

Proceedings of 246th meeting of State Expert Appraisal Committee (SEAC) held on 02.05.2023 at 10:00 AM in the Conference Hall no. 2, MGSIPA Complex, Sector-26, Chandigarh.

Following were present:

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

Item No. 01: Confirmation of the proceedings of 245th meeting of State Level Expert Appraisal Committee held on 24.04.2023.

The proceedings of 245th meeting of State Level Expert Appraisal Committee held on 24.04.2023 were prepared and circulated through email. Sh. KL Malhotra, Member SEAC vide e-mail dated 28.04.2023 raised certain observations pertaining to Agenda Item No. 245.01. The suggestions of Chairman, SEAC and Member, SEAC were incorporated in the minutes.

In view of above, SEAC confirmed the proceedings subject to the incorporation of following special conditions in the Agenda Item No. 245.01 (M/s Kisco Casting):

- (i) The project proponent shall provide 2 rows of broad leaf trees along the boundary wall facing the school for protection of the air environment.*
- (ii) The project proponent shall provide Noise Reflector Sheets on the wall facing towards the school for control of noise pollution.*
- (iii) The industry shall develop and maintain green area proposed to be develop outside the premises of the industry for the entire period for which Environmental Clearance is granted.”*

Item No. 02: Action taken on the proceedings of the 245th meeting of State Level Expert Appraisal Committee held on 24.04.2023

The action taken on the decisions of 245th meeting of State Level Expert Appraisal Committee held on 24.04.2023 has been completed.

Item no. 246.01: Monitoring of the identified projects for compliance of the conditions of Environmental Clearance.

SEIAA vide letter no. 4623 dated 10.08.2021 has requested SEAC to monitor certain projects and send the compliance reports to SEIAA at regular intervals after site inspections. The contents of the letter are reproduced as under:

“It is intimated that the subject cited matter was considered by SEIAA in its 186th meeting held on 29.07.2021. SEIAA perused the list of the Projects which have not submitted their six-monthly compliance reports and found that total of 41 Projects (excluding sand-mining projects - the inspection of which is to be done separately by a 5-member Committee constituted as per the directions of Hon’ble NGT) have not submitted their compliance reports as on 29.07.2021. These projects are required to be inspected for determining the status of their compliance of EC conditions.

*After deliberations, SEIAA among other decisions **decided that the projects listed at odd Sr. No’s (1,3,5.....41) of the list (Annexure-1) be assigned to SEAC for monitoring of the compliance of the EC conditions within three months’ time and SEAC be requested to send the compliance reports of these projects at regular intervals after site inspections. The schedule of all site visits be informed in advance to Director DECC as also to PPCB to provide logistic & field support respectively.**”*

The Committee deliberated the matter in its 205th meeting held on 21.08.2021. After deliberation, all the members have expressed their willingness for monitoring the compliance of EC conditions. Therefore, the Members have been assigned the various projects as per list attached as **Annexure-1** for checking the compliance of EC conditions within 3 months-time from the date of issuance of the proceedings. All the Members were requested to give their time schedule for visiting the projects to Member Secretary, SEAC for further intimation to Director, Directorate of Environment & Climate Change, Govt. of Punjab.

1.0 Deliberations during 224th meeting of SEAC held on 11.07.2022.

During meeting, the Committee noted that 15 out of total 21 projects have been visited by the Members of the Committee and the status report of all these projects w.r.t compliance of EC conditions had already been submitted.

The Committee observed that remaining 6 projects are required to be visited (2 projects by Sh. P.S. Bhogal, 2 projects by Sh. Pawan Krishan, 01 project by Sh. Anil Gupta & 01 project by Sh. P.M.S. Bedi) for checking the compliance of EC conditions. The Committee decided that the respective Members may visit the remaining projects before 31.07.2022.

During the meeting, Sh. P.S. Bhogal, Member informed the Committee that he is on ex-India vacation for 3 weeks and will not be able to visit the projects allotted to him. Similarly, Sh. Pawan Krishan, Member also shows his inability to visit the project of SAS Nagar due to pre-occupied schedule. Both these Members requested the Committee that the projects allotted to them may please be assigned to some other Member.

The Committee, considering the request of above Members, requested Sh. K.L Malhotra, Member to visit the projects assigned to Sh. P.S. Bhogal (2 projects) & Sh. Pawan Krishan (1 project of SAS Nagar). Sh. K.L Malhotra, Member has given his consent to visit these projects. Further, the Committee requested all the Members to submit findings of each of the project visited by them w.r.t status of compliance of EC conditions (complied/partially complied/not complied) along with the action required to be taken against the project proponent, if any.

2.0 Deliberations during 229th meeting held on 19.09.2022.

The Committee perused that 18 projects out of total 21 projects have been visited by the Members and the remaining 3 projects namely Punjab Legislators Flats, GBP Camellia Business Centre and Homeland Mall are yet to be visited.

During meeting, Sh. P.S Bhogal & Sh. K.L Malhotra, Member SEAC, apprised the Committee that they will jointly visit the projects namely "Homeland Mall" and "GBP Camellia Business Center" on 24.09.2022 and 01.10.2022 respectively. Similarly, Sh. Anil Kumar Gupta & Sh. Pawan Krishan, Member SEAC informed the Committee that they will jointly visit the project namely "Punjab Legislators Flats" on 01.10.2022. The Committee agreed to the same.

