

Proceedings of 168th meeting of State Environment Impact Assessment Authority (SEIAA) held on 07.08.2020 at 10:30 AM in the Conference Hall No - 2, 1st Floor, MGSIPA Complex, Sector- 26, Chandigarh through Video Conference.

In the meeting, the following members were present: -

- 1) Sh. Kuldip Singh, IFS (Retd.),
Chairman, SEIAA
- 2) Sh. Charandeep Singh, PCS
Member Secretary, SEIAA
- 3) Dr. Sunil Mittal,
Member, SEIAA

Item No. 01: Confirmation of the minutes of 167th meeting of State Environment Impact Assessment Authority (SEIAA) held on 31.07.2020 respectively.

SEIAA was apprised that the draft of proceedings of 167th meeting of SEIAA held on 31.07.2020 is being prepared and the same will be circulated shortly. SEIAA directed that draft of proceedings will be prepared at the earliest without any further delay.

Item No. 02: Action taken on the proceedings of 167th meeting of SEIAA held on 31.07.2020.

SEIAA was apprised that action taken on the proceedings of 167th meeting of SEIAA held on 31.07.2020 will be taken after the confirmation of proceedings and the same will be placed in the next meeting. SEIAA directed that proceedings will be prepared at the earliest and thereafter, action will be completed without any further delay

General Discussion

Before taking up the Agenda, SEIAA was apprised that a CWP no. 10239 of 2020 titled Rahul Pathania V/s Union of India and others regarding the illegal mining has been received through email from Advocate General Punjab vide email dated 01.08.2020. The case is now listed on 25.08.2020. A copy of the same has already been circulated through e-mail on 04.08.2020. The details of the said CWP is placed at table item no. 1 in the instant Agenda. As such, the said item may please be perused first as other cases belong

to the category of mining of minor minerals. To this, SEIAA decided to first consider the CWP 10239 of 2020, and thereafter the other cases will be taken.

Table item no. 1: CWP no. 10239 of 2020 titled Rahul Pathania V/s Union of India

The facts of the matter are as under: -

It is submitted that Advocate General Punjab vide email dated 01.08.2020 informed as under: -

- (i) CWP no. 10239 of 2020 titled Rahul Pathania V/s Union of India was listed at Sr.No.207 on 31.07.2020 before Hon'ble Division Bench comprising of Justice Rajan Gupta and Justice Karamjit Singh.
- (ii) By way of the said writ petition, the petitioner has laid challenge to the e-auction notice dated 30.05.2019 Annexure P-13 for auction notice for mines and subsequent proceedings thereto, including contracts/letter of intents issued in favor of Private Respondents also prayer has been made for quashing environment clearance granted by State Level Impact Assessment Authority in its 155th Meeting and declaring clause (iii) of Clause (iv) of the 2008 Mining Policy to be ultra vires of the sustainable guidelines and EIA notification dated 14.09.2016.
- (iii) It was requested to file a reply to the petition well before the next date of hearing i.e. 25.08.2020 after getting the same vetted from the office of Advocate General.

Petitioners have raised the following main questions of law involved in the writ petition:

-

- i) Whether no mining activity can be permitted mechanically and mining is be done manually and the depth of mining shall be restricted to 3 m/water level, whichever is less?
- ii) Whether mining activity being carried out by Contractors is illegal and against the Sustainable Guidelines?
- iii) Whether each sand block was required to be prepared by the Assistant Geologist/Geologist, before putting it for auction allotment on the basis of Joint inspection Committee report?
- iv) Whether the constitution of the Joint Inspection Committee on the basis of which the Joint Inspection Committee report has been obtained is against clause 5.5.2.2 of Sand Mining Framework?

- v) Whether e-auction was required to be conducted block wise and not for individual mine, which has been done to avoid Environmental Clearance from MoEF&CC as the area of the blocks 4 and 6 is more than is 50 ha?
- vi) Whether use of machinery is against the Sustainable Guidelines and the Environmental Clearance granted by the MoEF&CC and the SEIAA, Punjab?

Petitioner has prayed before the Hon'ble Court as under: -

- i) issue a writ of certiorari quashing the e-auction notice dated 30.05.2019 attached as Annexure P-13 and subsequent proceedings taken as a result thereof, including Contracts/ Letters of Intents issued in favour of Respondents No. 5 to 9 dated 22.07.2019 Annexure P-14, dated 31.07.2019 Annexure P-15, 31.07.2019 Annexure P-16, dated 04.09.2019 Annexure P-17, dated 09.07.2019 Annexure P-18 and dated 31.07.2019 Annexure P-19;
- ii) issue a writ of certiorari quashing the Environmental Clearance granted by the State Level Impact Assessment Authority, Punjab allowed in the 155th meeting of the State Level Environment Impact Assessment Authority, attached as Annexure P-20 to this writ petition;
- iii) issue a writ of certiorari quashing the constitution of the Joint Inspection Committee and the report submitted by the Joint Inspection Committee attached as Annexure P-36 and the Joint Inspection Committee reports attached as Annexure P-37 and P-38;
- iv) issue a writ mandamus directing the official respondents to initiate criminal action for illegal mining without Environmental Clearance and use of heavy machinery and extracting minor minerals out of the running river as is evident from the photographs;
- v) declare sub-clause (iii) of Clause 4 of the sub-clause (iii) of the 2018 Mining Policy dated 26.10.2018 attached as Annexure P-5 to be ultra vires the Sustainable Guidelines and the EIA Notification dated 14.09.2006 (Annexure P-2);
- vi) during the pendency of the writ petition, Respondents No. 5 to 9 may kindly be restrained to undertake mining operations, which is against the all cannon of justice.
- vii) A Local Commissioner may kindly be ordered to be appointed.

SEIAA perused the prayer made by the petitioners in the Hon'ble High Court and felt that before considering the EC cases placed in the instant Agenda, the following main points are required to be considered by the project proponents in their presentations:

- 1) Demarcation of the mining site in the presence of the Revenue officer, Mining officer, Lambardar, project proponent/ contractor, owner of the land and owners of the adjoining land and submission of the demarcation report duly signed by them.
- 2) Submission of Final District survey report, containing apart from other details as mentioned in the guidelines of 2016, specifically including the following points: -
 - a) Recommendation regarding Environmentally safe depth of mining, safe distance from banks and suitability of site for mining or prohibition thereof, duly signed by the members of the Sub Divisional Committee comprising of Sub-Divisional Magistrate, Officers from Irrigation Department, State Pollution Control Board or Committee, Forest department, Geology or mining officer.
 - b) Replenishment study the river bed cases.
- 3) Consent of all the owners of the land in case of the private land.
- 4) Applicability of general conditions carefully considering the OM issued by the MoEF&CC dated 12.12.2018 and Notification dated 14.08.2018. The Project proponent shall provide the exact coordinates of all the corners of the site and the shortest distance of mining site from the followings: -
 - a) Protected area notified under the Wildlife (Protection Act, 1972)
 - b) Critically Polluted areas as identified by the Central Pollution Control Board from time to time,
 - c) Eco-sensitive areas as notified under section 3 of the Environment (Protection) Act, 1986,
 - d) Inter-State boundaries and international boundaries.
- 5) All the cases having a mining area >5 hectare shall be considered at par with B1 category as per OM dated 12.12.2018.
- 6) Proper justification of use of semi-mechanized/mechanized method, if any, over the manual method of mining considering the location, thickness of sand, deposition, agriculture land/river bed, with detailed calculations and benefits to be achieved for the Environment. Because as per Standard EC conditions provided in the Guidelines, 2016, manual method of mining shall be preferred over any other method.
- 7) Cross-section of the river with establishment of red line, in case of river bed mining.
- 8) Submission of an undertaking to the effect that no litigation/court case is pending before any court of law against the project and on or land in which mining is to be carried out.

- 9) Submission of an undertaking to the effect that there is no other mine within 500 m. radius from the periphery of this site.

After detailed deliberations, SEIAA decided as under: -

- 1) DECC be requested to engage an advocate in the matter.
- 2) Draft reply in the matter be prepared and same be placed in the next meeting of SEIAA so that same can be filed before the next date of hearing i.e. 25.08.2020
- 3) Project proponents of item no 168.12 to 168.21 be asked to re-examine and include the aforesaid points in their presentation.

Item No 168.01: Application for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of minor minerals On Agricultural Land in the village Chabba, Tehsil Zira, District Ferozepur, Punjab submitted by Prime Vision Industries Private Limited. (Proposal No. SIA/PB/MIN /52223 /2020)

SEIAA observed as under: -

M/s Prime Vision Industries Pvt. Ltd has applied for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) On Agricultural Land in the village Chabba, Tehsil Zira District- Ferozepur, Punjab on 09.03.2020. The project is covered under category 1 (a) of the Schedule appended to the said Notification.

Further, the said case was forwarded by SEIAA to SEAC on 14/07/2020 after scrutiny of the application and the updated status of the documents attached with the application is as under: -

1.0 Status of documents attached with the application

(A) General

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s Prime Vision Industries Pvt Ltd 312, Vishal Chamber P-1, Sector-18, Noida, Uttar Pradesh. 9646210786 Primevision.pb.ec@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	P and M solution 9910037943 Manasvyas23@gmail.com

B) Detail of the Documents

The project proponent submitted all the requisite documents as per the checklist of the mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

2.0 Deliberations during 191st meeting of SEAC held on 24.07.2020

The case was considered by SEAC in its 191st meeting held on 24.07.2020 and the same was attended by the following on behalf of the project proponent:

- (i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Manas Vyas, FAE on behalf of M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment consultant of the promoter company presented the same as under:

S.No.	Item	Details		
1.	Online Proposal No.	SIA/PB/MIN/52223/2020		
2.	Project Name & Location	Chabba Sand Mining Project At Hadbast No-28, Village-Chabba, Tehsil- Zira, District-Firozpur, Punjab		
3	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006.	Sr. No. 1(a)		
4	Details of Mining Lease			
	i) Mineral (s) to be mined	Sand		
	ii) Capacity of Mine	The Proposed production Capacity 71958.93 TPA. (Total 215876.8 MT)		
	iii) Mining Lease Area	Total area is 8.81 Ha		
	iv) Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No:1709-10 Date of Issue:09.07.2019 Validity of LOI: Three Years		
5	HadBast No.	28		
6	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No	Consent details
	1	Govt Land	-	-
	2	Private Land	[13//3(8-0), 8(7-7), 5(8-0),6(7-7),] [10//25(80),17(8-0),24/1(5-11),][17//11(8-0), 10/1(6-17),][4//19(8-	Yes

			0),22(8-0)][11//2(8-0),9(8-0),12/1(2-13),12/2(4-18),1(8-0), 10(8-0) , 21(7-12),][12//9(80), 8(7-14) ,12/1(5-17),12/2(1-12),13/2(6-4),1(7-12),10(6-19),]	
7.	Latitude & Longitude			
	S.No.	Corner	Latitude	Longitude
	1	A	31° 1'57.59"N	74°56'26.58"E
	2	B	31° 1'55.88"N	74°56'26.79"E
	3	C	31° 1'55.88"N	74°56'31.29"E
	4	D	31° 1'59.77"N	74°56'31.70"E
	5	E	31° 1'59.61"N	74°56'27.01"E
	6	F	31° 2'3.67"N	74°56'26.57"E
	7	G	31° 2'3.79"N	74°56'21.86"E
	8	H	31° 2'5.67"N	74°56'21.60"E
	9	I	31° 2'5.56"N	74°56'19.08"E
	10	J	31° 2'2.18"N	74°56'19.30"E
	11	K	31° 2'2.31"N	74°56'21.73"E
	12	L	31° 1'57.95"N	74°56'21.70"E
	13	M	31° 1'57.97"N	74°56'19.30"E
	14	N	31° 1'57.96"N	74°56'16.59"E
	15	O	31° 2'1.66"N	74°56'16.53"E
	16	P	31° 2'1.71"N	31° 2'1.71"N
	17	Q	31° 2'5.73"N	74°56'26.55"E
	18	R	31° 2'5.76"N	74°56'29.08"E
	19	S	31° 2'17.26"N	74°56'29.24"E
	20	T	31° 2'17.26"N	74°56'26.80"E
	21	U	31° 2'11.56"N	74°56'26.57"E
	22	V	31° 2'11.48"N	74°56'24.20"E
	23	W	31° 2'7.66"N	74°56'24.08"E
	24	X	31° 2'7.53"N	74°56'26.50"E
	25	Y	31° 1'49.64"N	74°55'48.95"E
	26	Z	31° 1'49.57"N	74°55'47.24"E
	27	&	31° 1'49.17"N	74°55'46.43"E
	28	@	31° 1'45.92"N	74°55'46.42"E
	29	\$	31° 1'45.99"N	74°55'48.92"E
8	Whether the project attracts the General Condition.		No	
9.	Does the project involve the diversion of forest land? If yes, a. Extent of the forest land.		No Forest NOC issued by DFO Ferozpur vide letter no 7676 dated 28.02.2020	

	b. Status of the forest clearance. If No, submit documentary proof																																								
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof	No The nearest Wild Life Sanctuary is located at Harike approximately 11.0 Km from the site.																																							
11.	Land requirement for the project	<p>Prior to the project proposal</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Ownership pattern</th> <th>Area in Ha</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Forest Land</td> <td>Nil</td> </tr> <tr> <td>ii)</td> <td>Private land</td> <td>8.81</td> </tr> <tr> <td>iii)</td> <td>Government land</td> <td>Nil</td> </tr> <tr> <td>iv)</td> <td>Revenue land</td> <td>Nil</td> </tr> <tr> <td>v)</td> <td>Other land</td> <td>Nil</td> </tr> <tr> <td>vi)</td> <td>Total land</td> <td>8.81</td> </tr> </tbody> </table> <p>Present Land use Break Up</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Land use</th> <th>Area in Ha</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Agriculture Area</td> <td>8.81</td> </tr> <tr> <td>ii)</td> <td>Waste/Barren Area</td> <td></td> </tr> <tr> <td>iii)</td> <td>Settlement</td> <td></td> </tr> <tr> <td>iv)</td> <td>Surface water Bodies</td> <td></td> </tr> <tr> <td>v)</td> <td>Other(Specify)</td> <td>Nil</td> </tr> </tbody> </table>	Sr No.	Ownership pattern	Area in Ha	i)	Forest Land	Nil	ii)	Private land	8.81	iii)	Government land	Nil	iv)	Revenue land	Nil	v)	Other land	Nil	vi)	Total land	8.81	Sr No.	Land use	Area in Ha	i)	Agriculture Area	8.81	ii)	Waste/Barren Area		iii)	Settlement		iv)	Surface water Bodies		v)	Other(Specify)	Nil
Sr No.	Ownership pattern	Area in Ha																																							
i)	Forest Land	Nil																																							
ii)	Private land	8.81																																							
iii)	Government land	Nil																																							
iv)	Revenue land	Nil																																							
v)	Other land	Nil																																							
vi)	Total land	8.81																																							
Sr No.	Land use	Area in Ha																																							
i)	Agriculture Area	8.81																																							
ii)	Waste/Barren Area																																								
iii)	Settlement																																								
iv)	Surface water Bodies																																								
v)	Other(Specify)	Nil																																							
12.	Cost of the project	Rs. 6236680.46																																							
13.	Environmental Clearance. Fee details	Rs 4405/- Vide Cheque No 033103 dated 14.06.2020 in Corporation Bank Branch																																							
14.	Details of Final District Survey Report	Approved by:- District Commissioner, Ferozepur Reference No:728 Date of Issue: 8/06/2020 Mining Lease Area: 8.81 Ha																																							
15	Details of visit report of Sub Divisional Level Committee	Submitted																																							
16	Details of Mining Plan	Approved by:- State Geologists Punjab Approval Letter No: Glg/Pb/M.P./2020/94 Date of Approval: 07.02.2020 Approved Mining Lease Area: 8.81 Ha Approved Mining Quantity: 71958.93 Tonnes per annum. Depth of Mining (m):3.0 Metres.																																							

17	Demarcation report of mining site	Date of demarcation:22.10.19 Nos of Burjis made: Nil
18.	Workers (when fully operational)	20 Persons.
19.	Water Requirements & source	Domestic: 0.20 KLD Plantation: 0.60 KLD Dust Suppression: 5.60 KLD Total: 6.40 KLD Ground water/Others: The water will be procured from the nearby villages.
20.	Wastewater generation, Treatment & its Disposal	i) Quantity of Waste water: Nil KLD (80% of water requirement) ii) Treatment Method: Portable toilets are proposed to be provided by the proponent in the mining site. After treatment will be disposed of plantation purposes.
21	Solid waste generation and its disposal	Entire Solid waste will be disposed of as per Solid Waste Management Rules, 2016.
22.	Green Belt Development Plan including no. of trees to be planted & its species.	To be submitted along with EIA/EMP report.
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	To be submitted along with EIA/EMP report.
24.	CER activities along with budgetary break-up and responsibility to implement	To be submitted along with EIA/EMP report.
25	Other important facts	<ul style="list-style-type: none"> i) 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. ii) 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. iii) All mitigation measures for each activity to be undertaken during the mining operation to minimize adverse environmental impacts as recommended in the sand mining guidelines, 2016 & Enforcement & Monitoring Guidelines for Sand Mining, 2020. iv) Compliance with various environmental regulations shall be ensured. v) Mining will be carried out as per the terms and conditions of the Auction notice no MDM/Pb/E-auction/2019/2231 dated 30.05.2019 issued by Department of Mines & Geology, Government of Punjab.

vi) Extent of Mechanization				
The mining shall be performed using a semi-mechanized method as per approved mine plan and Punjab Minor Mineral rules 2013. For mining operation excavators, dumpers and tippers have been considered. The machinery considered for sand mining has been presented below:-				
Name of Equipment	Capacity	No. of Equipment	Standby Equipment	Total
Excavator	0.90 m ³	2	-	2
Dumper	10 tonnes	5	-	5
Water tankers	As & when required	-	-	-
vii) Benefits of the Semi mechanized method. Semi mechanized method, involving minimal use of machinery and optimal no. of workers if allowed can provide the following benefits: a. Reduced duration of exposure to negative impacts of mining. b. Reduced production of sewage and solid waste at the project site to be treated. c. Reduced nuisance to the villagers. d. Feasibility to extract the required quantity and supply raw material to market to curb black marketing of minor minerals and support to the construction industry in the region. e. Reduced social menace which may be caused due to large no. of laborers, in case of completely manual operation.				
viii) The operation will be done only from sunrise to sunset hence there will be no power requirement for the project at the site.				
ix) An undertaking has been 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 the proposed site.				

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	Whether Final District Survey Report (DSR) has been approved?	The project proponent intimated that the DC Ferozepur has sent the approved DSR to the Secretary, Mining vide letter number 728 dated 08.06.2020. Sh. Manoj Bansal, Executive Engineer, Department of Mines submitted the said letter along with a signed copy of the

		DSR by the Executive Engineer, Department of Mines, Ferozepur, which was taken on record by SEAC.
2.	The project proponent is required to get the hydrogeological survey of the existing water level done and also required to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.	The project proponent agreed to the same.
3.	The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.	The project proponent agreed to the same.

SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

3.0 Recommendation of SEAC

After deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendations to issue Terms of Reference for mining of minor minerals (Sand) On Agricultural Land, located in the revenue estate of village Chabba, Tehsil Zira District- Ferozepur, Punjab submitted by M/s Prime Vision Industries Private Limited, as per Annexure-I and the following additional ToRs:

1. The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.
2. The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.

4.0 Deliberations during 168th meeting of SEIAA held on 07.08.2020

The case was placed before in its 168th meeting held on 07.08.2020 and the same was attended by the following: -

- (i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Manas Vyas, FAE on behalf of M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

Environmental Consultant of the Promoter company presented the salient features of the project and requested to issue the TORs as recommended by SEAC.

SEIAA raised the following observation to which project proponent replied as under:-

Sr No.	Observations	Reply
01	Whether General conditions on the mining site is applicable	<p>The total mining area is 8.81 ha, the land use is agricultural land and the mining site is a B2 category project as per appendix-XI of OM dated 14.08.2018. Thus, the General condition is not applicable to the mining site since the activity of mining of minor minerals of category B2 (up to 25 ha of mining lease area) is exempted from the general conditions as per the OM dated 14.08.2018.</p> <p>SEIAA was not satisfied with the reply of the project proponent.</p> <p>To this, SEIAA informed that as per OM dated 12.12.2018 issued by the MoEF&CC New Delhi, all areas from 5 to 25 Ha falling under category B2 to be considered at par with category B1 by SEIAA/SEAC as well as for cluster situation.</p>
02	Whether NOC from the concerned DFO Wildlife is obtained as the distance from the nearest wildlife sanctuary located at Harike is less than 10 KM	<p>The project proponent submitted that the extent of the eco-sensitive zone is an area of 100 m all around the boundary of Harike, wildlife sanctuary, Ferozpur as per the Notification dated 12.05.2017. A copy of the said notification was taken on record by the SEIAA. Thus, NOC from the concerned DFO Wildlife is not required to be obtained.</p>
03	What is the distance of Inter-State boundaries and	<p>No Inter-State boundaries and international boundaries exist in the radius of 5 Km from the boundary of the mining site.</p>

	international boundaries for the project mining site?	
04	As per the KML file (Google file) uploaded on the web-portal, it was observed that there were 02 mining pits and the distance between them is 770 m. Thus, the area of the second pit having co-ordinates 'YZ@\$' is required to be reduced as the separate application of Environmental Clearance for the second pit (mining site) is required to be submitted as the distance between both the mining pits is more than 500 m	The project proponent agreed to the observations of SEIAA and requested that additional TOR be imposed in this regard.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and issue TORs as proposed by SEAC with certain amendments made in Annexure-I and the following additional TOR:

- 1) The project proponent shall submit an application of Environmental Clearance after deducting the area of the second pit having co-ordinates 'YZ@\$' as a separate application of Environmental Clearance for the second pit (mining site) is required to be submitted as the distance between both the mining pits is more than 500 m.

Item No 168.02: Application for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of minor minerals on Agricultural Land in the village Chugate Wala-1&2, Tehsil Ferozepur, District Ferozepur, Punjab submitted by M/s Prime Vision Industries Private Limited.(Proposal No. SIA/PB/MIN/52385/2020)

SEAC observed as under: -

M/s Prime Vision Industries Private Limited has applied for obtaining TOR under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from Agricultural land in the revenue estate of village Chugate Wala, Tehsil Ferozepur, District Ferozepur on 16.03.2020. The project is covered under category 1 (a) of the Schedule appended to the said Notification. The site has been marked as Chugate Wala 1 and Chugate Wala 2 in the E-auction notice dated 30.05.2019. As per the certificate issued by the department of mines, both the sites namely Chugate Wala-1 and Chugate Wala-2, fall within a radius of 500 m and thus are covered under category B1. Both the sites are located in villages Chugate Wala, however, the nomenclature of Chugate Wala 1 and Chugate Wala 2 is taken as per the E-auction notice dated 30.05.2019.

Further, the said case was forwarded by SEIAA to SEAC on 08/07/2020 after scrutiny of the application and the updated status of the documents attached with the application is as under: -

1.0 Status of documents attached with the application

(A) General

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s Prime Vision Industries Pvt Ltd 312, Vishal Chamber P-1, Sector-18, Noida, Uttar Pradesh. 9646210786 Primevision.pb.ec@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	P and M solution 9910037943 Manasvyas23@gmail.com

(B) Detail of the Documents

The project proponent submitted all the requisite documents as per the checklist of the mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

2.0 Deliberations during 191st meeting of SEAC held on 24.07.2020

The case was considered by SEAC in its 191st meeting held on 24.07.2020 and the same was attended by the following on behalf of the project proponent:

- (i) Sh. Harkesh Singh, Authorized signatory, on behalf of the project proponent.
- (ii) Sh. Manas Vyas, FAE on behalf of M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment consultant of the promoter company presented the same as under:

S.No.	Item	Details		
1.	Online Proposal No.	SIA/PB/MIN/52385/2020		
2.	Project Name & Location	Chugate Wala Sand Mining Project at Hadbast No-139, Village- Chugate Wala, Tehsil- Firozpur, District-Firozpur. Punjab		
3	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	1(a) mining of mineral		
4	Details of Mining Lease			
i)	Mineral (s) to be mined	Sand		
ii)	Capacity of Mine	54707.2 TPA (Total 1,64,121.6 MT)		
iii)	Mining Lease Area	Total area is 6.20 Ha		
iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No: 1709-10 Date of Issue: 09/07/2019 Validity of LOI: NA Mining Lease Area: 6.20 Ha. Mining Quantity: 54707.2 TPA		
5	HadBast No.	139		
6	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No	Consent details
	1	Govt Land	-	-
	2	Private Land	[32//19/2 (3-18), 19/1 (3-10), 20 (8-0)] [31//16/1 (4-0), 25/2/1 (1-16), 25/2/1 (2-0)] [13//25 (8-0)], [14//21 (8-0)], [17//1(8-0),2(8-0)], [18//5(8-0)] [32//22/2 (6-0), 22/1/1 (1-0), 22/1/2 (1-0), 21/1 (4-0), 21/2 (4-0)] [31//24/2/2 (2-10), 24/1(3-10), 24/2/1 (2-0),	Yes

			25/1/3 (1-15), 25/2/2/2 (1-15), 25/1/1 (0-9)] [33//11/1 (2-0), 11/2 (6-0), 12 (7-8), 19/1 (4-0), 19/2 (4-0), 20(8-0)]	
7.	Latitude & Longitude			
	Pillar	Latitude	Longitude	
	A	31° 0'11.90"N	74°45'8.22"E	
	B	31° 0'13.95"N	74°45'8.12"E	
	C	31° 0'13.99"N	74°45'13.44"E	
	D	31° 0'16.00"N	74°45'13.40"E	
	E	31° 0'16.00"N	74°45'19.50"E	
	F	31° 0'12.04"N	74°45'19.68"E	
	G	31° 0'17.86"N	74°45'27.11"E	
	H	31° 0'17.98"N	74°45'32.23"E	
	I	31° 0'14.02"N	74°45'32.26"E	
	J	31° 0'14.06"N	74°45'27.22"E	
	K	31° 0'29.70"N	74°45'24.70"E	
	L	31° 0'33.60"N	74°45'24.70"E	
	M	31° 0'33.57"N	74°45'29.57"E	
	N	31° 0'31.63"N	74°45'29.59"E	
	O	31° 0'31.66"N	74°45'32.16"E	
	P	31° 0'29.73"N	74°45'32.15"E	
8	Whether the project attracts the General Condition.		No	
9.	Does the project involve the diversion of forest land? If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof		No, Forest NOC issued by DFO Ferozpur vide letter no 7676 dated 28.02.2020	
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof		No, as per the google map submitted, the the nearest Wild Life Sanctuary is located at Harike approximately 22.97 Km from the site.	
11.	Land requirement for the project		Prior to the project proposal	
			Sr No.	Ownership pattern
			i)	Forest Land
			ii)	Private land
			iii)	Government land
			iv)	Revenue land
				Area in Ha
				Nil
				6.20
				Nil
				Nil

		v)	Other land	Nil	
		vi)	Total land	6.20	
		Present Land use Break Up			
		Sr No.	Land use	Area in Ha	
		i)	Agriculture Area	6.20	
		ii)	Waste/Barren Area	0	
		iii)	Settlement	0	
		iv)	Surface water Bodies	0	
		v)	Other(Specify)	0	
12.	Cost of the project	Rs. 48 Lacs			
13.	Environmental Clearance. Fee details	Fees Rs 3,100/- Submitted vide DD no 033110 deposited in the corporation Bank Branch			
14.	Details of Final District Survey Report	Approved by:-District Commissioner, Ferozepur Reference No: 728 Date of Issue: 08/06/2020 Mining Lease Area: 6.20			
15	Details of visit report of Sub Divisional Level Committee	Submitted			
16	Details of Mining Plan	Approved by:-State Geologist Approval Letter No: Glg/Pb/M.P./2020/82 Date of Approval: 07.02.2020 Approved Mining Lease Area:6.20 ha Approved Mining Quantity: 54707.2 TPA Depth of Mining (m):3.0m			
17	Demarcation report of mining site	Date of demarcation: 22.10.2019 Nos of Burjis made: Nil Photographs submitted: Yes			
18.	Workers (when fully operational)	25 Persons.			
19.	Water Requirements & source	Domestic: 0.7 KLD Dust Suppression:2.88 KLD Total:3.58 KLD Ground water/Others: The water will be procured from the nearby villages.			
20.	Waste water generation, Treatment & its Disposal	a) Quantity of Waste water : 0.5 KLD (80% of water requirement) b) Treatment Method: Portable toilets are proposed to be provided by the proponent in the mining site. After treatment will be disposed of plantation purposes.			

