time.

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

- (i) The Project Proponent shall submit the revised proposal by taking into consideration the minimum distance criteria laid down in the Punjab Minor Mineral Rules, 2013 (PMMR, 2013)

- (ii) The Project Proponent shall submit the superimposed map earmarking the proposed mining site with the area approved in the DSR in two different colors.
- (iii) The Project Proponent shall submit the photographs of the demarcation of the proposed mining site.
- (iv) The Project Proponent shall submit an undertaking duly signed by the DMO to the effect that the khasra Nos & area mentioned in the application proposal are as per the land NOC and latest jamabandi of proposed mining site.
- (v) The Project Proponent shall submit the revised details of the activities under the EMP.

Deliberations during 261st meeting of SEAC held on 26.09.2023.

The meeting was attended by the following:

- (i) Sh. Gitesh Upveja, DMO, Department of Mining & Geology, Moga.
- (ii) Dr. KL Satapathy, Environmental Consultant, M/s GRC India. (Through VC)

The Project Proponent presented the pointwise reply of the aforementioned observations raised by SEAC in its 256th meeting held on 21.08.2023.

The Project Proponent presented the KML file by superimposing the proposed site as per the application proposal and as per approved DSR, wherein it was shown that the distance of the proposed sand mining site to the closest habitation is 70m. Also, the proposed area of mining site measuring 2.90 Ha falls within the area of mining site approved in the DSR. The Committee noted the same.

The project proponent submitted the demarcation photographs, revised EMP and an undertaking certifying that the land area and corresponding Khasra numbers are consistent with the latest Jamabandi (land revenue record). The Committee perused the same and found the documents in order.

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 2.90 Ha for the quantity of 41054 TPA, which shall not exceed the quantity of 234245.52 MT as per the approved DSR at Village Kaila, Tehsil Dharamkot, District Moga, Punjab, subject to the conditions attached as **Annexure-2**.

Item no. 261.02: Application for Environmental Clearance for sand mining project as per DSR NO. SEIAA/MS/2022/1318 with production capacity of 16443 TPA over an area of 3.43 Ha on the River Bed (PB_RUP_SWAN-05) located at Village- Bhangal, Tehsil- Rupnagar, District- Rupnagar, Punjab through XEN/DMO District Rupnagar, Government of Punjab (Proposal No. SIA/PB/MIN/428616/2023).

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) in an area of 3.43 Ha at Village: Bhangal (Riverbed-CMS site) Tehsil & District- Rupnagar, Punjab.

The Department has deposited requisite fee of Rs. 6860/- paid online 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./Bhangal/1278 dated 29.04.2023.

Deliberations during 258th meeting of SEAC held on 04.09.2023.

The meeting was attended by the following:

- (i) Mr. Paras Mahajan, Assistant State Geologist, Head office.
- (ii) Sh. Harshart Kumar, DMO, Ludhiana Department of Mines & Geology.
- (iii) Dr. Sandeep Garg, EC-Coordinator M/s Eco Paryavaran Laboratories & Consultant Pvt Ltd.
- (iv) Mrs. Jyoti Rani, EC- Coordinator M/s Eco Paryavaran Laboratories & Consultant Pvt Ltd.

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

i)	Name of Applicant & Correspondence address: Mobile No:Email ID:	XEN/DMO, Drainage-um-mining and Geology Division, WRD, Punjab, Room No. 145, D.C. Complex, Mini Secretariat, Rupnagar, 9878688998 rupinder.p@punjab.gov.in
----	--	--

ii)	Name of Environmental Consultant Mobile No. Email ID	Eco Paryavaran Laboratories & Consultants Pvt. Ltd. 9814003103, 0172461622, consulteco@yahoo.com
iii)	Online Proposal No. & date of Submission	SIA/PB/MIN/428616/2023 dated 23.08.2023
iv)	Project Name & Location	RBM Sand Mining Project Village: Bhangal Tehsil & 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

2.0 Details of the mining project

Sr. No.	Item	Details			
i)	Category of the Project as per the EIA notification dated 14.09.2006	B2			
ii)	Details of Proposed Mining Site (Agriculture land or River/choe mining. In case of River/Choe mining, name of the River/ Choe to be specified.) (Whether it is a CMS/PMS etc.)	i) River bed ii) Commercial Mining Site			
iii)	Mineral (s) to be mined	1) Sand			
iv)	Method of mining	Semi Mechanized			
v)	a) Capacity of Mine as per the EC application/DSR/Mining plan in MT and TPA b) Area of the Mine as per EC application/DSR/Mining plan	Description	As per the EC application	As per the approved DSR (pg. 249)	As per the Mining Plan
		Total Mine Capacity in MT	49,329	1,89,203.52	49,329
		Mine Capacity in TPA	16443	--	16443

	c) Depth of mining as per EC application/DSR/Mining plan	Mining Area on mining in HA	3.43 Ha	15.58 Ha	3.43 Ha
		Depth of Mining in m	3m	3m	3m
vi)	Details of Final District Survey Report	Approved by: - SEIAA Reference No.: SEIAA/MS/2022/1318 Date of Issue: - 27/12/2022 Mining Lease Area: 3.43 Ha. Mining Quantity: 49329 Tones in 3 year period			
vii)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt., where applicable	Reference No: Memo No. 8893-8901 dt 21.11.2022 Date of Issue: 13-04-2023 Validity of LOI: 3 years Mining Lease Area: 3.43 Ha Mining Quantity: 49329 tonnes			
viii)	Certificate to be provided by DMO, that the proposal is as per the annexure-V of DSR.	Certificate No: Attached as Annexure-A Date: 31.08.2023			
ix)	Hadbast No. of the Village	477			
x)	a) Detail of Khasra No. of the proposed mining site and Status of consent of owner				
	Khasra No. as per proposal	Khasra No. as per DSR	Status of consent of owner (Yes/No) and Khasra No. as per consent of land	Name of owner of the land as per land NOC, DSR and Jamabandi	
	1098//20, 21, 1099//1, 3, 7, 8, 10, 11, 13, 14, 15.	Lat and long are given in DSR which matches with co-ordinates given in application proposal.	YES 1098//20, 21, 1099//1, 3, 7, 8, 10, 11, 13, 14, 15.	Sushil kumar	
	Whether undertaking to the effect that the land area & Khasra Nos	YES			

	mentioned in the land NOC of the respective land owners are in the name of the same land owner as per the latest jamabandi of Proposed mining site or not, submitted by the concerned DMO? (Yes/No)	
xi)	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.	YES
xii)	Demarcation report of mining site	Date of demarcation: 31-01-2023 Photographs submitted: No
xiii)	Longitude & Latitude of the mining site	
	Pillar No.	Latitude
		Longitude
	PIT-I	
	1	31°19'15.65"N
	2	76°19'3.79"E
	3	31°19'15.78"N
	4	76°19'5.72"E
	5	31°19'15.35"N
	6	76°19'6.24"E
	7	31°19'14.00"N
	8	76°19'6.28"E
	9	31°19'14.02"N
	10	76°19'7.74"E
	11	31°19'13.04"N
	12	76°19'8.92"E
		31°19'12.15"N
		76°19'8.92"E
		31°19'12.18"N
		76°19'9.84"E
		31°19'10.91"N
		76°19'11.28"E
		31°19'10.18"N
		76°19'11.29"E
		31°19'10.20"N
		76°19'11.84"E
		31°19'7.06"N
		76°19'14.12"E

	13	31°19'6.32"N	76°19'14.12"E
	14	31°19'6.32"N	76°19'11.63"E
	15	31°19'10.31"N	76°19'3.88"E
PITII			
	1	31°19'15.39"N	76°18'58.66"E
	2	31°19'15.54"N	76°19'1.24"E
	3	31°19'10.45"N	76°19'1.17"E
	4	31°19'13.83"N	76°18'58.61"E
xiv)	Whether demarcation/erection of boundary pillars on the site has been done.		NO, Mining will start only after erection of pakka pillars.
xv)	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, Undertaking has been submitted.
xvi)	Does the project fall of eco-sensitive area/National Park /Wild Life Sanctuary? If yes, application submitted to NBWL.		NO
xvii)	Salient features of approved mining plans		Approved by: - State Geologist (Department of Mines and Geology, Punjab) Approval Letter No.: Glg/Pb/M.P./Bhangal/1278 Date of Approval: 29-04-2023 Approved Mining Lease Area: 3.43 Ha Approved Mining Quantity: 16443 TPA Depth of Mining (m): 3 m
viii)	Cost of the Project (in crores)		Rs. 69,06,060/-