The Committee decided to send the status report of the compliance of Environmental Clearance conditions of 18 No. projects, visited by the SEAC Members, to SEIAA for further necessary action and requested the above Members to visit the remaining projects.

Accordingly, SEAC vide letter no. 1013 dated 27.09.2022 sent the status of the compliance of the conditions of 18 no. of projects visited by the Members of SEAC.

SEIAA vide letter no. 1083 dated 17.10.2022 has requested to submit project wise specific recommendations for action required to be taken by SEIAA (If any) in light of the site inspection reports undertaken by its member till date. The contents of the letter are reproduced as under:

"It is intimated that the subject cited matter was considered by SEIAA in its 216th meeting held on 29.09.2022. SEIAA appreciated the progress of the work undertaken by SEAC for monitoring the compliance of Environment Clearance conditions by various project proponent. After deliberations, the following decisions were taken by SEIAA:

- 1. Since site inspections of the allocated project have been almost completed by SEAC, additional projects be allocated to SEAC for monitoring the compliance of Environment Clearance conditions in the next meeting of SEIAA after deciding the criteria for selection of the project to be inspected by SEAC.*
- 2. SEAC be asked to submit project wise specific recommendations for action required to be taken by SEIAA (If any) in light of the site inspection reports undertaken by its member till date.*

3.0 Deliberations during 231st meeting of SEAC held on 28.10.2022

The matter was deliberated by the Committee in view of SEIAA letter no. 1083 dated 17.10.2022. The Committee observed that all the reports already submitted by the Members are detailed reports, however, as per the observation of SEIAA, the Members were requested to propose action required to be taken in each case within 10 days. The Committee was further of the view that in future, only those projects should be marked for inspection by SEIAA which are in advance stage of completion.

4.0 Deliberations during 233rd meeting of SEAC held on 29.11.2022

The Committee noted that in compliance to the decision taken by the Committee in the 231st meeting of SEAC held on 28.10.2022, Sh. K.L Malhotra & Sh. Sunil Mittal has submitted the project wise specific recommendations of the visits carried out by them. However, the project wise specific recommendations of the projects visited by other Members are yet to be received.

The Chairman requested the Members to submit their recommendations within 10 days. The Members agreed to the same.

In compliance to the request of Chairman, all the Hon'ble Members except Sh. PMS Bedi have furnished the recommendations w.r.t the projects visited by them.



Further, the project namely "GBP Camellia Business Center" which has been decided to be visited by the team comprising of Sh. KL Malhotra & Sh. PS Bhogal on 01.10.2022 is yet to be visited.

5.0 Deliberations during 238th meeting of SEAC held on 06.02.2023



The Committee observed that all the Members except Sh. PMS Bedi have submitted the final recommendations of the projects visited by them. Further, the project namely GBP Camellia Business Centre to be developed by M/s Gupta Builders and Promoter Ltd, is yet to be visited by Sh. K.L Malhotra and Sh. P.S Bhogal.



Sh. PMS Bedi, Member SEAC apprised the Committee that he will submit the recommendations within a week. Sh P.S Bhogal & Sh. K L Malhotra apprised the Committee that they will jointly visit the project namely GBP Camellia Business Centre on 18.02.2023.


After deliberations, the Committee decided to forward the status report of all the projects except 3 projects to SEIAA with the recommendation to further action as proposed by the Members SEAC.

S.No	Proposal Details	Company/Proponent Name	Category	Location	Date of EC Granted	Visited by	Whether visited or not? Status report attached	Specific recommendations for action required to be taken by SEIAA
1	Proposal no.: SIA/PB/MIS/53933/2016	ELDECO INFRASTRUCTURES AND PROPERTIES LTD, (E-mail- eldecop@gmail.com, Phone No. 9810355569	INFRA-2	State: Punjab	23-11-16	Sh. S.K. Gupta	Yes  Eldeco Infrastructure & properties Ltd.rar	Overall Compliance status found to be satisfactory
	File no.: SEIAA/PB/NCP/EC/EXPN/2016/3			District: Ludhiana				
	Proposal Name: Expansion of Estate One Residential Colony at Village Rajpura Hussainpura and Bhatian District Ludhiana Eldeco Infrastructure & Properties Ltd			Village: Ludhiana (West)				
3	Proposal no.: SIA/PB/NCP/63304/2017	UNITED BUILDERS, (E-mail ID- ub.zirakpur@gmail.com, Phone No.- 9988577295	INFRA-1	State: Punjab	03-05-17	Sh. Sunil Mittal	Yes  la-prisma.docx	A visit to the LA prisma project was made on 18 March 2022 to check the compliance of EC
	File no.: SEIAA/PB/NCP/EC/2017/5			District: SAS Nagar				

