

**Item No. 250.06: Application for Environmental Clearance for carrying out mining of minor minerals (sand) at Jaloke Sand Mine Cluster 01 [Cluster: Jaloke and Jaloke-2, Village: Jaloke, Tehsil- Patti, District- Tarn Taran, Punjab by Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, Tarn Taran Division. (Proposal No. SIA/PB/MIN/423699/2023).**

The Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, Tarn Tarn Division has applied for obtaining Environmental Clearance under category B2 and 1(a) of the Schedule appended with the EIA notification dated 14.09.2006 for carrying out mining of minor minerals (sand) at the mining site of Jaloke Sand Mine Cluster 01 [Cluster: Jaloke and Jaloke-2], Village: Jaloke, Tehsil- Patti, District- Tarn Taran, Punjab.

The Department has deposited requisite fee of Rs. 9560/-vide reference no. N084232386309467 dated 28.03.2023 for obtaining Environmental Clearance for carrying out mining in the above mining site. The adequacy & deposition of the requisite fee by the applicant has been checked & verified by the supporting staff of SEIAA. The Mining Plans were approved by Assistant Geologist, Punjab vide Letter No. Glg/Pb/M.P/Jaloke/366 dated 05.02.2023 for 3.41 ha and vide Letter No. Glg/Pb/M.P/Jaloke-2/493 dated 17.02.2023 for 1.37 ha.

**Deliberations during 250<sup>th</sup> meeting of SEAC held on 20.06.2023.**

The meeting was attended by the following:

- (i) Mr. Karanbir Singh Bains, District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, District Tarn Tarn.
- (ii) Sh. Gurwinder Sharma, JEE, Tarn Taran.
- (iii) Dr. KL Satapaty, CEO, M/s GRC India Pvt Ltd.

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

i)	Name of Applicant & Correspondence address:  Mobile No: Email ID:	Mr Vishal Mehta, DMO Tarn Taran Office of Executive Engineer/ Tarn-Taran Drainage-Cum-Mining & Geology Division, Tarn-Taran. Canal Complex, Near Railway Station. Amritsar,143001  8427587930 xenbaridoab@gmail.com
ii)	Name of Environmental Consultant  Mobile No.  Email ID	Grass Roots Research and Creation (P) Ltd.  0120-4044630  info@grc-india.com

iii)	Online Proposal No.	<b>SIA/PB/MIN/423699/2023</b>
iv)	Project Name & Location	Jaloke Sand Mine Cluster 01 [Cluster: Jaloke and Jaloke-2]  Village: Jaloke Tehsil- Patti District- Tarn Taran,Punjab
v)	Project/activity covered under item of scheduled to the EIA Notification,14.09.2006	1(a) Mining of Minor Minerals

**1.0 The details of the mining project are as under:**

S.No.	Item	Details		
i.	Category of the Project as per the EIA notification dated 14.09.2006	B2		
ii.	Hadbast No. of the Village	<b>344</b>		
iii.	Details of Khasra No. as under:			
	<b>Khasra No. as per proposal</b>	<b>Khasra No. as per DSR</b>	<b>Khasra No. as per consent of land</b>	<b>Name of owner of the land as per land NOC, DSR and Jamabandi</b>
	46/3, 4,5,6,7,8,13,14, 40/24, 25 and khasra no- 46/18, 17, 23, 24 for Jaloke 2	Not Mentioned in the DSR	46/3, 4,5,6,7,8,13,14, <b>40/24, 25</b> and khasra no- 46/18, 17, 23, 24 for Jaloke 2  <b>This khasra no. 40/24, 25 not found in the consent of land as well as land Jamabandi.</b>	Sohan Singh, Randhir Kaur Mandeep Singh Dilbagh Singh <b>Ninder Singh</b> Joginder Singh Hardev Singh Racchpal Singh <b>Gurdiyal Singh</b> Bohar Singh Gursewak Singh Kuldip Singh Balbir Singh Kawaljit Singh Jarmal Singh Sukhraj Singh Surjit Kaur
iv.	Whether the mining area is less than area mentioned in the DSR, (If yes) the proposed mining area shall be	No		