xix)	Environmental Clearance. Processing Fee details	Processing Fee submitted- Rs 6860/- UTR No. CMS/001206906768/SEIAAPUNJAB2405 dated: 24.04.2023																						
xx)	No. of workers on the site when fully operational	09 Persons																						
xxi)	Total water requirement for domestic and other usage and its source	Domestic: 0.4 KLD Dust Suppression: 3.9 KLD Total: 4.3 KLD																						
xxii)	Waste water generation and its disposal	Quantity of Waste water: 0.32 KLD (80% of water requirement) Plantation purpose.: 0.32 KLD																						
xiii)	Information regarding nos of truck/trolleys 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.																							
	<table border="1"> <thead> <tr> <th>Name of the Equipment</th> <th>Bucket Capacity</th> <th>No. of Equipment</th> <th>Standby Equipment</th> <th>Total Equipment</th> </tr> </thead> <tbody> <tr> <td>Excavator</td> <td>0.9 m³</td> <td>1</td> <td></td> <td>1</td> </tr> <tr> <td>Dumpers</td> <td>10 Tonnes</td> <td>3</td> <td>-</td> <td>3</td> </tr> <tr> <td>Water Tanker</td> <td colspan="4">as and when required</td> </tr> </tbody> </table>				Name of the Equipment	Bucket Capacity	No. of Equipment	Standby Equipment	Total Equipment	Excavator	0.9 m ³	1		1	Dumpers	10 Tonnes	3	-	3	Water Tanker	as and when required			
Name of the Equipment	Bucket Capacity	No. of Equipment	Standby Equipment	Total Equipment																				
Excavator	0.9 m ³	1		1																				
Dumpers	10 Tonnes	3	-	3																				
Water Tanker	as and when required																							
	Transportation map is attached as Annexure-16																							
xiv)	Activities to be undertaken under EMP along with its cost.	XEN/DMO shall be responsible for implementation of EMP till the mining activities closed as per the mining plan.																						
	<table border="1"> <thead> <tr> <th>Sr. No</th> <th>Environment mitigation measure</th> <th>Capital Cost (In Lacs)</th> <th>Recurring Cost (Lacs/annum)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Water Sprinkling Measures to be done on haul road to suppress dust & Haul Road and other Roads Repair and maintenance</td> <td>1,90,000</td> <td>50,000</td> </tr> </tbody> </table>			Sr. No	Environment mitigation measure	Capital Cost (In Lacs)	Recurring Cost (Lacs/annum)	1	Water Sprinkling Measures to be done on haul road to suppress dust & Haul Road and other Roads Repair and maintenance	1,90,000	50,000													
Sr. No	Environment mitigation measure	Capital Cost (In Lacs)	Recurring Cost (Lacs/annum)																					
1	Water Sprinkling Measures to be done on haul road to suppress dust & Haul Road and other Roads Repair and maintenance	1,90,000	50,000																					

2	Plantation and maintenance of 171 saplings through State Forest Department under Green Punjab Mission: Plantation cost 3.43 Ha x 50 saplings/Ha= 171 saplings @Rs.1000 per sapling.	1,71,000	1,71,000
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.	19,000	7,000
5	Additional Environmental activities (Rs. 1.5 per MT of Total quantity 49329*1.5) (The amount will be deposited to Forest Department for utilization of the same for development of greenarea(s)/belt(s))	74,000	-
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.).	1,00,000	50,000
Total		6,29,000	2,98,000

Additional Environmental Activities (AEA) activities along with budgetary break up and responsibility

Sh. XEN/DMO Rupnagar will be responsible for implementation of Additional Environmental Activities (AEA). As the project having minable Quantity 49329 MT, The project proponent has proposed to spent Rs 74,000 Lakhs (i.e @ Rs 1.50 per Ton) for AEA activities. It was proposed to spent the said amount on the followings: -

- i) The project proponent shall deposit Rs 50,000 for Green Area development in the Greening Punjab Mission revenue head of the state treasury through the DFO prior to commencement of mining operations and thereafter 1 year after grant of EC as specified at S No. 3 of Table 1 in the following Budget Head:

Table-1

Demand No.	32- Forestry and Wildlife
Major Head	0406 – Forestry and Wildlife
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
	<p>i) Rs 24,000 for repair of haulage road of village and plantation alongside the road so as to minimize the impact of air pollution due to increase traffic on the villagers and /or</p> <p>ii) Rs 0/- for Local needs of habitants like school, crèche, hospital, veterinary hospital, sanitation, drinking water etc.</p>	
xxv)	Whether any Litigation is pending against the proposed mining site, if yes the details, thereof, be provided.	No litigation is pending against the project and undertaking is submitted.

3.0 Other important details;

i)	The Department shall provide details pertaining to No. of trees, if any, to be felled for carrying out mining activity.	No trees to felled due to 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.	Submitted
iii)	The Department shall earmark, on the KML file, the distance from the minor/major bridges up to the nearest boundary of sand mining site.	Submitted
iv)	In case, the proposed mining site does not include in a cluster, the	No Cluster is formed. Undertaking has been submitted.

	Department shall earmark on the KML file, the distance from the nearest mining site.	
v)	Is there a cluster formation (Y/N); Include KML file indicating distance from the closest cluster(s) indicating different colors	NA
vi)	An undertaking to be submit to the effect that the total area of all borrowing/excavation sites including the area of proposed project within a radius of 500 m from the proposed area of borrowing / excavation is less than 5 hectares or 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	Submitted
vii)	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	Submitted
viii)	In case of semi- mechanized method allowed, Justification for the same must be given indicating its benefits over the manual method.	It is CMS site so will go with Semi-Mechanized

During meeting, SEAC observed that SEIAA vide letter No. SEIAA/MS/2023/1081 dated 16.08.2023 forwarded the proforma for appraisal of Mining cases. The Committee shared the proforma with the Project Proponent and asked the Project Proponent to submit the information in the said proforma. The Project Proponent agreed to the same.

After detailed deliberations, SEAC decided to defer the case till the Project Proponent submits the information in the proforma prescribed by SEIAA.

Now, the Project Proponent has submitted reply of the aforementioned observation raised by SEAC in its 258th meeting held on 04.09.2023, which is attached as **Annexure-B**.

Deliberations during 261st meeting of SEAC held on 26.09.2023.

The meeting was attended by the following:

- (i) Sh. Rajinder Ghai, DMO, Rupnagar Department of Mines & Geology.
- (ii) Ms. Harmanpreet Kaur, EC-Coordinator M/s Eco Paryavaran Labs & Consultant Pvt Ltd.

During the meeting, the Project Proponent apprised vide letter no. 8476-78/DSR dated 26.09.2023 informed that the mineable quantity has been reduced from 49,329 MT to 48,432 MT. The Committee noted the same.

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 3.43 Ha falls within the area of mining site approved in the DSR. The Committee noted the same.

The Project Proponent submitted the demarcation photographs and revised EMP. The Committee perused the same and found the documents in order.

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 3.43 Ha for the quantity of 48432 MT, which shall not exceed the quantity of 189203.52 MT as per the approved DSR at Village-Bhngal, Tehsil- Rupnagar, District- Rupnagar, Punjab, subject to the conditions attached as **Annexure-1**.

Item No. 261.03: Application for Environmental Clearance for carrying out mining of minor minerals sand at Village Dhananshu-1, Tehsil- Ludhiana East, District- Ludhiana, Punjab by Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resource Department, Ludhiana. (Proposal No. SIA/PB/MIN/441736/2023)

The Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resource Department, Ludhiana 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 the mining site of Village Dhananshu-1, Tehsil- Ludhiana East, District- Ludhiana, Punjab.

The Department has deposited requisite fee of Rs. 4040/- dated 28.08.2023 for obtaining Environmental Clearance for carrying out mining in the above mining site. The adequacy & depositing 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./Dhananshu-1/2139 dated 17.08.2023**

Deliberations during 261st meeting of SEAC held on 26.09.2023.

The meeting was attended by the following:

- (i) Sh. Harinder Singh, MO, Ludhiana Department of Mines & Geology.
- (ii) Ms. Harmanpreet Kaur, EC-Coordinator M/s Eco Paryavaran Labs & Consultant Pvt Ltd.

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/441736/2023
2.	Project Name & Location	RBM Sand Mining Project Village: Djananshu-1 Tehsil- Ludhiana East District- Ludhiana, State Punjab
3	Name of the Applicant, Designation Mobile no. & Email Id	XEN/DMO, Near Durga Mata Mandir, Urban Estate, Phase-1, Dugri, Ludhiana 7047900005 ee.drg.ldh@punjab.gov.in

4	Name of Environmental Consultant , Mobile no. & Email Id	Eco Paryavaran Laboratories & Consultants Pvt. Ltd.9814003103, 0172461622, md@ecoparyavaran.org			
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	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			
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	33282	55267.2	33282
	b. Area of the Mine as per EC application/DSR/Mining plan	Mine Capacity in TPA	11904	-	11904
		Mining Area on mining in HA	2.02 Ha	2.02 Ha	2.02 Ha
	c. Depth of mining as per EC application/DSR/Mining plan	Depth of Mining in m	2.80 m	-	2.80 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	Reference No: Memo No. 5598-5602 dated: 05/09/2022 Date of Issue:24.07.2023 Validity of LOI: 3 years Mining Lease Area: 2.02 Ha Mining Quantity: 33282 Tons sand in three years.			