21	Solid waste generation and its disposal	Entire Solid waste will be disposed of as per Solid Waste Management Rules, 2016.																						
22.	Green Belt Development Plan including no. of trees to be planted & its species.	To be submitted with EIA/EMP report																						
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	To be submitted with EIA/EMP report																						
24.	CER	To be submitted with EIA/EMP report																						
25	<p>Other important facts</p> <ul style="list-style-type: none"> i) 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. ii) 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. iii) All mitigation measures for each activity to be undertaken during the mining operation to minimize adverse environmental impacts as recommended in the sand mining guidelines, 2016 & Enforcement & Monitoring Guidelines for Sand Mining, 2020. iv) Compliance with various environmental regulations shall be ensured. v) Mining will be carried out as per the terms and conditions of the Auction notice no MDM/Pb/E-auction/2019/2231 dated 30.05.2019 issued by Department of Mines & Geology, Government of Punjab. vi) Extent of Mechanization <p>The mining shall be performed using a semi-mechanized method as per approved mine plan and Punjab Minor Mineral rules 2013. For mining operation excavators, dumpers and tippers have been considered. The machinery considered for sand mining has been presented below:-</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Name of Equipment</th> <th style="width: 25%;">Capacity</th> <th style="width: 25%;">No. of Equipment</th> <th style="width: 15%;">Standby Equipment</th> <th style="width: 10%;">Total</th> </tr> </thead> <tbody> <tr> <td>Excavator</td> <td style="text-align: center;">0.90 m³</td> <td style="text-align: center;">2</td> <td style="text-align: center;">-</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Dumper</td> <td style="text-align: center;">10 tonnes</td> <td style="text-align: center;">4</td> <td></td> <td style="text-align: center;">4</td> </tr> <tr> <td>Water tankers</td> <td style="text-align: center;">As & when required</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> </tbody> </table> <ul style="list-style-type: none"> vii) Benefits of Semi mechanized method Semi mechanized method, involving minimal use of machinery and optimal no. of workers if allowed can provide the following benefits: <ul style="list-style-type: none"> a. Reduced duration of exposure to negative impacts of mining. b. Reduced production of sewage and solid waste at the project site to be treated. c. Reduced nuisance to the villagers. 				Name of Equipment	Capacity	No. of Equipment	Standby Equipment	Total	Excavator	0.90 m ³	2	-	2	Dumper	10 tonnes	4		4	Water tankers	As & when required	-	-	-
Name of Equipment	Capacity	No. of Equipment	Standby Equipment	Total																				
Excavator	0.90 m ³	2	-	2																				
Dumper	10 tonnes	4		4																				
Water tankers	As & when required	-	-	-																				

	<p>d. Feasibility to extract the required quantity and supply raw material to market to curb black marketing of minor minerals and support to the construction industry in the region.</p> <p>e. Reduced social menace which may be caused due to large no. of laborers, in case of completely manual operation.</p> <p>viii) The operation will be done only from sunrise to sunset hence there will be no power requirement for the project at the site.</p> <p>ix) An undertaking has been 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 the proposed site.</p>
--	---

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	Whether Final District Survey Report (DSR) has been approved?	The project proponent intimated that the DC Ferozepur has sent the approved DSR to the Secretary, Mining vide letter number 728 dated 08.06.2020. Sh. Manoj Bansal, Executive Engineer, Department of Mines submitted the said letter along with a signed copy of the DSR by the Executive Engineer, Department of Mines, Ferozepur, which was taken on record by SEAC.
2.	The project proponent is required to get the hydrogeological survey of the existing water level done and also required to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.	The project proponent agreed to the same.
3.	The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.	The project proponent agreed to the same.

SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

3.0 Recommendation of SEAC

After deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendations to issue Terms of Reference for mining of minor minerals (Sand) on Agricultural Land on the two sites namely Chugate Wala 1 & 2, located in the revenue estate of village Chugate Wala, Tehsil Ferozepur, District Ferozepur, Punjab submitted by M/s Prime Vision Industries Private Limited as per Annexure-I and the following additional ToRs:

1. The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.
2. The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.

4.0 Deliberations during 168th meeting of SEIAA held on 07.08.2020

The case was placed before in its 168th meeting held on 07.08.2020 and the same was attended by the following: -

1. Sh. Harikesh Yadav, Authorized Signatory of the promoter company.
2. Sh. Manas Vyas, EIA Consultant from M/s P & M Solutions

SEIAA raised the following observation to which project proponent replied as under: -

Sr No.	Observations	Reply
01	What is the distance of the nearest wildlife sanctuary located at Harike to the mining site?	The project proponent submitted that mining site is 22.9 Km away from the wildlife sanctuary located at Harike
02	What is the distance of Inter-State boundaries and international boundaries for the project mining site.	No Inter-State boundaries and international boundaries exist in the radius of 5 Km from the boundary of the mining site.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and issue TORs as proposed by SEACSEAC with certain amendments made in Annexure-I.

Item No: 168.03: Application for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of minor minerals on Agricultural Land in the village Bulla, Tehsil Zira District Ferozepur, Punjab submitted by M/s Prime Vision Industries Private Limited. (Proposal No. SIA/PB/MIN/ 52432/ 2020)

SEAC observed as under: -

M/s Prime Vision Industries Private Limited has applied for issuance of Terms of Reference under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from Agricultural land in the revenue estate of village Bulla, Tehsil Zira District Ferozepur on 16.03.2020. The project is covered under category 1 (a) of the Schedule appended to the said Notification. The site falls within 500 m radius of village Beri Qadrabad, Tehsil Zira, Distt Ferozpur and the project proponent has submitted a certificate in this regard from the department of mines. The project proponent has applied separately for obtaining environmental clearance for Beri Qadrabad.

Further, the said case was forwarded by SEIAA to SEAC on 09/07/2020 after scrutiny of the application and the updated status of the documents attached with the application is as under: -

1.0 Status of documents attached with application

(A) General

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s Prime Vision Industries Pvt Ltd 312, Vishal Chamber P-1, Sector-18, Noida, Uttar Pradesh. 9646210786 Primevision.pb.ec@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	P and M solution 9910037943 Manasvyas23@gmail.com

(B) Detail of the Documents

The project proponent submitted all the requisite documents as per the checklist of the mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

The case was considered by SEAC in its 191st meeting held on 24.07.2020 and the same was attended by the following on behalf of the project proponent:

- (i) Sh. Harkesh Singh, Authorized signatory, on behalf of the project proponent.
- (ii) Sh. Manas Vyas, FAE on behalf of M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment consultant of the promoter company presented the same as under:

S.No.	Item	Details			
1.	Online Proposal No.	SIA/PB/MIN/52432/2020			
2.	Project Name & Location	Bulla Sand Mining at Hadbast No-162, at Village- Bulla, Tehsil- Zira, District-Firozpur. Punjab.			
3	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	1(a) mining of mineral			
4	Details of Mining Lease				
v)	Mineral (s) to be mined	Sand			
vi)	Capacity of Mine	59939.26 TPA (Total 1,79,817.8 MT)			
vii)	Mining Lease Area	Total area is 5.70 Ha			
viii)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No: 1709-10 Date of Issue: 09/07/2019 Validity of LOI: Three years			
5	HadBast No.	162			
6	Land Khasra No. & their consent details				
	Sr No	Type	Khasra No	Consent details	
	1	Govt Land			
	2	Private Land	[19//17(8-0) 18(8-0) 23(8-0) 24(8-0) 1(7-0)10(8-0) 11 (8-0) 20(8-0)][22//4(8-0) 7/1(1-2) 7/2/1/1(5-16)7/2/2(0-9)3(8-0)] [20//6 (1-0) 16/1(2-15)][9//21(4-13) 22(6-19) 18/2(3-10) 23(7-7)	Yes	
7.	Latitude & Longitude		Pillar No.	Latitude N	Longitude E
			A	31 0 57.76 N	75 2 49.01 E
			B	31 0 55.95 N	75 2 48.97 E
			C	31 0 55.95 N	75 2 44.80 E
			D	31 0 53.88 N	75 2 44.31 E
			E	31 0 51.95 N	75 2 44.06 E
			F	31 0 49.67 N	75 2 43.19 E

			G	31 0 49.64 N	75 2 43.94 E
			H	31 0 47.67 N	75 2 43.90 E
			I	31 0 47.70 N	75 2 42.60 E
			J	31 0 47.19 N	75 2 42.15 E
			K	31 0 46.17 N	75 2 43.56 E
			L	31 0 46.11 N	75 2 46.03 E
			M	31 0 53.97 N	75 2 46.43 E
			N	31 0 54.06 N	75 2 51.40 E
			O	31 0 56.02 N	75 2 51.34 E
			P	31 0 56.03 N	75 2 50.14 E
			Q	31 0 57.79 N	75 2 50.22 E
			R	31 0 48.10 N	75 2 53.60 E
			S	31 0 48.10 N	75 2 48.60 E
			T	31 0 42.20 N	75 2 48.60 E
			U	31 0 42.20 N	75 2 51.10 E
			V	31 0 40.30 N	75 2 51.20 E
			W	31 0 40.30 N	75 2 53.56 E
8	Whether the project attracts the General Condition.	No			
9.	Does the project involve the diversion of forest land? If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof	No, Forest NOC issued by DFO Ferozpur vide letter no 7676 dated 28.02.2020			
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, submit documentary proof	No, The nearest Wild Life Sanctuary is located at Harike approximately 11.5 Km from the site.			
11.	Land requirement for the project	Prior to the project proposal			
			Sr No.	Ownership pattern	Area in Ha
			i)	Forest Land	Nil
			ii)	Private land	5.70
			iii)	Government land	Nil
			iv)	Revenue land	Nil
			v)	Other land	Nil

		vi)	Total land	5.70
		Present Land use Break Up		
		Sr No.	Land use	Area in Ha
		vi)	Agriculture Area	5.70
		i)	Waste/Barren Area	0
		ii)	Settlement	0
		iii)	Surface water Bodies	0
		iv)	Other (Specify)	0
12.	Cost of the project	Rs. 51,90,740/-		
13.	Environmental Clearance. Fee details	Fees Rs 2,850/- Submitted vide DD no 033105 on the Corporation Bank Branch.		
14.	Details of Final District Survey Report	Approved by: -District Commissioner, Ferozpur Reference No: --728 Date of Issue: 08/06/2020 Mining Lease Area: 5.70		
15.	Details of visit report of Sub Divisional Level Committee	Submitted		
16.	Details of Mining Plan	Approved by: -State Geologist Approval Letter No: 151 Date of Approval: 14.02.2020 Approved Mining Lease Area:5.70 ha Approved Mining Quantity: 59939.26 TPA (total 179817.8 MT) Depth of Mining (m):3.0m		
17.	Demarcation report of mining site	Date of demarcation: 04.11.2019 Nos of Burjis made: Nil Photographs submitted: No		
18.	Workers (when fully operational)	15 Persons.		
19.	Water Requirements & source	Domestic: 0.5 KLD Dust Suppression:3.78 KLD Total:4.28 KLD Ground water/Others: The water will be procured from the nearby villages.		
20.	Waste water generation, Treatment & its Disposal	a) Quantity of Waste water: 0.4 KLD (80% of water requirement) b) Treatment Method: Portable toilets are proposed to be provided by the proponent in the mining site. After treatment will be disposed of plantation purposes.		

21	Solid waste generation and its disposal	Entire Solid waste will be disposed of as per Solid Waste Management Rules, 2016.																						
22.	Green Belt Development Plan including no. of trees to be planted & its species.	To be submitted along with EIA/EMP report																						
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	To be submitted along EIA/EMP report																						
24.	CER	To be submitted along EIA/EMP report																						
25	<p>Other important facts</p> <p>i) 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>ii) 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>iii) All mitigation measures for each activity to be undertaken during the mining operation to minimize adverse environmental impacts as recommended in the sand mining guidelines, 2016 & Enforcement & Monitoring Guidelines for Sand Mining, 2020.</p> <p>iv) Compliance with various environmental regulations shall be ensured.</p> <p>v) Mining will be carried out as per the terms and conditions of the Auction notice no MDM/Pb/E-auction/2019/2231 dated 30.05.2019 issued by Department of Mines & Geology, Government of Punjab.</p> <p>vi) Extent of Mechanization</p> <p>The mining shall be performed using a semi-mechanized method as per approved mine plan and Punjab Minor Mineral rules 2013. For mining operation excavators, dumpers and tippers have been considered. The machinery considered for sand mining has been presented below:-</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Name of Equipment</th> <th style="width: 25%;">Capacity</th> <th style="width: 25%;">No. of Equipment</th> <th style="width: 15%;">Standby Equipment</th> <th style="width: 10%;">Total</th> </tr> </thead> <tbody> <tr> <td>Excavator</td> <td style="text-align: center;">0.90 m³</td> <td style="text-align: center;">1</td> <td style="text-align: center;">-</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Dumper</td> <td style="text-align: center;">10 tonnes</td> <td style="text-align: center;">4</td> <td></td> <td style="text-align: center;">4</td> </tr> <tr> <td>Water tankers</td> <td style="text-align: center;">As & when required</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> </tbody> </table> <p>vii) Benefits of Semi mechanized method Semi mechanized method, involving minimal use of machinery and optimal no. of workers if allowed can provide the following benefits:</p> <p>a. Reduced duration of exposure to negative impacts of mining.</p> <p>b. Reduced production of sewage and solid waste at the project site to be treated.</p>				Name of Equipment	Capacity	No. of Equipment	Standby Equipment	Total	Excavator	0.90 m ³	1	-	1	Dumper	10 tonnes	4		4	Water tankers	As & when required	-	-	-
Name of Equipment	Capacity	No. of Equipment	Standby Equipment	Total																				
Excavator	0.90 m ³	1	-	1																				
Dumper	10 tonnes	4		4																				
Water tankers	As & when required	-	-	-																				

	<p>c. Reduced nuisance to the villagers.</p> <p>d. Feasibility to extract the required quantity and supply raw material to market to curb black marketing of minor minerals and support to the construction industry in the region.</p> <p>e. Reduced social menace which may be caused due to large no. of laborers, in case of completely manual operation.</p>
viii)	The operation will be done only from sunrise to sunset hence there will be no power requirement for the project at the site.
ix)	An undertaking has been 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 the proposed site.

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	Whether Final District Survey Report (DSR) has been approved?	The project proponent intimated that the DC Ferozepur has sent the approved DSR to the Secretary, Mining vide letter number 728 dated 08.06.2020. Sh. Manoj Bansal, Executive Engineer, Department of Mines submitted the said letter along with a signed copy of the DSR by the Executive Engineer, Department of Mines, Ferozepur, which was taken on record by SEAC.
2.	The project proponent is required to get the hydrogeological survey of the existing water level done and also required to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.	The project proponent agreed to the same.
3.	The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.	The project proponent agreed to the same.

SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

After deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendations to issue Terms of Reference for mining of minor minerals (Sand) on Agricultural Land, located in the revenue estate of village Bulla, Tehsil Zira District Ferozepur, Punjab submitted by M/s Prime Vision Industries Private Limited as per Annexure-I and the following additional TORs:

1. The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.
2. The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.

Deliberations during 168th meeting of SEIAA held on 07.08.2020

The case was placed before in its 168th meeting held on 07.08.2020 and the same was attended by the following:-

1. Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
2. Sh. Manas Vyas, FAE on behalf of M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

Environmental Consultant of the Promoter company presented the salient features of the project and requested to issue the TORs as recommended by SEAC.

SEIAA raised the following observation to which project proponent replied as under:-

Sr No.	Observations	Reply
01	What is the distance of mining site from the nearest wildlife sanctuary	The mining site is 11.0 Km away from the Harike, wildlife sanctuary, Ferozepur
02	What is the distance of Inter-State boundaries and international boundaries for the project mining site?	No Inter-State boundaries and international boundaries exist in the radius of 5 Km from the boundary of the mining site.

03	Item no. 168.03 located in in the village Bulla and item no. 168.05 located in the village Beri Qadrabad are adjoining to each other. Hence, these sites are in cluster formation being the distance between both the sites is less than 500 m. Hence, a single application of issuance of TOR was required to submit for the total area of 7.3 Ha.	Project Proponent replied that mining sites are located in the revenue estates of different villages. However, he agreed to the observations of SEIAA and requested that single TOR be issued against both of the applications.
----	---	---

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and issue TORs as proposed by SEAC with certain amendments made in Annexure-I and the following additional TOR:-

- 1) The project proponent shall submit a single application of Environmental Clearance for Item no. 168.03 and item no. 168.05 against total area of 7.3 ha located in the revenue estate of village Beri Qadrabad and village Bulla, Tehsil Zira, District Ferozepur, Punjab

Item No 168.04: Application for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of minor minerals on Agricultural Land in the village Mamdot Uttar-I, Tehsil Ferozepur, District Ferozepur, Punjab submitted by M/s Prime Vision Industries Private Limited. (Proposal No. SIA/PB/MIN/ 52767/ 2020)

SEAC observed as under: -

M/s Prime Vision Industries Private Limited has applied for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from Agricultural land in the revenue estate of village Mamdot Uttar-I, Tehsil Ferozepur District Ferozepur on 28.03.2020. The project is covered under category 1 (a) of the Schedule appended to the said Notification.

Further, the said case was forwarded by SEIAA to SEAC on 09/07/2020 after scrutiny of the application and the updated status of the documents attached with the application is as under: -

1.0 Status of documents attached with application

(A) General

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s Prime Vision Industries Pvt Ltd 312, Vishal Chamber P-1, Sector-18, Noida, Uttar Pradesh. 9646210786 Primevision.pb.ec@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	P and M solution 9910037943 Manasvyas23@gmail.com

(B) Detail of the Documents

The project proponent submitted all the requisite documents as per the checklist of the mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

2.0 Deliberations during 191st meeting of SEAC held on 24.07.2020

The case was considered by SEAC in its 191st meeting held on 24.07.2020 and the same was attended by the following on behalf of the project proponent:

- (i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Manas Vyas, FAE on behalf of M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment consultant of the promoter company presented the same as under:

S.No.	Item	Details
1.	Online Proposal No.	SIA/PB/MIN/52767/2020
2.	Project Name & Location	Mamdot Uttar-I Sand Mining Project at Hadbast No-305, Village-Mamdot Uttar, Tehsil-Ferozepur, District-Ferozepur, Punjab
3	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	1(a) mining of mineral
4	Details of Mining Lease	
ix)	Mineral (s) to be mined	Sand
x)	Capacity of Mine	77461.65 TPA (Total 232384.96 MT)
xi)	Mining Lease Area	Total area is 7.02 Ha
xii)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No: 1709-10 Date of Issue: 09/07/2019

				Validity of LOI: Three Years
5	HadBast No.			305
6	Land Khasra No. & their consent details			
	Sr. No	Type	Khasra No	Consent details
	1	Govt Land	-	-
	2	Private Land	[[74//4/2(7-11), 5(7-11), 25(8-0), 16(8-0),17/1(7-0), 23/2(2-16), 24(8-0) 77//6(8-0), 5(8-0), 4(8-0), 7(8-0), 14(8-0),15(4-0) 76//1(4-0) 56//25(8-0) 75//19(1-17), 20(8-0), 21(8-0) 55//21 (8-0), 22 (8-0)]	Yes
7.	Latitude & Longitude			
	S.No.	Corner	Latitude	Longitude
	1	A.	30°51'21.60"N	74°26'16.20"E
	2	B.	30°51'21.60"N	74°26'15.60"E
	3	C.	30°51'19.70"N	74°26'15.30"E
	4	D.	30°51'19.60"N	74°26'16.20"E
	5	E.	30°51'13.70"N	74°26'16.00"E
	6	F.	30°51'13.70"N	74°26'19.80"E
	7	G.	30°51'15.60"N	74°26'19.90"E
	8	H.	30°51'15.70"N	74°26'21.00"E
	9	I.	30°51'17.60"N	74°26'21.20"E
	10	J.	30°51'17.60"N	74°26'22.40"E
	11	K.	30°51'19.60"N	74°26'22.50"E
	12	L.	30°51'19.70"N	74°26'23.70"E
	13	M.	30°51'21.30"N	74°26'23.67"E
	14	N.	30°51'23.40"N	74°26'25.10"E
	15	O.	30°51'27.31"N	74°26'21.50"E
	16	P.	30°51'29.18"N	74°26'21.50"E
	17	Q.	30°51'29.16"N	74°26'26.46"E
	18	R.	30°51'30.97"N	74°26'26.45"E
	19	S.	30°51'31.11"N	74°26'18.92"E
	20	T.	30°51'28.25"N	74°26'18.85"E
	21	U.	30°51'27.34"N	74°26'20.34"E
	22	V.	30°51'21.60"N	74°26'16.20"E
8	Whether the project attracts the General Condition.			No
9.	Does the project involve the diversion of forest land? If yes, a. Extent of the forest land. b. Status of the forest clearance.			No, Forest NOC issued by DFO Ferozepur vide letter no 7676 dated 28.02.2020

	If No, submit documentary proof																																														
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof	No, The nearest Wild Life Sanctuary is located at Harike approximately 57.69 Km from the site.																																													
11.	Land requirement for the project	<table border="1"> <tr> <th colspan="3">Prior to the project proposal</th> </tr> <tr> <th>Sr No.</th> <th>Ownership pattern</th> <th>Area in Ha</th> </tr> <tr> <td>i)</td> <td>Forest Land</td> <td>Nil</td> </tr> <tr> <td>ii)</td> <td>Private land</td> <td>7.02</td> </tr> <tr> <td>iii)</td> <td>Government land</td> <td>Nil</td> </tr> <tr> <td>iv)</td> <td>Revenue land</td> <td>Nil</td> </tr> <tr> <td>v)</td> <td>Other land</td> <td>Nil</td> </tr> <tr> <td>vi)</td> <td>Total land</td> <td>7.02</td> </tr> <tr> <th colspan="3">Present Land use Break Up</th> </tr> <tr> <th>Sr No.</th> <th>Land use</th> <th>Area in Ha</th> </tr> <tr> <td>i)</td> <td>Agriculture Area</td> <td>7.02</td> </tr> <tr> <td>ii)</td> <td>Waste/Barren Area</td> <td>0</td> </tr> <tr> <td>iii)</td> <td>Settlement</td> <td>0</td> </tr> <tr> <td>iv)</td> <td>Surface water Bodies</td> <td>0</td> </tr> <tr> <td>v)</td> <td>Other (Specify)</td> <td>0</td> </tr> </table>	Prior to the project proposal			Sr No.	Ownership pattern	Area in Ha	i)	Forest Land	Nil	ii)	Private land	7.02	iii)	Government land	Nil	iv)	Revenue land	Nil	v)	Other land	Nil	vi)	Total land	7.02	Present Land use Break Up			Sr No.	Land use	Area in Ha	i)	Agriculture Area	7.02	ii)	Waste/Barren Area	0	iii)	Settlement	0	iv)	Surface water Bodies	0	v)	Other (Specify)	0
Prior to the project proposal																																															
Sr No.	Ownership pattern	Area in Ha																																													
i)	Forest Land	Nil																																													
ii)	Private land	7.02																																													
iii)	Government land	Nil																																													
iv)	Revenue land	Nil																																													
v)	Other land	Nil																																													
vi)	Total land	7.02																																													
Present Land use Break Up																																															
Sr No.	Land use	Area in Ha																																													
i)	Agriculture Area	7.02																																													
ii)	Waste/Barren Area	0																																													
iii)	Settlement	0																																													
iv)	Surface water Bodies	0																																													
v)	Other (Specify)	0																																													
12.	Cost of the project	Rs.67,15,925 /-																																													
13.	Environmental Clearance. Fee details	Fees Rs 3,510/- Submitted vide NEFT ref no 603724841																																													
14.	Details of Final District Survey Report	Approved by: - Deputy Commissioner Ferozepur Reference No: 728 Date of Issue: 08.06.2020 Mining Lease Area: 7.02 Ha																																													
15	Details of visit report of Sub Divisional Level Committee	Submitted																																													
16	Details of Mining Plan	Approved by:-State Geologist Approval Letter No:Glg/Pb/M.P./2020/Mamdot Uttar-1/322 Date of Approval: 20.03.2020 Approved Mining Lease Area: 7.02 Ha Approved Mining Quantity: 77461.65 TPA (Total 232384.96 MT) Depth of Mining (m):3.0m																																													
17	Demarcation report of mining site	Date of demarcation: 04.11.2019 Nos of Burjis made : No																																													
18.	Workers (when fully operational)	20 Persons.																																													

