

Proceedings of 262nd meeting of State Expert Appraisal Committee (SEAC) held on 05.10.2023 at 10:30 AM in the Room No. 311 office of DECC, MGSIPA Complex, Sector-26, Chandigarh.

Following were present:

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

Item No. 262.01: Application for Environmental Clearance for carrying out mining of minor minerals sand on the Sutlej River Bed (PO_SN_AR_ST_28_28A) at Village Dhulewal, Tehsil- SBS Nagar, District- SBS Nagar, Punjab by Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resource Department, SBS Nagar. (Proposal No SIA/PB/MIN/444860/2023)

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

The Department has deposited requisite fee of Rs. 9920/- dated 20-09-2023 for obtaining Environmental Clearance for carrying out mining in the above mining site. The adequacy & depositing of the requisite fee by the applicant has been checked & verified by the supporting staff of SEIAA. The Mining Plan was approved by Assistant Geologist, Punjab vide letter No. **Glg/PB/M.P./Dhulewal/2405 dated 14.09.2023**

Deliberations during 262nd meeting of SEAC held on 05.10.2023.

The meeting was attended by the following:

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

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

S. No.	Item	Details
1.	Online Proposal No. and date of submission	SIA/PB/MIN/444860/2023 dated 20-09-2023
2.	Project Name & Location	RBM Sand Mining Project Village: Dhulewal Tehsil & District- SBS Nagar, State Punjab
3	Name of the Applicant, Designation	XEN/DMO SBS Nagar, Drainage-cum-mining and Geology Division, WRD, Punjab

	Mobile no. & Email Id	8427747117 xenminingsbsnagar1@gmail.com			
4	Name of Environmental Consultant, Mobile no. & Email Id	Eco Paryavaran Laboratories & Consultants Pvt. Ltd. 9814003103, 0172461622 md@ecoparyavaran.org			
5	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	1(a) Mining of Minor Minerals			
6	Details of Mining Lease	4.96 Ha.			
i)	Mineral (s) to be mined	Sand			
ii)	Method of mining	Manual (Public Mining Site)			
iii)	Agriculture land or River/choe mining. In case of River/Choe mining, name of the River/Choe to be specified.	River Bed (Sutlej)			
iv)	a. Capacity of Mine as per the EC application/DSR/Mining plan in MT and TPA b. Area of the Mine as per EC application/DSR/Mining plan c. Depth of mining as per EC application/DSR/Mining plan	Description	As per the EC application	As per the approved DSR	As per the Mining Plan
		Mine Capacity in MT	79992 MT	59,764.32 MT	79992 MT
		Mine Capacity in TPA	26664 TPA	-	26664 TPA
		Mining Area On Mining In Ha	4.96 Ha.	5.85 Ha.	5.85 Ha.
		Depth of Mining in m	0.72m (Site No. 28), 1.2m (Site no. 28A)	0.72m (Site No. 28), 1.2m (Site no. 28A)	0.72m (Site No. 28), 1.2m (Site no. 28A)

v)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt., where applicable		Reference No: Memo No. 5598-5602 dt. 05.09.2022 Date of Issue:20-06-2023 Validity of LOI: 3 years Mining Lease Area: 4.96 Mining Quantity: 26664 TPA																		
7	Details of Final District Survey Report		Approved by: - SEIAA Reference No: SEIAA/MS/2023/212 Date of Issue: 02/02/2023 Safe distance from banks (m): 7.5 Annual rate of replenishment as per the study conducted:																		
8	HadBast No.		247, 251																		
9	Land Khasra No. & their consent details																				
	Sr No	Type	Khasra No Consent details provided (Yes/No)																		
	1	Govt Land																			
	2	Private Land	Khasra No. (Site-no.28)- 10//3, 4, 6, 7, 13, 14, (Site-no. 28A)- 6//21, 7//11, 12, 13, 16, 17, 18, 19, 7// 23, 24, 25, 9//4, 5, 10//1, 13//13, 14, 15, 16, 17, 18, 14//19, 20 Yes																		
10	Latitude & Longitude																				
	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="3">SITT-28</th> </tr> <tr> <th>Pillar No.</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>31° 0'30.52"N</td> <td>76°12'57.59"E</td> </tr> <tr> <td>2</td> <td>31° 0'30.57"N</td> <td>76°12'58.36"E</td> </tr> <tr> <td>3</td> <td>31° 0'28.99"N</td> <td>76°13'2.75"E</td> </tr> <tr> <td>4</td> <td>31° 0'27.45"N</td> <td>76°13'3.66"E</td> </tr> </tbody> </table>			SITT-28			Pillar No.	Latitude	Longitude	1	31° 0'30.52"N	76°12'57.59"E	2	31° 0'30.57"N	76°12'58.36"E	3	31° 0'28.99"N	76°13'2.75"E	4	31° 0'27.45"N	76°13'3.66"E
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4	31° 0'27.45"N	76°13'3.66"E																			

