

Item No. 261.07: Application for Environmental Clearance for carrying out mining of minor minerals (sand) at Village Sabhra-3, Tehsil Patti & District Tarn Taran, Punjab, by Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, Jalandhar. (Proposal No. SIA/PB/MIN/434618/2023).

The Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, Tarn Taran 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 Sabhra-3(River bed site), Tehsil Patti & District Tarn Taran, Punjab.

The Department has deposited requisite fee of Rs. 3680/- 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./Sabhra-3/1455 dated 17.05.2023.

Deliberations during 254th meeting of SEAC held on 08.08.2023.

The meeting was attended by the following:

- (i) Mr. Paras Mahajan, Assistant State Geologist.
- (ii) Mr. Maninder Pal Singh, SDO, Drainage-cum-Mining & Geology Division, Water Resources Department, Tarn Taran.
- (iii) Dr. K L Satapathy, Environmental Consultant M/s GRC India.

The Committee allowed the Department & 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 Tarn Taran Office Of Executive Engineer/ Tarn-Taran Drainage-Cum-Mining & Geology Division, Tarn-Taran. Canal Complex, Near Railway Station. Amritsar, 143001 9872997779 xenminingmohali@gmail.com
ii)	Name of Environmental Consultant Mobile No.	Grass Roots Research and Creation (P) Ltd. 0120-4044630 info@grc-india.com

	Email ID	
iii)	Online Proposal No.	SIA/PB/MIN/434618/2023
iv)	Project Name & Location	Sabhra 3 Sand Mining Project Village: Sabhra Tehsil- Patti District- Tarn Taran, 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:

S.No.	Item	Details			
i.	Category of the Project as per the EIA notification dated 14.09.2006	B2			
ii.	Hadbast No. of the Village	190			
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	
	489//4,5,6,7,13,12/1,12/2,18/1, 18/2, 19/1	Sand bar code PB-TT-SUT-12 measuring total area of 22.3 Ha mentioned in the approved DSR.	489//4,5,6,7,13,12/1,12/2,18/1, 18/2, 19/1	Balwinder Kaur Balwinder Singh Lakhwinder Singh Rajinder Kaur Lakhwinder Kaur Gurpreet Singh Gill Sital Singh	

				Kulwant Kaur
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.	<p>i. Area & Quantity details as per Mining plan and proposal</p> <p>ii. Area and permissible quantity details as per DSR</p>	<p>Area as per Mine Plan – 1.84 Ha. Quantity as per Approved Mine Plan - 16947 TPA</p> <p>Area as per DSR – 22.3 Ha. Quantity as per Approved DSR – 345425.57 TPA</p>		
vi.	Details as per Mining plan	<p>Approved by: Assistant Geologist, Punjab bearing Letter no Glg/Pb/M.P/Sabhra 3/1455. Date of Approval: 17.05.2023 Approved Mining Lease Area: 1.84 Ha. Approved Mining Quantity: 16947 TPA Depth of Mining (m): 1 m</p>		
vii.	Longitude & Latitude of the mining site	Pillar No.	Latitude	Longitude
		1.	31°9'09.72"N	74°52'22.24"E
		2.	31°9'12.26"N	74°52'20.30"E
		3.	31°9'12.35"N	74°52'17.25"E
		4.	31°9'8.34"N	74°52'17.21"E
		5.	31°9'8.33"N	74°52'13.70"E
		6.	31°9'5.48"N	74°52'13.67"E
		7.	31°9'5.54"N	74°52'14.09"E
		8.	31°9'6.31"N	74°52'15.49"E
		9.	31°9'7.73"N	74°52'16.66"E
		10.	31°9'8.93"N	74°52'18.48"E
		11.	31°9'9.21"N	74°52'20.61"E
		12.	31°9'9.43"N	74°52'21.05"E

		13.	31°9'9.39"N	74°52'21.76"E
viii.	Details of cluster formation	a) Certificate to the effect that cluster is formed submitted. b) Besides above, an undertaking to the effect that no cluster is being formed 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 03-02-2023. Copy of demarcation report submitted.		
xi.	Status of clearance under Forest Conservation Act, 1980, Wildlife Protection Act 1972 as the case may be	A copy of certificate issued by DFO, Amritsar submitted wherein it has been mentioned that the village namely Sabhra Gullewal (PB-TT-SUT-12) measuring area 12.74 Ha does not include in the area notified under section 4 & 5 of PLPA, 1900 and in the eco-sensitive zone and are not part of the any sanctuary and conservation reserve.		
xii.	Salient features of approved mining plans	Date of approval- 17-05-2023 Total Quantity-16947 tonnes		
xiii.	Method of mining	Opencast Semi-mechanized		
xiv.	No. of workers on the site when fully operational	18		
xv.	Total water requirement for domestic and other usage and its source	Domestic: 0.18 KLD Dust Suppression: 0.20 KLD Plantation: 0.92 KLD Total: 1.30 KLD		
xvi.	Waste water generation and its disposal	Nil		
xvii.	Information regarding nos of truck/trolleys per day for carrying the excavated	Transportation of RBM from mine will be done by dumpers having carriage capacity of appx. 20 tonnes or as per availability of trucks and trolleys.		