19.	Water Requirements & source	Domestic: 0.20 KLD Dust Suppression:4.0 KLD Plantation:0.57 KLD Total:4.77 KLD Ground water/Others: The water will be procured from the nearby villages.			
20.	Waste water generation, Treatment & its Disposal	a) Quantity of Waste water: 0.1 KLD (80% of water requirement) b) Treatment Method: Portable toilets are proposed to be provided by the proponent in the mining site. After treatment will be disposed of plantation purposes.			
21.	Solid waste generation and its disposal	Entire Solid waste will be disposed of as per Solid Waste Management Rules, 2016.			
22.	Green Belt Development Plan including no. of trees to be planted & its species.	To be submitted along with EIA/EMP report.			
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	To be submitted along with EIA/EMP report.			
24.	CER activities along with budgetary break-up and responsibility to implement	To be submitted along with EIA/EMP report.			
25.	<p>Other important facts</p> <ul style="list-style-type: none"> i) 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. ii) 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. iii) All mitigation measures for each activity to be undertaken during the mining operation to minimize adverse environmental impacts as recommended in the sand mining guidelines, 2016 & Enforcement & Monitoring Guidelines for Sand Mining, 2020. iv) Compliance with various environmental regulations shall be ensured. v) Mining will be carried out as per the terms and conditions of the Auction notice no MDM/Pb/E-auction/2019/2231 dated 30.05.2019 issued by Department of Mines & Geology, Government of Punjab. vi) Extent of Mechanization <p>The mining shall be performed using a semi-mechanized method as per approved mine plan and Punjab Minor Mineral rules 2013. For mining operation excavators, dumpers and tippers have been considered. The machinery considered for sand mining has been presented below: -</p>				
Name of Equipment		Capacity	No. of Equipment	Standby Equipment	Total
Excavator		0.90 m ³	2	-	2

Dumper	10 tonnes	4		4
Water tankers	As & when required	-	-	-
<p>vii) Benefits of Semi mechanized method Semi mechanized method, involving minimal use of machinery and optimal no. of workers if allowed can provide the following benefits:</p> <ol style="list-style-type: none"> a. Reduced duration of exposure to negative impacts of mining. b. Reduced production of sewage and solid waste at the project site to be treated. c. Reduced nuisance to the villagers. d. Feasibility to extract the required quantity and supply raw material to market to curb black marketing of minor minerals and support to the construction industry in the region. e. Reduced social menace which may be caused due to large no. of laborers, in case of completely manual operation. <p>viii) The operation will be done only from sunrise to sunset hence there will be no power requirement for the project at the site.</p> <p>ix) An undertaking has been 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 the proposed site.</p>				

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	Whether Final District Survey Report (DSR) has been approved?	The project proponent intimated that the DC Ferozepur has sent the approved DSR to the Secretary, Mining vide letter number 728 dated 08.06.2020. Sh. Manoj Bansal, Executive Engineer, Department of Mines submitted the said letter along with a signed copy of the DSR by the Executive Engineer, Department of Mines, Ferozepur, which was taken on record by SEAC.
2.	The project proponent is required to get the hydrogeological survey of the existing water level done and also	The project proponent agreed to the same.

	required to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.	
3.	The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.	The project proponent agreed to the same.

SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

3.0 Recommendation of SEAC

After deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendations to issue Terms of Reference for mining of minor minerals (Sand) on Agricultural Land located in the revenue estate village Mamdot Uttar-I, Tehsil Ferozepur, District Ferozepur, Punjab submitted by M/s Prime Vision Industries Private Limited as per Annexure-I and the following additional ToRs:

1. The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.
2. The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.

4.0 Deliberations during 168th meeting of SEIAA held on 07.08.2020

The case was placed before in its 168th meeting held on 07.08.2020 and the same was attended by the following:-

- (i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Manas Vyas, FAE on behalf of M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

Before allowing the presentation, SEIAA queried to the project proponent regarding the distance of the mining site from the International boundary to examine the issue of applicability of General Condition. To this, the project proponent replied that the distance of the mining site from the International boundary is 5.3 Km. SEIAA observed that the KML file with all coordinates of the mining site has not been uploaded with the application,

however, as per page no 102 of additional document i.e. 5 Km Buffer map of the study area uploaded along with the application, international boundary falls in within the radius of 5.0 Km.

To this, the project proponent sought some time to examine the matter and requested to defer the case.

After deliberations, SEIAA decided to accept the request of the project proponent, defer the case till the project proponent submits the KML file with the distance of the mining site from the International boundary.

Item No: 168.05: Application for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of minor minerals On Agricultural Land in the village Beri Qadrabad, Tehsil Zira District Ferozepur, Punjab submitted by M/s Prime Vision Industries Private Limited. (Proposal No. SIA/PB/MIN/54425/2020)

SEAC observed as under: -

M/s Prime Vision Industries Private Limited has applied for obtaining Terms of Reference under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from Agricultural land in the revenue estate of village Beri Qadrabad, Tehsil Zira District Ferozepur, Punjab on 03.07.2020. The project is covered under category 1 (a) of the Schedule appended to the said Notification. The site falls within 500 M distance of another site of village Bulla, Tehsil Zira Distt Ferozepur, due to which the project falls under category B1 and the project proponent has submitted a certificate from the department of mines in this regard.

Further, the said case was forwarded by SEIAA to SEAC on 14/07/2020 after scrutiny of the application and the updated status of the documents attached with the application is as under: -

**1.0 Status of documents attached with application
(A) General**

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s Prime Vision Industries Pvt Ltd 312, Vishal Chamber P-1, Sector-18, Noida, Uttar Pradesh. 9646210786 Primevision.pb.ec@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	P and M solution 9910037943 Manasvyas23@gmail.com

B) Detail of the Documents

The project proponent submitted all the requisite documents as per the checklist of the mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

The case was considered by SEAC in its 191st meeting held on 24.07.2020 and the same was attended by the following on behalf of the project proponent:

- (i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Manas Vyas, FAE on behalf of M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment consultant of the promoter company presented the same as under:

S.No	Item	Details		
1.	Online Proposal No.	SIA/PB/MIN/54425/2020		
2.	Project Name & Location	Beri Qadradabad Sand Mining Project Hadbast No-163		
3	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	Sr. No. 1(a) Mining of Minerals Category B1 Because the Mine lease is in cluster with Bulla Mine which has an area of 5.7 ha and thus the total Cluster area has become 7.3 ha		
4	Details of Mining Lease			
	i) Mineral (s) to be mined	Sand		
	ii) Capacity of Mine	The Proposed production Capacity 11279.4 TPA. (Total 33,838.2 MT)		
	iii) Mining Lease Area	Total area is 1.60 Ha		
	iv) Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No:1709-10 Date of Issue:09.07.2019 Validity of LOI:Three years		
5	HadBast No.	163		
6	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No	Consent details
	1	Govt Land		
	2	Private Land	[50//25/(7-11),][51//21(1-19),] [53//5 (8-0)6(7-0)15(5-0)16(1-2),][52//1(1-0)]	Yes
7.	Latitude & Longitude			
	S.No.	Corner	Latitude	Longitude
	1	A	31° 0'55.96"N	75° 2'40.99"E

	2	B	31° 0'48.87"N	75° 2'41.05"E
	3	C	31° 0'46.79"N	75° 2'41.84"E
	4	D	31° 0'48.54"N	75° 2'42.70"E
	5	E	31° 0'53.95"N	75° 2'44.58"E
	6	F	31° 0'55.97"N	75° 2'44.78"E
8	Whether the project attracts the General Condition.		No	
9.	Does the project involve the diversion of forest land? If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof		No Forest NOC issued by DFO Ferozepur vide letter no 7676 dated 28.02.2020	
10	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof		No The nearest Wild Life Sanctuary is located at Harike approximately 11.05 Km from the site.	
11.	Land requirement for the project		Prior to the project proposal	
	Sr No.	Ownership pattern	Area in Ha	
	i)	Forest Land	Nil	
	ii)	Private land	1.60	
	iii)	Government land	Nil	
	iv)	Revenue land	Nil	
	v)	Other land	Nil	
	vi)	Total land	1.60	
	Present Land use Break Up			
	Sr No.	Land use	Area in Ha	
	i)	Agriculture Area	1.60	
	ii)	Waste/Barren Area	Nil	
	iii)	Settlement	Nil	
	iv)	Surface water Bodies	Nil	
	v)	Other(Specify)	----	
12.	Cost of the project		Rs. 9,77,585/-	
13.	Environmental Clearance. Fee details		Rs 3,200/- Vide DD No 033106 dated 20.02.2020 deposited in the Corporation Bank Branch.	
14.	Details of Final District Survey Report		Approved by:- District Commissioner, Ferozepur Reference No: 728 Date of Issue: 08/06/2020	

15	Details of visit report of Sub Divisional Level Committee	Submitted
16	Details of Mining Plan	Approved by :- State Geologists Approval Letter No: Glg/Pb/M.P./2020/85 Date of Approval: 07.02.2020 Approved Mining Lease Area: 1.60 Ha Approved Mining Quantity: 11279.4 TPA Depth of Mining (m): 3 Meters
17	Demarcation report of mining site	Date of demarcation:23.10.2019 Nos of Burjis made: Nil
18.	Workers (when fully operational)	18 Persons.
19.	Water Requirements & source	Domestic: 0.18 KLD (@ 45 lpcd) Plantation: 0.15 KLD Dust Suppression: 6.40 KLD Total: 6.73 KLD Ground water/Others: The water will be procured from the nearby villages.
20.	Waste water generation, Treatment & its Disposal	a) Quantity of Waste water : 0.1 KLD (80% of water requirement) b) Treatment Method: Portable toilets are proposed to be provided by the proponent in the mining site. After treatment will be disposed of plantation purposes.
21	Solid waste generation and its disposal	Entire Solid waste will be disposed of as per Solid Waste Management Rules, 2016.
22.	Green Belt Development Plan including no. of trees to be planted & its species.	To be submitted along with EIA/EMP report.
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	To be submitted along with EIA/EMP report.
24	CER activities along with budgetary break-up and responsibility to implement	To be submitted along with EIA/EMP report.
25	Other important facts i) 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. ii) 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. iii) All mitigation measures for each activity to be undertaken during the mining operation to minimize adverse environmental impacts as recommended in	

	<p>the sand mining guidelines, 2016 & Enforcement & Monitoring Guidelines for Sand Mining, 2020.</p> <p>iv) Compliance with various environmental regulations shall be ensured.</p> <p>v) Mining will be carried out as per the terms and conditions of the Auction notice no MDM/Pb/E-auction/2019/2231 dated 30.05.2019 issued by Department of Mines & Geology, Government of Punjab.</p> <p>vi) Extent of Mechanization</p> <p>The mining shall be performed using a semi-mechanized method as per approved mine plan and Punjab Minor Mineral rules 2013. For mining operation excavators, dumpers and tippers have been considered. The machinery considered for sand mining has been presented below:-</p>				
	Name of Equipment	Capacity	No. of Equipment	Standby Equipment	Total
	Excavator	0.90 m ³	2	-	2
	Dumper	10 tonnes	2		2
	Water tankers	As & when required	-	-	-
	<p>vii) Benefits of Semi mechanized method</p> <p>Semi mechanized method, involving minimal use of machinery and optimal no. of workers if allowed can provide the following benefits:</p> <p>a. Reduced duration of exposure to negative impacts of mining.</p> <p>b. Reduced production of sewage and solid waste at the project site to be treated.</p> <p>c. Reduced nuisance to the villagers.</p> <p>d. Feasibility to extract the required quantity and supply raw material to market to curb black marketing of minor minerals and support to the construction industry in the region.</p> <p>e. Reduced social menace which may be caused due to large no. of laborers, in case of completely manual operation.</p> <p>viii) The operation will be done only from sunrise to sunset hence there will be no power requirement for the project at the site.</p> <p>ix) An undertaking has been 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 the proposed site.</p>				

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	Whether Final District Survey Report (DSR) has been approved?	The project proponent intimated that the DC Ferozpur has sent the approved DSR to the Secretary, Mining vide letter number 728 dated 08.06.2020. Sh. Manoj Bansal, Executive Engineer, Department of Mines submitted the said letter along with a signed copy of the DSR by the Executive Engineer, Department of Mines, Ferozpur, which was taken on record by SEAC.
2.	The project proponent is required to get the hydrogeological survey of the existing water level done and also required to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.	The project proponent agreed to the same.
3.	The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.	The project proponent agreed to the same.

SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

3.0 Recommendation of SEAC

After deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendations to issue Terms of Reference for mining of minor minerals (Sand) On Agricultural Land located in the revenue estate of village Beri Qadrad, Tehsil Zira District Ferozpur, Punjab submitted by M/s Prime Vision Industries Private Limited as per Annexure-I and the following additional ToRs:

1. The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.

2. The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.

4.0 Deliberations during 168th meeting of SEIAA held on 07.08.2020

The case was placed before in its 168th meeting held on 07.08.2020 and the same was attended by the following: -

- (i) Sh. Harkesh Singh, Authorised signatory, on behalf of the project proponent.
- (ii) Sh. Manas Vyas, FAE on behalf of M/s P & M Solutions, Noida, Environment Consultant of the promoter company.

Environmental Consultant of the Promoter company presented the salient features of the project and requested to issue the TORs as recommended by SEAC.

SEIAA raised the following observation to which project proponent replied as under:-

Sr No.	Observations	Reply
02	What is the distance of mining site from the nearest wildlife sanctuary	The mining site is 11.0 Km away from the Harike, wildlife sanctuary, Ferozepur
03	What is the distance of Inter-State boundaries and international boundaries for the project mining site?	No Inter-State boundaries and international boundaries exist in the radius of 5 Km from the boundary of the mining site.
04	Item no. 168.03 located in in the village Bulla and item no. 168.05 located in the village Beri Qadrabad are adjoining to each other. Hence, these sites are in cluster formation being the distance between both the sites is less than 500 m. Hence, a single application of issuance of TOR was required to submit for the total area of 7.3 Ha.	Project Proponent replied that mining sites are located in the revenue estates of different villages. However, he was agreed to the observations of SEIAA and requested that single TOR be issued against both of the ORs applications.

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and issue TORs as proposed by SEAC with certain amendments made in Annexure-I and the following additional TOR:-

- 1) The project proponent shall submit a single application of Environmental Clearance for Item no. 168.03 and item no. 168.05 against total area of 7.3 ha located in the revenue estate of village Beri Qadrad and village Bulla, Tehsil Zira, District Ferozepur, Punjab

Item No 168.06: Application for obtaining TOR under EIA notification dated 14.09.2006 for mining of minor minerals from river bed in the Village Kaniyan Husaini, Tehsil – Jagraon, District Ludhiana, Punjab submitted by M/s Mahadev Enclave Private Limited. (Proposal No. SIA/PB/MIN/50893/2020)

SEAC observed as under: -

M/s Mahadev Enclave Private Limited has applied for obtaining TOR under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from river bed in the revenue estate of village Kaniyan Husaini, Tehsil – Jagraon, District Ludhiana, Punjab on 17.02.2020. The project is covered under Schedule 1(a) of the Schedule appended to the said notification.

Further, the said case was forwarded by SEIAA to SEAC on 09/07/2020 after scrutiny of the application and the updated status of the documents attached with the application is as under:-

1.0 Status of documents attached with application
(A) General

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s MAHADEV ENCLAVE PRIVATE LIMITED B-37 Ayodhaya Marg, Hanuman Nagar, Jaipur, Rajasthan +91 9780625432 avnit.kaushal@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	Eco Laboratories & Consultants Pvt. Ltd. 9814003103, 0172461622 consulteco@yahoo.com

B) Detail of the Documents

The project proponent submitted all the requisite documents as per the checklist of the mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

2.0 Deliberations during 191st meeting of SEAC held on 24.07.2020

The case was considered by SEAC in its 191st meeting held on 24.07.2020 and the same was attended by the following on behalf of the project proponent:

- (i) Sh. Manoj Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Ms. Simran Kaur, EIA coordinator, M/s Eco Laboratories and Consultants Pvt. Ltd., Mohali, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment consultant of the promoter company presented the same as under:

S.No.	Item	Details		
1.	Online Proposal No.	SIA/PB/MIN/50893/2020		
2.	Project Name & Location	Sand Mining Project Village: Kaniyan Husaini, Tehsil: Jagraon, District: Ludhiana, Punjab by M/s Mahadev Enclave Private Limited		
3.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	1(a) Mining of Minor Minerals		
4.	Details of Mining Lease			
i)	Mineral (s) to be mined	Sand		
ii)	Capacity of Mine	80,502 TPA		
iii)	Mining Lease Area	8.01 Ha		
iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Memo No. 1214-15/E-Auction/2019 Date of Issue: 09/07/2019 Validity of LOI: NA Mining Lease Area: 8.01 ha Mining Quantity: 80,502 TPA		
5.	Hadbast No.	180		
6.	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No.	Consent details
	1	Govt. Land	-	
	2	Private Land	40//16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 39//11, 12, 13, 14, 15, 20, 21, 25, 41//16, 25	Submitted
7.	Latitude & Longitude	PIT 1		

		Pillar No.	Latitude	Longitude
		1	30°58'21.38"N	75°25'38.71"E
		2	30°58'21.35"N	75°25'53.40"E
		3	30°58'23.35"N	75°25'53.57"E
		4	30°58'23.10"N	75°26'6.45"E
		5	30°58'21.35"N	75°26'6.64"E
		6	30°58'21.39"N	75°25'56.47"E
		7	30°58'17.56"N	75°25'56.44"E
		8	30°58'17.56"N	75°25'38.71"E
		PIT-II		
		1	30°58'19.27"N	75°26'4.00"E
		2	30°58'19.19"N	75°26'6.61"E
		3	30°58'17.47"N	75°26'6.46"E
		4	30°58'17.53"N	75°26'4.11"E
8.	Whether the project attracts the General Condition.	No		
9.	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, Letter from DFO Ludhiana has been obtained vide letter No.542 dated 03.06.2020.		
10.	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, submit documentary proof	No. wildlife sanctuary/bird sanctuary falls within 10 km radius of the project site. As per the Google Map submit by the project proponent the Harike Bird Sanctuary falls at a distance of 50.64 KM.		
11.	Land requirement for the project	Prior to the project proposal		
		Sr No.	Ownership pattern	Area in Ha.
		i)	Forest Land	-
		ii)	Private land	8.01
		iii)	Government land	-
		iv)	Revenue land	-
		v)	Other land	-
		vi)	Total land	8.01
		Present Land use Break Up		
		Sr No.	Land use	Area in Ha.
		i)	Agriculture Area	-
		ii)	Waste/Barren Area	-
		iii)	Grazing/community Area	-
		iv)	Surface water Bodies	-
		v)	Other (Specify)	8.01
12.	Cost of the project	Rs. 2.05 Crores		

13.	Environmental Clearance. Fee details	Rs. 4,005/- vide NEFT No. 5038780798 dated 12.05.2020		
14.	Details of Final District Survey Report	Approved by:-Approved DSR not submitted Mining Lease Area: 8.01 Ha. Mining Quantity: 80,502 TPA		
15.	Details of visit report of Sub Divisional Level Committee	Not submitted		
16.	Details of Mining Plan	Approved by:- State Geologist (Department of Mines and Geology, Punjab) Approval Letter No.: Glg/Pb/M.P./2020/ Kaniyan Husaini/162 Date of Approval: 14.02.2020 Approved Mining Lease Area: 8.01 Ha. Approved Mining Quantity: 80,502 TPA Depth of Mining (m): 2.92 m		
17.	Demarcation report of mining site	Date of demarcation: 16.10.2019 No.s of Burjis made: Nil Photographs submitted: Yes		
18.	Workers(when fully operational)	30 Persons.		
19.	Water Requirements & source	Domestic: 2.10 KLD Dust Suppression: 1.25 KLD Total: 2.35 KLD Ground water/Others: Source is water tanker .		
20.	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water : 1.7 KLD (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal : Plantation purpose.		
21.	Solid waste generation and its disposal	Solid waste @ 6 kg/day will be generated which will be disposed to the dump site of the nearest village.		
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting (if any) : Nil No. of plant to be planted:210 No.s Funds Allocated per annum: Rs. 0.50 lacs		
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	Mr. Avnit Kaushal will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.		
	Sr. No.	Description	Capital Cost (lakhs)	Recurring Cost (lakhs/annum)
	1	Air Quality a) Monitoring in the vicinity of the mine b) Monitoring in the vicinity of the transportation network c) Cost of dust suppression	-	1.00

	2	Water quality of surface and ground water around the site	-	1.00																				
	3	Ambient Noise Level	-	0.50																				
	4	Soil Quality	-	0.70																				
	5	Socio-economic condition of local, population, physical survey	1	0.80																				
	6	Inventory of flora (tree plantation, survival, etc) & Fauna	1	0.50																				
	7	Man power cost for environmental cell	0.50	0.50																				
		TOTAL	2.50 Lakhs	5.00 Lakhs																				
24.	<p>CER activities along with budgetary break-up and responsibility to implement Mr. Kartik Rathi (Director) of M/s. Mahadev Enclave Private Limited will be responsible for the implementation of Corporate Environmental Responsibility (CER). As the project cost is Rs. 2.05 Crores and Rs. 4.10 Lacs have been reserved for CER activities as per Office Memorandum of CER dated 01.05.2018. It was proposed to spent on the followings: -</p> <ul style="list-style-type: none"> i) Rs. 2.0 lac for providing drinking water facility, Toilets, and maintenance of building in Gurudwara Sahib, Kaniyan Husaini ii) Rs. 1.05 lacs for providing solar light on Kaniyan Husaini village roads (rasta) in consultation with the local panchayat. iii) Rs. 1.05 lacs for plantation in community area in consultation with the local panchayat. 																							
25.	<p>Other important facts</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) All mitigation measures for each activity to be undertaken during the mining operation to minimize adverse environmental impacts as recommended in the sand mining guidelines, 2016 & Enforcement & Monitoring Guidelines for Sand Mining, 2020. iii) Compliance with various environmental regulations shall be ensured. iv) Mining will be carried out as per the terms and conditions of the Auction notice no MDM/Pb/E-auction/2019/2231 dated 30.05.2019 issued by Department of Mines & Geology, Government of Punjab. v) Extent of Mechanization The mining shall be performed using a semi-mechanized method as per approved mine plan and Punjab Minor Mineral rules 2013. For mining operation excavators, dumpers and tippers have been considered. The machinery considered for sand mining has been presented below:- <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name of Equipment</th> <th style="text-align: left;">Capacity</th> <th style="text-align: left;">No. of Equipment</th> <th style="text-align: left;">Standby Equipment</th> <th style="text-align: left;">Total</th> </tr> </thead> <tbody> <tr> <td>Excavator</td> <td>0.90 m³</td> <td style="text-align: center;">2</td> <td style="text-align: center;">1</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Dumper</td> <td>20 tonnes</td> <td style="text-align: center;">6</td> <td></td> <td style="text-align: center;">6</td> </tr> <tr> <td>Water tankers</td> <td>As & when</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> </tbody> </table>				Name of Equipment	Capacity	No. of Equipment	Standby Equipment	Total	Excavator	0.90 m ³	2	1	3	Dumper	20 tonnes	6		6	Water tankers	As & when	-	-	-
Name of Equipment	Capacity	No. of Equipment	Standby Equipment	Total																				
Excavator	0.90 m ³	2	1	3																				
Dumper	20 tonnes	6		6																				
Water tankers	As & when	-	-	-																				

		required				
	vi)	Benefits of Semi mechanized method Semi mechanized method, involving minimal use of machinery and optimal no. of workers if allowed can provide the following benefits:				
		a. Reduced duration of exposure to negative impacts of mining.				
		b. Reduced production of sewage and solid waste at the project site to be treated.				
		c. Reduced nuisance to the villagers.				
		d. Feasibility to extract the required quantity and supply raw material to market to curb black marketing of minor minerals and support to the construction industry in the region.				
		e. Reduced social menace which may be caused due to large no. of laborers, in case of completely manual operation.				
	vii)	The operation will be done only from sunrise to sunset hence there will be no power requirement for the project at the site.				
	viii)	An undertaking has been 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 the proposed site.				

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	Whether Final District Survey Report (DSR) has been approved?	The project proponent intimated that the DSR has been revised by the DEIAA. However, no formal letter has been issued by the DC, Ludhiana to the Mining Department in this regard. Further, Sh. Paras Mahajan, Assistant Geologist informed the committee that the earlier DSR was having the name of this site. As such, no where it has been specified that the DSR should be mentioning the Khasra numbers. Thus, the older DSR be accepted for issuing of ToRs to the project proponent. Sh. Manoj Bansal, Executive Engineer, Department of Mines submitted a copy of the revised DSR signed by the Executive Engineer, Department of Mines, Ferozepur. He assured that the revised DSR letter will be obtained from DC, Ludhiana at the earliest in this regard. He also intimated the committee that the revised DSR had been uploaded by the DC

		Ludhiana on his website, which was checked online.
2.	Whether permission from DFO has been obtained?	The project proponent submitted that the permission has been obtained from the DFO Ludhiana vide letter no. 542 dated 30.06.2020 and showed the same to the committee.
3.	Whether the report from Sub Divisional Committee has been obtained regarding the suitability of the site for mining?	The project proponent showed a copy of the Sub Divisional Committee regarding suitability of the site. However, the said report was not bearing any date. To this observation, the project proponent intimated that the e-Auction of the mines is carried out only after a report from the Sub Divisional Committee and since the auction has already been carried out, it would be possible only after the proper report from the Sub Divisional Committee. SEAC agreed to the same.
4.	The project proponent is required to get the hydrogeological survey of the existing water level done and also required to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.	The project proponent agreed to the same.
5.	The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.	The project proponent agreed to the same.

SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

3.0 Recommendation of SEAC

After deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendations for to issue Terms of Reference mining of minor minerals (Sand) on river bed located in the revenue estate of village Kaniyan Husaini, Tehsil Jagraon, District Ludhiana, Punjab submitted by M/s Mahadev Enclave Private Limited, as per Annexure-I and the following additional ToRs:

1. The project proponent shall submit the revised approved DSR endorsed by the DC, Ludhiana clearly mentioning the Khasra Numbers of the site at the time of submission of the EIA report.
2. The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.
3. The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.
4. The project proponent shall submit the route plan for transporting the minor minerals from the project site. The vehicles should not pass through the river bed.

4.0 Deliberations during 168th meeting of SEIAA held on 07.08.2020

The case was placed before in its 168th meeting held on 07.08.2020 and the same was attended by the following:-

1. Sh. Manoj Kumar, Authorized Signatory of the promoter company.
2. Ms. Simran Kaur, EIA coordinator, M/s Eco Laboratories Pvt. Ltd. Mohali

Environmental Consultant of the Promoter company presented the salient features of the project and requested to issue the TORs as recommended by SEAC.

SEIAA raised the following observation to which project proponent replied as under:-

Sr No.	Observations	Reply
1.	How far away Critically Polluted Area Limit from the mining site?	Site is more than 30 Km away from the Critically Polluted Area Limit of Ludhiana City
2.	Pit no. 2 is very small in the area and have no meaning left after leaving offsets to the adjoining area.	The project proponent requested that TOR be issued to the project with additional TOR to reduce the area of the pit no. 2 while

		submitting the application of Environmental Clearance
--	--	---

After detailed deliberations, SEIAA decided to accept the recommendations of SEAC and issue TORs as proposed by SEAC with certain amendments made in Annexure-I and the following additional TORs-

Additional TORs

The project proponent shall submit the application of Environmental Clearance after deducting the area of the small pit.

Item No 168.07: Application for obtaining TOR under EIA notification dated 14.09.2006 for mining of minor minerals on river bed in the village Talwandi Kalan, Tehsil –Ludhiana West, District Ludhiana, Punjab submitted by M/s Mahadev Enclave Private Limited. (Proposal No. SIA/PB/MIN/50897/2020)

SEAC observed as under: -

M/s Mahadev Enclave Private Limited has applied for obtaining TOR under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from river bed in the revenue estate of village Talwandi Kalan, Tehsil –Ludhiana West, District Ludhiana, Punjab on 19.02.2020. The project is covered under S.No. 1(a) of the Schedule appended to the said notification.

Further, the said case was forwarded by SEIAA to SEAC on 09/07/2020 after scrutiny of the application and the updated status of the documents attached with the application is as under: -

1.0 Status of documents attached with the application

(A) General

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s MAHADEV ENCLAVE PRIVATE LIMITED B-37 Ayodhaya Marg, Hanuman Nagar, Jaipur, Rajasthan +91 9780625432 avnit.kaushal@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	Eco Laboratories & Consultants Pvt. Ltd. 9814003103, 0172461622 consulteco@yahoo.com

B) Detail of the Documents

The project proponent submitted all the requisite documents as per the checklist of the mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

2.0 Deliberations during 191st meeting of SEAC held on 24.07.2020

The case was considered by SEAC in its 191st meeting held on 24.07.2020 and the same was attended by the following on behalf of the project proponent:

- (i) Sh. Manoj Kumar, Authorised signatory, on behalf of the project proponent.

- (ii) Ms. Simran Kaur, EIA coordinator, M/s Eco Laboratories and Consultants Pvt. Ltd., Mohali, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment consultant of the promoter company presented the same as under:

S.No.	Item	Details		
1.	Online Proposal No.	SIA/PB/MIN/50897/2020		
2.	Project Name & Location	Sand Mining Project Village: Talwandi Kalan, Tehsil: Ludhiana West, District: Ludhiana, Punjab by M/s Mahadev Enclave Private Limited		
3.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	1(a) Mining of Minor Minerals		
4.	Details of Mining Lease			
i)	Mineral (s) to be mined	Sand		
ii)	Capacity of Mine	2,40,551.30 TPA		
iii)	Mining Lease Area	6.48 Ha		
iv)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Memo No. MDM/Pb/E-Auction/2019 2231 Date of Issue: 30/05/2019 Validity of LOI: NA Mining Lease Area: 6.48 Ha. Mining Quantity: 2,40,551.30 TPA		
5.	Hadbast No.	94		
6.	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No.	Consent details
	1	Govt. Land	-	-
	2	Private Land	9//1/2, 2/1, 10/1, 11/2, 12/1, 19/2, 20/1, 21/2, 22/1, 10//1/1, 10, 10//3, 5, 6/1, 7/1, 8/1, 9/1, 1//1/24, 25, 9//1/1, 2//21/2	Submitted
7.	Latitude & Longitude			
	PIT 1			
	Pillar No.	Latitude	Longitude	
	1	30°59'32.43"N	75°48'0.74"E	
	2	30°59'38.40"N	75°48'0.81"E	
	3	30° 59'38.40"N	75°47'47.91"E	
	4	30° 59'41.98"N	75°47'47.93"E	

	5	30° 59'42.06"N	75°47'49.89"E																														
	6	30° 59'40.14"N	75°47'49.85"E																														
	7	30° 59'40.10"N	75°47'52.98"E																														
	8	30° 59'42.35"N	75°47'53.00"E																														
	9	30° 59'42.52"N	75°47'55.60"E																														
	10	30° 59'42.73"N	75°47'58.42"E																														
	11	30° 59'42.92"N	75°48'1.19"E																														
	12	30° 59'43.02"N	75°48'3.08"E																														
	13	30° 59'41.98"N	75°48'3.10"E																														
	14	30° 59'41.93"N	75°48'5.04"E																														
	15	30° 59'39.98"N	75°48'5.00"E																														
	16	30° 59'39.97"N	75°48'3.07"E																														
	17	30° 59'38.04"N	75°48'3.09"E																														
	18	30° 59'38.03"N	75°48'5.01"E																														
	19	30° 59'32.40"N	75°48'4.98"E																														
8.	Whether the project attracts the General Condition.		No protected area/critically polluted area/ Eco-sensitive area/inter-state/ UT Boundaries and International Boundary/ Severely Polluted Area falls within 5 km radius of the project site. Thus, general conditions are not applicable.																														
9.	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 Forest NOC has been submitted.																														
10.	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof		No wildlife sanctuary/bird sanctuary falls within 10 km radius of the project site. As per the Google Map submitted by the project proponent the nearest Sanctuary falls at a distance of 65.23 KM.																														
11.	Land requirement for the project		<table border="1"> <thead> <tr> <th colspan="3">Prior to the project proposal</th> </tr> <tr> <th>Sr No.</th> <th>Ownership pattern</th> <th>Area in Ha.</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Forest Land</td> <td>-</td> </tr> <tr> <td>ii)</td> <td>Private land</td> <td>6.48</td> </tr> <tr> <td>iii)</td> <td>Government land</td> <td>-</td> </tr> <tr> <td>iv)</td> <td>Revenue land</td> <td>-</td> </tr> <tr> <td>v)</td> <td>Other land</td> <td>-</td> </tr> <tr> <td>vi)</td> <td>Total land</td> <td>6.48</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th colspan="3">Present Land use Break Up</th> </tr> <tr> <th>Sr No.</th> <th>Land use</th> <th>Area in Ha.</th> </tr> </thead> <tbody> </tbody> </table>	Prior to the project proposal			Sr No.	Ownership pattern	Area in Ha.	i)	Forest Land	-	ii)	Private land	6.48	iii)	Government land	-	iv)	Revenue land	-	v)	Other land	-	vi)	Total land	6.48	Present Land use Break Up			Sr No.	Land use	Area in Ha.
Prior to the project proposal																																	
Sr No.	Ownership pattern	Area in Ha.																															
i)	Forest Land	-																															
ii)	Private land	6.48																															
iii)	Government land	-																															
iv)	Revenue land	-																															
v)	Other land	-																															
vi)	Total land	6.48																															
Present Land use Break Up																																	
Sr No.	Land use	Area in Ha.																															

		i)	Agriculture Area	-
		ii)	Waste/Barren Area	-
		iii)	Grazing/community Area	-
		iv)	Surface water Bodies	-
		v)	Other(Specify)	6.48
12.	Cost of the project	Rs. 6.20 Crores		
13.	Environmental Clearance. Fee details	Rs. 3,240/- (25% @ Rs. 2000 per ha.) Vide NEFT No. 5038780931, dated 12.05.2020.		
14.	Details of Final District Survey Report	Approved by: Not Approved		
15.	Details of visit report of Sub Divisional Level Committee	Not submitted		
16.	Details of Mining Plan	<p>Approved by:- State Geologist (Department of Mines and Geology, Punjab)</p> <p>The mining plan seems to be forged as no of pages were not heaving approval stamps from the department of mines and geology and also numbering of the pages the mining plan were changes by hand with help of whitener.</p> <p>Approval Letter No.: GLG/Pb/M.P./Talwandi Kalan/228</p> <p>Date of Approval: 24.02.2020</p> <p>Approved Mining Lease Area: 6.48 Ha.</p> <p>Approved Mining Quantity: 2,40,551.30 TPA for three years</p> <p>Depth of Mining (m): not mentioned in the mining plan.</p>		
17.	Demarcation report of mining site	<p>Date of demarcation: 05.08.2019</p> <p>No.s of Burjis made: Nil</p> <p>Photographs submitted: Yes</p>		
18.	Workers(when fully operational)	34 Persons.		
19.	Water Requirements & source	<p>Domestic: 1.0 KLD</p> <p>Dust Suppression: 3.0 KLD</p> <p>Total: 4.0 KLD</p> <p>Ground water/Others: Source is water tanker .</p>		
20.	Waste water generation, Treatment & its Disposal	<p>a) Quantity of Waste water : 0.8 KLD</p> <p>b) (80% of water requirement)</p> <p>c) Treatment Method: Septic Tank</p> <p>d) Mode of Disposal : Plantation purpose.</p>		
21.	Solid waste generation and its disposal	Solid waste @ 6.8 kg/day will be generated which will be disposed to the dump site of the nearest village.		

22.	Green Belt Development Plan including no. of trees to be planted & its species.	To be submitted along with EIA/EMP report.
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	To be submitted along with EIA/EMP report.
24.	CER activities along with budgetary break-up and responsibility to implement.	To be submitted along with EIA/EMP report.
25.	<p>Other important facts</p> <ul style="list-style-type: none"> i) 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. ii) 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. iii) All mitigation measures for each activity to be undertaken during the mining operation to minimize adverse environmental impacts as recommended in the sand mining guidelines, 2016 & Enforcement & Monitoring Guidelines for Sand Mining, 2020. iv) Compliance with various environmental regulations shall be ensured. v) Mining will be carried out as per the terms and conditions of the Auction notice no MDM/Pb/E-auction/2019/2231 dated 30.05.2019 issued by Department of Mines & Geology, Government of Punjab. vi) Extent of Mechanization The mining shall be performed using a semi-mechanized method as per approved mine plan and Punjab Minor Mineral rules 2013. For mining operation excavators, dumpers and tippers have been considered. The machinery considered for sand mining has been presented below:- vii) Benefits of Semi mechanized method Semi mechanized method, involving minimal use of machinery and optimal no. of workers if allowed can provide the following benefits: <ul style="list-style-type: none"> a. Reduced duration of exposure to negative impacts of mining. b. Reduced production of sewage and solid waste at the project site to be treated. c. Reduced nuisance to the villagers. d. Feasibility to extract the required quantity and supply raw material to market to curb black marketing of minor minerals and support to the construction industry in the region. e. Reduced social menace which may be caused due to large no. of laborers, in case of completely manual operation. viii) The operation will be done only from sunrise to sunset hence there will be no power requirement for the project at the site. ix) An undertaking has been 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 the proposed site. 	

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	Whether permission from DFO has been obtained?	The project proponent showed the committee the letter issued by the DFO Ludhiana bearing number 1507 dated 13.07.2020 to the District Mining Officer, Ludhiana. As per the said letter, the DFO has rejected the NOC for the said site to the project proponent.

SEAC observed that since the NOC has been rejected by the DFO, the site cannot be considered by the committee for issuance of ToRs. After detailed deliberations, SEAC decided to reject the application submitted by the project proponent.

4.0 Deliberations during 168th meeting of SEIAA held on 07.08.2020

The case was placed before in its 168th meeting held on 07.08.2020 and the same was attended by the following: -

1. Sh. Manoj Kumar, Authorized Signatory of the promoter company.
2. Ms. Simran Kaur, EIA coordinator, M/s Eco Laboratories Pvt. Ltd. Mohali

SEIAA perused the agenda note and observed as under:

- i) The mining plan seems to be forged as some of the pages were not having an approval stamp from the Department of Mines & Geology and also numbering of the pages of the mining plans were changed with the help of whitener.
- ii) District Forest Officer Ludhiana vide letter no. 1507 dated 13.07.2020 has rejected the NOC for the mining site.

After detailed deliberations, SEIAA decided as under: -

1. To accept the recommendation of the SEAC and reject the application submitted by the project proponent.
2. Executive Engineer, Department of mining be asked to submit a copy of the mining plan duly verified by the State geologist to SEIAA. He shall also enquire the matter

regarding the forging of the mining plan and submit action taken report against the person in case allegations were found true.

Item No 168.08: Application for obtaining TOR under EIA notification dated 14.09.2006 for mining of minor minerals an agricultural land (off-channel site) in the village Kumb Kalan, Tehsil Ludhiana East, District Ludhiana, Punjab submitted by M/s Mahadev Enclave Private Limited. Proposal No. SIA/PB/MIN/50931/2020)

SEAC observed as under: -

M/s Mahadev Enclave Private Limited has applied for obtaining TOR under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from an agricultural land (off-channel site) in the revenue estate of village Kumb Kalan, Tehsil Ludhiana East, District Ludhiana, Punjab on 20.02.2020. The project is covered under S.No. 1 (a) of the Schedule appended to the said notification.

Further, the said case was forwarded by SEIAA to SEAC on 14/07/2020 after scrutiny of the application and the updated status of the documents attached with the application is as under: -

1.0 Status of documents attached with application

A) General

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s Mahadev Enclave Private Limited B-37 Ayodhaya Marg, Hanuman Nagar, Jaipur, Rajasthan +91 9780625432 avnit.kaushal@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	Eco Laboratories & Consultants Pvt. Ltd. 9814003103, 0172461622 consulteco@yahoo.com

B) Detail of the Documents

The project proponent submitted all the requisite documents as per the checklist of the mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

2.0 Deliberations during 191st meeting of SEIAA held on 24.07.2020

The case was considered by SEAC in its 191st meeting held on 24.07.2020 and the same was attended by the following on behalf of the project proponent:

- (i) Sh. Manoj Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Ms. Simran Kaur, EIA coordinator, M/s Eco Laboratories and Consultants Pvt. Ltd., Mohali, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment consultant of the promoter company presented the same as under:

S.No.	Item	Details		
1.	Online Proposal No.	SIA/PB/MIN/50931/2020		
2.	Project Name & Location	Sand Mining Project Village: Kumb Kalan, Tehsil: Ludhiana (east), District: Ludhiana, Punjab M/s Mahadev Enclave Private Limited		
3.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	1(a) Mining of Minor Minerals		
4.	Details of Mining Lease			
i.	Mineral (s) to be mined	Sand		
ii.	Capacity of Mine	60,757 TPA		
iii.	Mining Lease Area	5.67 Ha		
iv.	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Reference No: Memo No. MDM/PB/E-Auction/2019/2231 Date of Issue: 30/05/2019 Validity of LOI: NA Mining Lease Area: 5.67 Mining Quantity: 60,757 TPA (Total:182273 MT)		
5.	Hadbast No.	195		
6.	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No.	Consent details
	1	Govt. Land	-	-

2	Private Land	24//21, 25//25, 29//3, 4, 5, 6/1, 7/2, 8/1, 9/2, 30//1, 2, 3, 4, 5, 6/1, 7/2, 8/1, 9/2, 10/1	Submitted																																							
7.	Latitude & Longitude																																									
	<table border="1"> <thead> <tr> <th>Corner</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td></td> <td colspan="2" style="text-align: center;">PIT-I</td> </tr> <tr> <td>1</td> <td>30°55'48.65"N</td> <td>76°3'26.52"E</td> </tr> <tr> <td>2</td> <td>30°55'50.42"N</td> <td>76°3'28.76"E</td> </tr> <tr> <td>3</td> <td>30°55'50.80"N</td> <td>76°3'28.78"E</td> </tr> <tr> <td>4</td> <td>30°55'51.58"N</td> <td>76°3'30.13"E</td> </tr> <tr> <td>5</td> <td>30°55'52.68"N</td> <td>76°3'30.06"E</td> </tr> <tr> <td>6</td> <td>30°55'52.87"N</td> <td>76°3'31.41"E</td> </tr> <tr> <td>7</td> <td>30°55'53.61"N</td> <td>76°3'32.20"E</td> </tr> <tr> <td>8</td> <td>30°55'53.59"N</td> <td>76°3'36.36"E</td> </tr> <tr> <td>9</td> <td>30°55'51.66"N</td> <td>76°3'36.57"E</td> </tr> <tr> <td>10</td> <td>30°55'51.58"N</td> <td>76°3'46.69"E</td> </tr> <tr> <td>11</td> <td>30°55'48.51"N</td> <td>76°3'46.61"E</td> </tr> </tbody> </table>			Corner	Latitude	Longitude		PIT-I		1	30°55'48.65"N	76°3'26.52"E	2	30°55'50.42"N	76°3'28.76"E	3	30°55'50.80"N	76°3'28.78"E	4	30°55'51.58"N	76°3'30.13"E	5	30°55'52.68"N	76°3'30.06"E	6	30°55'52.87"N	76°3'31.41"E	7	30°55'53.61"N	76°3'32.20"E	8	30°55'53.59"N	76°3'36.36"E	9	30°55'51.66"N	76°3'36.57"E	10	30°55'51.58"N	76°3'46.69"E	11	30°55'48.51"N	76°3'46.61"E
Corner	Latitude	Longitude																																								
	PIT-I																																									
1	30°55'48.65"N	76°3'26.52"E																																								
2	30°55'50.42"N	76°3'28.76"E																																								
3	30°55'50.80"N	76°3'28.78"E																																								
4	30°55'51.58"N	76°3'30.13"E																																								
5	30°55'52.68"N	76°3'30.06"E																																								
6	30°55'52.87"N	76°3'31.41"E																																								
7	30°55'53.61"N	76°3'32.20"E																																								
8	30°55'53.59"N	76°3'36.36"E																																								
9	30°55'51.66"N	76°3'36.57"E																																								
10	30°55'51.58"N	76°3'46.69"E																																								
11	30°55'48.51"N	76°3'46.61"E																																								
8.	Whether the project attracts the General Condition.	No protected area/critically polluted area/ Eco-sensitive area/inter-state/ UT Boundaries and International Boundary/ Severely Polluted Area falls within 5 km radius of the project site. Thus, general conditions are not applicable.																																								
9.	Does the project involve the diversion of forest land? If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof	No Letter from DFO Ludhiana has been obtained vide letter No.542 dated 03.06.2020.																																								
10.	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof	No wildlife sanctuary/bird sanctuary falls within 10 km radius of the project site. As per the Google Map submitted by the project proponent the nearest Sanctuary falls at a distance of 66 KM.																																								

11.	Land requirement for the project	<p>Prior to the project proposal</p> <table border="1" data-bbox="711 247 1393 487"> <thead> <tr> <th>S.No.</th> <th>Ownership pattern</th> <th>Area in Ha.</th> </tr> </thead> <tbody> <tr> <td>i.</td> <td>Forest Land</td> <td>-</td> </tr> <tr> <td>ii.</td> <td>Private land</td> <td>5.67</td> </tr> <tr> <td>iii.</td> <td>Government land</td> <td>-</td> </tr> <tr> <td>iv.</td> <td>Revenue land</td> <td>-</td> </tr> <tr> <td>v.</td> <td>Other land</td> <td>-</td> </tr> </tbody> </table> <p>Present Land use Break Up</p> <table border="1" data-bbox="711 562 1393 844"> <thead> <tr> <th>S.No.</th> <th>Land use</th> <th>Area in Ha.</th> </tr> </thead> <tbody> <tr> <td>i.</td> <td>Agriculture Area</td> <td>5.67</td> </tr> <tr> <td>ii.</td> <td>Waste/Barren Area</td> <td></td> </tr> <tr> <td>iii.</td> <td>Grazing/community Area</td> <td></td> </tr> <tr> <td>iv.</td> <td>Surface water Bodies</td> <td>-</td> </tr> <tr> <td>v.</td> <td>Other(Specify)</td> <td></td> </tr> </tbody> </table>	S.No.	Ownership pattern	Area in Ha.	i.	Forest Land	-	ii.	Private land	5.67	iii.	Government land	-	iv.	Revenue land	-	v.	Other land	-	S.No.	Land use	Area in Ha.	i.	Agriculture Area	5.67	ii.	Waste/Barren Area		iii.	Grazing/community Area		iv.	Surface water Bodies	-	v.	Other(Specify)	
S.No.	Ownership pattern	Area in Ha.																																				
i.	Forest Land	-																																				
ii.	Private land	5.67																																				
iii.	Government land	-																																				
iv.	Revenue land	-																																				
v.	Other land	-																																				
S.No.	Land use	Area in Ha.																																				
i.	Agriculture Area	5.67																																				
ii.	Waste/Barren Area																																					
iii.	Grazing/community Area																																					
iv.	Surface water Bodies	-																																				
v.	Other(Specify)																																					
12.	Cost of the project	Rs. 1.56 Crores																																				
13.	Environmental Clearance. Fee details	Rs. 2835/- Vide NEFT No. 5038780819 dated 12/05/2020																																				
14.	Details of Final District Survey Report	Approved by: Not Approved																																				
15.	Details of visit report of Sub Divisional Level Committee	Not submitted																																				
16.	Details of Mining Plan	<p>Approved by :- State Geologist, Department of Mines & Geology, Punjab Approval Letter No.: Glg/Pb/M.P./2020/Kumb Kalan/192 Date of Approval: 17.02.2020 Approved Mining Lease Area: 5.67 Ha. Approved Mining Quantity: 60,757 TPA (Total:182273 MT) Depth of Mining (m): 3 m</p>																																				
17.	Demarcation report of mining site	<p>Date of demarcation: 17.10.2019 No.s of Burjis made: No Photographs submitted: Yes</p>																																				
18.	Workers (when fully operational)	28 Persons.																																				

19.	Water Requirements & source	Domestic: 1.40 KLD Dust Suppression: 1.50 KLD Total: 2.90 KLD Ground water/Others: Source is water tanker .
20.	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water : 1.12 KLD ii) (80% of water requirement) iii) Treatment Method: Septic Tank iv) Mode of Disposal : Plantation purpose.
21.	Solid waste generation and its disposal	Solid waste @ 5.6 kg/day will be generated which will be disposed to the dump site of the nearest village.
22.	Green Belt Development Plan including no. of trees to be planted & its species.	To be submitted along with EIA/EMP report.
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	To be submitted along with EIA/EMP report.
24.	CER activities along with budgetary break-up and responsibility to implement.	To be submitted along with EIA/EMP report.
25.	Other important facts i) 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. ii) 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. iii) All mitigation measures for each activity to be undertaken during the mining operation to minimize adverse environmental impacts as recommended in the sand mining guidelines, 2016 & Enforcement & Monitoring Guidelines for Sand Mining, 2020. iv) Compliance with various environmental regulations shall be ensured. v) Mining will be carried out as per the terms and conditions of the Auction notice no MDM/Pb/E-auction/2019/2231 dated 30.05.2019 issued by Department of Mines & Geology, Government of Punjab. vi) Extent of Mechanization The mining shall be performed using a semi-mechanized method as per approved mine plan and Punjab Minor Mineral rules 2013. For mining operation excavators, dumpers and tippers have been considered. The machinery considered for sand mining has been presented below:-	

Name of Equipment	Capacity	No. of Equipment	Standby Equipment	Total
Excavator	0.90 m ³	4	1	5
Dumper	20 tonnes	5		5
Water tankers	As & when required	-	-	-

vii) Benefits of Semi mechanized method
Semi mechanized method, involving minimal use of machinery and optimal no. of workers if allowed can provide the following benefits:

- a. Reduced duration of exposure to negative impacts of mining.
- b. Reduced production of sewage and solid waste at the project site to be treated.
- c. Reduced nuisance to the villagers.
- d. Feasibility to extract the required quantity and supply raw material to market to curb black marketing of minor minerals and support to the construction industry in the region.
- e. Reduced social menace which may be caused due to large no. of laborers, in case of completely manual operation.

viii) The operation will be done only from sunrise to sunset hence there will be no power requirement for the project at the site.

ix) An undertaking has been 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 the proposed site.