	Proposal Name	:LA - PRISMA			Village	:Derabassi				<p>conditions granted vide letter no. SEIAA/2020/3400 dated 24.05.2020. The project is still under construction and nearly 90 - 95% work has completed. As on date of visit, out of 287 flats, 250 are under possession and nearly 150 families are residing. The present EC has validity till 04.11.2027 (7 Years).</p> <p>Action suggested:</p> <p>1. The Project proponent shall maintain the records of</p>
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5	Proposal no.:	SIA/PB/NCP/42238/2016	SANDWOODS INFRATECH PROJECTS PRIVATE LTD, (E-mail ID- info@sandwoods.com, Phone No. 1725003871	INFRA-1	State	Punjab	10-06-16	Dr. Pawan Krishan	<p>Yes</p> 	It is recommended that the Project Proponent should be directed to ensure the implementation and compliance of the various Environmental Clearance conditions
	File no.:	SEIAA/PB/BC/EC/2016/16			District:	SAS Nagar				
	Proposal Name	Sandwoods Infratech Project Private Limited			Village	Baddi				
7	Proposal no.:	SIA/PB/NCP/62959/2017	MAYA BUILDERS, (E-mail ID- eia@cptl.co.in), Phone No. 9988127295	INFRA-1	State	Punjab	03-05-17	Sh. Sunil Mittal	<p>Yes</p> 	A visit to the Green Lotus Saksham project was made on 19/3/2022 to check the compliance of EC conditions. The project is still under construction and nearly 60% work has completed. As on date of visit, No

9	Proposal no.:	SIA/PB/NCP/81182/2018	NK AND KK INFRADEVELOPERS PVT LIMITED, (E-mail ID- theearlwood@yahoo.com), Phone No. 9988577295	INFRA-1	State	Punjab	22-08-19	Dr. P.M.S. Bedi	Yes	 Earlwood report.pdf	Not submitted
	File no.:	SEIAA/PB/NCP/EC/2018/19			District:	SAS Nagar					
	Proposal Name	THE EARLWOOD			Village:	Kharar					
11	Proposal no.	SIA/PB/NCP/71644/2017	PUNJAB LEGISLATURE CO OPERATIVE HOUSE BUILDING SOCIETY LTD, (E-mail ID- cptleia@gmail.com, Phone No. 998857729	INFRA-1	State	Punjab	29-01-18	Dr. Pawan Krishan	 Punjab Legislator visit report.pdf	Construction of both of the towers have been completed. However, construction of club house building is in progress. 6-7 residents have occupied the flats. Therefore, the project is in completion stage. The Project Proponent have complied with most of the Environmental Clearance compliances to be	


	Proposal Name	:PUNJAB LEGISLATORS FLATS			Village	:S.A.S.Nagar (Mohali)				
13										
	Proposal no.	:SIA/PB/NCP/50084/2016	AMAZING REAL ESTATE PVT LTD (e-mail ID- amazingrealestate2015@gmail.com) Phone No. 0172-4610092	INFRA-1	State	:Punjab	28-06-16	Sh. Sunil Mittal	Yes  Joynest MOH-1 .docx	A visit to the Joynest MOH 1 project was made on 17 March 2022 to check the compliance of EC conditions granted vide letter no. SEIAA/2018/634 dated 24.05.2018. The project is still under construction and nearly 50 - 60% work has completed. As on date of visit, out of 968 flats, 360 are under possession and nearly 225 families are residing. Two towers are at various stages of

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construction and
3No towers work in
very preliminary
stage.

**Actions
suggested**


1. The Project
proponent shall
maintain the
records of
electromagnetic
flow meter at the
outlet of the
water supply,
outlet of the STP
and any pipeline
to be used for re-
using the treated
wastewater back
into the system
for flushing and
for horticulture
purpose/green
etc.
2. Green area
development


									work needed to speed up in remaining areas. Solar street lights need to be installed.
	File no.	:SEIAA/PB/BLDG CONST/EC/2016/11			District:	SAS Nagar			
	Proposal Name	:JOYNEST MOH 1			Village	: Derabassi			
15	Proposal no.	:SIA/PB/NCP/75616/2018	GUPTA BUILDERS AND PROMOTERS PVT LIMITED, (E-mail ID- cptleia@gmail.com, Phone No. 998857729	INFRA-1	State	:Punjab	07-09-18	Sh. Sunil Mittal	Yes  GBP time square.docx
	File no.	:SEIAA/PB/NCP/EC/2018/14			District:	SAS Nagar			
	Proposal Name	:GBP TIME SQUARE			Village	: Derabassi			A visit to the GBP Time Square project No. SEIAA/2018/1285 Dated 7/9/2018 was made on 14/4/2022 to check the compliance of EC conditions. No one from the proponent and consultant was present. The project is still under construction and no work was underway


									on day of visit. Project seemed to be in dilapidated condition. Nearby shopkeepers informed that the work is closed in the premises from more than 2 years. There was no office inside the premises. In such situation, nothing can be checked.	
17										
	Proposal no. :	SIA/PB/NCP/53252/2016	SEKHON CONSTRUCTION AND DEVELOPERS PRIVATE LIMITED, (E-mail ID- scdp176@ridiffmail.com), Phone No. 01612818590	INFRA-1	State :	Punjab	21-07-16	Sh. S.K.Gupta	Yes  Delta Tower.rar	During the Visit, Mr Gurjit Singh, the promoter was available at site office. This site office is constructed a little away from project site as the promoter is doing business c
	File no. :	SEIAA/PB/NCP/BC/EC/2016/22		District:	Ludhiana					
	Proposal Name :	DELTA TOWER		Village :	Ludhiana (West)					



										<p>Some excavation work was done on one tower site and some broken boundary walls were found at site. Some labour quarters were also found at site. He also produced at a letter written by chief administrator GLADA Ludhiana to Supdt. Housing and development Punjab, Chandigarh for guiding GLADA Ludhiana regarding refund of Rs 44,10,408/- deposited by colonies is yet to receive any amount as refund from GLADA Ludhiana.</p>
19										