7	Details of Final District Survey Report		Approved by: - SEIAA Reference No.: SEIAA/MS/2023/87 Date of Issue: - 19/01/2023 Mining Lease Area: 2.02 Ha. Mining Quantity: 33282 of sand Mining Depth: 2.80 m Annual rate of replenishment as per the study conducted: 11904 TPA of sand																				
8	HadBast No.		186																				
9	Land Khasra No. & their consent details																						
	Sr No	Type	Khasra No	Consent details provided (Yes/No)	Name of the owner as per DSR																		
	1	Govt Land																					
	2	Private Land	26//16, 17, 18, 19, 20	Yes	Rashpal Singh																		
10	Latitude & Longitude																						
	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="3">PIT-I</th> </tr> <tr> <th>Pillar No.</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>30°56'16.54"N</td> <td>75°59'21.53"E</td> </tr> <tr> <td>2</td> <td>30°56'16.47"N</td> <td>75°59'34.20"E</td> </tr> <tr> <td>3</td> <td>30°56'14.50"N</td> <td>75°59'34.21"E</td> </tr> <tr> <td>4</td> <td>30°56'14.56"N</td> <td>75°59'21.58"E</td> </tr> </tbody> </table>					PIT-I			Pillar No.	Latitude	Longitude	1	30°56'16.54"N	75°59'21.53"E	2	30°56'16.47"N	75°59'34.20"E	3	30°56'14.50"N	75°59'34.21"E	4	30°56'14.56"N	75°59'21.58"E
PIT-I																							
Pillar No.	Latitude	Longitude																					
1	30°56'16.54"N	75°59'21.53"E																					
2	30°56'16.47"N	75°59'34.20"E																					
3	30°56'14.50"N	75°59'34.21"E																					
4	30°56'14.56"N	75°59'21.58"E																					
11	Whether the project attracts the General Condition. (Yes/No). In case of Yes, Please specified the reason.		No																				
12	Does the project involves diversion of forest 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. 46,59,480/-
15	Environmental Clearance. Fee details	Rs 4040/- Vide NEFT No CMS/001266951826/SEIAAPUNJAB2808 Dated: 28.08.2023
16	Certificate to be provided by DMO that the proposal is as per the annexure-V of DSR.	Certificate No.: Not Attached Date:25.08.2023
17	Demarcation report of mining site	Date of demarcation: Nos of Burjis made: 0 Nos Photographs submitted: No Signed by : 1) Name and Designation : Assistant collector-II KoomKalan
18	Workers (when fully operational)	06 Persons.
19	Water Requirements & source	Domestic: 0.3 KLD Dust Suppression: 1.80 KLD Total: 2.10 KLD Ground water/Others: 01 Borwell
20	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water : 0.24 KLD (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal : a) Plantation purpose.: 0.24 KLD b) Any other purpose: 0 KLD
21	Solid waste generation and its disposal	i) Quantity: 1.2 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: 102 Nos Funds Allocated: Rs 1.02 lacs towards capital cost and Rs 1.02 Lacs towards recurring cost. (Rs 1000/- per tree as capital cost and Rs 1000/- per tree as maintenance cost)
23	Rain Water Harvesting & recharging	Not applicable

	proposal			
24	Environment Management Plan along with Budgetary breakup and responsibility to implement		Sh. Akash Aggarwal (DMO) will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.	
25	Sr No.	Description	Capital cost (lakhs)	Recurring cost (lakhs per annum)
	1	Provision of Septic Tank	65,000	25,000
	2	Handling of Solid waste	10,000	5,000
	3	Provision of Green Belt (Rs 1000/- per tree as capital cost and Rs 1000/- per tree as maintenance cost)	1,03,000	1,03,000
	4	Dust Suppression Activities	1,00,000	75,000
	5	Occupational Health measure such as first aid and other miscellaneous	5,000	2,000
	6	Environmental Monitoring (Air, Water Soil etc.).	100000	50000
	7	Rain Water Harvesting & recharging	0	0
	8	Regular health check-up camps for the workers engaged in mines shall be organized.	0	0
	9	Any other, please specify.	0	0
	TOTAL		3,83,000	2,60,000
26	<p>An undertaking, duly certified by Executive Engineer cum District Mining Officer, Ludhiana, has been submitted with certain additional information to be considered which is reproduced as under:</p> <ol style="list-style-type: none"> 1. That, there is no forest area is involved in the project. 2. Mining site does not fall under eco-sensitive zones of wildlife Sanctuary and conservation reserves. 3. That, no litigation is pending against the project. 4. During the lease period, the deposit will be worked from the top surface to 3 m or 2.80 m below ground level or above ground water table, whichever comes first. 5. 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. 			

The Committee perused the application proposal of Drainage-cum-Mining & Geology Division, Water Resources Department, Ludhiana Division for carrying out mining of minor minerals

(sand) at Village Dhananshu-1, for an area of 2.02 Ha. The Committee perused the approved DSR of District Ludhiana and observed that the proposed mining site is a part of a cluster of area 3.79 Ha (Dhananshu 1 @ 2.02 Ha and Dhananshu-2 @1.77 Ha) and the application proposal needs to be revised and submitted for the entire cluster. The Project Proponent agreed to the same.

After detailed deliberations, the Committee decided to defer the case till the Project Proponent submit the revised proposal for the entire cluster.

Item No. 261.04: Application for Environmental Clearance for carrying out mining of minor minerals sand at Village Bangiwal, Tehsil- Nakodar, District- Jalandhar, Punjab by Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resource Department, Jalandhar. (Proposal No. SIA/PB/MIN/441932/2023).

The Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resource Department, Jalandhar 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 the mining site of Village Bangiwal, Tehsil- Nakoda, District- Jalandhar, Punjab.

The Department has deposited requisite fee of Rs. 5,440/- dated 26.08.2023 for obtaining Environmental Clearance for carrying out mining in the above mining site. The adequacy & depositing 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./Bangiwal /2219 dated 24.08.2023**

Deliberations during 261st meeting of SEAC held on 26.09.2023.

The meeting was attended by the following:

- (i) Sh. Amrinder Singh, DMO, Jalandhar Department of Mines & Geology.
- (ii) 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/441932/2023 Date of Submission: 06/09/2023
2.	Project Name & Location	Bangiwal Sand Mining Project Village: Bangiwal Tehsil: Nakodar District: Jalandhar State: Punjab

3	Name of the Applicant, Designation Mobile no. & Email Id	DMO Jalandhar Executive Engineer cum District mining officer, Jalandhar Drainage Division, near Hoshiarpur Chowk, Jalandhar 7888512516 xenminingjal@gmail.com
4	Name of Environmental Consultant , Mobile no. & Email Id	Grass Roots Research and Creation (P) Ltd. 0120-4044630 info@grc-india.com
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: 2.77 Ha
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

	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
	b. Area of the Mine as per EC application/DSR/Mining plan	Mine Capacity in MT	60630	75787.2	60630
		Mine Capacity in TPA	30315	NA	30315
	c. Depth of mining as per EC application/DSR/Mining plan	Mining Area of mining in HA	2.77	2.77	2.77
		Depth of Mining in m	3.0	NA	3.0
v)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt., where applicable	Reference No: 643 Date of Issue: 19/07/23 Validity of LOI: Not Mentioned Mining Lease Area: 2.77 Mining Quantity: Not Mentioned			
7	Details of Final District Survey Report	Approved by : SEIAA, Punjab Reference No: SEIAA/MS/2023/537 Date of Issue: 29/03/2023 Safe distance from banks (m): 50m Annual rate of replenishment as per the study conducted: Study to be conducted.			
8	HadBast No.	345			
9	Land Khasra No. & their consent details				
	Sr No	Type	Khasra No	Consent details provided (Yes/No)	
	1	Govt. Land	-	-	
	2	Private Land	8//21, 8//22, 8//23, 8//24, 8//25, 15//1, 15//2	Yes	
10	Latitude & Longitude				