	earmarked in the KML file with different color.	
v.	<ul style="list-style-type: none"> <li>i. Area &amp; Quantity details as per Mining plan and proposal</li> <li>ii. Area and permissible quantity details as per DSR</li> </ul>	<ul style="list-style-type: none"> <li>i. Area as per proposal – 4.78 Ha. (3.41 Ha. for Jaloke and 1.37 Ha. for Jaloke-2) Quantity as per Approved Mine Plan - 66547 TPA (48633 TPA for Jaloke and 17914 TPA for Jaloke 2)</li> <li>ii. Area as per DSR – 58.9 Ha. (21.4 Ha for Jaloke and 37.5 ha for Jaloke 2) (Serial No. 4 and as per DSR) Quantity as per Approved DSR – 1019588 TPA(370444.84 TPA for Jaloke and 649143.99 TPA for Jaloke 2)</li> </ul>
vi.	Details as per Mining plan	<p>Approved by: Assistant Geologist, Punjab bearing Letter no Glg/Pb/M.P/Jaloke/366. Date of Approval: 05.02.2023 for Jaloke</p> <p>Approved by: Assistant Geologist, Punjab bearing Letter no Glg/Pb/M.P/Jaloke-2/493. Date of Approval: 17.02.2023 for Jaloke 2</p> <p>Approved Mining Lease Area: 4.78 Ha. Approved Mining Quantity: 66547 TPA Depth of Mining (m): 1 m</p>

vii.	Longitude & Latitude of the mining site	
	<b>Jaloke</b>	
	<b>Pillar No.</b>	<b>Latitude</b>
	A.	31° 7'56.75"N
	B.	31° 7'57.42"N
	C.	31° 7'58.99"N
	D.	31° 7'58.87"N
	E.	31° 7'55.05"N
	F.	31° 7'51.52"N
	G.	31° 7'52.21"N
	<b>Jaloke-2</b>	
	<b>Pillar No.</b>	<b>Latitude</b>
	1.	31° 7'49.59"N
	2.	31° 7'50.99"N
	3.	31° 7'47.17"N
	4.	31° 7'47.16"N
viii.	Details of cluster formation	No cluster is formed, cluster letter is submitted
ix.	Affidavit from the land owner giving consent for carrying out mining. (In case of Pvt land)	Land NOC submitted
x.	Whether demarcation/erection of boundary pillars on the site has been done.	Demarcation done on 03-02-2023. Copy of demarcation report submitted
xi.	Status of clearance under Forest Conservation Act, 1980, Wildlife Protection Act 1972 as the case may be	Submitted online as <b>Annexure-8(a) and 8(b)</b> . Undertaking submitted by the Project Proponent to the effect that no forest area involved in the project.

xii.	Salient features of approved mining plans	Date of approval- 05-02-2023 for Jaloke and 17-02-23 for Jaloke 2.  Total Quantity-145899 Tonnes for Jaloke and 53742 Tonnes for Jaloke 2
xiii.	Method of mining	Semi-mechanized
xiv.	No. of workers on the site when fully operational	18 People for Jaloke and 14 for Jaloke 2
xv.	Total water requirement for domestic and other usage and its source	<b>For Jaloke:</b> Domestic: 0.20 KLD Dust Suppression: 0.20 KLD Plantation: 1.71 KLD Total: 2.11 KLD <b>For Jaloke 2:</b> Domestic: 0.15 KLD Dust Suppression: 0.20 KLD Plantation: 0.69 KLD Total: 1.04 KLD
xvi.	Waste water generation and its disposal	Nil
xvii.	Information regarding nos of truck/trolleys per day for carrying the excavated material on the proforma prescribed in the DSR and map showing the transportation route with proper earmarking of katcha, pakka road and ROW.	23 Trucks per day Transportation route map submitted
viii.	Activities to be undertaken under EMP along with its cost.	
	<b>S. No.</b>	<b>Description</b>
		<b>Total Cost to be Incurred (in Rs)</b>
	1	Water Sprinkling Measures
	2	Haul Road and other Roads Repair
3	Greenbelt Development(with tree guards)	
	<b>TOTAL</b>	10,90,000

xix.	Whether any Litigation is pending against the proposed mining site, if yes the details, thereof, be provided.	No litigation is pending against the proposed mining site
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i)	The Department shall provide details pertaining to No. of trees, if any, to be felled for carrying out mining activity.	No trees would be felled during mining activity
ii)	The Department shall earmark, on the KML file, the distance from the habitation area from sand mining site. The Department shall certify that the same is in consonance with the existing guidelines allowing the Department for carrying out the mining near the habitation area.	Distance from nearest habitation is 1.25Km.
ii)	The Department shall earmark, on the KML file, the distance from the minor/major bridges up to the nearest boundary of sand mining site.	Distance from Major Bridge 1.0 Km towards West
iv)	In case, the proposed mining site does not include in a cluster, the Department shall earmark on the KML file, the distance from the nearest mining site.	It is a cluster site. A certificate in this regard submitted
v)	The Department shall outline the environmental impact of the	<b>Air-</b> The major contribution of air pollution is by excavation, loading, transportation, hauling