		5	31° 0'27.15"N	76°12'59.35"E	
		6	31° 0'27.82"N	76°12'58.40"E	
		7	31° 0'27.86"N	76°12'59.86"E	
		8	31° 0'29.75"N	76°12'59.91"E	
		9	31° 0'29.75"N	76°12'57.60"E	
		SITT-28A			
		1	31° 0'35.74"N	76°12'33.59"E	
		2	31° 0'36.47"N	76°12'35.03"E	
		3	31° 0'37.11"N	76°12'39.92"E	
		4	31° 0'35.69"N	76°12'40.06"E	
		5	31° 0'35.66"N	76°12'41.93"E	
		6	31° 0'37.11"N	76°12'40.67"E	
		7	31° 0'36.91"N	76°12'45.71"E	
		8	31° 0'30.91"N	76°12'54.74"E	
		9	31° 0'29.77"N	76°12'54.78"E	
		10	31° 0'29.69"N	76°12'52.63"E	
		11	31° 0'33.25"N	76°12'45.19"E	
		12	31° 0'33.72"N	76°12'44.20"E	
11	Does the project involve diversion of forest land? If yes, a. Extent of the forest land. b. Status of the forest clearance. If No, submit documentary proof	No			

12	Does the project fall of eco-sensitive area/ National park/Wild Life Sanctuary? If yes, application submitted to NBWL.	No
13	Cost of the project	Rs. 1,11,98,880/-
14	Environmental Clearance. Fee details	Rs. 9,920/- dated 20/09/2023
15	Certificate to be provided by DMO, that the proposal is as per the Annexure-V of DSR.	Attached
16	Demarcation report of mining site	Date of demarcation: 05-06-2023 Nos of Burjis made: 4 Nos Photographs submitted: No
17	Workers (when fully operational)	23 Persons.
18	Water Requirements & source	Domestic: 1.35 KLD (@ 45 lpcd) Dust Suppression: 2.15 KLD Green Belt: 0.4 KLD Total: 3.5 KLD
19	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water: 1.08 KLD (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal: a) Plantation purpose.: 1.08 KLD (Recycled) b) Any other purpose: ____KLD
20	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting (if any): Nil No of plant to be planted: 248 Nos Funds Allocated: Rs 2,48,000. (Rs 1000/- per tree as capital cost and Rs 1000/- per tree as maintenance cost)
21	Whether any High Transmission wires is passing over the proposed mining site (yes/No)	No
22	Environment Management Plan along with Budgetary breakup and responsibility to implement	XEN/DMO SBS Nagar, Drainage-cum-mining and Geology Division, WRD, Punjab will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.

23	Sr. No	Environment mitigation measure	Capital Cost (In Lacs)	Recurring Cost (Lacs/annum)
	1	Water Sprinkling Measures to be done on haul road to suppress dust & Haul Road and other Roads Repair and maintenance	1,90,000	50,000
	2	Plantation and maintenance of 171 saplings through State Forest Department under Green Punjab Mission: Plantation cost 4.96 Ha x 50 saplings/Ha= 248 saplings @Rs.1000 per sapling.	2,48,000	0
	3	Drinking water facility, Septic Tank & Mobile toilets and solid waste management	65,000	10,000
	4	Safety equipment's such as gloves, mask, helmet, First aid kit etc.	19,000	7,000
	5	Additional Environmental activities (Rs. 0.5 per MT of Total quantity 79992*0.5)	39,996	-
	6	Regular health check-up camps for the workers engaged in mines shall be organized.	10,000	10,000
	7	Environmental Monitoring (Air, Water Soil etc.).	1,00,000	50,000
	Total		6,71,996	1,27,000
24	Additional Environmental Activities (AEA) activities along with budgetary break up and responsibility Sh. XEN/DMO SBS Nagar, Drainage-cum-mining and Geology Division, WRD, Punjab (Project Proponent) of Sand Mining Project located in Village- Dhulewal, District- SBS Nagar, Punjab will be responsible for implementation of Additional Environmental Activities (AEA). As the project having minable Quantity 79992 MT, The project			