	Proposal no.: SIA/PB/NCP/71433/2017	A G I INFRA LIMITED, (E-mail ID- cptleia@gmail.com, Phone No. 998857729 gi_builders@yahoo.co.in	INFRA-1	State :	Punjab	26-02-18	Dr. P.M.S. Bedi	Yes  AGI Palace Monitoring report.pdf	Not submitted
	File no.: SEIAA/PB/NCP/2017/EC/2017			District:	Jalandhar				
	Proposal Name :	AGI Palace		Village :	Jalandhar - J				
21	Proposal no.: SIA/PB/NCP/71464/2017	MALWA PROJECTS PVT LTD, (E-mail ID- rahulzrk@yahoo.com, Phone No. 9988577295	INFRA-1	State :	Punjab	21-03-18	Sh. A.K. Gupta	Yes  Anil Gupta Visit Report for Malwa Pro	Construction of the project is in progress. Therefore the project is in construction phase. The project proponent agreed to the EC compliances to be made during construction and operation phase. However, he has complied with most of the EC provisions to be made before Construction phase. Therefore, it is recommended
	File no.: SEIAA/PB/NCP/2017/EC/21			District:	SAS Nagar				
	Proposal Name :	ESCON PRIMERA		Village :	Derabassi				

										that Project proponent should be directed to strictly comply with terms and conditions specified in the EC during construction and operation phase.
23	Proposal no.:	SIA/PB/NCP/42930/2016	HERO REALTY LIMITED, (E-mail ID- dilpreet.singh@herorealty.in, Phone No. 8872043178	INFRA-1	State	: Punjab	28-06-16	Sh. KL Malhotra	Yes  image34287.pdf	The project has been partly completed. Since construction of new block was being done at the time of inspection, the Project Proponent may be advised to strictly follow the stipulations made in respect to pre-construction and construction phase in the
	File no.	:SEIAA/PB/BC/EC/2016/14			District:	SAS Nagar				
	Proposal Name	: Group Housing Project Site No. 1 "Hero Homes" located at Sector-88, Distt. SAS Nagar (Mohali), Punjab By M/s. Hero Realty Pvt. Ltd.			Village	: S.A.S.Nagar (Mohali)		Sh. K.L. Malhotra		



									Environmental Clearance.
25	Proposal no. :	SIA/PB/NCP/53111/2016	CURO INDIA PVT LTD, (E-mail ID-ak.sharma@curoindia.com, Phone No. 8872043178	INFRA-1	State :	Punjab	28-06-16		<p>The project has not yet been completed neither any construction work was being done at the time of inspection. It has been pointed out in the inspection report that the project is located within the deemed eco-sensitive zone of sukhna wildlife sanctuary and therefore NBWL approved was required. However, since no stipulation was made in this regard in Environmental</p> <p>Yes</p> 
	File no. :	SEIAA/PB/NCP/BC/EC/2016/21			District:	SAS Nagar			
	Proposal Name	:"Curo North Square" at Village Mullanpur Garibdass, Distt. SAS Nagar (Mohali), Punjab by M/s. Curo India Pvt.Ltd.			Village :	S.A.S.Nagar (Mohali)			

									<p>Clearance, the Project Proponent was advised to file a fresh request in this regard. Meanwhile in the joint meeting of SEIAA and SEAC, it has been decided to consider 1 Km area as eco-sensitive zone of Sukhna Wildlife Sanctuary. Therefore, the necessity for seeking NBWL approval for this project may be considered by SEIAA.</p>	
27	Proposal no.: SIA/PB/NCP/59653/2016	GUPTA BUILDERS AND PROMOTERS PVT LIMITED, (E-mail ID- cptleia@gmail.com, Phone No. 998857729	INFRA-1	State :	Punjab	23-01-17	Sh. A.K. Gupta	Yes	 GBP Visit report.pdf	The project site is laying unutilized and no construction activity has been started yet.
	File no.: SEIAA/PB/NCP/EC/2016/36			District :	SAS Nagar					
	Proposal Name :		GBP CINEPOLIS		Village :	Derabassi				

	Proposal no.	:SIA/PB/NCP/74967/2018	GK RESIDENCY PVT LTD, (E-mail ID-legal@sbpgroup.in, Phone No. 9988577295)	INFRA-1	State	: Punjab	02-04-19	Dr. P.M.S. Bedi	Yes  Monitoring_Report_of_project_namely_City			
	File no.	:SEIAA/PB/NCP/EC/2018/16			District	: SAS Nagar						
	Proposal Name	:CITY OF DREAMS 115			Village	: Kharar						
35	Proposal no.	:SIA/PB/NCP/59654/2016	GUPTA BUILDERS AND PROMOTERS, (E-mail ID-cptleia@gmail.com, Phone No. 998857729	INFRA-1	State	: Punjab	23-01-17	Dr. P.M.S. Bedi	Not visited	Not visited		
	File no.	:SEIAA/PB/NCP/EC/2016/35	PVT LIMITED		District	: SAS Nagar						
	Proposal Name	:GBP CAMELLIA BUSINESS CENTER			Village	: Kharar						
37	Proposal no.	:SIA/PB/NCP/63176/2017	PUNJAB STATE POWER CORPORATION LIMITED PATIALA, (E-mail ID- singladarshan@yahoo.com, Phone No. 9988694610)	INFRA-1	State	: Punjab	03-05-17	Dr. Pawan Krishan	Yes  PSPCL_Visit_report.pdf	Construction of both the towers have been completed. However, construction of club house building is in progress. 6-7 residents have		
	File no.	:SEIAA/PB/NCP/EC/2017/9			District	: Patiala						
	Proposal Name	:Proposed construction of Multi-storeyed integrated corporate office complex at Badungar,			Village	: Patiala						