	Pillar No.	Latitude	Longitude
	1.	30°59'37.61"N	75°27'9.08"E
	2.	30°59'37.53"N	75°27'21.44"E
	3.	30°59'35.72"N	75°27'21.44"E
	4.	30°59'35.71"N	75°27'19.03"E
	5.	30°59'35.61"N	75°27'19.03"E
	6.	30°59'35.57"N	75°27'14.06"E
	7.	30°59'33.63"N	75°27'14.05"E
	8.	30°59'33.62"N	75°27'9.10"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.72.29 Lakhs
14	Environmental Clearance. Fee details	Rs 5540/- Vide Ref No N238232611652485 dated 26/08/2023.
15	Certificate to be provided by DMO that the proposal is as per the annexure-V of DSR.	Submitted Dated 25/08/2023
16	Demarcation report of mining site	Date of demarcation: 21.12.2022 Nos of Burjis made: Photographs submitted: No No Signed by: Kanugo Balwinder Singh
17	Workers (when fully operational)	24 Persons.
18	Water Requirements & source	1.69 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: 139 Nos Funds Allocated: Rs 1.39 lacs towards capital cost and Rs 0.65 Lacs 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 along with 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				
	Sr no.	Environment mitigation measure	Total cost to be incurred (In Rs)	Recurring Cost (Rs)
	1.	Water Sprinkling Measures to be done on haul road to suppress dust & Haul Road and other Roads Repair and maintenance	1,90,000	50,000
	2.	Drinking water facility, Septic Tank & Mobile toilets and solid waste management	65,000	10,000
	3.	Safety equipment's such as gloves, mask, helmet, First aid kit etc.	35,700	7000
	4.	Additional Environmental activities (Rs. 0.5 per MT of Total quantity) (The amount may be deposited to Forest Department for utilization of the same for development of green area(s)/belt(s))	31,000	-

	5. .	Additional Environmental activities (Rs. 0.5 per MT of Total quantity) (The amount may be deposited to Forest Department for utilization of the same for development of green area(s)/belt(s))	10,000	10,000										
	6. .	Environmental Monitoring (Air, Water Soil etc.).	35,700	7000										
		Total	3,67,400	84,000										
24	<p>Additional Environmental Activities (AEA) activities along with budgetary break up and responsibility</p> <p>DMO will be responsible for implementation of Additional Environmental Activities (AEA). As the project having</p> <p>minable Quantity 60630 MT, The project proponent has proposed to spent Rs 0.31 Lakhs (i.e @ Rs 0.50 per Ton) for AEA activities. It was proposed to spent the said amount on the followings: -</p> <p>i. The project proponent shall deposit Rs 1,99,000 for Green Area development in the Greening Punjab Mission revenue head of the state treasury through the DFO prior to commencement of mining operations and thereafter 1 year after grant of EC as specified at S No. 3 of Table 1 in the following Budget Head:</p> <p style="text-align: center;">Table-1</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Demand No. Major Head</td> <td>32- Forestry and Wildlife 0406 – Forestry and Wildlife</td> </tr> <tr> <td>Sub-Major Head</td> <td>01 – Forestry</td> </tr> <tr> <td>Minor Head</td> <td>102- Receipts Forestry From Social and Farm</td> </tr> <tr> <td>Sub-Head</td> <td>03 – Green Punjab Mission</td> </tr> <tr> <td>Detailed Head</td> <td>01- Green Punjab Mission Fees</td> </tr> </table> <p>ii) Rs 1,90,000 for repair of haulage road of village and plantation alongside the road so as to minimize the impact of air pollution due to increase traffic on the villagers and /or</p> <p>iii) Rs 65,000 for Local needs of habitants like school, crèche, hospital, veterinary hospital, sanitation, drinking water etc.</p>				Demand No. Major Head	32- Forestry and Wildlife 0406 – Forestry and Wildlife	Sub-Major Head	01 – Forestry	Minor Head	102- Receipts Forestry From Social and Farm	Sub-Head	03 – Green Punjab Mission	Detailed Head	01- Green Punjab Mission Fees
Demand No. Major Head	32- Forestry and Wildlife 0406 – Forestry and Wildlife													
Sub-Major Head	01 – Forestry													
Minor Head	102- Receipts Forestry From Social and Farm													
Sub-Head	03 – Green Punjab Mission													
Detailed Head	01- Green Punjab Mission Fees													
25	Other important facts:													

	<p>Following facts may be considering while recommending the case:-</p> <ul style="list-style-type: none"> 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. 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. 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) 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 <p style="text-align: center;">Or</p> <p>The total area of all borrowing/excavation sites including the area of proposed project within a radius of 500 m from the proposed area of borrowing / excavation is less than 5 hectares.</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 2.77 Ha falls within the area of mining site approved in the DSR. The Committee noted the same.

The project proponent submitted the demarcation photographs, revised EMP and an undertaking certifying that the land area and corresponding Khasra numbers are consistent with the latest Jamabandi (land revenue record). The committee perused the same and found the documents in order.

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 2.77 Ha for the quantity of 60630 MT (30315 TPA), which shall not exceed the quantity of 75787.2 MT as per the approved DSR at Village Bangiwal, Tehsil- Nakodar, District- Jalandhar, Punjab, subject to the conditions attached as **Annexure-2**.

Item No. 261.05: Application for Environmental Clearance for carrying out mining of minor minerals sand at Village Talwandi Sibhu, Tehsil- Nawashehar, District- SBS Nagar, Punjab by Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resource Department, SBS Nagar. (Proposal No. SIA/PB/MIN/441886/2023).

The Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resource Department, SBS Nagar 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 the mining site of Village Talwandi sibhu, Tehsil- Nawashehar, District- SBS Nagar, Punjab.

The Department has deposited requisite fee of Rs. 460/- dated 25/08/2023 for obtaining Environmental Clearance for carrying out mining in the above mining site. The adequacy & depositing 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./Talwandi Sibhu-1 /1224 dated 21/04/2023.**

Deliberations during 261st meeting of SEAC held on 26.09.2023.

The meeting was attended by the following:

- (i) Sh. Bhavuk Sharma, DMO, SBS Nagar Department of Mines & Geology.
- (ii) Ms. Harmanpreet Kaur, EC-Coordinator M/s Eco Paryavaran Laboratories & Consultant Pvt Ltd.

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/441886/2023 26/08/2023
2.	Project Name & Location	RBM Sand Mining Project (0.23 Ha) Village: Talwandi sibhu Tehsil- Nawashehar District- SBS Nagar, State Punjab
3	Name of the Applicant, Designation Mobile no. & Email Id	Executive Engineer/SBS Nagar Drainage cum- Mining and Geology WRD Canal Colony Kapurthala Road, Jalandhar

		8950065264 happy.kumar65@punjab.gov.in			
4	Name of Environmental Consultant , Mobile no. & Email Id	Eco Paryavaran Laboratories & Consultants Pvt. Ltd. (formerly Eco Laboratories & Consultants Pvt. Ltd.) 8872043178 md@ecoparyavaran.org			
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	PMS			
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 , PMS			
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	5265	6375.6	5265
	b. Area of the Mine as per EC application/DSR/Mining plan	Mine Capacity in TPA	1755	-	1755
		Mining Area on mining in HA	0.23	0.23	0.23
	c. Depth of mining as per EC application/DSR/Mining plan	Depth of Mining in m	3	3	3
		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	Date of Issue:24/04/2023 Validity of LOI: 3 YEARS Mining Lease Area: 0.23 Ha Mining Quantity: 1755 TPA			

7	Details of Final District Survey Report	Approved by: - SEIAA Reference No: SEIAA/MS/2023/212 Date of Issue: 02/02/2023		
8	HadBast No.	280		
9	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No	Consent details provided (Yes/No)
	1	Govt Land	16//21, 22, 23, 24//3	Punjab Government land
	2	Private Land	-	-
10	Latitude & Longitude			
	Geo-Coordinates of the Lease Area			
	Pillar No.	Latitude	Longitude	
	1	31° 0'7.22"N	76° 3'38.86"E	
	2	31° 0'7.52"N	76° 3'39.30"E	
	3	31° 0'7.93"N	76° 3'41.11"E	
	4	31° 0'7.58"N	76° 3'42.70"E	
	5	31° 0'5.72"N	76° 3'43.19"E	
	6	31° 0'6.16"N	76° 3'42.69"E	
	7	31° 0'7.02"N	76° 3'42.78"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. 0.737 Crores		
14	Environmental Clearance. Fee details	Rs 460/- Vide NEFT No CMS/001265405207/SEIAAPUNJAB2508 dated 25/08/2023		
15	Certificate to be provided by DMO, that the proposal is as per the	Certificate No: SEIAA/MS/2023/212 Date : 02/02/2023		