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	Whether Final District Survey Report (DSR) has been approved?	The project proponent intimated that the DSR has been revised by the DEIAA. However, no formal letter has been issued by the DC, Ludhiana to the Mining Department in this regard. Further, Sh. Paras Mahajan, Assistant Geologist informed the committee that the earlier DSR was having the name of this site. As such, no where it has been specified that the DSR should be mentioning the Khasra numbers. Thus, the older DSR be

		accepted for issuing of ToRs to the project proponent. Sh. Manoj Bansal, Executive Engineer, Department of Mines submitted a copy of the revised DSR signed by the Executive Engineer, Department of Mines, Ferozepur. He assured that the revised DSR letter will be obtained from DC, Ludhiana at the earliest in this regard. He also intimated the committee that the revised DSR had been uploaded by the DC Ludhiana in his website, which was checked online.
2.	Whether permission from DFO has been obtained?	The project proponent submitted that the permission has been obtained from the DFO Ludhiana vide letter no. 542 dated 30.06.2020 and showed the same to the committee.
3.	Whether the report from Sub Divisional Committee has been obtained regarding suitability of the site for mining?	The project proponent showed a copy of the Sub Divisional Committee regarding suitability of the site. However, the said report was older of date i.e. 21.01.2014. To this observation the project proponent intimated that the e-Auction of the mines is carried out only after report from the Sub Divisional Committee and since the auction has already been carried out, it would be possible only after the proper report from the Sub Divisional Committee. SEAC agreed to the same.
4.	The project proponent is required to get the hydrogeological survey of the existing water level done and also required to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.	The project proponent agreed to the same.
5.	The project proponent is required to submit a report regarding the preservation of topsoil excavated	The project proponent agreed to the same.

	during the mining process at the time of submission of the EIA report.	
--	--	--

SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

3.0 Recommendation of SEAC

After deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendations to issue Terms of Reference for mining of minor minerals (Sand) on river bed located in the revenue estate of village Kumb Kalan, Tehsil Ludhiana (East), District Ludhiana, Punjab submitted by M/s Mahadev Enclave Private Limited, as per Annexure-I and the following additional ToRs:

1. The project proponent shall submit the revised approved DSR endorsed by the DC, Ludhiana clearly mentioning the Khasra Numbers of the site at the time of submission of the EIA report.
2. The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.
3. The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.
4. The project proponent shall submit the route plan for transporting the minor minerals from the project site. The vehicles should not pass through the river bed.

4.0 Deliberations during 168th meeting of SEIAA held on 07.08.2020

The case was placed before in its 168th meeting held on 07.08.2020 and the same was attended by the following: -

1. Sh. Manoj Kumar, Authorized Signatory of the promoter company.
2. Ms. Simran Kaur, EIA consultant from M/s Eco Laboratories Pvt. Ltd. Mohali

Before allowing the presentation, SEIAA perused the KML file uploaded on the web portal and observed that the area of the site marked on the KML file is 7811 sqm i.e. 0.78 Ha. However, the application has been submitted for the 5.67 Ha. Thus, the contents of the application do not match with the coordinates mentioned in the KML file uploaded on the Parivesh Portal. To this, Environmental Consultant replied that all the co-ordinates have not been mentioned in the KML file. They will examine the matter and will upload the

corrected KML file after marking all the co-ordinates over it. He requested to give some time to submit the same.

After detailed deliberations, SEIAA decided to accept the request of the environmental consultant and defer the case till the corrected KML file be uploaded on the web portal.

Item No 168.09: Application for obtaining TOR under EIA notification dated 14.09.2006 for mining of minor minerals from river bed in the village Parjian Biharipur, Tehsil – Jagron, District Ludhiana, Punjab submitted by M/s Mahadev Enclave Private Limited. (Proposal No. SIA/PB/MIN/53311/2020)

SEAC observed as under:

M/s Mahadev Enclave Private Limited has applied for obtaining TOR under EIA notification dated 14.09.2006 for mining of minor minerals (Sand) from river bed in the revenue estate of village Parjian Biharipur, Tehsil – Jagron, District Ludhiana, Punjab on 23.05.2020. The project is covered under S.No. 1(a) of the Schedule appended to the said Notification.

Further, the said case was forwarded by SEIAA to SEAC on 14/07/2020 after scrutiny of the application and the updated status of the documents attached with the application is as under

1.0 Status of documents attached with the application

(A) General

i)	Name of Applicant & Correspondence address: Mobile No: Email ID:	M/s Mahadev Enclave Private Limited B-37 Ayodhaya Marg, Hanuman Nagar, Jaipur, Rajasthan +91 9780625432 avnit.kaushal@gmail.com
ii)	Name of Environmental Consultant Mobile No. Email ID	Eco Laboratories & Consultants Pvt. Ltd. 9814003103, 0172461622 consulteco@yahoo.com

(B) Details of the Documents

The project proponent submitted all the requisite documents as per the checklist of the mining case along with Form-02. The project proponent submitted a hard copy of the same, which was taken on record.

2.0 Deliberations during 191st meeting of SEAC held on 24.07.2020

The case was considered by SEAC in its 191st meeting held on 24.07.2020 and the same was attended by the following on behalf of the project proponent:

- (i) Sh. Manoj Kumar, Authorised signatory, on behalf of the project proponent.
- (ii) Ms. Simran Kaur, EIA coordinator, M/s Eco Laboratories and Consultants Pvt. Ltd., Mohali, Environment Consultant of the promoter company.

SEAC allowed the project proponent to present the salient features of the project and the Environment consultant of the promoter company presented the same as under:

S.No.	Item	Details		
1.	Online Proposal No.	SIA/PB/MIN/53311/2020		
2.	Project Name & Location	Sand Mining Project Village- Parjian Biharipur, Tehsil- Jagron, District- Ludhiana, Punjab by M/s Mahadev Enclave Private Limited		
3.	Project/activity covered under item of scheduled to the EIA Notification, 14.09.2006	1(a) Mining of Minor Minerals		
4.	Details of Mining Lease			
v)	Mineral (s) to be mined	Sand		
vi)	Capacity of Mine	5,34,852 TPA		
vii)	Mining Lease Area	37.0 Ha		
viii)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt.	Memo No. MDM/Pb/E-Auction/2019 2231 Date of Issue: 30/05/2019 Validity of LOI: NA		
5.	Hadbast No.	181		
6.	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No.	Consent details
	1	Govt. Land	-	-
	2	Private Land	24//23, 24, 25, 31//8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 32//1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 33//4, 5, 6, 7, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 34//22, 23, 35//1, 2, 36//19, 22, 37//1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25,	Land NOC from owners submitted.

7.	Latitude & Longitude		
	PIT 1		
	Pillar No.	Latitude	Longitude
	1	30°58'25.12"N	75°26'44.21"E
	2	30°58'25.14"N	75°26'51.62"E
	3	30°58'23.25"N	75°26'51.76"E
	4	30°58'23.30"N	75°26'56.72"E
	5	30°58'27.09"N	75°26'56.80"E
	6	30°58'27.16"N	75°27'1.89"E
	7	30°58'28.87"N	75°27'1.86"E
	8	30°58'29.00"N	75°27'9.39"E
	9	30°58'23.36"N	75°27'9.39"E
	10	30°58'23.25"N	75°27'16.88"E
	11	30°58'27.07"N	75°27'17.06"E
	12	30°58'27.15"N	75°27'21.98"E
	13	30°58'17.37"N	75°27'22.08"E
	14	30°58'17.05"N	75°27'9.56"E
	15	30°58'7.51"N	75°27'9.36"E
	16	30°58'7.63"N	75°26'59.31"E
	17	30°58'9.69"N	75°26'59.32"E
	18	30°58'9.56"N	75°26'56.80"E
	19	30°58'17.15"N	75°26'56.76"E
	20	30°58'17.40"N	75°26'44.08"E
	PIT II		
	1	30°58'19.24"N	75°27'24.65"E
	2	30°58'19.30"N	75°27'27.24"E
	3	30°58'16.84"N	75°27'27.61"E
4	30°58'16.81"N	75°27'27.22"E	
5	30°58'15.48"N	75°27'27.12"E	
6	30°58'15.43"N	75°27'22.07"E	
PIT III			
1	30°58'11.32"N	75°27'11.95"E	
2	30°58'11.34"N	75°27'14.46"E	
3	30°58'7.51"N	75°27'14.46"E	
4	30°58'7.52"N	75°27'11.99"E	
8.	Whether the project attracts the General Condition.	No protected area/critically polluted area/ Eco-sensitive area/inter-state/ UT Boundaries and International Boundary/ Severely Polluted Area falls within 5 km radius of the project site. Thus, general conditions are not applicable.	
9.	Does the project involve diversion of forest land? If yes,	No. Letter from DFO Ludhiana has been obtained vide letter No.542 dated 03.06.2020.	

	a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof																																								
10.	Does the project fall within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, Status of NOC. If No, If No, submit documentary proof	No wildlife sanctuary/bird sanctuary falls within 10 km radius of the project site. As per the Google Map submit by the project proponent the Harike Bird Sanctuary falls at a distance of 50.16 KM.																																							
11.	Land requirement for the project	<p>Prior to the project proposal</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Ownership pattern</th> <th>Area in Ha.</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Forest Land</td> <td>-</td> </tr> <tr> <td>ii)</td> <td>Private land</td> <td>37.0</td> </tr> <tr> <td>iii)</td> <td>Government land</td> <td>-</td> </tr> <tr> <td>iv)</td> <td>Revenue land</td> <td>-</td> </tr> <tr> <td>v)</td> <td>Other land</td> <td>-</td> </tr> <tr> <td>vi)</td> <td>Total land</td> <td>37.0</td> </tr> </tbody> </table> <p>Present Land use Break Up</p> <table border="1"> <thead> <tr> <th>Sr No.</th> <th>Land use</th> <th>Area in Ha.</th> </tr> </thead> <tbody> <tr> <td>i)</td> <td>Agriculture Area</td> <td>-</td> </tr> <tr> <td>ii)</td> <td>Waste/Barren Area</td> <td>-</td> </tr> <tr> <td>iii)</td> <td>Grazing/community Area</td> <td>-</td> </tr> <tr> <td>iv)</td> <td>Surface water Bodies</td> <td>-</td> </tr> <tr> <td>v)</td> <td>Other(Specify)</td> <td>37.0</td> </tr> </tbody> </table>	Sr No.	Ownership pattern	Area in Ha.	i)	Forest Land	-	ii)	Private land	37.0	iii)	Government land	-	iv)	Revenue land	-	v)	Other land	-	vi)	Total land	37.0	Sr No.	Land use	Area in Ha.	i)	Agriculture Area	-	ii)	Waste/Barren Area	-	iii)	Grazing/community Area	-	iv)	Surface water Bodies	-	v)	Other(Specify)	37.0
Sr No.	Ownership pattern	Area in Ha.																																							
i)	Forest Land	-																																							
ii)	Private land	37.0																																							
iii)	Government land	-																																							
iv)	Revenue land	-																																							
v)	Other land	-																																							
vi)	Total land	37.0																																							
Sr No.	Land use	Area in Ha.																																							
i)	Agriculture Area	-																																							
ii)	Waste/Barren Area	-																																							
iii)	Grazing/community Area	-																																							
iv)	Surface water Bodies	-																																							
v)	Other(Specify)	37.0																																							
12.	Cost of the project	Rs. 4.47 Crores																																							
13.	Environmental Clearance. Fee details	Rs. 18,500/- Vide NEFT No. 5038781085 Dated 12.05.2020																																							
14.	Details of Final District Survey Report	Approved by:- Not Approved Mining Lease Area: 37.0 Ha. Mining Quantity: 5,34,852 TPA Mining Depth: 1 m																																							
15.	Details of visit report of Sub Divisional Level Committee	Not submitted																																							
16.	Details of Mining Plan	Approved by:-State Geologist (Department of Mines and Geology, Punjab) Approval Letter No.:Glg/Pb/M.P./2020/ Parjjan Biharipur/309 Date of Approval: 11.03.2020 Approved Mining Lease Area: 37.0Ha. Approved Mining Quantity: 5,34,852 TPA Depth of Mining (m): 1 m																																							
17.	Demarcation report of mining site	Date of demarcation: - 15.10.2019 No.s of Burjis made: - Nil Photographs submitted: Yes																																							

18.	Workers (when fully operational)	40 Persons.
19.	Water Requirements & source	Domestic: 1.60 KLD Dust Suppression: 1.50 KLD Total: 3.10 KLD Ground water/Others: Source is water tanker .
20.	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water :1.2 KLD (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal: Plantation purpose
21.	Solid waste generation and its disposal	Solid waste @8kg /day will be generated which will be disposed to the dump site of the nearest village.
22.	Green Belt Development Plan including no. of trees to be planted & its species.	Will be submitted at the time of submission EIA/EMP report.
23.	Environment Management Plan along with Budgetary breakup and responsibility to implement	Will be submitted at the time of submission EIA/EMP report.
24.	CER activities along with budgetary break-up and responsibility to implement Mr. Kartik Rathi (Director) of M/s. Mahadev Enclave Private Limited will be responsible for implementation of Corporate Environmental Responsibility (CER). As the project cost is Rs. 4.47 Crores; thus, Rs. 8.94 Lacs have been reserved for CER activities as per Office Memorandum of CER dated 01.05.2018. It was proposed to spent on the followings: - i. Rs. 6.50 lac for providing drinking water facility, Toilets, Furniture and maintenance of school building in Government Primary School, in village Gounsuval, Punjab ii. Rs. 2.44 lac for Maintenance of Transportation route connecting Project site	
25.	Other important facts i) 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. ii) 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. iii) All mitigation measures for each activity to be undertaken during the mining operation to minimize adverse environmental impacts as recommended in the sand mining guidelines, 2016 & Enforcement & Monitoring Guidelines for Sand Mining, 2020. iv) Compliance with various environmental regulations shall be ensured. v) Mining will be carried out as per the terms and conditions of the Auction notice no MDM/Pb/E-auction/2019/2231 dated 30.05.2019 issued by Department of Mines & Geology, Government of Punjab. vi) Extent of Mechanization The mining shall be performed using a semi-mechanized method as per approved mine plan and Punjab Minor Mineral rules 2013.	

	<p>vii) Benefits of Semi mechanized method Semi mechanized method, involving minimal use of machinery and optimal no. of workers if allowed can provide the following benefits:</p> <ol style="list-style-type: none"> a. Reduced duration of exposure to negative impacts of mining. b. Reduced production of sewage and solid waste at the project site to be treated. c. Reduced nuisance to the villagers. d. Feasibility to extract the required quantity and supply raw material to market to curb black marketing of minor minerals and support to the construction industry in the region. e. Reduced social menace which may be caused due to large no. of laborers, in case of completely manual operation.
	<p>viii) The operation will be done only from sunrise to sunset hence there will be no power requirement for the project at the site.</p>
	<p>ix) An undertaking has been 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 the proposed site.</p>

SEAC asked the project proponent and his Environmental Consultant to clarify the following observations to which he replied as under: -

Sr. No.	Observations	Reply submitted by the project proponent and his Environmental Consultant
1.	Whether Final District Survey Report (DSR) has been approved?	The project proponent intimated that the DSR has been revised by the DEIAA. However, no formal letter has been issued by the DC, Ludhiana to the Mining Department in this regard. Further, Sh. Paras Mahajan, Assistant Geologist informed the committee that the earlier DSR was having the name of this site. As such, no where it has been specified that the DSR should be mentioning the Khasra numbers. Thus, the older DSR be accepted for issuing of ToRs to the project proponent. Sh. Manoj Bansal, Executive Engineer, Department of Mines submitted a copy of the revised DSR signed by the Executive Engineer, Department of Mines, Ferozepur. He assured that the revised DSR letter will

		be obtained from DC, Ludhiana at the earliest in this regard. He also intimated the committee that the revised DSR had been uploaded by the DC Ludhiana in his website, which was checked online.
2.	Whether permission from DFO has been obtained?	The project proponent submitted that the permission has been obtained from the DFO Ludhiana vide letter no. 542 dated 30.06.2020 and showed the same to the committee.
3.	Whether the report from Sub Divisional Committee has been obtained regarding suitability of the site for mining?	The project proponent showed a copy of the Sub Divisional Committee regarding suitability of the site. However, the said report was not bearing any date. To this observation the project proponent intimated that the e-Auction of the mines is carried out only after report from the Sub Divisional Committee and since the auction has already been carried out, it would be possible only after the proper report from the Sub Divisional Committee. SEAC agreed to the same.
4.	The project proponent is required to get the hydrogeological survey of the existing water level done and also required to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.	The project proponent agreed to the same.
5.	The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.	The project proponent agreed to the same.

SEAC was satisfied with the presentation and reply given to the observation. SEAC took a copy of the presentation along with a reply on record.

3.0 Recommendation of SEAC

After deliberations, SEAC decided to forward the application of the project proponent to SEIAA with the recommendations to issue Terms of Reference for mining of minor minerals (Sand) on river bed located in the revenue estate of village Parjian Biharipur, Tehsil Jagraon, District Ludhiana, Punjab submitted by M/s Mahadev Enclave Private Limited, as per Annexure-I and the following additional ToRs:

1. The project proponent shall submit the revised approved DSR endorsed by the DC, Ludhiana clearly mentioning the Khasra Numbers of the site at the time of submission of the EIA report.
2. The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.
3. The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.
4. The project proponent shall submit the route plan for transporting the minor minerals from the project site. The vehicles should not pass through the river bed.

4.0 Deliberations during 168th meeting of SEIAA held on 07.08.2020

The case was placed before in its 168th meeting held on 07.08.2020 and the same was attended by the following: -

1. Sh. Manoj Kumar, Authorized Signatory of the promoter company.
2. Ms. Simran Kaur, EIA coordinator, M/s Eco Laboratories Pvt. Ltd. Mohali

Before allowing the presentation to the EIA coordinator, SEIAA observed that some of the Khasra nos mentioned in the agenda note are shown to owned by private persons. However, as per the copies of Jamabandi attached, same belong to the Central Govt.

SEIAA also perused the KML file attached online and observed that the mining site has not been marked over it. However, when the EIA consultant presented another file, it was observed that most of the Khasra nos. of the mining site fall in the instream of the river.

After detailed deliberations, SEIAA decided as under:

- i) Case be remanded to SEAC for re-examination w.r.t ownership of the land, consent of the owners of the land, the area falling in the instream of the river and calculation of the production capacity of Mine.
- ii) Environmental consultant be asked to upload the KML file of the mining site on the web portal and explain his position why the same has not been uploaded earlier.

Item No. 168.10 Application for issuance of TORs for setting up of new steel Ingots/Billets manufacturing unit with capacity 1,78,200 TPA & Round, Coil, Flats, Wire rod, TMT Bars with a capacity of 1,70,000 TPA by installing three Induction Furnaces of capacity 3×15 TPH, a concast machine & a rolling mill at Village- Wajirabad, Sirhind side, Tehsil & District- Fatehgarh Sahib, Punjab by M/s Pawanputra Steels (P) Ltd (Old Proposal No. SIA/PB/IND/51066/2020 and New Proposal No. SIA/PB/IND/55021/2020).

SEAC observed that

1.0 Background

The project proponent has applied for issuance of TORs for installing three Induction Furnaces of capacity 3×15 TPH, a concast machine for manufacturing of Steel Ingots/Billets with capacity 1,78,200 TPA & installing a Rolling Mill for manufacturing Round, Coil, Flats, Wire rod, TMT Bars with the capacity of 1,70,000 TPA to M/s Pawanputra Steels Pvt. Ltd. Located at Village- Wajirabad, Sirhind side, Tehsil & District- Fatehgarh Sahib, Punjab. The Project is covered under Activity 3(a) & Category 'B1'.

The project proponent submitted the Form I, Pre-feasibility report and other requisite documents on online portal. He has also deposited the processing fee amounting to Rs. 75,000/- (25% of the total fee) through NEFT No. 000086304288 dated 21.04.20 w.r.t the project cost of Rs 30 Crores.

The application was scrutinized & Essential Details were sought to which project proponent replied vide Email dated 30.04.2020, 06.07.2020 and 21.07.20 respectively.

2.0 Deliberations during the 191st meeting of SEAC held on 04.03.2020

The meeting was attended by Sh. Pawan Kumar Bansal, Director of the company through Video Conference and Sh Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali.

During the meeting, the project proponent submitted that earlier, an application for issuance of TOR having proposal no. SIA/PB/IND/51066/2020 was applied online and the said case was accepted on 22/07/2020. After accepting the case, online Auto TORs were

generated through Parivesh Portal inconsonance with OM dated 17.02.2020 issued by the MoEF&CC, New Delhi. The Auto TOR was generated because the project proponent in the column no. 30 of Form-I, has mentioned that the project is located in the notified industrial area however, later on, it was found that the project site does not fall in the notified industrial area, which was agreed by the Project proponent.

Thereafter, new application having proposal no SIA/PB/IND/55021/2020 has been submitted on 23.07.2020 for issuance of Terms of Reference with same salient features. A request letter dated 23.07.2020 regarding withdrawal of old application having proposal no SIA/PB/IND/51066/2020 and consideration of above-mentioned new application in the 191st meeting of SEAC scheduled on 24.07.2020 has been submitted. The project proponent has also requested to consider the same processing fee, which was deposited for the old application. SEAC accepted the request of the project proponent.

SEAC was further apprised that Environmental Engineer, PPCB, RO, Fatehgarh Sahib was requested vide email dated 07.07.2020 to send the construction status of the project site. Accordingly, he replied vide email dated 10.07.2020 that the industry was visited by its AEE on 10.07.2020 and it was observed as under:-

S.No.	Point	Reply
1.	Construction status of the industry in the project area. Also attached the photographs of the project sites.	Construction status of the industry in the project area (30.620067, 76.32352) is following: The proposed site of the industry is a vacant agriculture land (paddy grown field) and there is no construction work observed during the visit. Also photographs taken during the visit submitted.
2.	As to whether the site of the project is meeting with the siting guidelines framed by Punjab Pollution Control Board for such type of projects.	It is submitted that there are no specific siting guidelines framed by Punjab Pollution Control Board for such type of industry i.e Induction furnace unit. However, this office has received change of land use certificate from agricultural to Industrial vide Senior Town Planner, SAS Nagar letter no. 188-193-STP(S)/SS-11(F1) dated 05.02.2020 for Khasra No. 19//19, 19//18, 19//17, 19//16/2/1/2, 19//16/2/2, 19//21, 19//22, 19//23, 19//24, 18//25/1/2, 18//25/2/1/1, 19//25/1/2, 18//16min., 19//20 i.e total land area of 8.62 acres.

Environmental Consultant of the promoter company submitted the presentation for new proposal incorporating the EDS reply submitted with the old proposal, which was taken on record. As per the presentation, the details of the salient features of the project are as under:

Sr. No.	Description	Details
1.	Online Proposal No.	SIA/PB/IND/51066/2020 (Old) SIA/PB/IND/55021/2020 (new)
2.	Name and Location of the project	M/s Pawanputra Steels Pvt. Ltd. at Village-Wajirabad, Sirhind Side, Tehsil & District Fatehgarh Sahib (Punjab)
3.	Nature of project (Fresh EC/EC for Expansion/New)	Fresh EC
4.	a) Category b) Activity (As per schedule appended to EIA Notification, 2006 as amended time to time.)	(a) B1 (b) 3(a) Metallurgical Industries (ferrous & non ferrous)
5.	Whether project falls within 5km from the boundary of critically polluted area (Yes/No)	No
6.	Co-ordinates of the project site (Latitude & Longitude) :	Latitude : 30°37'11.05"N 30°37'10.92"N 30°37'07.32"N 30°37'08.14"N Longitude: 76°19'20.62"E 76°19'32.45"E 76°19'20.17"E 76°19'32.44"E
7.	Classification/Land use pattern as per Master Plan	The site falls in Medium & heavy Industry zone as per master plan (2010-31) of Mandi Gobindgarh.
8.	Details of CLU certificate	Industrial as per CLU granted vide memo no 185 STP(S)/SS-11 (F-1) dated 05.02.2020 for land area measuring 8.62 acres having Khasra no. 19//19, 19//18, 19//17, 19//16/2/1/2, 19//16/2/2, 19//21, 19//22, 19//23, 19//24, 18//25/1/2, 18//25/2/1/1, 19//25/1/2, 18//16 min, 19//20.
9.	Copy of memorandum of Article & Association/ partnership deed/undertaking of sole proprietorship/ list of Directors and names of other persons responsible for managing day to day affairs of the project.	Submitted

10	<p>a) Is the project covered under PLPA, 1900, if No but located near to PLPA area then the project proponent is required to submit NOC from the concerned DFO to the effect that project area does not fall under the provision of PLPA Act, 1900.</p> <p>b) b. Is the project covered under PLPA,1900, if yes then Status of the NOC w.r.t PLPA,1900.</p>	Project proponent submitted an undertaking to the effect that the project does not cover under PLPA, 1900												
11	The project proponent is required to submit either documentary proof of the distance of Bir Bhadson Wildlife Sanctuary from project site.	Project proponent submitted black & white copy of toposheet with marked location Bir Bhadson wildlife sanctuary as 13 km away from project.												
12	No. of Working Days/Annum	330 days in a year												
13	No. of working Hrs/Day	21 hrs/day												
14	Manpower	150												
15	Details of block as per CGWA guideline (Notified/ Non Notified area) in which project site is located	The project site falls in Sirhind Block which is Non-notified area as per CGWA guidelines.												
16	<p>Project Area Details:</p> <table border="1" data-bbox="289 1052 1446 1209"> <thead> <tr> <th data-bbox="289 1052 402 1125">S. No.</th> <th data-bbox="402 1052 967 1125">Details</th> <th data-bbox="967 1052 1446 1125">Land</th> </tr> </thead> <tbody> <tr> <td data-bbox="289 1125 402 1167">1.</td> <td data-bbox="402 1125 967 1167">Plot Area (in Acre)</td> <td data-bbox="967 1125 1446 1167">8.62</td> </tr> <tr> <td data-bbox="289 1167 402 1209">2.</td> <td data-bbox="402 1167 967 1209">Price of land (Rs. in Crores)</td> <td data-bbox="967 1167 1446 1209">1.50</td> </tr> </tbody> </table>		S. No.	Details	Land	1.	Plot Area (in Acre)	8.62	2.	Price of land (Rs. in Crores)	1.50			
S. No.	Details	Land												
1.	Plot Area (in Acre)	8.62												
2.	Price of land (Rs. in Crores)	1.50												
17	Total project cost	Rs. 30 Crores												
18	<p>Raw Material requirement</p> <table border="1" data-bbox="289 1283 1446 1409"> <thead> <tr> <th data-bbox="289 1283 402 1325">S.No.</th> <th data-bbox="402 1283 919 1325">Raw material</th> <th data-bbox="919 1283 1446 1325">Quantity (TPA)</th> </tr> </thead> <tbody> <tr> <td data-bbox="289 1325 402 1367">1.</td> <td data-bbox="402 1325 919 1367">MS Scrap</td> <td data-bbox="919 1325 1446 1367">1,56,816</td> </tr> <tr> <td data-bbox="289 1367 402 1409">2.</td> <td data-bbox="402 1367 919 1409">Ferro Alloys</td> <td data-bbox="919 1367 1446 1409">39,204</td> </tr> </tbody> </table>		S.No.	Raw material	Quantity (TPA)	1.	MS Scrap	1,56,816	2.	Ferro Alloys	39,204			
S.No.	Raw material	Quantity (TPA)												
1.	MS Scrap	1,56,816												
2.	Ferro Alloys	39,204												
19	<p>Production Capacity</p> <table border="1" data-bbox="289 1440 1446 1566"> <thead> <tr> <th data-bbox="289 1440 402 1482">S.No.</th> <th data-bbox="402 1440 1000 1482">Product name</th> <th data-bbox="1000 1440 1446 1482">Total Production (TPA)</th> </tr> </thead> <tbody> <tr> <td data-bbox="289 1482 402 1524">1.</td> <td data-bbox="402 1482 1000 1524">Steel Ingots/Billets-</td> <td data-bbox="1000 1482 1446 1524">1,78,200</td> </tr> <tr> <td data-bbox="289 1524 402 1566">2.</td> <td data-bbox="402 1524 1000 1566">Round, Coil, Flats, Wire rod, TMT bars</td> <td data-bbox="1000 1524 1446 1566">1,70,000</td> </tr> </tbody> </table> <p>*No. Of working days : 330days/ Annum</p>		S.No.	Product name	Total Production (TPA)	1.	Steel Ingots/Billets-	1,78,200	2.	Round, Coil, Flats, Wire rod, TMT bars	1,70,000			
S.No.	Product name	Total Production (TPA)												
1.	Steel Ingots/Billets-	1,78,200												
2.	Round, Coil, Flats, Wire rod, TMT bars	1,70,000												
20	<p>Details of major productive machinery/plant</p> <table border="1" data-bbox="289 1640 1446 1803"> <thead> <tr> <th data-bbox="289 1640 402 1682">S.No.</th> <th data-bbox="402 1640 708 1682">Particulars</th> <th data-bbox="708 1640 1446 1682">Machinery/plant</th> </tr> </thead> <tbody> <tr> <td data-bbox="289 1682 402 1724">1.</td> <td data-bbox="402 1682 708 1724">Induction Furnace</td> <td data-bbox="708 1682 1446 1724">3X15TPH</td> </tr> <tr> <td data-bbox="289 1724 402 1766">2.</td> <td data-bbox="402 1724 708 1766">Concast</td> <td data-bbox="708 1724 1446 1766">01 No.</td> </tr> <tr> <td data-bbox="289 1766 402 1803">3.</td> <td data-bbox="402 1766 708 1803">Rolling mill</td> <td data-bbox="708 1766 1446 1803">01 No.</td> </tr> </tbody> </table>		S.No.	Particulars	Machinery/plant	1.	Induction Furnace	3X15TPH	2.	Concast	01 No.	3.	Rolling mill	01 No.
S.No.	Particulars	Machinery/plant												
1.	Induction Furnace	3X15TPH												
2.	Concast	01 No.												
3.	Rolling mill	01 No.												