Patiala by Punjab
State Power Corporation
Limited.

occupied the flats.
Therefore, the
project is in
completion stage.
The project
proponent has
complied with most
of the EC
compliances to be
made during pre-
construction,
construction and
operation phase.
However, the
Project proponent
should be directed
to install meter to
measure extraction
of groundwater, use
Chemical fertilizer,
install 20 KW Solar
plant on each
tower, door to door
collection and
provision of wet &
dry bins at ground
level, to get

									permission from the CGWA for water extraction.	
39	Proposal no.:	SIA/PB/NCP/56497/2016	A B ALOCOBEV P LIMITED, (E-mail ID- rahulsswml@gmail.com, Phone No. 8288079363)	INFRA-1	State	Punjab	22-08-16	Sh. P.S. Bhogal & Sh. K.L Malhotra	Yes  Homeland visit report.pdf	Partial compliance of the project was seen. The project is still in the construction stage and after completion of the project, complete monitoring of the Environmental Clearance conditions would be possible to check.
	File no.:	SEIAA/PB/NCP/BC/EC/2016/23			District:	SAS Nagar				
	Proposal Name	HOMELAND MALL			Village	S.A.S.Nagar (Mohali)				
41	Proposal no.:	SIA/PB/NCP/63459/2017	LUDHIANA IMPROVEMENT TRUST, (E-mail ID- Idh_it_2009@yahoo.in, Phone No. 9810297612)	INFRA-1	State	Punjab	03-05-17	Sh. S.K. Gupta	Yes  Atal Apartment-Monitoring	The site was visited along with Sh.Ravinder Singh J.E. of Ludhiana Improvement trust. There was no "CONSTRUCTION ACTIVITY AT SITE". Sh Ravinder Singh
	File no.:	SEIAA/PB/NCP/EC/2017/11			District:	Ludhiana				
	Proposal Name	Atal Apartments at Shaheed Karnail Singh Nagar, Pakhowal Road, Ludhiana, Punjab by Ludhiana , Improvement Trust.			Village	Ludhiana (West)				

J.E. informed that construction could not be started at site due to change in the plan.

The undersigned also met Sh Butta Ram XEN, Improvement trust Ludhiana in his office. He told that they are again applying for fresh E.C. in view of change in the plan of this project.

6.0 Deliberations during 239th meeting of SEIAA held on 01.03.2023

The matter was considered by SEIAA in its 239th meeting held on 01.03.2023.

SEIAA perused the project wise recommendations given by the SEAC.

In respect of Projects at S No.'s 3, 5, 7, 11, 13, 33 & 37 in which specific non-compliance has been reported or suggestions have been made by the SEAC members, it was decided that SEIAA would issue advisories to the Project Proponents (with a copy to their respective consultants) to submit compliance reports within 45 days of issue of the advisory failing which the EC granted to the Project would be liable to be suspended / revoked.

SEIAA further observed that the reports submitted by SEAC in respect of Projects at S No.'s 9, 15, 17, 19, 21, 23, 29, 35 & 39 are generic in nature and only state that the EC conditions are required to be followed by the project proponent (which is already a mandatory requirement for all ECs). SEIAA, therefore, decided that in case the SEAC desired any specific action to be taken by SEIAA in respect of the Projects at S No.'s 9, 15, 17, 19, 21, 23, 29, 35 & 39 the same may be informed to SEIAA.

SEIAA further observed that for the project mentioned at Sr. No. 25 namely Curo North Square located at Village Mullanpur, Garibdas, District SAS Nagar, it has been reported that the project is located within the deemed eco sensitive zone of Sukhna Wildlife Sanctuary and therefore, the project proponent is required to file a fresh application to the NBWL in this regard. Further, SEIAA has been recommended to explore the necessity for seeking NBWL approval for this project. SEIAA observed that as per the latest clarification by PCCF (WL) and Chief Wildlife Warden Punjab letter no. 8334 dated 13.02.2023, the width of eco sensitive zone around the Sukhna Wildlife Sanctuary is to be considered as 1 km. In light of the said clarification, SEIAA observed that no action is required to be taken in this case as the site falls more than 1 km away from the Sukhna Wildlife Sanctuary.

SEIAA, further observed that no action is required to be taken w.r.t. proposal mentioned at Sr. No. 1, 27 and 41 in light of the recommendations of the SEAC to the effect that either the project is complying with the conditions of EC or the construction activity at the site was not started.

It was also decided that further projects may be allocated to SEAC for conducting site visits to check compliance of EC conditions. For this purpose, support staff was directed to prepare a shortlist of projects in which ECs were issued 3 to 4 years back and which have not been allocated for inspection to SEAC till now and put up the same in the next meeting of the Authority. Further, the Environmental Engineer, SEIAA would draft a notice regarding non-compliance of EC conditions as per MoEF&CC guidelines and take approval on file for necessary action in cases of non-compliance.