	material on the proforma prescribed in the DSR and map showing the transportation route with proper earmarking of katcha, pakka road and ROW.	Transportation route map submitted.		
xviii.	Activities to be undertaken under EMP along with its cost.	S. No.	Description	Total Cost to be Incurred (in Rs)
		1	Water Sprinkling Measures	1,00,000
		2	Haul Road and other Roads Repair	3,00,000
		3	Greenbelt Development(with tree guards)	2,31,000
			TOTAL	6,31,000
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	Distance from nearest habitation is 2.80Km.

	mining near the habitation area.																						
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 Minor Bridge 6.0 Km towards South-East																					
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 Jaloke is 7.70 Km towards North-West.																					
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"> <thead> <tr> <th>S.No</th> <th>Activity</th> <th>Capital Cost(In Rs)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Solar lamp distribution in nearby villages</td> <td>1,00,000</td> </tr> <tr> <td>2.</td> <td>Provide drinking water facility in surrounding villages and schools by constructing water tanks at schools</td> <td>50,000</td> </tr> <tr> <td>3.</td> <td>Construction of mobile toilets/septic tanks</td> <td>50,000</td> </tr> <tr> <td>4.</td> <td>Plantation of trees with tree guards</td> <td>1,00,000</td> </tr> <tr> <td>5.</td> <td>Distribution of wheel chairs for the handicapped people</td> <td>30,000</td> </tr> <tr> <td colspan="2" style="text-align: center;">TOTAL</td> <td>3,30,000</td> </tr> </tbody> </table>	S.No	Activity	Capital Cost(In Rs)	1.	Solar lamp distribution in nearby villages	1,00,000	2.	Provide drinking water facility in surrounding villages and schools by constructing water tanks at schools	50,000	3.	Construction of mobile toilets/septic tanks	50,000	4.	Plantation of trees with tree guards	1,00,000	5.	Distribution of wheel chairs for the handicapped people	30,000	TOTAL		3,30,000
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During meeting, the Committee observed that total area mentioned as 22.3 Ha, against the sand bar code PB-TT-SUT-12 as per the approved DSR of District Tarn Taran. However, as per the Sub-Divisional Committee report of Tehsil Patti, the area recommended for carrying out mining has been mentioned as 12.74 Ha against the same sand bar code. The Committee asked the Department to check the same.

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

1. The Project Proponent shall check the details of area & quantity mentioned in the approved DSR against sand bar code PB-TT-SUT-12 with the Sub-Divisional Committee report and submit the revised proposal.
2. The Project Proponent shall submit the documentary proof regarding demarcation of the proposed site.
3. The Project Proponent shall submit the revised EMP after incorporating the activities under Additional Environmental Activities.

Deliberations during 261st meeting of SEAC held on 26.09.2023.

The meeting was attended by the following:

- (i) Sh. Vishal Mehta, DMO, Tarn Taran, Department of Mines & Geology.
- (ii) Sh. Gurwinder Singh, MO, Department of Mines & Geology.
- (iii) Dr. K L Satapathy, Environmental Consultant M/s GRC India.

The Project Proponent presented the pointwise reply of the aforementioned observations raised by SEAC in its 254th meeting held on 08.08.2023.

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 Public Mining Site measuring 1.84 Ha falls within the area of 22.30 Ha as mentioned in the DSR. The Project Proponent apprised the Committee that in 22.30 Ha area, public mining is proposed to be carried out in 1.84 Ha area and commercial mining is to be carried out in the remaining area after obtaining NOCs from the respective land owners. The Committee asked the Project Proponent to submit one complete proposal of proposed mining under public & commercial mining.

The Committee observed that the proposed mining area is part of sand mining area (PB-TT-SUT-12) measuring 22.30 Ha and there is a possibility of formation of a cluster, which may result in proposal falling in a Category B1, wherein scoping is required as per the EIA notification dated

14.09.2006. Hence, separate applications for CMS and PMS falling within same bar code or cluster cannot be considered.

After detailed deliberations, the Committee decided to defer the case, till the receipt of revised proposal for entire mining site as per approved DSR including public & commercial mining.