	<p>proponent has proposed to spent Rs 39,996 (i.e @ Rs 0.50 per Ton) for AEA activities. It was proposed to spent the said amount on the followings: -</p> <p>i) The project proponent shall deposit Rs 39,996 for Green Area development in the Greening Punjab Mission revenue head of the state treasury through the DFO prior to commencement of mining operations and thereafter 1 year after grant of EC as specified at S No. 3 of Table 1 in the following Budget Head:</p> <p>Table-1</p> <table border="1" data-bbox="488 562 1425 835"> <tr> <td>Demand No.</td> <td>32- Forestry and Wildlife</td> </tr> <tr> <td>Major Head</td> <td>0406 – Forestry and Wildlife</td> </tr> <tr> <td>Sub-Major Head</td> <td>01 – Forestry</td> </tr> <tr> <td>Minor Head</td> <td>102- Receipts from Social and Farm Forestry</td> </tr> <tr> <td>Sub-Head</td> <td>03 – Green Punjab Mission</td> </tr> <tr> <td>Detailed Head</td> <td>01- Green Punjab Mission Fees</td> </tr> </table>	Demand No.	32- Forestry and Wildlife	Major Head	0406 – Forestry and Wildlife	Sub-Major Head	01 – Forestry	Minor Head	102- Receipts from Social and Farm Forestry	Sub-Head	03 – Green Punjab Mission	Detailed Head	01- Green Punjab Mission Fees
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Minor Head	102- Receipts from Social and Farm Forestry												
Sub-Head	03 – Green Punjab Mission												
Detailed Head	01- Green Punjab Mission Fees												
25	<p>Other facts/ declarations made by Project Proponent:</p> <p>i) No court case/litigation is pending before any court of Law against the project and/or land in which the project is proposed to be set up.</p> <p>ii) During the lease period, the deposit will be worked from the top surface to 3 m or 2.5 m below ground level or above ground water table, whichever comes first.</p> <p>iii) No Stream Mining shall be allowed. The operation will be done only from sun rise to sun set hence there will be no power requirement for the project at site.</p> <p>iv) All the activities will be carried out manually using hand tools like shovel, pan, sieve etc.</p> <p>v) In case of semi mechanized method allowed, Justification for the same must be given indicating its benefits over the manual method.</p> <p>vi) An undertaking declaring that Mandhala, Mahadipur Kalan (PO_SN_NS_ST_30_31_33_32) mining site lies within 500m of proposed mining site and that there is a cluster formation, has been submitted by the Project Proponent.</p>												

The Committee observed that the proposed mining site falls in cluster of an area 20.72 Ha as per the approved DSR. However, the Project Proponent has submitted application under category B2. The Committee asked the Project Proponent to submit the revised proposal by taking into consideration the cluster formation as per approved DSR. The Project Proponent agreed to the same.

The Committee further observed that proposed mining quantity as per application proposal (i.e., 79992 MT) exceeds the permissible minable quantity (i.e., 59764.32 MT) as per approved DSR of the concerned district. The Project Proponent was asked to check the same.

After detailed deliberations, SEAC decided to defer the case till the Project Proponent submits the revised proposal by taking into consideration the cluster formation as per approved DSR of District SBS Nagar.

Item No. 262.02: Application for Environmental Clearance for carrying out mining of minor minerals sand at Village ADB Bela Tajawal, Tehsil- Balachaur , District- SBS Nagar, Punjab by Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resource Department, SBS Nagar. (Proposal No SIA/PB/MIN/445028/2023)

The Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resource Department, SBS Nagar division has applied for obtaining Environmental Clearance under category B2 and 1(a) of the schedule appended with the EIA Notification dated 14.09.2006 for carrying out mining of minor minerals at the mining site of Village ADB Bela Tajawal, Tehsil-Balachaur, District- SBS Nagar, Punjab.