21	Water Requirements & its source :				
	S. No.	Description	Total water demand (KLD)		
	1.	Domestic water demand	7		
	2.	Make up water demand for cooling purpose	38		
	Total		45		
	Sources of water:				
	Sr. No.	Purposes	Source of water		
	1.	Domestic	Own tubewell		
	2.	Make-up water demand for cooling	Own tubewell		
	3.	Green area water demand	Treated waste water from STP		
22	Power Requirement with source		16 MW ; Source - PSCPCL		
23	Details of Effluent				
	Sr. No.	Details	Effluent generation (KLD)	Details of existing & proposed Effluent Control Device	
	i)	Industrial Effluent	Nil	There will be no generation of trade effluent from process	
	ii)	Domestic Effluent	38	Waste water generated from domestic & cooling tower will be treated in STP of 40 KLD capacity.	
24	Details of Emissions				
	Sr. No.	Source	Capacity (TPH)	Chimney Height (m)	Details of proposed Air Pollution Control Device
	i)	Induction Furnace	3X15 TPH	30	Side Suction Hood Spark Arrestor, Bag House, ID Fan (Offline cleaning pulsejet bag filter)
	ii)	D.G. set	500 kVA	2.5m above roof level	Equipped with canopy

25	Details of Hazardous waste and its disposal				
	Sr. No.	Hazardous Waste	Category	Quantity (TPA)	Disposal arrangement
	1.	Gas Cleaning Residue (APCD dust)- Bag filter	35.1	264	Will be sent to authorized recycler for Final Disposal
2.	Used Oil (KLI/annum)	5.1	0.015 kl/hour	Will be sold to the authorized recycler.	
26	Solid waste generation and its disposal(After expansion)				
	Sr. No.	Solid Waste	Quantity (TPD)	Disposal arrangement	
(i)	Slag	29.7	Will be Sent to manufacturers of cement concrete blocks, pavers & tiles under proper agreement.		

During the meeting, the following observations were made to which project proponent replied as under:

Sr. No	Observations	Reply
1	As to whether 33% green area proposed in consonance with the requirement of MoEF	<p>PP submitted that the competent authority has granted CLU for land measuring 8.62 Acre with one of the condition that a strip of 29' wide is to be kept out of plot measuring 34997.67 m² for any future widening of adjoining public road.</p> <p>Accordingly, an area measuring 2749.74 m² has been left out, thereby considering only the remaining area of 32247.93 m² for layout, of which 33% i.e. 10650.55m² may be considered for green belt.</p> <p>SEAC was not satisfied with the reply of the project proponent and asked to submit the revised layout proposing 33% of the green area w.r.t 8.62 Acres land for which EC has been applied.</p>

		Accordingly, the project proponent submitted the revised layout plan which was taken on record.
2)	<p>Environmental Consultant informed that they had conducted baseline monitoring from March 2018 to May 2018 for M/s Salasar casting which is closely located with the proposed project site. He requested to kindly accept the study as per the OM dated 29.08.2017 issued by the MoEF&CC, New Delhi.</p> <p>To this, SEAC queried to the project proponent that how far site is located from the M/s Salasar casting</p>	He stated that the site is located within 2 Km from the M/s Salasar casting. SEAC accepted the request of the environmental consultant. However, it was decided that 01 months of additional study shall be carried out with effect from 16.09.2020.

3.0 Recommendations

After detailed deliberations, it was decided to recommend to SEIAA as under:

- i) The request of project proponent regarding the withdrawal of old application having proposal no SIA/PB/IND/51066/2020 dated 23.07.2020, be accepted.
- ii) The project is categorized under Activity 3(a); B-1 with public consultation. Terms of Reference for preparing Environmental Impact Assessment (EIA) report in reference to the new application having proposal no SIA/PB/IND/55021 /2020 be issued to the project proponent as under: -

A. STANDARD TERMS OF REFERENCE

1) Executive Summary

Report in about 8-10 pages incorporating the following:

- (i) Project name and location (Village, Distt., State, Industrial Estate (if applicable))
- (ii) Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.
- (iii) Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
- (iv) Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.

- (v) Measures for mitigating the impact on the environment and mode of discharge or disposal.
- (vi) Capital cost of the project, estimated time of completion
- (vii) Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of its acquisition, nearby (in 2-3 km.) water body, population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)
- (viii) Baseline environmental data - air quality, surface and groundwater quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- (ix) Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk
- (x) Likely impact of the project on air, water, land, flora-fauna and nearby population
- (xi) Emergency preparedness plan in case of natural or in plant emergencies
- (xii) Issues raised during public hearing (if applicable) and response given
- (xiii) CSR/CER plan with proposed expenditure.
- (xiv) Occupational Health Measures
- (xv) Post Project monitoring plan
- (xvi) Synopsis of the project (as available on web site i.e. www.pbdecc.gov.in)

2) Introduction

- (i) Details of the EIA Consultant including NABET accreditation
- (ii) Information about the project proponent
- (iii) Importance and benefits of the project

3) Project Description

- (i) Cost of project and time of completion.
- (ii) Products with capacities for the proposed project.
- (iii) If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- (iv) List of raw materials required and their source along with mode of transportation.
- (v) Other chemicals and materials required with quantities and storage capacities.

- (vi) Details of Emission, effluents, hazardous waste generation and their management.
- (vii) Requirement of water (breakup for induction and rolling mill), power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
- (viii) Process description along with major equipment and machineries, process flow sheet (quantitative) from raw material to products to be provided
- (ix) Hazard identification and details of proposed safety systems.
- (x) In case of Expansion/modernization proposals:
 - a) Status of compliance of Consent to Operate for the ongoing /existing operation of the project from SPCB shall be attached with the EIA-EMP report.
 - b) In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4) Site Details

- (i) Location of the project site covering village, Taluka / Tehsil, District and State, Justification for selecting the site, whether other sites were considered. Copy of Master Plan indicating a land use pattern of the site is in conformity of proposals of Master Plan shall be attached with EIA report.
- (ii) A top sheet of the study area of radius of 10 km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (Including all eco-sensitive areas and environmentally sensitive places)
- (iii) Details w.r.t. option analysis for selection of site.
- (iv) Co-ordinates (lat-long) of all four corners of the site.
- (v) Google map-Earth downloaded of the project site
- (vi) Layout maps indicating existing unit as well as proposed unit indicating storage area of raw material, finished products, greenbelt area with marking of tree, Location of STP/ETP, Solid waste storage area, Parking space, Firefighting equipment layout, First aid room, Location of Tube wells, DG Sets & Transformers and any other utilities
- (vii) If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

- (viii) Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- (ix) Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc. shall be included. (not required for industrial area)
- (x) A list of major industries with name and type within study area (10 km radius) shall be incorporated. Land use details of the study area.
- (xi) Geological features and Geo-hydrological status of the study area shall be included.
- (xii) Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- (xiii) Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- (xiv) R&R details in respect of land in line with state Government policy

5) Forest and wildlife related issues (if applicable):

- (i) Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable).
- (ii) Land use map based on High resolution satellite imagery (OPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).
- (iii) Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- (iv) The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
- (v) Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
- (vi) Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

6) Environmental Status

- (i) Determination of atmospheric inversion level at the project site and site specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- (ii) AAQ data (except monsoon) at 8 locations for PM 10, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.
- (iii) Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- (iv) Surface water quality of nearby River (100m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF& CC guidelines.
- (v) Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF& CC.
- (vi) Groundwater monitoring at minimum at 8 locations shall be included.
- (vii) Noise levels monitoring at 8 locations within the study area.
- (viii) Soil Characteristic as per CPCB guidelines.
- (ix) Traffic feasibility / serviceability study for at least 3 days based on Indian Standard Codes. Further it shall also include the details of cross section of the road on which industry is located, vehicles movement w.r.t. the industry, traffic load of other vehicles on the road incorporating the haulage time for the vehicles for loading/unloading within the premises and parking requirement to avoid the traffic congestions on the link and adjoining roads. Traffic study shall be conducted considering the traffic of the industries located in the vicinity.
- (x) Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- (xi) Socio-economic status of the study area.

7) Impact Assessment and Environment Management Plan

- (i) Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modeling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be well assessed. Details of the

model used and the input data used for modeling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.

- (ii) Water Quality modelling.
- (iii) Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- (iv) A note on treatment, recycling and reuse of wastewater from different plant operations, extent for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under EPA Rules.
- (v) Details of stack emission and action plan for control of emissions to meet standards.
- (vi) Measures for fugitive emission control
- (vii) Details of hazardous waste generation and their storage, utilization and disposal. Copies of MOU regarding utilization of solid and hazardous waste shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- (viii) Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
- (ix) Action plan for the green belt development in 33 % area with not less than 1,500 trees per hectares giving details of species, width of plantation, planting schedule, post plantation maintenance plan for 3 years shall be included. The green belt shall be around the boundary and a scheme for greening of the roads used for the project shall also be incorporated
- (x) Action plan for rainwater harvesting measures at alternative sites shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the groundwater and also to use for the various activities to conserve freshwater and reduce the water requirement from other sources.
- (xi) Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
- (xii) Action plan for post-project environmental monitoring shall be submitted.
- (xiii) Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with the District Disaster Management Plan.

8) Occupational health

- (i) Details of existing Occupational & Safety Hazards. What are the exposure levels of above-mentioned hazards and whether they are within the Permissible Exposure Level (PEL)? If these are not within PEL, what measures the company has adopted to keep them within PEL so that the health of the workers can be preserved,
- (ii) Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre-designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above-mentioned parameters as per age, sex, duration of exposure and department wise.
- (iii) Annual report of the health status of workers with special reference to Occupational Health and Safety.
- (iv) Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.

9) Corporate Environment Policy

- (i) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- (ii) Does the Environment Policy prescribe for standard operating processes/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/conditions? If so, it may be detailed in the EIA.
- (iii) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
- (iv) Does the company have a system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report

10) Details regarding infrastructure facilities such as sanitation, fuel, restroom, etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during the operation phase.

11) Enterprise Social Commitment (ESC)

- (i) To address the Public Hearing issues, 2.5% of the total project cost of (Rs.____crores), amounting to Rs.____crores, shall be earmarked by the project proponent, towards Enterprise Social Commitment (ESC). Distinct ESC projects shall be carved out based on the local public hearing issues. Project estimate shall be prepared based on PWD schedule of rates for each distinct Item and schedule for time-bound action plan shall be prepared. These ESC projects as

- indicated by the project proponent shall be implemented along with the main project. Implementation of such program shall be ensured by constituting a Committee comprising of the project proponent, representatives of village Panchayat & District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office. No free distribution/donations and or free camps shall be included in the above ESC budget
- 12) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 13) A tabular chart with index for points wise compliance of above TORs.

B. STANDARDISED SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR INDUCTION/ ARC FURNACES/CUPOLA FURNACES 5TPH OR MORE

- (i) Details of proposed layout clearly demarcating existing & proposed features of the project within the plant.
- (ii) Total no. of furnaces & details including capacity of each furnace.
- (iii) Detail of the mechanical shredder to reduce the size of the raw material.
- (iv) Complete process flow diagram describing each unit, its processes, and operations, along with material and energy inputs and outputs (material and energy balance).
- (v) Details on the design and manufacturing process for all the units.
- (vi) Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
- (vii) Details on the requirement of raw materials, its source, and storage at the plant.
- (viii) Details on the requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).
- (ix) Details on toxic metal content in the waste material and its composition and end-use (particularly of slag).
- (x) Details on toxic content (TCLP), composition and end-use of chrome slag. Details on the recovery of the Ferro chrome from the slag and its proper disposal.

C. ADDITIONAL SPECIFIC TORS DECIDED DURING MEETING OF SEAC

- (i) Public consultation is required for the projects as not located in notified industrial parks/estates.

- (ii) Environmental Consultant of the promoter company shall carry out the baseline study for one additional month from 16.09.2020 (except monsoon season), which includes at least three days of traffic study.
- (iii) Submit proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and a credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)
- (iv) Submit dully filled prescribed field data sheets and analysis reports along with exact location of sampling / monitoring point marked on the layout map. Also submit the status of approvals of Laboratories.
- (v) Submit cost of the project duly certified by Chartered Engineer/ Approved valuer / Chartered Accountant. In the absence of above, the project proponent may submit self-certified detail of cost of the project mentioning the cost of Land, building, infrastructure and plant & machinery
- (vi) Certificate from the concerned authority w.r.t the location of protected areas as notified under the Wildlife Protection Act, 1972 within 5 km radius from the boundary of the project site.
- (i) Certificate from the Department of Town & Country Planning or concerned authorities to support the claim made by project proponent that the project site is located in the industrial zone as per the provisions of Master Plan of Town/City in the jurisdiction of which the project site is located.
- (vii) Compliance of the siting criteria, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
- (viii) Necessary permissions from the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA)/concerned authority for the abstraction of groundwater for the existing requirements as well as for the expanded unit. In case of not allowing such permission by the concerned authority for the abstraction of additional groundwater for the expanded project, the project proponent shall propose alternative arrangements to meet out the additional water requirements. It shall be ensured that: -
 - a) In the projects where groundwater is proposed as a water source, the project proponent shall apply to the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA), as the case may be, for obtaining No Objection Certificate (NOC) if applicable.
 - b) Approval /permission of the CGWA/SGWA shall be obtained before drawing groundwater for the project activities.
 - c) In the absence of approval, submit a copy of acknowledgment along with a set of application filed to CGWA /Competent Authority for obtaining permission for the abstraction of groundwater

- (ix) Minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- (x) STP for treatment of wastewater & re-utilization of the treated water for core/non-core activities so as to achieve the Zero Liquid Discharge Condition as per the III (iv) of OM dated 09/08/2018 issued by the MoEF&CC for such units.
- (xi) Reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
- (xii) In case of any acid pickling activity, the spent acid/effluents generated from such activities shall be utilized through authorized re-processors for converting the same into useful by-products like FeSO₄ etc. An agreement to this effect shall be made with the authorized agencies.
- (xiii) Adequate area to be reserved and marked on the layout plan for the green belt as per the conditions laid down by the MoEF&CC as per the Standard EC Conditions prescribed for Induction/ Electric Arc Furnace & Rolling Mills circulated vide OM dated 09/08/2018.
- (xiv) Detailed study report along with calculation for reserving land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking incorporating the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.
- (xv) Action plan for the compliance of standard operating procedures and up-gradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.
- (xvi) Compliance of standard operating procedures and up-gradation of suction/treatment systems for the control of secondary emissions within the time frame prescribed by the State Pollution Control Board. Similar action is to be implemented in the proposed expansion project.
- (xvii) Whole of the vehicle movement area as well as the approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete road to control the dust emissions expected from the vehicle movement.
- (xviii) The vehicles to be used for loading/unloading purposes shall not be parked along the roadside so as to avoid the traffic congestion and dedicated parking place to be provided for the same.
- (xix) Adopt green technologies to conserve the water and energy including shearing/cutting / bundling machines. Also, to provide abrasive resistant fire

bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.

- (xx) Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.
- (xxi) Delineate the concrete proposal regarding activities to be undertaken under Corporate Environmental Responsibility indicating the followings: -
 - i) various activities to be undertaken as per the provision of OM dated 01.05.2018
 - ii) proportionate provisions of funds,
 - iii) the period in which CER activities is to be implemented
 - iv) the person(s) responsible for the implementation.
- (xxii) Submit compliance w.r.t. condition no.II [(i) & (iii)] subtitled as "Air Quality Monitoring & Preservation" regarding continuous emission monitoring system and continuous ambient air quality monitoring as prescribed in the Standard EC Conditions for Induction/ Electric Arc Furnace & Rolling Mills issued by the MoEF&CC, New Delhi vide OM dated 09/08/2018.
- (xxiii) Examine and submit the proposal for: -
 - a) Recovery of iron from slag before disposing of it.
 - b) Identify the areas for utilization of slag in a scientific manner and explore its usage in cement/construction industry/manufacturing of pavers & tiles/road laying etc.
 - c) Recovery of precious metals like Zinc, lead and iron etc. from the APCD dust (Hazardous waste) through authorized re-processor.
- (xxiv) Air Pollution Control Arrangement details shall be provided as below:

Plant /Unit	Pollutants	Qty generated	Method used to Control /specifications (attach Separate Sheet to furnish Details)	Number of units planned & Capacity	Budget	Estimated Post Control Qty Pollutant	
						Per Unit	Per day

- (xxv) Submit compliance regarding the installation of Pulse jet bag filter with offline cleaning technology as APCD with the proposed induction furnace.
- (xxvi) List the species with heavy foliage, broad leaves and wide canopy cover. The landscape planning should include plantation of native species. Water intensive and/or invasive species should not be used for landscaping.

- (xxvii) Examine the quantity of hazardous waste for category 5.1 & 35.1 generated from the unit and shall submit its disposal arrangements.
- (xxviii) Examine the source of water to meet the requirement of green area in the summer season.

The following general points shall be noted:

- (i) The EIA document shall be printed on both sides, as far as possible.
- (ii) All documents shall be properly indexed, page numbered.
- (iii) Period/date of data collection shall be clearly indicated.
- (iv) The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.
- (v) The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
- (vi) The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.
- (vii) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF vide notification dated 03.03.2016 which is available on the website of this Ministry shall also be followed.
- (viii) The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. Name of the Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.

The Terms of Reference (TOR) prescribed by the State Expert Appraisal Committee (SEAC), Punjab should be considered for the preparation of EIA / EMP report for the project in addition to all the relevant information as per the Generic Structure of EIA given in Appendix III and IIIA in the EIA Notification, 2006.

Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for the conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification, 2006. The Public Hearing shall be chaired by an Officer, not below the rank of Additional District Magistrate. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in a separate chapter and

summarized in a tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made.

If any part of the data/information submitted by the project proponent is found to be false or misleading at any stage, then SEIAA & SEAC will not be responsible for the expenditure incurred on the project due to issuance of this TOR or subsequent work carried out by the project proponent for conducting EIA study or for any other activity related to the project.

The 'Terms of Reference' (TORs) prescribed will be valid for a period of three years from its issuance. The final EIA report shall be submitted to the SEIAA, Punjab for obtaining environmental clearance.

4.0 Deliberations during 168th meeting of SEIAA held on 07.08.2020

The case was placed before in its 168th meeting held on 07.08.2020 and the same was attended by the following: -

1. Sh. Tanuj Bansal, Director
2. Sh. Sital Singh, EIA coordinator, M/s CPTL Mohali.

Environmental Consultant of the Promoter Company presented the salient features of the project and requested for issuance of TORs. A copy of the presentation submitted by the project proponent was taken on record by the SEIAA

During discussions, the Environmental Consultant of the promoter company agreed to prepare detailed EIA on the basis of Terms of Reference as recommended by the SEAC.

The SEIAA observed that the SEAC has categorized the project into B-1 category (activity listed 3 (a) of the schedule) with public consultation as required for the projects not located in notified industrial parks/ estates and has recommended specific TORs for undertaking detailed EIA & EMP for such type of projects. The SEIAA looked into the details of the case and was satisfied with the same.

After detailed deliberation, SEIAA decided to: -

- i) accept the request of project proponent regarding the withdrawal of old application having proposal no SIA/PB/IND/51066/2020 dated 23.07.2020,
- ii) issue the terms of reference for preparing Environmental Impact Assessment (EIA) report in reference to the new application having proposal no SIA/PB/IND/55021 /2020 as proposed by SEAC.

Item No. 168.11 Application for issuance of TORs for manufacturing of 1,05,000 TPA of Alloys/Non Alloys Steel Billets/Ingots and 1,00,000 TPA of Structural Steel (Round, Coil, Flats, Wire Rod, TMT Bars) by upgrading existing furnace to 10TPH, addition of one no. IF of capacity 15TPH, a Concast and a Rolling Mill having capacity 15TPH respectively at Village-Bhagwanpura, Dehlon Road, Tehsil- Ludhiana East, District-Ludhiana, Punjab by M/s J.N. Tayal Steels Pvt. Ltd. (Proposal No. SIA/PB/IND/46655/2019)

SEAC observed that

1.0 Background

The project proponent has applied for issuance of TORs for installing two Induction Furnaces of capacity 1×15 TPH & 1 x 10 TPH by replacing induction furnaces of 1x 8 TPH, and a concast machine for manufacturing of Steel Ingots/Billets with capacity 1,05,000 TPA & installing a Rolling Mill for manufacturing Round, Coil, Flats, Wire rod, TMT Bars with capacity of 1,00,000 TPA to M/s J.N. Tayal Steels Pvt. Ltd. located at Village- Bhagwanpura, Dehlon Road, Tehsil- Ludhiana East, District- Ludhiana, Punjab. The Project is covered under Activity 3(a) & Category 'B1'.

The project proponent submitted the Form I, Pre-feasibility report and other additional documents on online portal. He has also deposited the processing fee amounting to Rs. 32,275/- (25% of the total fee) through NEFT No. SBIN20071284811 dated 11.03.20. w.r. t Rs. 12.91 crores.

The application was scrutinized & Essential Details were sought to which project proponent replied vide Email dated 12.03.20, 03.06.20 and 21.07.20 respectively.

2.0 Deliberations during the 191st meeting of SEAC held on 04.03.2020

The meeting was attended by Sh. Jitin Tayal, Director of the company through Video Conference and Sh .Sh. Sital Singh, EIA Coordinator, M/s CPTL, Mohali.