	<p>mining operations carried out at site. The Department shall also mention the mitigation measures proposed for mitigating the environmental impacts</p>	<p>operation &amp; handling of the mineral. This will lead to momentary rise in the particulate matter (PM10). As such there will be no noticeable impact on air quality.</p> <p><b>Water-</b> Proposal for mining are given during dry months, therefore water quality will not deteriorate.</p> <p><b>Noise-</b> Mining is of open cast semi mechanized with deployment of light excavator. Therefore, noise level too will not show any significant increase.</p>
vi)	<p>The Department/Project Proponent shall include in the EMP, the additional environmental activities to be undertaken by incurring expenditure @ Rs. 0.50/ton of the total quantity permitted for mining in ECs in case of manual mining and @ Rs. 1.50/ton in case of semi-mechanized mining. Any of the following additional environmental activities may be undertaken as a part of EMP:</p>	<p><b>Nil</b></p>

**KML**



During meeting, the Committee observed that the khasra No. 40/24,25 mentioned in the application proposal are not mentioned in the land NOC submitted by the Project Proponent. In this regard, the Project Proponent submitted land NOC for the aforementioned khasra Nos.

The Committee further asked the Project Proponent to submit the layout plan superimposed with the area of proposed sites i.e. Jaloke & Jaloke-2 as per approved DSR and area of these sites as per application proposal. In this regard, the Project Proponent submitted the superimposed map showing the area of the proposed mining sites Jaloke & Jaloke-2 lying within the area approved for these sites as per the DSR.

SEAC was satisfied with proposal and presentation given by the Project Proponent and after deliberations, SEAC decided to award **Silver Grading** to the project and forward the applications to SEIAA with the recommendation to grant Environmental Clearance for mining of minor minerals (Sand) at subject cited mining site for the total area of 4.78 Ha (3.41 Ha for Jaloke and 1.37 Ha for Jaloke-2) and quantity of 66547 TPA (48633 TPA for Jaloke and 17914 TPA for Jaloke-2) as approved in the mining plan subject to the specific conditions attached as **Annexure-1**.



**Item No. 250.07: Application for Environmental Clearance for Expansion of Hyde Park Estate by M/s DLF Home Developers Ltd. located at Village Salamatpur, Devinagar, Bharonjian, Ratwara and Mullanpur Garibdas, Tehsil Kharar, District SAS Nagar (Mohali), Punjab (Proposal No. SIA/PB/INFRA2/427814/2023)**

The Project Proponent was granted Environment Clearance for expansion under EIA notification dated 14.09.2006 vide SEIAA letter No. 1522 dated 19.03.2020 for the expansion of mega housing project namely "Hyde Park Estate" in the total land area of 235.97 acres. The project was covered under the category 8(b) of the schedule appended to EIA notification dated 14.09.2006

The Project Proponent has applied for obtaining Environment Clearance for expansion by increasing the scheme area from 235.97 acres to 241.94 acres. The details of land area, built-up area as per the earlier Environment Clearance accorded and as per the expansion proposal is as under:

Sr. No.	Description	Environment Clearance accorded	Proposed	Total (after expansion)
1.	Scheme Area	235.97 acre	5.97 acres	241.94 acres
2.	Net Planned area	192.84 acres	13.82 acres	206.66 acres
3.	Built up area	7,07,101.62 sqm	77,942.618 sqm	7,85,044.23 sqm

The Project Proponent has submitted request letter, application form, conceptual plan and relevant document as per checklist through Parivesh Portal. The Project Proponent has deposited Rs. 19,500/- vide UTR No. 000130295230/UBIN0903191 dated 19.12.2022 and Rs. 58500/- vide NEFT No. 000134247421/UBIN0903191 dated 06.04.2023 as checked & verified by the supporting staff of SEIAA.

The Department of Town & Country Planning Punjab (PUDA) vide following mentioned memo No. and date granted permission for Change of Land use for developing residential project namely "Hyde Park Estate" at Village Salamatpur, Devinagar, Bharonjian, Ratwara and Mullanpur Garibdas Tehsil Kharar District SAS Nagar (236.352 acre) on certain terms & conditions.

- a) Memo No. 711 CTP (PB) SP-432M dated 31.01.2011 for land measuring 140.91 acres.
- b) Memo No. 5595 CTP (PB) SP-432M dated 08.08.2011 for land measuring 24.40 acres.
- c) Memo No. 9320 CTP (PB) SP-432M dated 23.12.2011 for land measuring 30.52 acres.
- d) Memo No. 4349 CTP (PB) SP-432M dated 06.08.2013 for land measuring 19.63 acres.
- e) Memo No. 2116 CTP (PB) SP-432M dated 20.05.2015 for land measuring 11.04 acres.
- f) Memo No. 7409 CTP (PB) SP-432M dated 03.12.2021 for additional land of 3.20452 acres.
- g) Memo No. 2762 CTP (PB) MPM-132 dated 17.06.2022 for additional land of 6.652 acres.