The Department has deposited requisite fee of Rs. 1980/- dated 20-09-2023 for obtaining Environmental Clearance for carrying out mining in the above mining site. The adequacy & depositing of the requisite fee by the applicant has been checked & verified by the supporting staff of SEIAA. The Mining Plan was approved by Assistant Geologist, Punjab vide letter No. **Glg/PB/M.P./ADB Bela Tajawal/2402 dated 14.09.2023**

Deliberations during 262nd meeting of SEAC held on 05.10.2023.

The meeting was attended by the following:

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

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

S.No.	Item	Details
1.	Online Proposal No. and date of submission	SIA/PB/MIN/445028/2023
2.	Project Name & Location	RBM Sand Mining Project (0.99 Ha) Village: ADB Bela Tajawal Tehsil- Balachaur District- SBS Nagar, State Punjab

3	Name of the Applicant, Designation Mobile no. & Email Id	Executive Engineer/SBS Nagar Drainage cum-Mining and Geology WRD Canal Colony Kapurthala Road, Jalandhar 8950065264 happy.kumar65@punjab.gov.in			
4	Name of Environmental Consultant, Mobile no. & Email Id	Eco Paryavaran Laboratories & Consultants Pvt. Ltd. (formerly Eco Laboratories & Consultants Pvt. Ltd.) 8872043178 md@ecoparyavaran.org			
5	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	1(a) Mining of Minor Minerals			
6	Details of Mining Lease				
vi)	Mineral (s) to be mined	1) Sand			
vii)	Method of mining	Manual			
viii)	Agriculture land or River/choe mining. In case of River/Choe mining, name of the River/Choe to be specified.	Riverbed (PO_SN_BL_ST_5), (Public Mining Site)			
ix)	d. Capacity of Mine as per the EC application/DSR/Mining plan in MT and TPA	Description	As per the EC application	As per the approved DSR	As per the Mining Plan
		Mine Capacity in MT	29403	33415.20	29403
	e. Area of the Mine as per EC application/DSR/Mining plan	Mine Capacity in TPA	9801	---	9801
		Mining Area on mining in HA	0.99	1.19	0.99
	f. Depth of mining as per EC application/DSR/Mining plan	Depth of Mining in m	3m	3m	3m
		Note: EC cannot be appraised more than quantity and area mentioned in the approved DSR			

x)	Details Letter of Intent (LOI)/E-Auction issued by the State Govt., where applicable		Validity of LOI: 3 YEARS Mining Lease Area: 0.99 Ha Mining Quantity: 9801 TPA	
7	Details of Final District Survey Report		Approved by: - SEIAA Reference No: SEIAA/MS/2023/212 Date of Issue: 02/02/2023 Safe distance from banks (m): Annual rate of replenishment as per the study conducted:	
8	HadBast No.		421	
9	Land Khasra No. & their consent details			
	Sr No	Type	Khasra No	Consent details provided (Yes/No)
	1	Govt Land		
	2	Private Land	48//1, 2, 10, 49//3/2, 4, 6, 7, 8, 9, 10.	Yes
10	Latitude & Longitude			
	Pillar No.	Latitude	Longitude	
	1	30°58'22.48"N	76°25'5.85"E	
	2	30°58'24.30"N	76°25'14.92"E	
	3	30°58'23.40"N	76°25'14.99"E	
	4	30°58'23.52"N	76°25'17.16"E	
	5	30°58'24.75"N	76°25'17.24"E	
	6	30°58'25.27"N	76°25'19.77"E	
	7	30°58'23.05"N	76°25'18.78"E	
11	Does the project involve diversion of forest land? If yes, a. Extent of the forest land.		NO	