	Annexure-V of DSR.			
16	Demarcation report of mining site		Date of demarcation: 24/04/2023 Photographs submitted: Yes <u>Pillars will be erected before mining activity starts</u>	
17	Workers (when fully operational)		3 Persons.	
18	Water Requirements & source		Domestic: 0.2KLD (@ 45 lpcd) Dust Suppression: 0.8 Total: 1 KLD Ground water/Others: 01 Borwell	
19	Waste water generation, Treatment & its Disposal		i) Quantity of Waste water : ___ KLD (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal : a) Plantation purpose.: ___ KLD b) Any other purpose: ___KLD ** Negligible waste water will be generated**	
20	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: 12 Nos Funds Allocated: Rs 12,000/- towards capital cost and Rs 12,000/- 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 along with Budgetary breakup and responsibility to implement		XEN/DMO will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.	
23	Sr No.	Description	Capital cost (lakhs)	Recurring cost (lakhs per annum)
	1	Provision of Septic Tank	3,000	2,000
	2	Handling of Solid waste	2,000	2,000
	3	Provision of Green Belt (Plantation cost 2.09 Ha x 50 saplings/Ha= 104.5 saplings @ Rs.1000 per sapling)	12,000	-

	4	Dust Suppression Activities	48,000	17,000
	5	Occupational Health measure such as first aid and other miscellaneous	2,000	1000
	6	Environmental Monitoring (Air, Water Soil etc.).	30,000	20,000
	7	Rain Water Harvesting & recharging	---	
	8	Regular health check-up camps for the workers engaged in mines shall be organized.	3,000	1,000
	9	Any other, Please specify.	--	
		TOTAL	1,00,000	43,000
24	<p>Additional Environmental Activities (AEA) activities along with budgetary break up and responsibility</p> <p>Sh. XEN/DMO SBS Nagar of will be responsible for implementation of Additional Environmental Activities (AEA). As the project having minable Quantity 5265 MT, The project proponent has proposed to spent Rs 2632 (i.e. @ Rs 0.50 per Ton) for AEA activities. It was proposed to spent the said amount on the followings: -</p> <p>i) The project proponent shall deposit Rs 2632/- for Green Area development in the Greening Punjab Mission revenue head of the state treasury through the DFO prior to commencement of mining operations and thereafter 1 year after grant of EC.</p>			
25	<p>Other important 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) 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.</p> <p>Or</p> <p>The total area of all borrowing/excavation sites including the area of proposed project within a radius of 500 m from the proposed area of borrowing / excavation is less than 5 hectares.</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 0.23 Ha falls within the area of mining site approved in the DSR. The Committee noted the same.

The project proponent submitted the revised EMP and an undertaking certifying that the land area and corresponding Khasra numbers are consistent with the latest Jamabandi (land revenue record). The committee perused the same and found the documents in order.

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 0.23 Ha for the quantity of 5265 MT (1755 TPA), which shall not exceed the quantity of 6375.6 MT as per the approved DSR at Village - Talwandi Sibhu, Tehsil- Nawashehar, District- SBS Nagar, Punjab, subject to the conditions attached as **Annexure-1**.

Item No. 261.06: Application for Environmental Clearance for carrying out mining of minor minerals sand at Village: Khoja/Niana, Dugri/Niana Tehsil- Balachaur, District- SBS Nagar, State Punjab by Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resource Department, SBS Nagar. (Proposal No.: SIA/PB/MIN/440018/2023).

The Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resource Department, SBS Nagar 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 the mining site of Village: Khoja/Niana, Dugri/Niana Tehsil- Balachaur, District- SBS Nagar, Punjab.

The Department has deposited requisite fee of Rs. 4900/- dated 12/08/2023 for obtaining Environmental Clearance for carrying out mining in the above mining site. The adequacy & depositing 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./Khoja-Niana, Dugri-Niana /1609 dated 01.06.2023.**

Deliberations during 261st meeting of SEAC held on 26.09.2023.

The meeting was attended by the following:

- (i) Sh. Bhavuk Sharma, DMO, SBS Nagar Department of Mines & Geology.
- (ii) Ms. Harmanpreet Kaur, EC-Coordinator M/s Eco Paryavaran Laboratories & Consultant Pvt Ltd.

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/440018/2023 06.09.2023
2.	Project Name & Location	RBM Sand Mining Project (2.45 Ha) Village: Khoja/Niana, dugri/Niana Tehsil- Balachaur District- SBS Nagar, State Punjab
3	Name of the Applicant, Designation Mobile no. & Email Id	Executive Engineer/SBS Nagar Drainage cum- Mining and Geology WRD Canal Colony Kapurthala Road, Jalandhar

		8950065264 happy.kumar65@punjab.gov.in			
4	Name of Environmental Consultant, Mobile no. & Email Id	Eco Paryavaran Laboratories & Consultants Pvt. Ltd. (formerly Eco Laboratories & Consultants Pvt. Ltd.) 8872043178 md@ecoparyavaran.org			
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				
vi)	Mineral (s) to be mined	1) Sand			
vii)	Method of mining	Manual			
viii)	Agriculture land or River/choe mining. In case of River/Choe mining, name of the River/Choe to be specified.	Riverbed, PMS			
ix)	d. 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	67389	96220.8	67389
	e. Area of the Mine as per EC application/DSR/Mining plan	Mine Capacity in TPA	22463	---	22463
		Mining Area on mining in HA	2.45	4.44	2.45
	f. Depth of mining as per EC application/DSR/Mining plan	Depth of Mining in m	3m SITE (sand bar code) 15 2m SITE 15A	3m SITE 15 2m SITE 15A	3m SITE 15 2m SITE 15A
Note: EC cannot be appraised more than quantity and area mentioned in the approved DSR					
x)	Details Letter of Intent (LOI)/E-	Validity of LOI: 3 Years			

	Auction issued by the State Govt., where applicable		Mining Lease Area: 2.45Ha Mining Quantity: 22,463 TPA																																					
7	Details of Final District Survey Report		Approved by: - SEIAA Reference No: SEIAA/MS/2023/212 Date of Issue: 02/02/2023 Safe distance from banks (m):																																					
8	HadBast No.		462, 463																																					
9	Land Khasra No. & their consent details																																							
	Sr No	Type	Khasra No	Consent details provided (Yes/No)																																				
	1	Govt Land																																						
	2	Private Land	Site-no.15)- 19, 20, 21/1, 22, (Site-no.15A)- 24//15, 16, 25//11, 16, 17, 19, 20, 21, 22, 23, 24, 25	Malkit Singh																																				
10	Latitude & Longitude																																							
	<table border="1"> <thead> <tr> <th>Pillar No.</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td colspan="3" style="text-align: center;">SITE-15</td> </tr> <tr> <td>1</td> <td>31° 0'31.52"N</td> <td>76°17'40.82"E</td> </tr> <tr> <td>2</td> <td>31° 0'30.92"N</td> <td>76°17'44.18"E</td> </tr> <tr> <td>3</td> <td>31° 0'28.16"N</td> <td>76°17'43.48"E</td> </tr> <tr> <td>4</td> <td>31° 0'29.30"N</td> <td>76°17'40.75"E</td> </tr> <tr> <td colspan="3" style="text-align: center;">SITE-15A</td> </tr> <tr> <td>1</td> <td>31° 0'38.28"N</td> <td>76°17'21.84"E</td> </tr> <tr> <td>2</td> <td>31° 0'40.14"N</td> <td>76°17'21.83"E</td> </tr> <tr> <td>3</td> <td>31° 0'39.93"N</td> <td>76°17'22.50"E</td> </tr> <tr> <td>4</td> <td>31° 0'37.44"N</td> <td>76°17'26.46"E</td> </tr> <tr> <td>5</td> <td>31° 0'35.04"N</td> <td>76°17'30.77"E</td> </tr> </tbody> </table>				Pillar No.	Latitude	Longitude	SITE-15			1	31° 0'31.52"N	76°17'40.82"E	2	31° 0'30.92"N	76°17'44.18"E	3	31° 0'28.16"N	76°17'43.48"E	4	31° 0'29.30"N	76°17'40.75"E	SITE-15A			1	31° 0'38.28"N	76°17'21.84"E	2	31° 0'40.14"N	76°17'21.83"E	3	31° 0'39.93"N	76°17'22.50"E	4	31° 0'37.44"N	76°17'26.46"E	5	31° 0'35.04"N	76°17'30.77"E
Pillar No.	Latitude	Longitude																																						
SITE-15																																								
1	31° 0'31.52"N	76°17'40.82"E																																						
2	31° 0'30.92"N	76°17'44.18"E																																						
3	31° 0'28.16"N	76°17'43.48"E																																						
4	31° 0'29.30"N	76°17'40.75"E																																						
SITE-15A																																								
1	31° 0'38.28"N	76°17'21.84"E																																						
2	31° 0'40.14"N	76°17'21.83"E																																						
3	31° 0'39.93"N	76°17'22.50"E																																						
4	31° 0'37.44"N	76°17'26.46"E																																						
5	31° 0'35.04"N	76°17'30.77"E																																						