The Project Proponent has submitted layout plan approved from Chief Town Planner, Punjab for the total scheme area of 241.94 acres and net planned area of 206.66 acres.

Punjab Pollution Control Board vide letter No. 4117 dated 09.06.2023 furnished the latest construction status report as under:

*“The proposed site of the project as shown by Sh. Harpreet Singh, Manager of the promoter company was visited by undersigned on 03.06.2023. As per site shown by the representative, the point-wise status report is as under:*

1. *The proposed site of the project is located at Villages Salamatpur, Devinagar, Bharonjian, Ratwara and Mullanpur Garibdas, Tehsil Kharar, District SAS Nagar (Mohali), Punjab. The project proponent has earmarked its site with poles and no boundary wall / fencing is provided.*
2. *The project proponent has not started any development works at proposed expansion.*
3. *At present, there is no GMADA sewer around the project and therefore, the project proponent cannot dispose of excess treated wastewater into GMADA sewer. The project proponent is required to develop plantation as per Karnal Technology for disposal of excess treated wastewater in an area 19 acres (approx.) until sewer is laid down by GMADA.*
4. *As per the boundary limits shown by the representative, it was observed that there is no operational approved/consented industry such as rice sheller, saila plant, brick kiln, stone crushing, Screening cum washing unit, hot mix plant, cement grinding unit within a radius of 500 m. There is no operational approved/consented air polluting industry within a radius of 100 m from the boundary of the project site and there is no operational approved/consented MAH industry within a radius of 250 m radius from the boundary of the proposed site. There is no operational approved/consented Jaggery Unit within 200 m.*
5. *The site of the project is conforming to the sitting guidelines laid down by the Govt. of Punjab, Department of Science Technology and Environment vide order dated 25.07.2008 as amended on 30/10/2009.”*

**Deliberations during 250<sup>th</sup> meeting of SEAC held on 20.06.2023.**

The meeting was attended by the following:

- (i) Mr. Manpreet Wahj, Authorized Signatory M/s DLF Home Developers Ltd.
- (ii) Mrs. Jyoti Rani, EC Coordinator, M/s Eco laboratories Pvt Ltd.

SEAC allowed the Environmental Consultant of the Promoter Company to present the salient features of the project. Thereafter, the Environmental Consultant presented as under:

S. No	Description	Details
<b>1</b>	<b>Basic Details</b>	
1.1	Name of Project & Project Proponent:	Expansion of Hyde Park Estate located at Village Salamatpur, Devinagar, Bharonjian, Ratwara and

		Mullanpur Garibdas, Tehsil Kharar, District SAS Nagar (Mohali), Punjab by M/s DLF Home Developers Ltd.			
1.2	Proposal:	SIA/PB/INFRA2/427814/2023			
1.3	Location of Project:	Village Salamatpur, Devinagar, Bharonjian, Ratwara and Mullanpur Garibdas, Tehsil Kharar, District SAS Nagar (Mohali), Punjab			
1.4	Details of Land area & Built up area:	<b>Area</b>	<b>EC Accorded</b>	<b>Proposed</b>	<b>Total (After Expansion)</b>
		<b>Scheme Area</b>	235.97 acres	5.97 acres	241.94 acres
		<b>Net Planned Area</b>	192.84 acres	13.82 acres	206.66 acres
		<b>Built-up Area</b>	7,07,101.62 sq.m	77,942.618 sq.m	7,85,044.238 sq.m
1.5	Category under EIA notification dated 14.09.2006	As built-up area of the project is more than 1,50,000 sq.m, thus, project requires prior Environmental Clearance as per EIA Notification, 2006 & its amendments. Accordingly, application is being filed under Schedule 8(b); Category B1 for grant of Environmental Clearance.			
1.6	Cost of the project	Existing cost of the project: Rs. 1,188.16 Crores Proposed cost of expansion: Rs. 57.84 Crores Total cost of the project after Expansion: Rs. 1,246 Crores			
<b>2.</b>	<b>Site Suitability Characteristics</b>				
2.1	Whether project is suitable as per the provisions of Master Plan:	Change of Landuse (CLU) has been obtained from Department of Town and Country Planning Punjab and copy of the same has been submitted.			
2.2	Whether supporting document submitted	Yes, permission for Change of Landuse (CLU) has been obtained from Department of Town and Country Planning Punjab.			