	b. Status of the forest clearance. If No, submit documentary proof	
12	Does the project fall of eco-sensitive area/ National Park/Wild Life Sanctuary? If yes, application submitted to NBWL.	NO
13	Cost of the project	Rs. 41,16,420
14	Environmental Clearance. Fee details	Rs 1980/-
15	Certificate to be provided by DMO, that the proposal is as per the annexure-V of DSR.	Certificate No: Attached Date : 20/09/2023
16	Demarcation report of mining site	Date of demarcation: 9/12/2022 Photographs submitted: Yes Pillars will be erected before mining activity starts
17	Workers (when fully operational)	06 Persons.
18	Water Requirements & source	Domestic: 0.5 KLD (@ 45 lpcd) Dust Suppression: 3.00 KLD Total: 3.50 KLD Ground water/Others: 01 Borwell
19	Waste water generation, Treatment & its Disposal	i) Quantity of Waste water : 0.40 KLD (80% of water requirement) ii) Treatment Method: Septic Tank iii) Mode of Disposal : a) Plantation purpose.: 0.40 KLD
20	Green Belt Development Plan including no. of trees to be planted & its species.	Tree cutting (if any) : 0 Nos No of plant to be planted: 48 Nos Funds Allocated: Rs 48,000 towards capital cost and Rs 48,000 towards recurring cost. (Rs 1000/- per tree as capital cost and Rs 1000/- per tree as maintenance cost)
21	Whether any High Transmission wires is passing over the proposed mining site (yes/No)	NO

22	Environment Management Plan along with Budgetary breakup and responsibility to implement	Sh.XEN/DMO SBS Nagar will be responsible for the implementation of EMP till the mining activities closed as per the mining plan.		
23				
	Sr. No	Environment mitigation measure	Capital Cost (In Lacs)	Recurring Cost (Lacs/annum)
	1	Water Sprinkling Measures to be done on haul road to suppress dust & Haul Road and other Roads Repair and maintenance	1,00,000	50,000
	2	Plantation and maintenance of 171 saplings through State Forest Department under Green Punjab Mission: Plantation cost 0.99 Ha x 50 saplings/Ha= 48 saplings @Rs.1000 per sapling.	48,000	0
	3	Drinking water facility, Septic Tank & Mobile toilets and solid waste management	65,000	10,000
	4	Safety equipment's such as gloves, mask, helmet, First aid kit etc.	19,000	7,000
	5	Additional Environmental activities (Rs. 0.5 per MT of Total quantity 29,403 *0.5)	14,700	-
	6	Regular health check-up camps for the workers engaged in mines shall be organized.	10,000	10,000
	7	Environmental Monitoring (Air, Water Soil etc.).	50,000	50,000
	Total		3,06,700	1,27,000

24	<p>Additional Environmental Activities (AEA) activities along with budgetary break up and responsibility</p> <p>Sh. XEN/DMO SBS Nagar will be responsible for implementation of Additional Environmental Activities (AEA). As the project having minable Quantity 29,403 MT, The project proponent has proposed to spent Rs. 14,700 (i.e @ Rs 0.50 per Ton) for AEA activities. It was proposed to spent the said amount on the followings: -</p> <ul style="list-style-type: none"> ii) The project proponent shall deposit Rs. 14,700 for Green Area development in the Greening Punjab Mission revenue head of the state treasury through the DFO prior to commencement of mining operations and thereafter 1 year after grant of EC
25	<p>Other facts: -</p> <ul style="list-style-type: none"> i) That, there is no forest area is involved in the project. ii) Mining site does not fall under eco-sensitive zones of wildlife Sanctuary and conservation reserves. iii) That, no litigation is pending against the project. iv) During the lease period, the deposit will be worked from the top surface to 3 m or 2.80 m below ground level or above ground water table, whichever comes first. v) No Stream Mining shall be allowed. The operation will be done only from sun rise to sunset hence there will be no power requirement for the project at site.

The Project Proponent presented the KML file by superimposing the proposed site as per the application proposal and as per approved DSR, and it was observed that the proposed area of mining site measuring 0.99 Ha falls within the area of mining site measuring 1.19 Ha approved in the DSR. The Committee noted the same.

The project proponent submitted the demarcation photographs and an undertaking certifying that the land bearing Khasra No. of the mining area is as per the proposal, NOCs/consent has been duly received from the concerned land owners, demarcated on site and are in consonance with the latest revenue record of the Village. The Committee perused the same and found the documents in order.