SEIAA vide letter No. 696 dated 21.04.2023 informed that the status report of SEAC w.r.t visits made to various project by SEAC was examined by SEIAA in its 239th meeting held on 01.03.2023.

SEIAA perused the project wise recommendations given by the SEAC and observed that the reports in respect of projects at Sr. No. 5,9,15,17,19,21,23,29,33,35 & 39 are generic in nature

and only mention that the Environmental Clearance conditions are required to be followed by the Project Proponent (which is already a mandatory requirement for all ECs).

SEIAA, therefore, among other decisions, decided that in case the SEAC desired any specific action to be taken by SEIAA in respect of the above-mentioned projects the same may be informed to SEIAA so that necessary action in the matter can be taken by SEIAA.

7.0 Deliberations during 246th meeting of SEIAA held on 02.05.2023

The Committee perused SEIAA letter No. 696 dated 21.04.2023 and decided that no specific action is required to be taken at this stage for the projects mentioned at Sr. No. 5,9,15,17,19,21,23,29,33,35 & 39. The decision in this regard will be conveyed to SEIAA.

Item No.246.02: Application for Environmental Clearance for establishment of the Group Housing Project namely “The Medallion Aurum” at Sector 67, Mohali, Distt. SAS Nagar, Punjab by M/s Turnstone Realty LLP (Proposal No. SIA/PB/INFRA2/ 419298/2023)

The Project Proponent was granted Terms of Reference vide letter No. SEIAA/MS/2023/184 dated 31.01.2023 for establishment of group housing project “Medallion Aurum” at Sector 67, Mohali, District SAS Nagar. The Project Proponent was issued said Terms of Reference for carrying out EIA study for proposed construction of 10 towers having 672 flats.

The project proponent has applied for obtaining Environmental Clearance for Group Housing Project namely “The Medallion Aurum” at Sector 67, Mohali, Distt. SAS Nagar, Punjab. The land area of the project is 51,036.920 sqm having built up area of 2,75,081.854 sqm. The project is covered under category 8(b) of the schedule appended with the EIA Notification dated 14.09.2006.

The project proponent has submitted EIA report, compliance of ToR and other additional documents on online portal. The Project Proponent was required to deposit Rs. 2,75,082/- out of which he had deposited Rs. 12,436/- vide UTR No. AXSK223080000706 dated 04.11.2022 and Rs. 56,335/- vide UTR No. AXSK223250003556 dated 19.11.2022. Now, the Project Proponent has deposited Rs. 1,49,976 vide UTR No. AXSK230520018003 dated 21.02.2023 and Rs. 56,335 vide UTR No. AXSK230830028760 dated 24.03.2023, as checked & verified by the supporting staff of SEIAA.

The construction status report vide letter No. 2738 dated 21.04.2023 furnished by Punjab Pollution Control Board is as under:

“The proposed site of the subject cited project was visited by officer of the Board on 18/04/2023 and the point wise reply of the comments sought by SEIAA relating to the proposal of the subject cited industry is given as under:

S.n.	Report of point sought by SEIAA	Remarks
1.	Construction status of the proposal	<ol style="list-style-type: none"> 1. The proposed site is located at Sector 67, Mohali. 2. The GPS coordinates of the site are 30.6737 and 76.7297. 3. The project proponent has provided boundary wall of three side of the project with metal sheet. The project proponent has constructed fabricated temporarily sale office at the site. The Sukhna choe / nallah are passing the back side of the project. The project proponent has not digging as well as constructed any activity at the site.
2.	Statis physical structures within 500 m rafijs of the iste including the status of	The following units are located within 500 m radius of the unit:

	<i>industries, drain, river, eco sensitive structure, if any.</i>	<ol style="list-style-type: none"> 1. No rice sheller/ stone crusher / hot mix plant/ cement grinding unit/ brick kiln exist within 500 mtr from the proposed site. 2. There is no jaggery, petroleum outlet exist within 100 mtr of the site. 3. There is drain / nallah / choe exist within 500 mtr. 4. There is common bio- medical treatment facility within 500 mtr. 5. There is no eco sensitive area within 500 mtr. 6. There is no MAH industry existing within 300 mtr. 7. There is no other air polluting industry exist within 250 mtr from the proposed site.
4.	<i>Whether the site meets with the prescribed criteria for setting up of such projects.</i>	<i>The proposed site is complying with the sitting guidelines framed by the Government of Punjab for such project.</i>

It is pertinent to mention here that the proposed site is situated within the jurisdiction of GMADA. However, the terminal STP installed in SAS Nagar (Mohali) by GMADA authorities is not adequate to cater the quantity of additional effluent of this project. The upgradation of exiting STP installed by GMADA authorities is yet to be made. Further the project proponent has not submitted any alternate scheme for the disposal.”

Deliberations during 246th meeting of SEAC held on 02.05.2023.

The meeting was attended by the following:

- (i) Sh. Harpuneet Singh Dhaliwal, Project Head M/s Turnstone Realty LLP
- (ii) Mr. Sandeep Garg, Environmental Consultant M/s Eco Laboratories Pvt Ltd.
- (iii) Mrs. Jyoti Rani, EC-Coordinator M/s Eco Laboratories Pvt Ltd.