		6	31° 0'35.22"N	76°17'35.89"E	
		7	31° 0'33.47"N	76°17'36.17"E	
		8	31° 0'33.42"N	76°17'31.44"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. 94,34,460			
14	Environmental Clearance. Fee details	Rs 4900/-			
15	Certificate to be provided by DMO, that the proposal is as per the annexure-V of DSR.	Certificate No: SEIAA/MS/2023/212 Date : 02/02/2023			
16	Demarcation report of mining site	Date of demarcation: 24/04/2023 Photographs submitted: Pillars will be erected before mining activity starts			
17	Workers (when fully operational)	20 Persons.			
18	Water Requirements & source	Domestic: 0.90 KLD (@ 45 lpcd) Dust Suppression: 2.5 KLD Total: 3.4 KLD Ground water/Others: 01 Borewell			
19	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water: 0.72 KLD (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal: a) Plantation purpose.: 0.72KLD			
20	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: 123 Nos Funds Allocated: Rs 1,23,000/- towards capital cost (Rs 1000/- per tree as capital cost and tree as			

			maintenance cost)	
21	Whether any High Transmission wires is passing over the proposed mining site (yes/No)		NO	
22	Environment Management Plan along with Budgetary breakup and responsibility to implement		Sh. XEN/DMO SBS Nagar will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.	
23	Sr No.	Description	Capital cost (lakhs)	Recurring cost (lakhs per annum)
	1	Provision of Septic Tank	10,000	2,000
	2	Handling of Solid waste	8,000	3,000
	3	Greenbelt Development (with tree guards) (Plantation cost 2.45 Ha x 50 saplings/Ha = 123 saplings @ Rs.1000 per sapling)	1,23,000	1,23,000
	4	Dust Suppression Activities	1,50,000	1,10,000
	5	Occupational Health measure such as first aid and other miscellaneous	10,000	7,000
	6	Environmental Monitoring (Air, Water Soil etc.).	50,000	50,000
	7	Rain Water Harvesting & recharging	---	---
	8	Regular health check-up camps for the workers engaged in mines shall be organized.	15,000	7,000
		TOTAL		3,66,000/-
24	<p>Additional Environmental Activities (AEA) activities along with budgetary break up and responsibility</p> <p>Sh. XEN/DMO SBS Nagar will be responsible for implementation of Additional Environmental Activities (AEA). As the project having minable Quantity 67389 MT, the project proponent has proposed to spent Rs 33,700 (i.e @ Rs 0.50 per Ton) for AEA activities. It was proposed to spent the said amount on the followings: -</p> <p>i) The project proponent shall deposit Rs 33,700 for Green Area development in the Greening Punjab Mission revenue head of the state treasury through the DFO prior to commencement of mining operations and</p>			

	thereafter 1 year after grant of EC
25	<p>Other important facts:</p> <p>Following facts may be considering while recommending the case: -</p> <ul style="list-style-type: none"> 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. 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. 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) 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 <p>Or</p> <p>The total area of all borrowing/excavation sites including the area of proposed project within a radius of 500 m from the proposed area of borrowing / excavation is less than 5 hectares.</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 2.45 Ha falls within the area of mining site approved in the DSR. The Committee noted the same.

The project proponent submitted the revised EMP and an undertaking certifying that the land area and corresponding Khasra numbers are consistent with the latest Jamabandi (land revenue record). The Committee perused the same and found the documents in order.

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 2.45 Ha for the quantity of 67389 MT (22463 TPA), which shall not exceed the quantity of 96220.8 MT as per the approved DSR at Village - Khoja/Niana, Dugri/Niana Tehsil- Balachaur, District- SBS Nagar subject to the following standard & special Condition attached as **Annexure-1**.

- (i) The Project Proponent shall submit the photographs showing the demarcation of the

mining site before presenting the case to SEIAA.

Specific conditions:

- (i) The Environmental Clearance (EC) will be valid for a period of seven years from the date of issuance, as per the provisions of the EIA Notification, 2006 as amended subsequently, for mining of minor minerals in the above said locations and Khasra numbers as per the Mining Plan subject to the availability of minor minerals and valid Mining Plan.
- (ii) The project proponent shall demarcate the mining lease area in the presence of Lambardar of the village, project proponent/ contractor, owner of the land and owner of the adjoining land, Revenue officer & Mining officer, etc. Mining lease area will be demarcated on the ground with pucca pillars with reference to some permanent benchmark before starting any mining activity at site.
- (iii) Mining should begin only after pucca pillar marking the boundary of lease area is erected at the cost of the lease holder after certification by the Mining official and its geo-coordinates are made available to the District Level Committee.
- (iv) Mining shall be carried out through semi- mechanized method as proposed in the mining plan.
- (v) Mining shall be as per the approved Development/Mining Plan prepared for this project and as per the Mines & Mineral (Development & Regulation) Act, 1957 and rules framed there under as amended from time to time, other Acts/rules related with mining of minor minerals.
- (vi) The mining activity shall be carried out strictly as per the Sustainable Sand Mining Management Guidelines 2016, the provisions made in Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by MoEF&CC, New Delhi as amended from time to time and the guidelines issued by the Geological Survey of India.
- (vii) The mining operation will be carried out only from sun-rise to sunset.
- (viii) The project proponent shall earmark at least two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site and monthly monitoring of the depth is to be carried out. District Mining Officer is to monitor the same.
- (ix) The project proponent shall obtain Consent to Establish and Consent to Operate from the Punjab Pollution Control Board (PPCB) and effectively implement all the conditions stipulated therein.
- (x) The project proponent shall observe the mining site after every 15 days and in case, a Schedule-I or Schedule-II species as per Wildlife Act or any rare or endangered species

are reported, the Mining Officer will get a conservation plan prepared in consultation with the Department of Wildlife and ensure its implementation.

- (xi) The mining of minor mineral (sand) shall be carried out only up to a depth of 3m as proposed in the approved Mining plan or above the groundwater level, whichever is less.
- (xii) The mining shall be carried out by the contractor/lessor as per the Environment Management Plan prepared and development / mining plan prepared as per the Mines & Mineral (Development & Regulation) Act, 1957 / other Acts/Rules related with mining of minor minerals. It shall be ensured that no mining shall be carried out during the monsoon season as defined by the Meteorological department.
- (xiii) The project proponent and Mining officer shall ensure that wherever deployment of labour attracts the Mines Act, the provisions thereof shall be strictly followed.
- (xiv) The project proponent shall undertake plantation/afforestation work by planting native species in the nearby area/ adjacent to the mine lease. It shall be ensured that adequate numbers (as proposed) of trees shall be planted, protected, maintained and established. (Condition no. xx of the specific condition stands deleted).
- (xv) The project proponent shall ensure that effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the ambient air quality parameters conform to the norms prescribed by the Ministry of Environment, Forests & Climate Change (MoEF&CC) /PPCB in this regard.
- (xvi) The project proponent shall undertake adequate safeguard measures during extraction of sand and ensure that due to this activity, the hydro-geological and ecological regime of the surrounding area shall not be affected. Regular monitoring of ground water level and quality shall be carried out around the mine lease area by establishing a network of existing wells, if any, and installing new piezometers during the mining operation.
- (xvii) The periodic monitoring of groundwater[(at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January)); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority (CGWA) and the data thus collected may be sent regularly to the MoEF&CC and its Regional office at Chandigarh, CGWA, the Regional Director, Central Ground Water Board; SEIAA, Punjab and PPCB. If at any stage, it is observed that the groundwater table is getting depleted or rising due to the mining activity, necessary corrective measures shall be carried out.
- (xviii) The project proponent shall obtain necessary prior permission of the competent authorities/CGWA for drawl of requisite quantity of water (surface water and groundwater), if any, required for the project.