After detailed deliberations, SEAC decided to forward the application proposal to SEIAA with the recommendation to grant Environment Clearance under EIA Notification dated 14.09.2006 for carrying out mining of minor minerals (sand) in the area of 0.99 Ha for the quantity of 29403 MT, which shall not exceed the quantity of 33415 MT as per the approved DSR at Village ADB Bela Tajawal, District SBS Nagar, Punjab, subject to the conditions as under:

Specific conditions:

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

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

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

on a display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA. II(M) dated 27.05.2009 issued by MoEF&CC, which is available at www.envfor.nic.in shall also be referred in this regard for its compliance.

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

General Conditions:

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

meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the PPCB.

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

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

Additional Conditions:

- (i) The quantities of minor minerals already extracted (if any) in the 3-month window provided for commencing mining operations pending the grant of ECs shall be accounted for and included in the total quantity extracted vis-à-vis quantities permitted in the ECs.

Item No.262.03: Application for Environmental Clearance under EIA notification dated 14.09.2006 for area development project namely “Amoha Leaf” by M/s Aggarwal Builder & promoters at Bathinda, Tehsil & District-Bathinda, Punjab (Proposal No. SIA/PB/INFRA2/443298/2023).

The project proponent has submitted application for obtaining Environmental Clearance under EIA notification dated 14.09.2023 for establishment of area development project namely “Amoha Leaf” located at Bathinda, Tehsil & District-Bathinda, Punjab. The total land area of project is 457881 sq.m. having built up area is 592761 sq.m.

The Project Proponent proposes to develop 1077 residential plots, 209 commercial plots and develop EWS plots in an area of 5.65 acres. The total built up area of project is 592761 sq.m. The project is covered under category 8(b) of the schedule appended with EIA notification dated 14.09.2006. The Project Proponent has deposited Rs 592761/- vide UTR no. YESBR5203042697388561 dated 26.04.2023

Punjab Pollution Control Board vide letter no. 2903 dated 22.09.2023 furnished construction status report, the salient features of the same are reproduced as under:

“The project site was visited by AEE of Regional Office, Bathinda of the Board on 16.09.2023 and it was observed that:

- 1. The project proponent has secured the land and has started the construction of boundary wall at site. The Boundary wall construction was underway during visit along the periphery of the proposed site of the project. **No other construction activity was on going at site.***
- 2. There is no MAH unit within 500m of the site. There is no air polluting industry within 100m of the site and the site is majorly surrounded by agricultural fields. There is a marriage palace M/s Vivaan Resort adj. to the site and a vehicle washing & service station opposite to the site across the road. There is an eco-sensitive zone i.e. Bir Talab having a mini zoo and deer safari at approx. 2 Kms from the site of the project. There are 2 No. previously established structures (one farm house and one No. godown which are existing in the land of the project, the Project Proponent informed that the farm house will be dismantled and godown will be converted to the temporary office/equipment or material storage area. The site is suitable for its establishment.*
- 3. The Project Proponent has obtained license to develop a colony from MC Bathinda vide No. 11/2023 dated 06.09.2023 under PAPRA Act, 1995 for the developing a residential colony namely Amoha Leaf in an area of 114.22 acres.”*

Deliberations during 262nd meeting of SEAC held on 05.10.2023.

The meeting was attended by the following:

- (i) Mr. Puneet, Partner M/s Aggarwal Builder & Promoter
- (ii) Mr. Deepak Gupta, Environmental Advisor on behalf of Project Proponent.