	in favour of statement at 2.1, details thereof:  (CLU/building plan approval status)	
<b>3</b>	<b>Forest, Wildlife and Green Area</b>	
3.1	Whether the project required clearance under the provisions of Forest Conservation Act 1980 or not:	NOC has been obtained from Forest Department and copy of the same has been submitted. NOC issued by Department of Forest & Wildlife vide letter no. 935 dated 04.05.2022 for the land area measuring 6.65 acres of land at Village Salamatpur, Devinagar & Bharonjian Tehsil Kharar District SAS Nagar, wherein, it has been mentioned that the said piece of land area do not attracts the provisions of section 4/5 of PLPA 1900 and also no forest land is involved.
3.2	Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA), 1900.	No, Project is not covered under PLPA, 1900.
3.3	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	Sukhna Wildlife Sanctuary is located at a distance of approx. 7.8 km in 'SE' direction from project location. Project falls outside of the eco-sensitive zone of Sukhna Wildlife Sanctuary. Thus, no NWBL Clearance is required.
3.4	Distance of the project from the Critically Polluted Area.	The nearest critically polluted area is Ludhiana located at a distance of approx. 83 km from the project location.
3.5	Whether the project falls within the influence of Eco-Sensitive Zone or not.	Sukhna Wildlife Sanctuary is located at a distance of approx. 7.8 km in 'SE' direction from project location. Project falls outside of the eco-sensitive zone of Sukhna Wildlife Sanctuary. Thus, no NWBL Clearance is required.
3.6	Green area requirement and proposed No. of trees:	Total organized green area measures 50,788.05 sq.m (12.55 acres) (i.e. @ 6.07% of net planned area). 7,44,916 no. of trees/ shrubs have already been planted

		within project premises on the basis of 1 tree per 80 sq.m. of net planned area.		
<b>4.</b>	<b>Configuration &amp; Population</b>			
4.1	Configuration after expansion:			
	<b>S. No.</b>	<b>Description</b>	<b>Total (After Expansion)</b>	
			<b>Area (in sq.m)</b>	<b>Area (in acres)</b>
	1.	<b>Total Scheme Area</b>	<b>9,79,096.4</b>	<b>241.94</b>
	2.	Area Under EWS (GPA)	49,128.84	12.14
	3.	Area under Acquisition	16,106.49	3.98
	4.	Area under Revenue Rasta	6,515.439	1.61
	5.	Area under Sector Road	64,952.05	16.05
	6.	Reserved Area	55,239.59	13.65
	7.	<b>Net Planned Area [1-(3+4+5+6)]</b>	<b>8,36,323.3</b>	<b>206.66</b>
	8.	Area Under Residential (Plots + EWS)	<b>4,18,404.5</b>	<b>103.39</b>
			<ul style="list-style-type: none"> <li>• 3,69,275.6</li> <li>• 49,128.84</li> </ul>	<ul style="list-style-type: none"> <li>• 91.25</li> <li>• 12.14</li> </ul>
	9.	Area Under Commercial	21,610.21	5.34
	10.	Area Under Institution including other areas such as dispensary, religious building etc.	44,920.11	11.10
	11.	Area Under Organized Green	50,788.05	12.55
	12.	Area Under Roads/ Pavements/ Utilities/ Parking/ Incidental Greens/ Open	3,00,560	74.27
	13.	<b>Total Saleable Area (8+9)</b>	<b>4,40,014.7 sq.m</b>	<b>108.73 acres</b>
	Component wise built-up area details of the project after expansion is given below:			
	<b>S. No.</b>	<b>Particulars</b>	<b>Area (in sq.yds)</b>	<b>FAR</b>
				<b>Built-up Area (in sq.yds)</b>

1.	Residential Plots	4,41,666.27	As per zoning	8,24,574.275
2.	Commercial	25,823.44	1.75	45,191.02
3.	Schools	31,239.64	1	31,239.64
4.	Dispensary	2,613.51	1.5	3,920.265
5.	Religious Building	1,347.09	1.5	2,020.635
6.	CFC/Suvidha Kendra	143.28	1	143.28
7.	Community Center	18,404.63	1	18,404.63
8.	Area under water works, STP, ESS, DG, HSD & SWM	13,411.35	1	13,411.35
<b>Total Built-up Area</b>				<b>9,38,905.095 sq.yds (7,85,044.238 sq.m)</b>

4.2	Population details	After expansion, total estimated population for overall project will be about 24,352 persons.
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Population estimation as per the earlier Environmental Clearance accorded and present proposal for expansion is given below:

S. No.	Description	Norms	EC Accorded		Proposed	Total (After Expansion)	
			Plots/Area	No. of Persons	No. of Persons	Total Plots/Area	No. of Persons
1.	Residential Plots	15 persons per plot	1,113 Plots	16,695	1,620	1,221 Plots	18,315
2.	EWS	400 persons per acre	11.94 acres	4,776	82	12.14 acres	4,858
3.	Commercial	100 persons per acre	5.34 acres	534	0	5.34 acres	534
4.	Institutional	100 persons per acre	6.38 acres	638	7	6.45 acres	645
<b>Total</b>				<b>22,643 Persons</b>	<b>1,709 Persons</b>	-	<b>24,352 Persons</b>