Environmental Engineer, PPCB, RO 4, Ludhiana was requested vide email dated 31.12.2019 and 03.02.20 to send the construction status of the project site. Accordingly, they replied vide letter dated 17.03.20 that the industry was visited on 16.03.20 and it was observed as under:-

Sr. No.	Description of points	Reply
1	Construction /installation status of the expansion proposal of the proposed project of the industry	No construction activity regarding the expansion of the industry is in progress at site.
2	As to whether existing production is less than 30000 TPA. Please send the detailed report.	The computerized record of production of the industry w.e.f April 2019 to Feb, 2020 has been collected during visit and as per the record of the industry, the total production of the industry since April, 2019 is 27464 Ton.
3.	Distance of unit from the boundary of MC limit and Critically Polluted Area	As per the DTP, Ludhiana letter no. 3684 DTP(L)/M2A dated 26.11.2019, the site of the industry is located at a distance 6.2 KM from the MC limit and the site of the industry falls in Medium & Heavy industry zone as per notified Master Plan, Ludhiana (2007-2021)
4.	Status of physical structures within 500 m radius of the site including the status of industries, if any.	There are 18 no. industries are located within the 500 m radius of the site of the industry
5.	Status of consents issued to existing unit under the Air Act, 1981 and the Water Act, 1974.	The industry was granted consent to operate under the Water Act, 1972 vide no. CTOW/Fres/LDH4/2019/9761041 dated 28.06.2019 which is valid upto 30.06.2023 and under the Air Act, 1981 vide no. CTOA/Fresh/LDH4/2019/9760969 dated 28.06.2019 which expired on 27.12.2019. The industry has also applied for renewal of consent to operate under Air Act, 1981 which is under process.
6	As the whether, the existing unit complying with condition of consent to	Yes

	operate under Air Act, 1981 and Water Act, 1973 granted to it.	
--	--	--

Environmental Consultant of the promoter company submitted the presentation for new proposal, which was taken on record. As per the presentation, the details of the salient features of the project are as under:

Sr. No.	Description	Details
1.	Online Proposal No.	SIA/PB/IND/46655/2019
2.	Name and Location of the project	M/s J.N. Tayal Steels Pvt. Ltd. at Village-Bhagwanpura, Dehlon road, Tehsil- Ludhiana east, District- Ludhiana
3.	In case of expansion projects, whether granted EC earlier, if Yes, then provide its details	It is an expansion project. But due to existing capacity of 29,610 TPA, earlier EC was not required.
4.	Nature of project (Fresh EC/EC for Expansion/New)	Fresh EC
5.	a) Category b) Activity (As per schedule appended to EIA Notification, 2006 as amended time to time.)	(a) B1 (b) 3(a) Metallurgical Industries (ferrous & non ferrous)
6.	Whether project falls within 5km from the boundary of critically polluted area (Yes/No)	The project site is located at distance of 6.20 km from MC Limit Ludhiana. Distance certificate vide letter no.- 3684DTP(L)/M2A dated 26/11/2019 obtained from District Town Planner, Ludhiana has been submitted
7.	Details of Consent to operate under (Air/Water Act) of existing project	Consent to operate under (Air/Water Act) has been submitted
8.	Existing production Capacity (TPA)	Alloys/Non alloys Steel Ingots- 29,610 TPA
9.	Details TOR processing fee submitted (25% of the total project cost)	25% of the total project cost i.e. a sum of Rs. 32,275/- has been submitted through RTGS vide UTR No. SBIN120071284811 dated 11.03.20.
10.	Co-ordinates of the project site (Latitude & Longitude) :	Latitude : 30°47'43.57"N 30°47'43.47"N 30°47'41.80"N 30°47'41.80" N Longitude: 75°56'38.92"E 75°56'30.28"E 75°56'30.78"E 75°56'38.87"E

11.	Classification/Land use pattern as per Master Plan	The site falls in Industrial zone as per master plan (2007-21)			
12.	Details of CLU certificate	CLU has been obtained vide memo no.- 890 STP(L)/TW-12A dated 10/03/2010 for land Area 1.86 Acres having Khasra no. 18/18,4//21/2,22/2,5//4/2,7,14,17,18,23,24,25 / ,6//3/1,4/1,5,6/1,7/1,7//1,2,9/1,10/1 As per CLU record, the site falls in Medium & heavy Industry zone as per master plan (2007-21).			
13.	Copy of memorandum of Article & Association/ partnership deed/undertaking of sole proprietorship/ list of Directors and names of other persons responsible for managing day to day affairs of the project.	Submitted copy of memorandum			
14.	No. of Working Days/Annum	350 days in a year			
15.	No. of working Hrs/Day	21 hrs/day			
16.	Manpower (Existing & After expansion)	Existing - 45 Proposed – 55 After Expansion - 100			
17.	Details of block as per CGWA guideline (Notified/ Non Notified area) in which project site is located	The project site falls in Samrala Block which is Non-notified area as per CGWA guidelines.			
18.	Project Area Details as per Pre-Feasibility report :				
	S.no.	Details	Existing Land	Proposed Additional Land	Total land after Expansion
	1.	Plot Area (in sqm as per registry)	11533	---	11533 (2.85 Acre)
19.	Total Project cost	Rs. 12.91 Crore			
20.	Raw Material requirement as per following format:				
	S.No.	Product name	Existing (TPA)	Proposed (TPA)	After Expansion (TPA)
	1.	MS Scrap	32,500	82,900	1,15,400
	2.	Ferro Alloys	1050	3,150	4,200

21.	Production Capacity as per following format :				
	S.No.	Product name	Existing (TPA)	Proposed (TPA)	After Expansion (TPA)
	1.	Alloy/ Non alloy Steel Billets/Ingots	29,610	75,390	1,05,000
2.	Structural Steel (Round, Coil, Flats, Wire rod, TMT bars)	Nil	1,00,000	1,00,00	
22.	Details of major productive machinery/plant				
	S.No.	Particulars	Existing	Proposed	After Expansion
	1.	Induction Furnace	1X8 TPH	Existing 8TPH will be upgraded to 10TPH, 1X15 TPH	1X10 TPH 1X15 TPH
	2.	Rolling Mill	Nil	1 No. (15TPH)	1 No. (15TPH)
3.	CCM	Nil	01 No.	01 No.	
23.	Water Requirements & its source :				
	S. No.	Description	Existing water demand (KLD)	Proposed water demand (KLD)	Total water demand (KLD)
	1.	Domestic water demand	4.5	3.0	7.5
	2.	Make up water demand for cooling purpose	8.0	15.0	23.5
	Total		12.5	18.0	30.5
	Sources of water:				
	Sr. No.	Purposes	Source of water		
	1.	Domestic	Own tubewell		
	2.	Make-up water demand for cooling	Own tubewell		
	3.	Green area water demand	Treated waste water		
24.	Details of Effluent : The waste water generated from domestic and cooling purposes will be treated through STP of 10 KLD capacity and will be used for plantation as mentioned PFR.				

25.	Details of Hazardous waste and its disposal (After expansion)				
	Sr. No	Hazardous Waste	Category	Quantity (TPD) (After expansion)	Disposal arrangement
	1.	Gas Cleaning Residue (APCD dust)- Bag filter	35.1	0.86	Will be sent to TSD site or M/s Madhav alloys for final disposal
	2.	Gas Cleaning Residue (APCD dust)- Alkali scrubber	35.1	--	--
3.	Used Oil (kl/annum)	5.1	--	Will be reused as lubricant in the industry y.	
26.	Solid waste generation and its disposal (After expansion)				
	Sr. No.	Solid Waste	Quantity (TPD) (After Expansion)	Disposal arrangement	
(i)	Slag	28.11	Will be sent to approved manufactures of concrete blocks, pavers and tiles.		
27.	Energy Requirements (After expansion)		16000KW Source - PSPCL		

During the meeting, the following observations were made to which project proponent replied as under:

Sr. No	Observations	Reply
1)	Production of the exiting plant is reported 29610 TPA. How many heats per day is taking by the units and accordingly provide the calculations.	Project proponent submitted the computerized record of production of the industry w.e.f April, 2019 to March 2020. As per the said record of the industry, the total production of the industry for a year was 29417.925 MT. He further informed that he was taking total 11 heats in a day and the maximum production, which can be achieved in year considering 330 working days on average basis is $8 \times 11 \times 335 = 29480$ MT.
1	Please provide the details of project area of land to be	The project area to be considered is 2.85 acres as per the registry of land submitted.

	considered and existing and proposed amenities to be marked on the layout plan.	Out of 2.85 acres land, the CLU is granted to 1.85 acre. The CLU of balance 1 acre will be obtained. The existing and proposed amenities has been marked on the layout plan and same has already been submitted, which was taken on record.
2.	As to whether 33% green area proposed in consonance with the requirement of MoEF	PP submitted that 33% green area will be provided w.r.t 2.85 acres of land.

3.0 Recommendations

After detailed deliberations, it was decided to categorize the project under Activity 3(a); B-1 with public consultation as required for the project. The baseline study shall be carried out by Environmental Consultant for full season except monsoon season, which includes at least three days of traffic study. The Committee approved the following Terms of Reference for preparing Environmental Impact Assessment (EIA) report for the proposed project and recommended to SEIAA to issue the following TORs:

A. STANDARD TERMS OF REFERENCE

1) Executive Summary

Report in about 8-10 pages incorporating the following:

- (i) Project name and location (Village, Distt., State, Industrial Estate (if applicable))
- (ii) Products and capacities. If expansion proposal, then existing products with capacities and reference to earlier EC.
- (iii) Requirement of land, raw material, water, power, fuel, with source of supply (Quantitative)
- (iv) Process description in brief, specifically indicating the gaseous emission, liquid effluent and solid and hazardous wastes.
- (v) Measures for mitigating the impact on the environment and mode of discharge or disposal.
- (vi) Capital cost of the project, estimated time of completion
- (vii) Site selected for the project - Nature of land - Agricultural (single/double crop), barren, Govt./private land, status of is acquisition, nearby (in 2-3 km.) water body, population, within 10 km other industries, forest, eco-sensitive zones, accessibility, (note - in case of industrial estate this information may not be necessary)

- (viii) Baseline environmental data - air quality, surface and groundwater quality, soil characteristic, flora and fauna, socio-economic condition of the nearby population Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk.
- (ix) Identification of hazards in handling, processing and storage of hazardous material and safety system provided to mitigate the risk
- (x) Likely impact of the project on air, water, land, flora-fauna and nearby population
- (xi) Emergency preparedness plan in case of natural or in plant emergencies
- (xii) Issues raised during public hearing (if applicable) and response given
- (xiii) CSR/CER plan with proposed expenditure.
- (xiv) Occupational Health Measures
- (xv) Post Project monitoring plan
- (xvi) Synopsis of the project (as available on web site i.e. www.pbdecc.gov.in)

2) Introduction

- (i) Details of the EIA Consultant including NABET accreditation
- (ii) Information about the project proponent
- (iii) Importance and benefits of the project

3) Project Description

- (i) Cost of project and time of completion.
- (ii) Products with capacities for the proposed project.
- (iii) If expansion project, details of existing products with capacities and whether adequate land is available for expansion, reference of earlier EC if any.
- (iv) List of raw materials required and their source along with mode of transportation.
- (v) Other chemicals and materials required with quantities and storage capacities.
- (vi) Details of Emission, effluents, hazardous waste generation and their management.
- (vii) Requirement of water (breakup for induction and rolling mill), power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract).
- (viii) Process description along with major equipment and machineries, process flow sheet (quantitative) from raw material to products to be provided
- (ix) Hazard identification and details of proposed safety systems.
- (x) In case of Expansion/modernization proposals:

- c) Status of compliance of Consent to Operate for the ongoing /existing operation of the project from SPCB shall be attached with the EIA-EMP report.
- d) In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4) Site Details

- (i) Location of the project site covering village, Taluka / Tehsil, District and State, Justification for selecting the site, whether other sites were considered. Copy of Master Plan indicating a land use pattern of the site is in conformity of proposals of Master Plan shall be attached with EIA report.
- (ii) A top sheet of the study area of radius of 10 km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (Including all eco-sensitive areas and environmentally sensitive places)
- (iii) Details w.r.t. option analysis for selection of site.
- (iv) Co-ordinates (lat-long) of all four corners of the site.
- (v) Google map-Earth downloaded of the project site
- (vi) Layout maps indicating existing unit as well as proposed unit indicating storage area of raw material, finished products, greenbelt area with marking of tree, Location of STP/ETP, Solid waste storage area, Parking space, Firefighting equipment layout, First aid room, Location of Tube wells, DG Sets & Transformers and any other utilities
- (vii) If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- (viii) Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- (ix) Land use break-up of total land of the project site (identified and acquired), government/private - agricultural, forest, wasteland, water bodies, settlements, etc. shall be included. (not required for industrial area)
- (x) A list of major industries with name and type within study area (10 km radius) shall be incorporated. Land use details of the study area.
- (xi) Geological features and Geo-hydrological status of the study area shall be included.

- (xii) Details of Drainage of the project up to 5km radius of study area. If the site is within 1 km radius of any major river, peak and lean season river discharge as well as flood occurrence frequency based on peak rainfall data of the past 30 years. Details of Flood Level of the project site and maximum Flood Level of the river shall also be provided. (mega green field projects)
- (xiii) Status of acquisition of land. If acquisition is not complete, stage of the acquisition process and expected time of complete possession of the land.
- (xiv) R&R details in respect of land in line with state Government policy

5) Forest and wildlife related issues (if applicable):

- (i) Permission and approval for the use of forest land (forestry clearance), if any, and recommendations of the State Forest Department. (if applicable).
- (ii) Land use map based on High resolution satellite imagery (OPS) of the proposed site delineating the forestland (in case of projects involving forest land more than 40 ha).
- (iii) Status of Application submitted for obtaining the stage I forestry clearance along with latest status shall be submitted.
- (iv) The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, the project proponent shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-a-vis the project location and the recommendations or comments of the Chief Wildlife Warden-thereon.
- (v) Wildlife Conservation Plan duly authenticated by the Chief Wildlife Warden of the State Government for conservation of Schedule I fauna, if any exists in the study area.
- (vi) Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife.

6) Environmental Status

- (i) Determination of atmospheric inversion level at the project site and site specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- (ii) AAQ data (except monsoon) at 8 locations for PM 10, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre dominant wind direction, population zone and sensitive receptors including reserved forests.
- (iii) Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.

- (iv) Surface water quality of nearby River (100m upstream and downstream) and other surface drains at eight locations as per CPCB/MoEF& CC guidelines.
- (v) Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF& CC.
- (vi) Groundwater monitoring at minimum at 8 locations shall be included.
- (vii) Noise levels monitoring at 8 locations within the study area.
- (viii) Soil Characteristic as per CPCB guidelines.
- (ix) Traffic feasibility / serviceability study for at least 3 days based on Indian Standard Codes. Further, it shall also include the details of cross-section of the road on which industry is located, vehicles movement w.r.t. the industry, traffic load of other vehicles on the road incorporating the haulage time for the vehicles for loading/unloading within the premises and parking requirement to avoid the traffic congestions on the link and adjoining roads. Traffic study shall be conducted considering the traffic of the industries located in the vicinity.
- (x) Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule-I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- (xi) Socio-economic status of the study area.

7) Impact Assessment and Environment Management Plan

- (i) Assessment of ground level concentration of pollutants from the stack emission based on site-specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modeling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be well assessed. Details of the model used and the input data used for modeling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- (ii) Water Quality modelling.
- (iii) Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor-cum-rail transport shall be examined.
- (iv) A note on treatment, recycling and reuse of wastewater from different plant operations, extent for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under EPA Rules.

- (v) Details of stack emission and action plan for control of emissions to meet standards.
 - (vi) Measures for fugitive emission control
 - (vii) Details of hazardous waste generation and their storage, utilization and disposal. Copies of MOU regarding utilization of solid and hazardous waste shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
 - (viii) Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.
 - (ix) Action plan for the green belt development in 33 % area with not less than 1,500 trees per hectares giving details of species, width of plantation, planting schedule, post plantation maintenance plan for 3 years shall be included. The green belt shall be around the boundary and a scheme for greening of the roads used for the project shall also be incorporated
 - (x) Action plan for rainwater harvesting measures at alternative sites shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the groundwater and also to use for the various activities to conserve freshwater and reduce the water requirement from other sources.
 - (xi) Total capital cost and recurring cost/annum for environmental pollution control measures shall be included.
 - (xii) Action plan for post-project environmental monitoring shall be submitted.
 - (xiii) Onsite and Offsite Disaster (natural and Man-made) Preparedness and Emergency Management Plan including Risk Assessment and damage control. Disaster management plan should be linked with the District Disaster Management Plan.
- 8) Occupational health
- (i) Details of existing Occupational & Safety Hazards. What are the exposure levels of above-mentioned hazards and whether they are within the Permissible Exposure Level (PEL)? If these are not within PEL, what measures the company has adopted to keep them within PEL so that the health of the workers can be preserved,
 - (ii) Details of exposure specific health status evaluation of worker. If the workers' health is being evaluated by pre-designed format, chest x rays, Audiometry, Spirometry, Vision testing (Far & Near vision, colour vision and any other ocular defect) ECG, during pre-placement and periodical examinations give the details of the same. Details regarding last month analyzed data of above-mentioned parameters as per age, sex, duration of exposure and department wise.
 - (iii) Annual report of the health status of workers with special reference to Occupational Health and Safety.

- (iv) Plan and fund allocation to ensure the occupational health & safety of all contract and casual workers.
- 9) Corporate Environment Policy
- (i) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
 - (ii) Does the Environment Policy prescribe for standard operating processes/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/conditions? If so, it may be detailed in the EIA.
 - (iii) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the environmental clearance conditions? Details of this system may be given.
 - (iv) Does the company have a system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- 10) Details regarding infrastructure facilities such as sanitation, fuel, restroom, etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during the operation phase.
- 11) Enterprise Social Commitment (ESC)
- (i) To address the Public Hearing issues, 2.5% of the total project cost of (Rs.____crores), amounting to Rs.____crores, shall be earmarked by the project proponent, towards Enterprise Social Commitment (ESC). Distinct ESC projects shall be carved out based on the local public hearing issues. Project estimate shall be prepared based on PWD schedule of rates for each distinct Item and schedule for time-bound action plan shall be prepared. These ESC projects as indicated by the project proponent shall be implemented along with the main project. Implementation of such program shall be ensured by constituting a Committee comprising of the project proponent, representatives of village Panchayat & District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office. No free distribution/donations and or free camps shall be included in the above ESC budget
- 12) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.
- 13) A tabular chart with index for points wise compliance of above TORs.

B. STANDARDISED SPECIFIC TERMS OF REFERENCE FOR EIA STUDIES FOR INDUCTION/ ARC FURNACES/CUPOLA FURNACES 5TPH OR MORE

- (i) Details of proposed layout clearly demarcating existing & proposed features of the project within the plant.
- (ii) Total no. of furnaces & details including capacity of each furnace.
- (iii) Detail of the mechanical shredder to reduce the size of the raw material.
- (iv) Complete process flow diagram describing each unit, its processes, and operations, along with material and energy inputs and outputs (material and energy balance).
- (v) Details on the design and manufacturing process for all the units.
- (vi) Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
- (vii) Details on the requirement of raw materials, its source, and storage at the plant.
- (viii) Details on the requirement of energy and water along with its source and authorization from the concerned department. Location of water intake and outfall points (with coordinates).
- (ix) Details on toxic metal content in the waste material and its composition and end-use (particularly of slag).
- (x) Details on toxic content (TCLP), composition and end-use of chrome slag. Details on the recovery of the Ferro chrome from the slag and its proper disposal.

C. ADDITIONAL SPECIFIC TORS DECIDED DURING MEETING OF SEAC

- (ii) Public consultation is required for the projects as not located in notified industrial parks/estates.
- (iii) Submit proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF)
- (iv) Submit dully filled prescribed field data sheets and analysis reports along with exact location of sampling / monitoring point marked on the layout map. Also submit the status of approvals of Laboratories.
- (v) Submit cost of the project duly certified by Chartered Engineer/ Approved valuer / Chartered Accountant. In the absence of above, the project proponent may submit self-certified detail of cost of the project mentioning the cost of Land, building, infrastructure and plant & machinery
- (vi) Certificate from the concerned authority w.r.t the location of protected areas as notified under the Wildlife Protection Act, 1972 within 5 km radius from the boundary of the project site.

- (xxix) Certificate from the Department of Town & Country Planning or concerned authorities to support the claim made by project proponent that the project site (2.85 acres land) is located in the industrial zone as per the provisions of Master Plan of Town/City in the jurisdiction of which the project site is located otherwise project proponent shall submit the Change of land use of the project site for total land area 2.85 acres.
- (vii) Compliance of the siting criteria, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
- (viii) Necessary permissions from the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA)/concerned authority for the abstraction of groundwater for the existing requirements as well as for the expanded unit. In case of not allowing such permission by the concerned authority for the abstraction of additional groundwater for the expanded project, the project proponent shall propose alternative arrangements to meet out the additional water requirements. It shall be ensured that: -
 - a) In the projects where groundwater is proposed as a water source, the project proponent shall apply to the Central Groundwater Authority (CGWA)/ State Groundwater Authority (SGWA), as the case may be, for obtaining No Objection Certificate (NOC) if applicable.
 - b) Approval /permission of the CGWA/SGWA shall be obtained before drawing groundwater for the project activities.
 - c) In the absence of approval, submit a copy of acknowledgment along with a set of application filed to CGWA /Competent Authority for obtaining permission for the abstraction of groundwater
- (ix) Minimize the water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- (x) STP for treatment of wastewater & re-utilization of the treated water for core/non-core activities so as to achieve the Zero Liquid Discharge Condition as per the III (iv) of OM dated 09/08/2018 issued by the MoEF&CC for such units.
- (xi) Reuse of cooling tower blow down, simultaneously ensuring the standards prescribed for such purge waters. If required, necessary arrangements shall be made to keep this waste stream within the parameters required for reuse.
- (xii) In case of any acid pickling activity, the spent acid/effluents generated from such activities shall be utilized through authorized re-processors for converting the same into useful by-products like FeSO₄ etc. An agreement to this effect shall be made with the authorized agencies.
- (xiii) Adequate area to be reserved and marked on the layout plan for the green belt as per the conditions laid down by the MoEF&CC as per the Standard EC

Conditions prescribed for Induction/ Electric Arc Furnace & Rolling Mills circulated vide OM dated 09/08/2018.

- (xiv) Detailed study report along with calculation for reserving land for loading or unloading of raw material, products, slag, hazardous waste as well as for storage of these materials and the area to be reserved for parking incorporating the time required for loading and unloading of vehicles for respective activities and minimum/maximum period for which storage of the above material is required in the premises. The areas for the respective activities to be marked on the layout plan.
- (xv) Action plan for the compliance of standard operating procedures and up-gradation of suction and treatment arrangement for the secondary emissions as prescribed by the State Pollution Control Board or by CPCB/MoEF&CC.
- (xvi) Compliance of standard operating procedures and up-gradation of suction/treatment systems for the control of secondary emissions within the time frame prescribed by the State Pollution Control Board. Similar action is to be implemented in the proposed expansion project.
- (xvii) Whole of the vehicle movement area as well as the approach road to the gate /weighing bridge shall be paved with pucca/metalled / cement concrete road to control the dust emissions expected from the vehicle movement.
- (xviii) The vehicles to be used for loading/unloading purposes shall not be parked along the roadside so as to avoid the traffic congestion and dedicated parking place to be provided for the same.
- (xix) Adopt green technologies to conserve the water and energy including shearing/cutting / bundling machines. Also, to provide abrasive resistant fire bricks in the crucibles to reduce the periodic maintenance & disposal of discarded fire bricks.
- (xx) Use of natural gas (if available) as substitute fuel wherever possible in the existing industry/ for the expansion project.
- (xxi) Delineate the concrete proposal regarding activities to be undertaken under Corporate Environmental Responsibility indicating the followings: -
 - i) various activities to be undertaken as per the provision of OM dated 01.05.2018
 - ii) proportionate provisions of funds,
 - iii) the period in which CER activities is to be implemented
 - iv) the person(s) responsible for the implementation.
- (xxii) Submit compliance w.r.t. condition no.II [(i) & (iii)] subtitled as "Air Quality Monitoring & Preservation" regarding continuous emission monitoring system and continuous ambient air quality monitoring as prescribed in the Standard EC Conditions for Induction/ Electric Arc Furnace & Rolling Mills issued by the MoEF&CC, New Delhi vide OM dated 09/08/2018.

- (xxiii) Examine and submit the proposal for: -
- a) Recovery of iron from slag before disposing of it.
 - b) Identify the areas for utilization of slag in a scientific manner and explore its usage in cement/construction industry/manufacturing of pavers & tiles/road laying etc.
 - c) Recovery of precious metals like Zinc, lead and iron etc. from the APCD dust (Hazardous waste) through authorized re-processor.

(xxiv) Air Pollution Control Arrangement details shall be provided as below:

Plant /Unit	Pollutants	Qty generated	Method used to Control /specifications (attach Separate Sheet to furnish Details)	Number of units planned & Capacity	Budget	Estimated Post Control Qty	
						Per Unit	Per day

- (xxv) Submit compliance regarding the installation of Pulse jet bag filter with offline cleaning technology as APCD with the proposed induction furnace.
- (xxvi) List the species with heavy foliage, broad leaves and wide canopy cover. The landscape planning should include plantation of native species. Water intensive and/or invasive species should not be used for landscaping.
- (xxvii) Examine the quantity of hazardous waste for category 5.1 & 35.1 generated from the unit and shall submit its disposal arrangements.
- (xxviii) Examine the source of water to meet the requirement of green area in the summer season.

The following general points shall be noted:

- (i) The EIA document shall be printed on both sides, as far as possible.
- (ii) All documents shall be properly indexed, page numbered.
- (iii) Period/date of data collection shall be clearly indicated.
- (iv) The letter/application for environmental clearance shall quote the MOEF / SEIAA file No. and also attach a copy of the letter.
- (v) The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
- (vi) The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report.

- (vii) While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MOEF vide notification dated 03.03.2016 which is available on the website of this Ministry shall also be followed.
- (viii) The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA-EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. Name of the Consultant and the Accreditation details shall be posted on the EIA-EMP Report as well as on the cover of the Hard Copy of the Presentation material for EC presentation.

The Terms of Reference (ToR) prescribed by the State Expert Appraisal Committee (SEAC), Punjab should be considered for the preparation of EIA / EMP report for the project in addition to all the relevant information as per the Generic Structure of EIA given in Appendix III and IIIA in the EIA Notification, 2006.

Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for the conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification, 2006. The Public Hearing shall be chaired by an Officer, not below the rank of Additional District Magistrate. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in a separate chapter and summarized in a tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made.

If any part of the data/information submitted by the project proponent is found to be false or misleading at any stage, then SEIAA & SEAC will not be responsible for the expenditure incurred on the project due to issuance of this ToR or subsequent work carried out by the project proponent for conducting EIA study or for any other activity related to the project.

The 'Terms of Reference' (TORs) prescribed will be valid for a period of three years from its issuance. The final EIA report shall be submitted to the SEIAA, Punjab for obtaining environmental clearance.