(iii) Sh. Sital Singh, Environmental Consultant M/s CPTL

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

S	Description	Details	
1	Basic Details		
1.1	Name of Project & Project Proponent:	Residential Project namely "Amoha Leaf" developed by M/s Aggarwal Builder & Promoters.	
1.2	Proposal:	SIA/PB/INFRA2/443298/2023	
1.3	Location of Project:	Bathinda, Tehsil & District-Bathinda, Punjab	
1.4	Details of Land area:		
	S. NO.	DESCRIPTION	
		TOTAL AREA IN SQM	
	A	TOTAL SITE AREA	462245.54
	B	AREA LEFT FOR ROAD WIDENING	1513.70
	C	RESERVED AREA FOR FUTURE PLANNING	2850.21
	D	SITE AREA	457881.63
	E	AREA LEFT FOR EWS	22895.22
	F	NET SITE AREA (BALANCE AREA)	434986.41
	H	COMMUNITY CENTER AREA	7695.76
	I	COMM. SALEABLE AREA	15569.53
	J	RESI. SALEABLE AREA	211062.45
	K	TOTAL SALEABLE AREA	226631.97
	L	TOILET BLOCK	266.03
	1	TOILET BLOCK - A	133.60
	2	TOILET BLOCK - B	107.58
	2	TOILET BLOCK - C	24.85
	M	W.W. $[(129.33+136.00)/2 \times (18.50+34.50)/2]$	326.61

N	S.T.P.	421.22
O	S.W.M. (72.87+84.38)/2 X (45.00+45.92)/2	332.06
P	E.G.S. (1914.57+1555.72)	322.40
Q	TEMPLE	1001.31
R	GURUDWARA SAHIB	809.78
S	RAMP AREA (26'-0" X 6'-0") X 17 NOS.	217.39
T	PLAYGROUND AREA	5972.12
U	DISPENSARY AREA	2025.50
V	PARKING AREA	17846.67
W	AREA UNDER PAVEMENT AND ROADS	148849.74
X	TOTAL AREA	434986.41

The details are as per the layout plan approved from Municipal Town Planner, Bathinda

1.5	Category under EIA notification dated 14.09.2006	8(b)
1.6	Cost of the project	Rs. 56 Crores
2.	Site Suitability Characteristics	
2.1	Whether project is suitable as per the provisions of Master Plan:	The site falls in residential zone as per master plan of Bathinda
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	Approved layout Plan submitted.
3	Forest, Wildlife and Green Area	
3.1	Whether the project required clearance under the provisions of Forest Conservations Act 1980 or not:	Forest NOC has been submitted. Permission for forest NOC issued by Department Forest officer, vide no. 824 and dated 09.05.2023.
3.2	Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA), 1900.	No, an undertaking in the prescribed format has been submitted
3.3	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	No, an undertaking in the prescribed format has been submitted.

3.4	Whether the project falls within the influence of Eco-Sensitive Zone or not.	No, an undertaking in the prescribed format has been submitted.																						
3.6	Green area requirement and proposed No. of trees:	Total proposed green area = 22268 sq.m. Total no. of trees to be planted – 5779																						
4.	Configuration & Population																							
4.1	Configuration As per the column (1.4)																							
4.2	Population details <ul style="list-style-type: none"> Total Population = 19115 persons <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">S. No.</th> <th style="width: 30%;">DESCRIPTION</th> <th style="width: 40%;">NO. OF UNITS</th> <th style="width: 20%;">POPULATION NO.</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Residential Flats</td> <td>Plots 1077 @ 15 persons/plot=16155 persons</td> <td>16155</td> </tr> <tr> <td>2</td> <td>Commercial Plots</td> <td>Plots 209 @ 2 persons/shop =418 persons</td> <td>418</td> </tr> <tr> <td>3</td> <td>EWS</td> <td>EWS 5.65 acres @450 person / acres</td> <td>2543</td> </tr> <tr> <td colspan="3">TOTAL POPULATION</td> <td>19115</td> </tr> </tbody> </table>				S. No.	DESCRIPTION	NO. OF UNITS	POPULATION NO.	1	Residential Flats	Plots 1077 @ 15 persons/plot=16155 persons	16155	2	Commercial Plots	Plots 209 @ 2 persons/shop =418 persons	418	3	EWS	EWS 5.65 acres @450 person / acres	2543	TOTAL POPULATION			19115
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TOTAL POPULATION			19115																					
5	Water																							
5.1	Source:	Borewell																						
5.2	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>	Not submitted																						
5.3	Total water requirement: 2543KLD Fresh water requirement:- 1694KLD																							
	S.no	Activity	Persons	KLD																				
	1	Plots 1077 @ 15 persons/plot	16155 @ 135 ltr/person/day	2181																				
	2	Plots for commercial 209@ 2 persons/shop =418 persons	418 @ 45 ltr/person/day	19																				
	3	EWS 5.65 Acres= 2542 persons	2542 @135 person / acres	343																				
	4	Domestic water required		2543																				