5	Water
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5.1	Total fresh water requirement:	Total water requirement of the project after expansion will be 3,204 KLD; out of which fresh water demand will be 2,331 KLD.
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S. No.	Description	EC Accorded (KLD)	Proposed (KLD)	Total (After Expansion) (KLD)
1.	Total Water Requirement	2,974	230	3,204
2.	Fresh Water Requirement	2,178	153	2,331

#### Water Demand & Wastewater Generation Details of Proposed Expansion

S. No.	Description	No. of persons	Water Requirement (In KLD)
1.	Residential Pop. including EWS @ 135 lpcd	1,702	229.77
2.	Floating Pop. including Commercial & Institutional @ 45 lpcd	7	0.31
<b>Total Water Requirement</b>			<b>230 KLD</b>
Flushing water req. (@ 45 lpcd for residential & 20 lpcd for floating)			<b>77 KLD</b>
<b>Net fresh water requirement</b>			<b>230 – 77 = 153 KLD</b>
Wastewater Generated (@ 80%)			<b>184 KLD</b>
Infiltration load (123 manholes × 200 lt./manholes/day)			<b>25 KLD</b>

5.2	Source:	During operation phase, water supply will be met through borewells (4 Nos.).
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5.3	Whether Permission obtained for abstraction/ supply of the fresh water from	Yes, permission has been obtained from PWRDA and copy of the same has been submitted.
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	the Competent Authority (Y/N) <i>Details thereof</i>				
5.4	Total wastewater generation:	<b>Description</b>	<b>EC Accorded (KLD)</b>	<b>Proposed (KLD)</b>	<b>Total (After Expansion) (KLD)</b>
		Wastewater generated	2,649	184	2,833
5.5	Treatment methodology: <i>(STP capacity, technology &amp; components)</i>	2,833 KLD of sewage will be generated from the project which will be treated in existing STP of 3 MLD capacity based on SBR Technology with ultra-filtration treatment system.			
5.6	Treated wastewater for flushing purpose:	873 KLD			
5.7	Treated wastewater for green area in summer, winter and rainy season:	Summer: 279 KLD Winter: 91 KLD Monsoon: 25 KLD			
5.8	Utilization/Disposal of excess treated wastewater.	Excess treated water will be disposed of to GMADA sewer.			



5.9	Cumulative Details:						
	<b>S. No.</b>	<b>Total water Requirement</b>	<b>Total wastewater generated</b>	<b>Treated wastewater</b>	<b>Flushing water requirement</b>	<b>Green area requirement</b>	<b>Into sewer</b>
1.	3,204 KLD	2,833 KLD	2,776 KLD	873 KLD	Summer: 279 KLD Winter: 91 KLD Monsoon: 25 KLD	Summer : 1,624 KLD Winter: 1,812 KLD Monsoon: 1,903 KLD	
5.10	Rain water harvesting proposal:	Total 68 Recharge Pits have been constructed within project premises. Further, Individual plot owners having plot area of 400 sq.m or above shall be responsible for provision of rain water recharging itself from roof top area to recharge the ground water.					
6	<b>Air</b>						
6.1	Details of Air Polluting machinery:	After Expansion, total DG sets will be 9 of overall capacity 15,260 KVA (i.e. 6 × 2,000 + 1 × 1,500 + 1 × 750 KVA + 1 × 1,010 KVA). Out of which, 8 DG sets of 14,250 KVA capacity (i.e. 6 × 2,000 + 1 × 1,500 + 1 × 750) are already existing.					
6.2	Measures to be adopted to contain particulate emission/Air Pollution	DG sets equipped with acoustic enclosure to minimize noise generation and adequate stack height provided for proper dispersion.					
7	<b>Waste Management</b>						
7.1	Total quantity of solid waste generation		<b>EC Accorded</b>	<b>Proposed</b>	<b>Total (After Expansion)</b>		

		Solid waste Generation	10,972 kg/day	682 kg/day	11,654 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	Biodegradable waste will be composted by use of six Composters of size 5 × 1,000 kg & 1 × 300 kg. Non-biodegradable waste will be disposed off through authorized recycler vendors.																		
7.3	Details of management of Hazardous Waste.	Hazardous Waste will be managed & disposed off to authorized vendors as per the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and its amendments.																		
8	<b>Energy Saving &amp; EMP</b>																			
8.1	Power Consumption:	Total power demand after EC expansion will be 18,630 KVA (18.63 MVA) which will be supplied by Punjab State Power Corporation Limited (PSPCL).																		
8.2	Energy saving measures:	Solar lights have been provided within project premises.																		
8.3	Details of activities under Environment Management Plan.	Details of activities under Environment Management Plan is given below:																		
		<table border="1"> <thead> <tr> <th>S. No.</th> <th>Title</th> <th>Recurring cost/ annum (in Rs. Lakhs)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Sewage Treatment Plant</td> <td>12.5</td> </tr> <tr> <td>2.</td> <td>Horticulture &amp; green belt development, Tree plantation &amp; sprinkling</td> <td>23</td> </tr> <tr> <td>3.</td> <td>Solar System</td> <td>2</td> </tr> <tr> <td>4.</td> <td>Rain Water Harvesting</td> <td>3</td> </tr> </tbody> </table>				S. No.	Title	Recurring cost/ annum (in Rs. Lakhs)	1.	Sewage Treatment Plant	12.5	2.	Horticulture & green belt development, Tree plantation & sprinkling	23	3.	Solar System	2	4.	Rain Water Harvesting	3
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4.	Rain Water Harvesting	3																		