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

S. No	Description	Details
1	Basic Details	
1.1	Name of Project & Project Proponent:	Proposed Group Housing Project namely “The Medallion Aurum” by M/s Turnstone Realty LLP
1.2	Proposal:	SIA/PB/INFRA2/419298/2023
1.3	Location of Project:	Sector 67, Mohali, Distt. SAS Nagar, Punjab
1.4	Details of Land area & Built up area:	Land area: 51,036.92 sq.m. Built up area: 2,75,081.854 sq.m.

1.5	Category under EIA notification dated 14.09.2006	8(b)
1.6	Cost of the project	Rs. 1,100 Crores
2.	Site Suitability Characteristics	
2.1	Whether project is suitable as per the provisions of Master Plan:	A copy of the allotment letter for the total land measuring 51036.92 sqm in Sector-67, SAS Nagar issued by GMADA vide memo No. 9054 dated 10.05.2022 for establishment of the group housing project submitted.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	A copy of the allotment letter for the total land measuring 51036.92 sqm in Sector-67, SAS Nagar issued by GMADA vide memo No. 9054 dated 10.05.2022 for establishment of the group housing project submitted.
3	Forest, Wildlife and Green Area	
3.1	Whether the project required clearance under the provisions of Forest Conservation Act 1980 or not:	No, the project does not involve any forest land. A self-declaration in the prescribed format submitted.
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. A self-declaration in the prescribed format submitted.
3.3	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	No, there is no Wildlife Sanctuary or Protected Area falls within 10 km radius of the project site. The project area is situated at a crow flight distance of 13 Km from the nearest wildlife sanctuary namely Sukhna Wildlife Sanctuary. Thus, no NBWL Clearance is required.
3.4	Whether the project falls within the influence of Eco-Sensitive Zone or not.	No, there is no Eco-Sensitive areas falls within 10 km radius of the project site.
3.5	Green area requirement and proposed No. of trees:	Green area: 17,265.494 sq.m. No. of proposed trees: 890 trees
4.	Configuration & Population	

4.1	Proposal & Configuration			
	S. No.	Description	Area (in sq.m)	
1.	Plot area		51,036.920	
2.	Permissible Ground Coverage (@ 35%)		17,862.922	
3.	Proposed Ground Coverage (@ 27.74%)		14,155.589	
4.	Built-up Area (FAR + Non FAR)		2,75,081.854	
	Tower A		19,911.680	
	Tower B		19,911.680	
	Tower C		19,911.680	
	Tower D		19,911.680	
	Tower E		19,911.680	
	Tower F		20,411.193	
	Tower G		20,411.193	
	Tower H		20,411.193	
	Tower I		14,974.910	
	Tower J		14,974.910	
	Community Building		6,855.362	
	Basement 1		34,128.236	
	Basement 2		41,532.994	
	Commercial (Shops)		1,529.531	
	ESS Area		274.958	
	Guard room		18.974	
8.	Permissible Commercial area (@ 1%)		1,531.108	
9.	Proposed Commercial area (@ 0.999%)		1,529.531	
10.	Permissible Green area (@ 25%)		12,759.230	
11.	Proposed Green area (@ 33.83%)		17,265.494	
The above said details are as per the conceptual plan.				
4.2	Population details	6,709 persons		
S. No.	Description	Number/ area	Norms	Persons (No.)

1.	Residential • 3-BHK Dwelling Units • 4-BHK Dwelling Units	672 • 492 • 180	• 6 persons per DU • 7 persons per DU	4,212 • 2,952 • 1,260
2.	Shops	40	2 persons per shop	80
3.	Community Building • Basement • Ground floor • First floor	• 3,784.709 • 1,579.183 • 1,250.858	• 3 sq.m per person • 3 sq.m per person • 6 sq.m per person	1,996 • 1,262 • 526 • 208
4.	Visitors	-	10% of residential pop.	421
Total Estimated Population				6,709 Persons

5 Water

5.1 Total fresh water requirement: Total fresh water requirement will be 398 KLD

S. No.	Details	Population	Water Demand (in KLD)
1.	Residential @ 135 lpcd	4,212	568.62
2.	Floating population @ 45 lpcd	80	3.6
3.	Community building • Staff (10% of pop. @ 45 lpcd) • Visitors (90% of pop. @ 15 lpcd)	1,996 • 200 • 1,796	36 • 9 • 27
4.	Visitors @ 15 lpcd	421	6.31
Total water requirement			614.53 say 615 KLD
Flushing water req.			217 KLD
Net Fresh Water Demand			615 – 217 = 398 KLD
Wastewater generation @ 80%			492 KLD
Treated water @ 98%			482 KLD
Green area water req. for green area of 17,265.494 sq.m.			
Summer (@ 5.5 lt./sq.m/day)			95 KLD
Winter (@ 1.8 lt./sq.m/day)			31 KLD
Monsoon (@ 0.5 lt./sq.m/day)			9 KLD