- (xix) In case, mining site falls in the notified block declared by the CGWA, the project proponent shall obtain necessary prior permission for drawl of requisite quantity of water for domestic purposes from District Advisory Committee (DAC) and only use treated waste water for dust suppression activities.
- (xx) Adequate numbers (as proposed) of trees shall be planted, protected, maintained and established in vacant area in the village near the mining site.
- (xxi) Appropriate mitigation measures shall be taken by the project proponent to prevent pollution at the mining site in consultation with the PPCB. It shall be ensured that there is no leakage of oil and grease at the mining site from the vehicles/mining equipment used for transportation.
- (xxii) Vehicular emissions shall be kept under control and regularly monitored. The project proponent shall ensure that, as far as possible, the transportation route will be away from the habitation area and will not pass through any village. The transportation hours of mined material shall be restricted to non-peak hours only.
- (xxiii) The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. All the public roads as well as approach roads shall be maintained and it shall be ensured that the tippers carrying mined material are not loaded beyond the permissible load as per the designed load bearing capacity of the road. Moreover, provision of sufficient funds shall be made in the budget for the proper maintenance of the roads.
- (xxiv) A first aid room shall be provided in the project both during construction and operations of the project.
- (xxv) Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
- (xxvi) Provision shall be made for the housing of workers, if residing at site, within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. In case of non-residential/daily workers, provision of adequate bath rooms, mobile toilets, and mobile STP shall be made to avoid open defecation and treated domestic effluent shall be discharged onto the land for plantation.
- (xxvii) The municipal solid waste generated shall be disposed of as per Solid Waste Management (SWM) Rules 2016. Segregation of bio-degradable and non-biodegradable wastes shall be done at site and disposed of as per provisions of SWM Rules. Dustbins will be provided at site and the workers will be guided to put all the waste in these dustbins. if any, in the dustbin. No littering will be permitted at the site as well as in the vicinity.
- (xxviii) The critical parameters such as Respirable Suspended Particulate Matter(RSPM) (Particulate matter with size less than 10 microns i.e., PM10) and Nitrogen oxides

(NO_x) in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water shall also be monitored [(Total Dissolved Solids(TDS), Dissolved Oxygen(DO), pH, Faecal Coliform and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA. II(M) dated 27.05.2009 issued by MoEF&CC, which is available at www.envfor.nic.in shall also be referred in this regard for its compliance.

- (xxix) The project proponent shall take all precautionary measures during mining operation for conservation and protection of rare and endangered flora & fauna found in the study area. Action plan for conservation of flora and fauna shall be prepared in consultation with the State Forest and Wildlife Department. All the safeguard measures brought out in the Wildlife Conservation Plan so prepared specific to this project site shall be effectively implemented. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. A copy of action plan shall be submitted to the Regional office of the MoEF&CC, Chandigarh and SEIAA, Punjab.
- (xxx) Vehicles hired to be used for transportation of mined material should be in good condition and should conform to the applicable air and noise emission standards as provided in the Motor Vehicles Act,1988.
- (xxxi) Ambient noise levels should conform to the prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored.
- (xxxii) The risk assessment and disaster management plan should be prepared.
- (xxxiii) The project proponent shall submit the site plan showing the earmarked area for storage of mined material.
- (xxxiv) No mining operation shall be carried out at any point within 75 m of railway line, 60 m from national highway, 50 m from HT line/any public works/reservoirs, tanks/canal/public roads and buildings or inhabitations or 10 m of outer edge of any village road. A safety barrier of 7.5m width shall be left intact around the mine lease boundary.
- (xxxv) The project proponent shall ensure the implementation of the post-closure mining plan as proposed by the project proponent in the Mining plan.
- (xxxvi) The project proponent shall comply with the condition imposed by District Forest Officer (DFO) while granting NOC.

General Conditions:

- (i) No change in mining technology and scope of working should be made without prior approval of the MoEF&CC.

- (ii) No change in the calendar plan including excavation, quantum of mineral sand/gravel (minor mineral) and waste should be made.
- (iii) Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10micron i.e., PM) and NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the PPCB.
- (iv) Data on ambient air quality RSPM (Particulate matter with size less than 10micron i.e., PM) & NOx should be regularly submitted to the MoEF&CC including its Regional office located at Chandigarh and the PPCB / Central Pollution Control Board (CPCB) once in six months and SEIAA, Punjab.
- (v) Personnel working in dusty areas should wear protective respiratory devices and should be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- (vi) A separate environmental management cell with suitable qualified personnel should be set-up under the control of a senior executive, who will report directly to the head of the organization.
- (vii) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the MoEF&CC and its Regional office located at Chandigarh and SEIAA, Punjab.
- (viii) The project proponent should inform to the Regional Office of MoEF&CC located at Chandigarh and SEIAA, Punjab regarding the date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- (ix) The Regional office of MoEF&CC located at Chandigarh and PPCB shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional office by furnishing the requisite data / information / monitoring reports.
- (x) The project proponent shall submit six-monthly reports on the status of compliance of the stipulated environmental clearance conditions including the results of monitored data (both in hard copies as well as by e-mail) to the MoEF&CC, its Regional office Chandigarh, the respective Zonal Office of CPCB , PPCB, and SEIAA, Punjab. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional office MoEF&CC, Chandigarh, the respective Zonal Office of CPCB and PPCB, and SEIAA, Punjab.

- (xi) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xii) The project proponent should display a copy of the clearance letter at the Regional office, District Industries Centre and the Collector's office/ Tehsildar's office.
- (xiii) The environmental statement for each financial year ending 31 March in Form-V as is mandated to be submitted by the project proponent to the PPCB (as prescribed under the Environment (Protection) Rules, 1986 amended from time to time), shall also be put on the website of the company along with the status of compliance of environmental clearance conditions. In addition, it shall also be sent to the Regional office of the MoEF&CC, Chandigarh and SEIAA, Punjab by e-mail.
- (xiv) The project proponent shall adhere to the commitments made in the Environment Management Plan.
- (xv) Within seven days of the issuance of EC, the project proponent shall prominently advertise (in at least two local newspapers of the District or State, of which one shall be in the vernacular language) that the project has been accorded Environmental Clearance along with the details of MoEF&CC/SEIAA website where it is displayed.
- (xvi) The MoEF&CC and SEIAA, Punjab or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- (xvii) The SEIAA may cancel the EC granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this EC, it is found/ come to the knowledge of the SEIAA that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the EC.
- (xviii) The project proponent shall get the micro chemical analysis of the mined material done from an approved laboratory once in a year and shall submit the analysis results to the MoEF&CC/PPCB and SEIAA, Punjab.
- (xix) The project proponent shall ensure that the contractor shall engage people of local area for mining purpose as far as possible, so as to have opportunities of employment for them.
- (xx) The project proponent may apply for transfer of EC under EIA notification dated 14.09.2006 to the other contractor finalized by the Department of Mines & Geology to SEIAA, Punjab. However, no activity shall be undertaken by the contractor till the EC is transferred in his name and he is lawfully bound to comply with the conditions of the EC
- (xxi) The monitoring of the mining project in respect of environment management shall be carried out by the State/District Level Environment Management Cells constituted by the Govt. of Punjab vide notifications dated 03.12.2012.

- (xxii) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days.

Additional Conditions:

- (i) 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.

Specific conditions:

- (i) The Environmental Clearance (EC) will be valid for a period of seven years from the date of issuance, as per the provisions of the EIA Notification, 2006 as amended subsequently, for mining of minor minerals in the above said locations and Khasra numbers as per the Mining Plan subject to the availability of minor minerals and valid Mining Plan.
- (ii) The project proponent shall demarcate the mining lease area in the presence of Lambardar of the village, project proponent/ contractor, owner of the land and owner of the adjoining land, Revenue officer & Mining officer, etc. Mining lease area will be demarcated on the ground with pucca pillars with reference to some permanent benchmark before starting any mining activity at site.
- (iii) Mining should begin only after pucca pillar marking the boundary of lease area is erected at the cost of the lease holder after certification by the Mining official and its geo-coordinates are made available to the District Level Committee.
- (iv) Mining shall be carried out through semi- mechanized method as proposed in the mining plan.
- (v) Mining shall be as per the approved Development/Mining Plan prepared for this project and as per the Mines & Mineral (Development & Regulation) Act, 1957 and rules framed there under as amended from time to time, other Acts/rules related with mining of minor minerals.
- (vi) The mining activity shall be carried out strictly as per the Sustainable Sand Mining Management Guidelines 2016, the provisions made in Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by MoEF&CC, New Delhi as amended from time to time and the guidelines issued by the Geological Survey of India.
- (vii) The mining operation will be carried out only from sun-rise to sunset.
- (viii) The project proponent shall earmark at least two tubewells/ borewells/ wells as observation wells in the adjoining area within a radius of 500m of the project site and monthly monitoring of the depth is to be carried out. District Mining Officer is to monitor the same.
- (ix) The project proponent shall obtain Consent to Establish and Consent to Operate from the Punjab Pollution Control Board (PPCB) and effectively implement all the conditions stipulated therein.
- (x) The project proponent shall observe the mining site after every 15 days and in case, a Schedule-I or Schedule-II species as per Wildlife Act or any rare or endangered species are reported, the Mining Officer will get a conservation plan prepared in consultation with the Department of Wildlife and ensure its implementation.