		5.	Fire Fighting	1
		6.	Air pollution control measures	0.5
		7.	Noise pollution control measures	2
		8.	Environmental Monitoring	1
		<b>Total</b>		<b>Rs. 45 Lakhs</b>

During meeting, the Committee perused the certificate issued by GMADA on dated 27.07.2018 wherein it has been mentioned that while designing the trunk sewer, discharge from the project shall be taken care of and laying of trunk sewer is under consideration of GMADA. As and when this sewer will be laid by GMADA, the total discharge from DLF project will be disposed of in the trunk sewer after its treatment through STP to be installed by the M/s DLF Home Developer Ltd as per the service plan approved by GMADA.

The Committee observed that GMADA certificate does not mention the timeline for laying of trunk sewer. The Committee asked the Project Proponent to get the revised certificate from the GMADA indicating the timelines for laying the trunk sewer.

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

1. The Project Proponent shall submit the Certified Compliance Report from MoEF&CC of the conditions of the earlier Environmental Clearance granted to it vide letter No. 1522 dated 19.03.2020.
2. The Project Proponent shall submit the comparative statement indicating the details of breakup of total area and built-up area as per the earlier Environmental Clearance granted and present proposal for expansion.
3. The Project Proponent shall submit the revised certificate from the GMADA indicating the timelines for laying the trunk sewer.
4. The Project Proponent shall submit the detailed proposal for planting trees by indicating the running length of the road, distance between the plants, type of plants, height of plant etc.
5. The Project Proponent shall provide the details of capital cost for undertaking the activities under EMP.
6. The Project Proponent shall submit the details of the activities to be undertaken under Additional Environmental Activities.
7. The Project Proponent shall submit the revised estimation of EWS population by considering 450 persons/acre and accordingly revise the water demand, waste water generation, water balance etc.

8. The Project Proponent shall submit the proposal for the management & disposal of storm water to be generated from the project.
9. The Project Proponent informed that GMADA has refused to manage the Solid Waste being generated from the project. The Project Proponent shall submit the detailed proposal for Management & Handling of Solid Waste.
10. The Project Proponent shall submit the design and location of the Rain Water Harvesting structures for recharging ground water.

**Specific conditions:**

- (i) 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.
- (ii) 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.
- (iii) Mining shall be carried out through semi- mechanized method as proposed in the mining plan.
- (iv) 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.
- (v) 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.
- (vi) The mining operation will be carried out only from sun-rise to sunset.
- (vii) 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.
- (viii) 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.
- (ix) 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.
- (x) 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.
- (xi) 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.
- (xii) The project proponent and Mining officer shall ensure that wherever deployment of labour attracts the Mines Act, the provisions thereof shall be strictly followed.

- (xiii) The project proponent shall undertake plantation/afforestation work by planting native species in the nearby area/ adjacent to the mine lease.
- (xiv) The project proponent shall ensure that effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the ambient air quality parameters conform to the norms prescribed by the Ministry of Environment, Forests & Climate Change (MoEF&CC) /PPCB in this regard.
- (xv) The project proponent shall undertake adequate safeguard measures during extraction of sand and ensure that due to this activity, the hydro-geological and ecological regime of the surrounding area shall not be affected. Regular monitoring of ground water level and quality shall be carried out around the mine lease area by establishing a network of existing wells, if any, and installing new piezometers during the mining operation.
- (xvi) The periodic monitoring of groundwater[(at least four times in a year- pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January); once in each season)] shall be carried out in consultation with the State Ground Water Board/Central Ground Water Authority (CGWA) and the data thus collected may be sent regularly to the MoEF&CC and its Regional office at Chandigarh, CGWA, the Regional Director, Central Ground Water Board; SEIAA, Punjab and PPCB. If at any stage, it is observed that the groundwater table is getting depleted or rising due to the mining activity, necessary corrective measures shall be carried out.
- (xvii) The project proponent shall obtain necessary prior permission of the competent authorities/CGWA for drawl of requisite quantity of water (surface water and groundwater), if any, required for the project.
- (xviii) In case, mining site falls in the notified block declared by the CGWA, the project proponent shall obtain necessary prior permission for drawl of requisite quantity of water for domestic purposes from District Advisory Committee (DAC) and only use treated waste water for dust suppression activities.
- (xix) Adequate numbers (as proposed) of trees shall be planted, protected, maintained and established in vacant area in the village near the mining site.
- (xx) Appropriate mitigation measures shall be taken by the project proponent to prevent pollution at the mining site in consultation with the PPCB. It shall be ensured that there is no leakage of oil and grease at the mining site from the vehicles/mining equipment used for transportation.
- (xxi) Vehicular emissions shall be kept under control and regularly monitored. The project proponent shall ensure that, as far as possible, the transportation route will be away from the habitation area and will not pass through any village. The transportation hours of mined material shall be restricted to non-peak hours only.
- (xxii) The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded. All the public roads as well as approach roads shall be maintained and it shall be ensured that the tippers carrying mined material are not loaded beyond the permissible load as per the