4.0 Deliberations during 168th meeting of SEIAA held on 07.08.2020

The case was placed before in its 168th meeting held on 07.08.2020 and the same was attended by the following:-

1. Sh. Mohan Tayal, Director
2. Sh. Sital Singh, EIA coordinator, M/s CPTL Mohali.

Before allowing the project proponent to present the salient features of the project, SEIAA queried to the project proponent regarding the distance of the site from the MC limit of Ludhiana. To this, the project proponent replied that as per the DTP, Ludhiana letter no.- 3684DTP(L)/M2A dated 26/11/2019, the project site is located at the distance of 6.20 km from MC Limit Ludhiana.

SEIAA perused the distance of the project site from MC Limit on the google earth software and it was observed that the distance of the mining site is very near to 5.0 Km. As such, a certificate issued by the DTP, Ludhiana is misleading the facts.

SEIAA was not satisfied with the reply of the project proponent. SEIAA observed that it is a boundary case and in order to verify as to whether General Condition applies to the project or not, a concrete report regarding the distance of the site from MC limit is required to be obtained in the matter from the PPCB.

After detailed deliberation, SEIAA decided to defer the case and request the Member Secretary, PPCB to send the report clarifying as to whether the site of the industry falls within the 5 KM radius of the MC limit (critically polluted area Limit) or outside the said radius, within fifteen days so that further action in the matter can be taken.

Item No 168.12 to 168.24

While considering the applications for grant / transfer of EC for these items, SEIAA observed that following points have not been properly taken care of:

- 1) Demarcation of the mining site in the presence of the Revenue officer, Mining officer, Lambardar, project proponent/ contractor, owner of the land and owners of the adjoining land and submission of the demarcation report duly signed by them.
- 2) Submission of Final District survey report, containing apart from other details as mentioned in the guidelines of 2016, specifically including the following points: -
 - a) Recommendation regarding Environmentally safe depth of mining, safe distance from banks and suitability of site for mining or prohibition thereof, duly signed by the members of the Sub Divisional Committee comprising of Sub-Divisional Magistrate, Officers from Irrigation Department, State Pollution Control Board or Committee, Forest department, Geology or mining officer.
 - b) Replenishment study for the river bed cases.
- 3) Consent of all the owners of the land in case of the private land.
- 4) Applicability of general conditions after carefully considering the OM issued by the MoEF&CC dated 12.12.2018 and Notification dated 14.08.2018. The Project proponent shall provide the exact coordinates of all the corners of the site and the shortest distance of mining site from the followings: -
 - a) Protected area notified under the Wildlife (Protection) Act, 1972.
 - b) Critically Polluted areas as identified by the Central Pollution Control Board from time to time,
 - c) Eco-sensitive areas as notified under section 3 of the Environment (Protection) Act, 1986,
 - d) Inter-State boundaries and international boundaries.
- 5) All the cases having a mining area >5 hectare shall be considered at par with B1 category as per OM dated 12.12.2018.
- 6) Proper justification of use of semi-mechanized/mechanized method, if any, over the manual method of mining considering the location, thickness of sand deposition, agriculture land/river bed, with detailed calculations and benefits to be achieved for the Environment. Because as per Standard EC conditions provided in the Guidelines, 2016, manual method of mining shall be preferred over any other method.
- 7) Cross-section of the river with establishment of red line, in case of river bed mining.

- 8) Submission of an undertaking to the effect that no litigation/court case is pending before any court of law against the project and/or on land in which mining is to be carried out.
- 9) Submission of an undertaking to the effect that there is no other mine within 500 m. radius from the periphery of this site.

It was also brought to the notice of SEIAA that CWP no. 10239 of 2020 titled Rahul Pathania V/s Union of India and others regarding the illegal mining has also been received on 01.08.2020. SEIAA observed that the petitioners have also stressed upon some of the above mentioned points in the petition before the Hon'ble High Court.

After detailed deliberations, SEIAA decided to defer the item no 168.12 to 168.24 and to ask the project proponents/ consultants to re-examine their cases in the light of the aforesaid points and include in their presentation. These cases shall be examined by SEIAA in its next meeting as and when scheduled.

Meeting ended with a vote of thanks to the Chair.

Annexure-I

Standard Terms of Reference (TOR) for Mining Project

- 1) Submit dully filled checklist with the application of environmental clearance.
- 2) Deposit the requisite fee as per Notification No. 10/167/2013-STE(5)/1510178 dated 27.06.2019 issued by the Govt. of Punjab, Department of Science, Technology, and Environment
- 3) Project Proponent is required to conduct public hearing in light of the OM dated 12.12.2018 issued by MoEF. The draft EIA-EMP report shall be submitted to the Punjab Pollution Control Board of the concerned State for the conduct of Public Hearing. The PPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification,2006. The Public Hearing shall be chaired by an Officer, not below the rank of Additional District Magistrate.
- 4) Submission of Final District survey report, containing apart from other details as mentioned in the guidelines of 2016, specifically including the following points:
 - a) Recommendation regarding Environmentally safe depth of mining, safe distance from banks and suitability of site for mining or prohibition thereof, duly signed by the members of the Sub Divisional Committee comprising of Sub-Divisional Magistrate, Officers from Irrigation Department, State Pollution Control Board or Committee, Forest department, Geology or mining officer.
 - b) Replenishment study for the river bed cases.
- 5) Proper justification of use of semi-mechanized/mechanized method, if any, over the manual method of mining considering the location, thickness of sand deposition, agriculture land/river bed, with detailed calculations and benefits to be achieved for the Environment. Because as per Standard EC conditions provided in the Guidelines, 2016, manual method of mining shall be preferred over any other method.
- 6) The Project proponent shall provide the exact coordinates of all the corners of the site and the shortest distance of mining site from the followings: -
 - a. Protected area notified under the Wildlife (Protection) Act, 1972.
 - b. Critically Polluted areas as identified by the Central Pollution Control Board from time to time,
 - c. Eco-sensitive areas as notified under section 3 of the Environment (Protection) Act, 1986,
 - d. Inter-State boundaries and international boundaries.

- 5) *Submit a copy of visit report of Sub Divisional committee comprising of Sub-Divisional Magistrate, Officers from Irrigation Department, State Pollution Control Board or Committee, Forest department, Geology or mining officer indicating the recommendation regarding the Environmentally safe depth of mining, a safe distance from banks and suitability of the site for mining or prohibition thereof as per the Sustainable Sand Mining Management Guidelines, (SSMMG)-2016 issued by MOEF&CC.*
- 6) *Demarcation of the mining site in the presence of the Revenue officer, Mining officer, Lambardar, project proponent/ contractor, owner of the land and owners of the adjoining land and submission of the demarcation report duly signed by them.*
- 9) *Submit complete transportation plan giving detailed procedure (details of route plan to be followed by trucks transporting minor minerals with traffic volume data etc.)*
- 10) Submit a copy of ownership of land such as copy of latest jamabandi and consent of all the owner of land.
- 11) A copy of Mining Plan dully approved by the State Geologist
- 12) Submit the contour plan showing river bed level, water level and present surface levels at various cross sections etc.
- 13) Red line to be marked on the x-sections in case riverbed mining.
- 14) Submit 1.0 Km radius map of the area from periphery of project site clearly indicating the physical features.
- 15) Submit an undertaking to the effect that there is no other mine within 500 m. radius from the periphery of this site.
- 16) Submit photographs of the mining site taken from all the four sides mentioning the coordinates of the project.
- 17) Mining lay out plan showing key distances of the mining site from the various features such as river bank, active channels, bundh and other structures in the vicinity, if any, drawn on portion of 'Aks Sajra' of the mining site, so as to ensure that minimum statutory distances are maintained. The route map to be followed should also be marked on the layout plan.
- 18) Submit Corporate Environment Responsibility (CER) Plan as per the OM dated 01.05.2018

- 19) The project proponent is required to get the hydrogeological survey of the existing water level done and to submit the impact on the water level regime due to the project. This report is required to be submitted at the time of submission of the EIA report.
- 20) The project proponent is required to submit a report regarding the preservation of topsoil excavated during the mining process at the time of submission of the EIA report.
- 21) Year-wise production details since 1994 should be given, clearly stating the highest production achieved in any one year prior to 1994. It may also be categorically informed whether there had been any increase in production after the EIA Notification 1994 came into force, w.r.t. the highest production achieved prior to 1994.
- 22) Submit a copy of the document in support of the fact that the Proponent is the rightful lessee of the mine such as letter of Intent (LOI) from the State government /Allotment letter of mining site etc.
- 23) All documents including approved mine plan, EIA and Public Hearing should be compatible with one another in terms of the mine lease area, production levels, waste generation and its management, mining technology etc. and should be in the name of the lessee.
- 24) All corner coordinates of the mine lease area, superimposed on a High-Resolution Imagery/toposheet, topographic sheet, geomorphology and geology of the area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
- 25) Information should be provided in Survey of India Toposheet in 1:50,000 scale indicating geological map of the area, geomorphology of land forms of the area, existing minerals and mining history of the area, important water bodies, streams and rivers and soil characteristics.
- 26) Details about the land proposed for mining activities should be given with information as to whether mining conforms to the land use policy of the State; land diversion for mining should have approval from State land use board or the concerned authority.
- 27) It should be clearly stated whether the proponent Company has a well laid down Environment Policy approved by its Board of Directors? If so, it may be spelt out in the EIA Report with description of the prescribed operating process/procedures to bring into focus any infringement/deviation/violation of the environmental or forest norms/ conditions? The hierarchical system or administrative order of the

Company to deal with the environmental issues and for ensuring compliance with the EC conditions may also be given. The system of reporting of non-compliances / violations of environmental norms to the Board of Directors of the Company and/or shareholders or stakeholders at large, may also be detailed in the proposed safeguard measures in each case should also be provided.

- 28) Issues relating to Mine Safety, including subsidence study in case of underground mining and slope study in case of open cast mining should be detailed. The proposed safeguard measures in each case should also be provided.
- 29) The study area will comprise of 10 km zone around the mine lease from lease periphery and the data contained in the EIA such as waste generation etc. should be for the life of the mine / lease period.
- 30) Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
- 31) Details of the land for any Over Burden Dumps outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be given.
- 32) A Certificate from the Competent Authority in the State Forest Department should be provided, confirming the involvement of forest land, if any, in the project area. In the event of any contrary claim by the Project Proponent regarding the status of forests, the site may be inspected by the State Forest Department along with the Regional Office of the Ministry to ascertain the status of forests, based on which, the Certificate in this regard as mentioned above be issued. In all such cases, it would be desirable for representative of the State Forest Department to assist the Expert Appraisal Committees.
- 33) Status of forestry clearance for the broken-up area and virgin forestland involved in the Project including deposition of net present value (NPV) and compensatory afforestation (CA) should be indicated. A copy of the forestry clearance should also be furnished.
- 34) Implementation status of recognition of forest rights under the Scheduled Tribes and other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 should be indicated.
- 35) The vegetation in the RF / PF areas in the study area, with necessary details, should be given.

- 36) A study shall be got done to ascertain the impact of the Mining Project on wildlife of the study area and details furnished. Impact of the project on the wildlife in the surrounding and any other protected area and accordingly, detailed mitigative measures required, should be worked out with cost implications and submitted.
- 37) Location of National Parks, Sanctuaries, Biosphere Reserves, Wildlife Corridors, Ramsar site Tiger/Elephant Reserves/(existing as well as proposed), if any, within 10 km of the mine lease should be clearly indicated, supported by a location map duly authenticated by Chief Wildlife Warden. Necessary clearance, as may be applicable to such projects due to proximity of the ecologically sensitive areas as mentioned above, should be obtained from the Standing Committee of National Board of Wildlife and copy furnished.
- 38) A detailed biological study of the study area [core zone and buffer zone (10 km radius of the periphery of the mine lease)] shall be carried out. Details of flora and fauna, endangered, endemic and RET Species duly authenticated, separately for core and buffer zone should be furnished based on such primary field survey, clearly indicating the Schedule of the fauna present. In case of any scheduled-I fauna found in the study area, the necessary plan alongwith budgetary provisions for their conservation should be prepared in consultation with State Forest and Wildlife Department and details furnished. Necessary allocation of funds for implementing the same should be made as part of the project cost.
- 39) Proximity to Areas declared as 'Critically Polluted' or the Project areas attracting court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the SPCB or State Mining Dept. Should be secured and furnished to the effect that the proposed mining activities could be considered.
- 40) R&R Plan/compensation details for the Project Affected People (PAP) should be furnished. While preparing the R&R Plan, the relevant State/National Rehabilitation & Resettlement Policy should be kept in view. In respect of SCs /STs and other weaker sections of the society in the study area, a need based sample survey, family-wise, should be undertaken to assess their requirements, and action programmes prepared and submitted accordingly, integrating the sectoral programmes of line departments of the State Government. It may be clearly brought out whether the village(s) located in the mine lease area will be shifted or not. The issues relating to shifting of village(s) including their R&R and socio-economic aspects should be discussed in the Report.
- 41) One season (non-monsoon) [i.e. March - May (Summer Season); October - December (post monsoon season); December - February (winter season)] primary baseline data on ambient air quality as per CPCB Notification of 2009, water quality, noise level, soil and flora and fauna shall be collected and the AAQ and

other data so compiled presented date-wise in the EIA and EMP Report. Site-specific meteorological data should also be collected. The location of the monitoring stations should be such as to represent whole of the study area and justified keeping in view the pre-dominant downwind direction and location of sensitive receptors. There should be at least one monitoring station within 500 m of the mine lease in the pre-dominant downwind direction. The mineralogical composition of PM10, particularly for free silica, should be given.

- 42) Air quality modeling should be carried out for prediction of impact of the project on the air quality of the area. It should also take into account the impact of movement of vehicles for transportation of mineral. The details of the model used and input parameters used for modelling should be provided. The air quality contours may be shown on a location map clearly indicating the location of the site, location of sensitive receptors, if any, and the habitation. The wind roses showing pre-dominant wind direction may also be indicated on the map.
- 43) The water requirement for the Project, its availability, source and zone should be furnished. A detailed water balance should also be provided. Fresh water requirement for the Project should be indicated.
- 44) Necessary clearance from the Competent Authority for drawl of requisite quantity of water for the Project should be provided.
- 45) Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
- 46) Impact of the Project on the water quality, both surface and groundwater, should be assessed and necessary safeguard measures, if any required, should be provided.
- 47) Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided. In case the working will intersect groundwater table, a detailed Hydro Geological Study should be undertaken and Report furnished. The Report inter-alia, shall include details of the aquifers present and impact of mining activities on these aquifers. Necessary permission from Central Ground Water Authority for working below ground water and for pumping of ground water should also be obtained and copy furnished.
- 48) Details of any stream, seasonal or otherwise, passing through the lease area and modification / diversion proposed, if any, and the impact of the same on the hydrology should be.
- 49) Information on site elevation, working depth, groundwater table etc. Should be

- provided both in AMSL and BGL. A schematic diagram may also be provided for the same.
- 50) A time bound Progressive Greenbelt Development Plan shall be prepared in a tabular form (indicating the linear and quantitative coverage, plant species and time frame) and submitted, keeping in mind, the same will have to be executed up front on commencement of the Project. Phase-wise plan of plantation and compensatory afforestation should be charted clearly indicating the area to be covered under plantation and the species to be planted. The details of plantation already done should be given. The plant species selected for green belt should have greater ecological value and should be of good utility value to the local population with emphasis on local and native species and the species which are tolerant to pollution.
 - 51) Impact on local transport infrastructure due to the Project should be indicated. Projected increase in truck traffic as a result of the Project in the present road network (including those outside the Project area) should be worked out, indicating whether it is capable of handling the incremental load. Arrangement for improving the infrastructure, if contemplated (including action to be taken by other agencies such as State Government) should be covered. Project Proponent shall conduct Impact of Transportation study as per Indian Road Congress Guidelines.
 - 52) Details of the onsite shelter and facilities to be provided to the mine workers should be included in the EIA Report.
 - 53) Conceptual post mining land use and Reclamation and Restoration of mined out areas (with plans and with adequate number of sections) should be given in the EIA report.
 - 54) Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
 - 55) Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
 - 56) Measures of socio economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
 - 57) Detailed environmental management plan (EMP) to mitigate the environmental

- impacts which, should inter-alia include the impacts of change of land use, loss of agricultural and grazing land, if any, occupational health impacts besides other impacts specific to the proposed Project.
- 58) Public Hearing points raised and commitment of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project.
 - 59) Submit an undertaking to the effect that no litigation/court case is pending before any court of law against the project and/or on land in which mining is to be carried out else submit the details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
 - 60) The cost of the Project (capital cost and recurring cost) as well as the cost towards implementation of EMP should be clearly spelt out.
 - 61) A Disaster Management Plan shall be prepared and included in the EIA/EMP Report.
 - 62) Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
 - 63) Besides the above, the below mentioned general points are also to be followed:
 - a. The EIA document shall be printed on both sides, as far as possible.
 - b. All documents to be properly referenced with index and continuous page numbering.
 - c. The copy of the letter received from the Ministry / SEIAA shall be also attached as an annexure to the final EIA-EMP Report.
 - d. Where data are presented in the Report especially in Tables, the period in which the data were collected and the sources should be indicated.
 - e. Project Proponent shall enclose all the analysis/testing reports of water, air, soil, noise etc. using the MoEF&CC/NABL accredited laboratories. All the original analysis/testing reports should be available during appraisal of the Project.
 - f. Where the documents provided are in a language other than English, an English translation should be provided.
 - g. The Questionnaire for environmental appraisal of mining projects as devised earlier by the Ministry shall also be filled and submitted.

- h. While preparing the EIA report, the instructions for the Proponents and instructions for the Consultants issued by MoEF vide O.M. No. J- 11013/41/2006-IA.II (I) dated 4th August, 2009, which are available on the website of this Ministry, should be followed.
 - i. Changes, if any made in the basic scope and project parameters (as submitted in Form-I and the PFR for securing the TOR) should be brought to the attention of MoEF&CC with reasons for such changes and permission should be sought, as the TOR may also have to be altered. Post Public Hearing changes in structure and content of the draft EIA/EMP (other than modifications arising out of the P.H. process) will entail conducting the PH again with the revised documentation.
 - j. As per the circular no. J-11011/618/2010-IA. II (I) dated 30.5.2012, certified report of the status of compliance of the conditions stipulated in the environment clearance for the existing operations of the project, should be obtained from the Regional Office of Ministry of Environment, Forest and Climate Change, as may be applicable.
 - k. The EIA report should also include
 - (i) surface plan of the area indicating contours of main topographic features, drainage and mining area,
 - (ii) geological maps and sections and
 - (iii) Sections of the mine pit and external dumps, if any, clearly showing the land features of the adjoining area.
 - l. Submit a copy of presentation in PPT format along with application.
- 64) The 'Terms of Reference' (TORs) prescribed will be valid for a period of three years from its issuance. The final EIA report shall be submitted to the SEIAA, Punjab for obtaining environmental clearance.

Annexure-II

A. Specific conditions:

- (i) The environmental clearance 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 location and Khasra numbers.
- (ii) The project proponent shall demarcate the mining lease area in the presence of revenue authorities and concerned Village Panchayat or their representatives. Mining lease area will be demarcated on the ground with pucca pillars with reference to some permanent bench mark before starting any mining activity at site.
- (iii) 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.
- (iv) The mining activity shall be carried out strictly as per guidelines contained in the Sustainable Sand Mining Management Guidelines 2016 and provisions made in the Enforcement & Monitoring Guidelines for Sand Mining, 2020 issued by MoEF&CC, New Delhi as amended from time to time and guidelines issued by Geological Survey of India.
- (v) The project proponent shall adopt and follow the procedure for monitoring of sand mining as given in the Appendix-xii of Notification No. S.O. 141 (E) dated 15.01.2016 issued by MoEF & CC for **streamlining the process of environmental clearance for mining of minor mineral**.
- (vi) The mining operation will be carried out only from sun-rise to sunset.
- (vii) The project proponent shall obtain Consent to Establish and Consent to Operate from the Punjab Pollution Control Board and effectively implement all the conditions stipulated therein.
- (viii) 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.
- (ix) The mining of minor mineral (sand) shall be carried out only upto a depth of 3.0 m of the demarcated riverbed level or above the groundwater level, whichever is less.
- (x) The mining shall be carried out by the contractor/lessor as per the EMP 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.

- (xi) The Project Proponent and Mining Officer shall ensure that wherever deployment of labour attracts the Mines Act, the provision thereof shall be strictly followed.
- (xii) The project proponent shall undertake plantation/afforestation work by planting the native species in the nearby area adjacent to mine lease.
- (xiii) 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/Punjab Pollution Control Board in this regard.
- (xiv) 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.
- (xv) The periodic monitoring [(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 and the data thus collected may be sent regularly to the Ministry of Environment and Forests and its Regional Office at Chandigarh, the Central Ground Water Authority, the Regional Director, Central Ground Water Board; SEIAA, Punjab and Punjab Pollution Control Board. 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.
- (xvi) 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.
- (xvii) 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 treated waste water will be used for dust suppression activities.
- (xviii) The project proponent shall carry out the rainwater harvesting as proposed in the government building nearest to the mining site in consultation with the Deputy Commissioner. The project proponent shall follow the CGWA guidelines and recharge at least twice the quantity of withdrawal water. In areas where ground water recharge is not feasible, the rainwater should be harvested and stored for reuse.

- (xix) Adequate numbers of tree shall be planted, protected, maintained and established in vacant area in the village near to 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 Punjab Pollution Control Board. It shall be ensured that there is no leakage of oil and grease at the mining site from the vehicles/mining equipment's 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 tippers carrying mined material are not loaded beyond the permissible load as per 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) Mining shall be carried out only by semi-mechanized opencast method with the help of machinery as specified in the mining plan.
- (xxiv) Mineral handling area shall be provided with the adequate number of dust suppression systems. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.
- (xxv) A First Aid Room shall be provided in the project both during construction and operations of the project.
- (xxvi) 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.
- (xxvii) 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 land for plantation.
- (xxviii) The municipal solid waste generated shall be disposed off as per Solid Waste Management Rules, 2016. Segregation of bio-degradable and non-biodegradable wastes shall be done at site and disposed off as per provisions of Solid Waste Management Rules. Dustbins will be provided at site and the workers will be guided to put the domestic waste and plastic carry bags etc. if any, in the dustbin. No littering will be permitted at the site as well as in the vicinity.

- (xxix) The critical parameters such as RSPM (Particulate matter with size less than 10 micron i.e., PM10) and NO in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, 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 Ministry of Environment and Forests, which is available on the website of the Ministry www.envfor.nic.in shall also be referred in this regard for its compliance.
- (xxx) 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 Ministry of Environment and Forests, Chandigarh and SEIAA, Punjab.
- (xxxi) The project proponent shall submit within 3 months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process/ procedure to bring into focus any infringement/deviation/violation of environmental or forest norms/ conditions, (ii) Hierarchical system or Administrative order of the company to deal with environmental issues and ensuring compliance of EC conditions and (iii) System of reporting of non compliance/violation of environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.
- (xxxii) Vehicles hired to be used for transportation of mined material should be in good condition and should conform to applicable air and noise emission standards as provided in the Vehicular Act.
- (xxxiii) Ambient noise levels should conform to prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored.
- (xxxiv) The Risk assessment and disaster management plan should be prepared.
- (xxxv) The project proponent shall submit the site plan showing the earmarked area for storage of mined material.
- (xxxvi) 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 inhabited 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.

- (xxxvii) The project proponent shall ensure the implementation of the post closure mining plan as proposed by the project proponent in the mining plan.
- (xxxviii) The project proponent shall comply with the condition imposed by District Forest Officer (DFO) while granting NOC.
- (xxxix) The mining lease holders shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc.

B. General Conditions:

- (i) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forests & Climate Change.
- (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 Punjab Pollution Control Board.
- (iv) Data on ambient air quality RSPM (Particulate matter with size less than 10micron i.e., PM) & NOx should be regularly submitted to the Ministry of Environment and Forests including its Regional office located at Chandigarh and the Punjab Pollution Control Board / Central Pollution Control Board once in six months and SEIAA, Punjab.
- (v) Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- (vi) Personnel working in dusty areas should wear protective respiratory devices and they should also 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.
- (vii) 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.
- (viii) 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 Ministry of Environment and Forests and its Regional Office located at Chandigarh and SEIAA, Punjab.

- (ix) The project proponent should inform to the Regional Office of the Ministry of Environment & Forests located at Chandigarh and SEIAA, Punjab regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- (x) The Regional Office of Ministry of Environment & Forests located at Chandigarh and Punjab Pollution Control Board 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.
- (xi) The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Chandigarh, the respective Zonal Office of Central Pollution Control Board and the Punjab Pollution Control Board 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 of the Ministry of Environment and Forests, Chandigarh, the respective Zonal Office of Central Pollution Control Board and the Punjab Pollution Control Board and SEIAA, Punjab.
- (xii) 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.
- (xiii) The Punjab Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industries Centre and the Collector's office/ Tehsildar's office.
- (xiv) 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 concerned Punjab Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional Office of the Ministry of Environment and Forests, Chandigarh and SEIAA, Punjab by e-mail.
- (xv) The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the Environment Management Plan and Corporate Social Responsibility.
- (xvi) The project proponent should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality

concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the Punjab Pollution Control Board and also at web site of the Ministry of Environment and Forests at <http://envfor.nic.in> and a copy of the same should be forwarded to the Regional Office of Ministry of Environment & Forests at Chandigarh and SEIAA, Punjab.

- (xvii) The Ministry of Environment, Forests & Climate Change 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.
- (xviii) The SEIAA may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, 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 environmental clearance.
- (xix) 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 Ministry of Environment & Forests/Punjab Pollution Control Board and SEIAA, Punjab.
- (xx) 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.
- (xxi) The project proponent may apply for transfer of environmental clearance under EIA notification dated 14.09.2006 to the other contractor finalized by the Department of Industries & Commerce to SEIAA, Punjab. However, no activity shall be undertaken by the contractor till the environmental clearance is transferred in his name and he is lawfully bound to comply with the conditions of the environmental clearance.
- (xxii) 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.
- (xxiii) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under.