		Flushing for residential Flushing for commercial Green area	18697@45 ltr/person/day 418@20 lpcd	841 8 122		
5.4	Utilization/Disposal of excess treated wastewater.		Sewer NOC has been not submitted.			
5.5	Cumulative Details:					
	Total water Requirement KLD	Total wastewater generated KLD	Treated wastewater KLD	Flushing water requirement KLD	Green area(22268 sq.m) requirement KLD	Into sewer KLD
	2543	2034	2034	849	Summer-122 KLD Winter-40 KLD Monsoon-11 KLD	Summer-1063KLD Winter-1145 KLD Monsoon-1174 KLD
5.6	Rain water harvesting proposal:		114 Rain water recharging pits have been proposed for artificial rain water recharging within the project premises.			
6	Air					
6.1	Details of Air Polluting machinery:		DG Sets 2x240, 2X125 KVA			
6.2	Measures to be adopted to contain particulate emission/Air Pollution		DG sets will be equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion.			
7	Waste Management					
7.1	Total quantity of solid waste generation		Total solid waste generation = 7563 kg/day			
7.2	Whether Solid Waste Management layout plan by earmarking the location as well as area designated for installation of Mechanical Composter and Material Recovery Facility submitted or not		Solid Waste Management has not been earmarked in the approved layout plan.			
7.3	Details of management of Hazardous Waste.		Hazardous Waste in the form of used oil from DG sets will be generated which will be managed & disposed of to authorized vendors as per the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and its amendments.			
8	Energy Saving & EMP					

8.1	Power Consumption:	Total Power load =8MW			
8.2	Details of activities under Environment Management Plan. Construction Phase				
	Sr. NO.	PARTICULARS	APPROX.CAPITAL COST (Rs LAC)	APPROX. RECURRING COST (Rs LAC)	ITEMS COVERED
1.	Medical Cum First Aid	1.0	1.5	First aid medical facility with first aid kit	
2.	Toilets for workers	3.0	0.5	Toilets with septic tank	
3.	Wind breaking curtains	4.0	3.0	Wind breaking walls at vulnerable areas	
4.	Sprinklers for suppression of dust and smoke gun	10.0	4.0	Sprinklers, Pipeline	
5.	Sewage Treatment Plant	200.00	---	Construction of STP up to tertiary level	
6.	Solid waste Management	50.0	--	Making arrangement for solid waste segregation & disposal	

7.	Green belt development	70.0	--	Land scaping & tree plantation
8.	Rain water harvesting	20.0	--	Construction rain water harvesting well & channel
Total Cost		358.00	9.00	

Operation Phase

SR. NO.	PARTICULARS	RECURRING COST (Rs. LAC)	ITEMS COVERED
1.	Sewage Treatment Plant	8.0	Operation & maintenance of sewage treatment plant including salary of operators
2.	Solid Waste segregation & disposal	15.0	Colored Bins at appropriate Locations
3.	Green Belt including Lawn's coverage	70.0	Development of green belt, watering & manuring
4	RWH	5.0	Cleaning of channels & harvesting pits
TOTAL		Rs 98.0	

During meeting, the Committee observed that the Project Proponent proposed to utilize excess treated wastewater in the land area adjoining to the project to be developed as per Karnal

Technology. The Committee observed that the ownership of the adjoining land to be developed as per Karnal Technology doesn't have on the name of the Project Proponent. The Committee asked the Project Proponent to submit an alternative scheme for the utilization of the excess treated wastewater generated from the project. The Project Proponent agreed to the same.

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

1. The Project proponent shall submit the alternative scheme within the project for the utilization of excess treated waste water till the project sewer is connected with the main sewer of MC, Bathinda.
2. The Project Proponent shall submit letter from MC Bathinda regarding their planning for laying down sewerage system & storm line near to the project site.
3. The capital cost for installation of STP in EMP seems to be on lower side. The Project Proponent shall check the same.
4. The Project Proponent shall submit the detailed scheme for Solid Waste Management being generated from the project and earmark dedicated space of SWM on the layout plan.
5. The Project Proponent shall submit the details of Additional Environmental Activities.