- designed load bearing capacity of the road. Moreover, provision of sufficient funds shall be made in the budget for the proper maintenance of the roads.
- (xxiii) A first aid room shall be provided in the project both during construction and operations of the project.
  - (xxiv) Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.
  - (xxv) Provision shall be made for the housing of workers, if residing at site, within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. In case of non-residential/daily workers, provision of adequate bath rooms, mobile toilets, and mobile STP shall be made to avoid open defecation and treated domestic effluent shall be discharged onto the land for plantation.
  - (xxvi) The municipal solid waste generated shall be disposed of as per Solid Waste Management (SWM) Rules 2016. Segregation of bio-degradable and non-biodegradable wastes shall be done at site and disposed of as per provisions of SWM Rules. Dustbins will be provided at site and the workers will be guided to put all the waste in these dustbins. if any, in the dustbin. No littering will be permitted at the site as well as in the vicinity.
  - (xxvii) The critical parameters such as Respirable Suspended Particulate Matter(RSPM) (Particulate matter with size less than 10 microns i.e., PM10) and Nitrogen oxides (NOx) in the ambient air within the impact zone shall be monitored periodically. Further, quality of discharged water shall also be monitored [(Total Dissolved Solids(TDS), Dissolved Oxygen(DO), pH, Faecal Coliform and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The Circular No. J-20012/1/2006-IA. II(M) dated 27.05.2009 issued by MoEF&CC, which is available at [www.envfor.nic.in](http://www.envfor.nic.in) shall also be referred in this regard for its compliance.
  - (xxviii) The project proponent shall take all precautionary measures during mining operation for conservation and protection of rare and endangered flora & fauna found in the study area. Action plan for conservation of flora and fauna shall be prepared in consultation with the State Forest and Wildlife Department. All the safeguard measures brought out in the Wildlife Conservation Plan so prepared specific to this project site shall be effectively implemented. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. A copy of action plan shall be submitted to the Regional office of the MoEF&CC, Chandigarh and SEIAA, Punjab.
  - (xxix) Vehicles hired to be used for transportation of mined material should be in good condition and should conform to the applicable air and noise emission standards as provided in the Motor Vehicles Act,1988.
  - (xxx) Ambient noise levels should conform to the prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored.

- (xxxi) The risk assessment and disaster management plan should be prepared.
- (xxxii) The project proponent shall submit the site plan showing the earmarked area for storage of mined material.
- (xxxiii) No mining operation shall be carried out at any point within 75 m of railway line, 60 m from national highway, 50 m from HT line/any public works/reservoirs, tanks/canal/public roads and buildings or inhabitations or 10 m of outer edge of any village road. A safety barrier of 7.5m width shall be left intact around the mine lease boundary.
- (xxxiv) The project proponent shall ensure the implementation of the post-closure mining plan as proposed by the project proponent in the Mining plan.
- (xxxv) The project proponent shall comply with the condition imposed by District Forest Officer (DFO) while granting NOC.

**General Conditions:**

- (i) No change in mining technology and scope of working should be made without prior approval of the MoEF&CC.
- (ii) No change in the calendar plan including excavation, quantum of mineral sand/gravel (minor mineral) and waste should be made.
- (iii) Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10micron i.e., PM) and NO<sub>x</sub> 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<sub>x</sub> 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) 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 environmental clearance letter informing that the project has been accorded Environmental Clearance (EC) and a copy of the clearance letter is available with the PPCB and also at web site of MoEF&CC at <http://envfor.nic.in> and a copy of the same should be forwarded to the Regional office of MoEF&CC at Chandigarh and SEIAA, Punjab.
- (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 Industries & Commerce 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.