- (xi) The mining of minor mineral (sand) shall be carried out only up to a depth of 3m as proposed in the approved Mining plan or above the groundwater level, whichever is less.
- (xii) The project proponent and Mining officer shall ensure that wherever deployment of labour attracts the Mines Act, the provisions thereof shall be strictly followed.
- (xiii) The project proponent shall undertake plantation/afforestation work by planting native species in the nearby area/ adjacent to the mine lease. It shall be ensured that adequate numbers (as proposed) of trees shall be planted, protected, maintained and established. (Condition no. xx of the specific condition stands deleted).
- (xiv) The project proponent shall ensure that effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the ambient air quality parameters conform to the norms prescribed by the Ministry of Environment, Forests & Climate Change (MoEF&CC) /PPCB in this regard.
- (xv) The project proponent shall undertake adequate safeguard measures during extraction of sand and ensure that due to this activity, the hydro-geological and ecological regime of the surrounding area shall not be affected. Regular monitoring of ground water level and quality shall be carried out around the mine lease area by establishing a network of existing wells, if any, and installing new piezometers during the mining operation.
- (xvi) The periodic monitoring of groundwater[(at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January)); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority (CGWA) and the data thus collected may be sent regularly to the MoEF&CC and its Regional office at Chandigarh, CGWA, the Regional Director, Central Ground Water Board; SEIAA, Punjab and PPCB. If at any stage, it is observed that the groundwater table is getting depleted or rising due to the mining activity, necessary corrective measures shall be carried out.
- (xvii) The project proponent shall obtain necessary prior permission of the competent authorities/CGWA for drawl of requisite quantity of water (surface water and groundwater), if any, required for the project.
- (xviii) In case, mining site falls in the notified block declared by the CGWA, the project proponent shall obtain necessary prior permission for drawl of requisite quantity of water for domestic purposes from District Advisory Committee (DAC) and only use treated waste water for dust suppression activities.
- (xix) Adequate numbers (as proposed) of trees shall be planted, protected, maintained and established in vacant area in the village near the mining site.

- (xx) Appropriate mitigation measures shall be taken by the project proponent to prevent pollution at the mining site in consultation with the PPCB. It shall be ensured that there is no leakage of oil and grease at the mining site from the vehicles/mining equipment used for transportation.
- (xxi) Vehicular emissions shall be kept under control and regularly monitored. The project proponent shall ensure that, as far as possible, the transportation route will be away from the habitation area and will not pass through any village. The transportation hours of mined material shall be restricted to non-peak hours only.
- (xxii) The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. All the public roads as well as approach roads shall be maintained and it shall be ensured that the tippers carrying mined material are not loaded beyond the permissible load as per the designed load bearing capacity of the road. Moreover, provision of sufficient funds shall be made in the budget for the proper maintenance of the roads.
- (xxiii) A first aid room shall be provided in the project both during construction and operations of the project.
- (xxiv) Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
- (xxv) Provision shall be made for the housing of workers, if residing at site, within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. In case of non-residential/daily workers, provision of adequate bath rooms, mobile toilets, and mobile STP shall be made to avoid open defecation and treated domestic effluent shall be discharged onto the land for plantation.
- (xxvi) The municipal solid waste generated shall be disposed of as per Solid Waste Management (SWM) Rules 2016. Segregation of bio-degradable and non-biodegradable wastes shall be done at site and disposed of as per provisions of SWM Rules. Dustbins will be provided at site and the workers will be guided to put all the waste in these dustbins. if any, in the dustbin. No littering will be permitted at the site as well as in the vicinity.
- (xxvii) The critical parameters such as Respirable Suspended Particulate Matter(RSPM) (Particulate matter with size less than 10 microns i.e., PM10) and Nitrogen oxides (NOx) in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water shall also be monitored [(Total Dissolved Solids(TDS), Dissolved Oxygen(DO), pH, Faecal Coliform and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA. II(M)

dated 27.05.2009 issued by MoEF&CC, which is available at www.envfor.nic.in shall also be referred in this regard for its compliance.

- (xxviii) The project proponent shall take all precautionary measures during mining operation for conservation and protection of rare and endangered flora & fauna found in the study area. Action plan for conservation of flora and fauna shall be prepared in consultation with the State Forest and Wildlife Department. All the safeguard measures brought out in the Wildlife Conservation Plan so prepared specific to this project site shall be effectively implemented. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. A copy of action plan shall be submitted to the Regional office of the MoEF&CC, Chandigarh and SEIAA, Punjab.
- (xxix) Vehicles hired to be used for transportation of mined material should be in good condition and should conform to the applicable air and noise emission standards as provided in the Motor Vehicles Act,1988.
- (xxx) Ambient noise levels should conform to the prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored.
- (xxxi) The risk assessment and disaster management plan should be prepared.
- (xxxii) The project proponent shall submit the site plan showing the earmarked area for storage of mined material.
- (xxxiii) No mining operation shall be carried out at any point within 75 m of railway line, 60 m from national highway, 50 m from HT line/any public works/reservoirs, tanks/canal/public roads and buildings or inhabitations or 10 m of outer edge of any village road. A safety barrier of 7.5m width shall be left intact around the mine lease boundary.
- (xxxiv) The project proponent shall ensure the implementation of the post-closure mining plan as proposed by the project proponent in the Mining plan.
- (xxxv) The project proponent shall comply with the condition imposed by District Forest Officer (DFO) while granting NOC.

General Conditions:

- (i) No change in mining technology and scope of working should be made without prior approval of the MoEF&CC.
- (ii) No change in the calendar plan including excavation, quantum of mineral sand/gravel (minor mineral) and waste should be made.
- (iii) Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10micron i.e., PM) and NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically

sensitive targets and frequency of monitoring should be undertaken in consultation with the PPCB.

- (iv) Data on ambient air quality RSPM (Particulate matter with size less than 10micron i.e., PM) & NO_x should be regularly submitted to the MoEF&CC including its Regional office located at Chandigarh and the PPCB / Central Pollution Control Board (CPCB) once in six months and SEIAA, Punjab.
- (v) Personnel working in dusty areas should wear protective respiratory devices and should be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- (vi) A separate environmental management cell with suitable qualified personnel should be set-up under the control of a senior executive, who will report directly to the head of the organization.
- (vii) The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the MoEF&CC and its Regional office located at Chandigarh and SEIAA, Punjab.
- (viii) The project proponent should inform to the Regional Office of MoEF&CC located at Chandigarh and SEIAA, Punjab regarding the date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- (ix) The Regional office of MoEF&CC located at Chandigarh and PPCB shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional office by furnishing the requisite data / information / monitoring reports.
- (x) The project proponent shall submit six-monthly reports on the status of compliance of the stipulated environmental clearance conditions including the results of monitored data (both in hard copies as well as by e-mail) to the MoEF&CC, its Regional office Chandigarh, the respective Zonal Office of CPCB , PPCB, and SEIAA, Punjab. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional office MoEF&CC, Chandigarh, the respective Zonal Office of CPCB and PPCB, and SEIAA, Punjab.
- (xi) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban Local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.

- (xii) The project proponent should display a copy of the clearance letter at the Regional office, District Industries Centre and the Collector's office/ Tehsildar's office.
- (xiii) The environmental statement for each financial year ending 31 March in Form-V as is mandated to be submitted by the project proponent to the PPCB (as prescribed under the Environment (Protection) Rules, 1986 amended from time to time), shall also be put on the website of the company along with the status of compliance of environmental clearance conditions. In addition, it shall also be sent to the Regional office of the MoEF&CC, Chandigarh and SEIAA, Punjab by e-mail.
- (xiv) The project proponent shall adhere to the commitments made in the Environment Management Plan.
- (xv) Within seven days of the issuance of EC, the project proponent shall prominently advertise (in at least two local newspapers of the District or State, of which one shall be in the vernacular language) that the project has been accorded Environmental Clearance along with the details of MoEF&CC/SEIAA website where it is displayed.
- (xvi) The MoEF&CC and SEIAA, Punjab or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- (xvii) The SEIAA may cancel the EC granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this EC, it is found/ come to the knowledge of the SEIAA that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the EC.
- (xviii) The project proponent shall get the micro chemical analysis of the mined material done from an approved laboratory once in a year and shall submit the analysis results to the MoEF&CC/PPCB and SEIAA, Punjab.
- (xix) The project proponent shall ensure that the contractor shall engage people of local area for mining purpose as far as possible, so as to have opportunities of employment for them.
- (xx) The project proponent may apply for transfer of EC under EIA notification dated 14.09.2006 to the other contractor finalized by the Department of Mines & Geology to SEIAA, Punjab. However, no activity shall be undertaken by the contractor till the EC is transferred in his name and he is lawfully bound to comply with the conditions of the EC
- (xxi) The monitoring of the mining project in respect of environment management shall be carried out by the State/District Level Environment Management Cells constituted by the Govt. of Punjab vide notifications dated 03.12.2012.
- (xxii) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days.

Additional Conditions:

- (i) 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.