Excess treated wastewater @ 170 KLD in summer season, 234 KLD in Winter & 263 KLD in Rainy will be discharged into GMADA sewer. A copy of allotment letter issued by GMADA vide memo No. 9054 dated 10.05.2022 submitted, wherein it has been mentioned that the

allottee shall be entitled for the sewer & storm water connection in the main sewer & storm network developed by GMADA.		
5.2	Source:	GMADA Supply
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>	A copy of the allotment letter issued by GMADA vide memo No. 9054 dated 10.05.2022 submitted, wherein it has been mentioned that the water supply will be provided through GMADA as per as per (x) point of other general conditions.
5.4	Rain water harvesting proposal:	Total 13 Recharge Pits have been proposed for rain water recharging.
6	Air	
6.1	Details of Air Polluting machinery:	Total 5 DG Sets (i.e. 1 × 1,010 KVA + 2 × 750 KVA + 2 × 500 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	2,185 kg/day of domestic solid waste will be generated
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 converted into manure using two Composters of capacity 500 kg each to be installed within project premises. Non-biodegradable waste will be disposed off through authorized recycler vendors. Inert waste will be dumped at authorized dumping site.
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	Energy Saving & EMP	
8.1	Power Consumption:	The total power requirement of the project will be 5,960 KVA which will be supplied by Punjab State Power Corporation Limited (PSPCL).

8.2	Energy saving measures:	Terrace area of tower D & E will be used to install solar panels which will generate 38 KW power.																														
8.3	Details of activities under Environment Management Plan.	<p>Details of activities under Environment Management Plan is given below.</p> <table border="1" data-bbox="624 371 1347 2098"> <thead> <tr> <th data-bbox="632 371 858 573" rowspan="2">Title</th> <th data-bbox="866 371 978 573" rowspan="2">Capital Cost (Rs. Lakhs)</th> <th colspan="2" data-bbox="986 371 1339 459">Recurring Cost (Rs. Lakhs/ Annum)</th> </tr> <tr> <th data-bbox="986 461 1177 573">Construction phase</th> <th data-bbox="1185 461 1339 573">Operation phase</th> </tr> </thead> <tbody> <tr> <td data-bbox="632 575 858 752">Wastewater Management (Installation of STP of 600 KLD)</td> <td data-bbox="866 575 978 752">100</td> <td data-bbox="986 575 1177 752">3</td> <td data-bbox="1185 575 1339 752">8</td> </tr> <tr> <td data-bbox="632 754 858 1021">Air & Noise Pollution Management (Acoustic enclosure for DG sets etc.)</td> <td data-bbox="866 754 978 1021">12</td> <td data-bbox="986 754 1177 1021">3</td> <td data-bbox="1185 754 1339 1021">3</td> </tr> <tr> <td data-bbox="632 1023 858 1200">Landscaping and development of green area</td> <td data-bbox="866 1023 978 1200">15</td> <td data-bbox="986 1023 1177 1200">4</td> <td data-bbox="1185 1023 1339 1200">15</td> </tr> <tr> <td data-bbox="632 1202 858 1335">Rain water recharging (13 Pits)</td> <td data-bbox="866 1202 978 1335">30</td> <td data-bbox="986 1202 1177 1335">2</td> <td data-bbox="1185 1202 1339 1335">13</td> </tr> <tr> <td data-bbox="632 1337 858 1827">Environment Monitoring (Environmental Monitoring, Water sprinkling for dust control, Monitoring of DG sets as per PPCB Guidelines)</td> <td data-bbox="866 1337 978 1827">5</td> <td data-bbox="986 1337 1177 1827">1</td> <td data-bbox="1185 1337 1339 1827">5</td> </tr> <tr> <td data-bbox="632 1830 858 2098">Solid Waste Management (Installation of 2 Composters of size 500 kg and hazardous</td> <td data-bbox="866 1830 978 2098">50</td> <td data-bbox="986 1830 1177 2098">1</td> <td data-bbox="1185 1830 1339 2098">4</td> </tr> </tbody> </table>	Title	Capital Cost (Rs. Lakhs)	Recurring Cost (Rs. Lakhs/ Annum)		Construction phase	Operation phase	Wastewater Management (Installation of STP of 600 KLD)	100	3	8	Air & Noise Pollution Management (Acoustic enclosure for DG sets etc.)	12	3	3	Landscaping and development of green area	15	4	15	Rain water recharging (13 Pits)	30	2	13	Environment Monitoring (Environmental Monitoring, Water sprinkling for dust control, Monitoring of DG sets as per PPCB Guidelines)	5	1	5	Solid Waste Management (Installation of 2 Composters of size 500 kg and hazardous	50	1	4
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		waste management)			
		Energy Efficient measures (LEDs, Solar Panel, etc.)	50	1	2
		Total	262	17	50

During meeting, the Committee perused the construction status report submitted by Punjab Pollution Control Board vide letter No. 2738 dated 21.04.2023, wherein it has been mentioned that the proposed site is situated within the jurisdiction of GMADA. However, the terminal STP installed in SAS Nagar (Mohali) by GMADA authorities is not adequate to cater the quantity of additional effluent of this project. The upgradation of exiting STP installed by GMADA authorities is yet to be made. Further the project proponent has not submitted any alternate scheme for the disposal.

In this regard, the Committee perused the letter No. GMADA/CE/2021/215 dated 23.02.2022 issued by Chief Engineer GMADA, wherein it has been mentioned that the GMADA has already allotted the work of augmentation of STP in Sector-83, Mohali from 10 MGD to 15 MGD and upgrading its technology to SBR, at a total cost of Rs. 145 Crore (including O & M for ten years). Further, out of 15 MGD, GMADA is also constructing tertiary treatment plant of 5 MGD capacity on ultra-filtration technology. This plant would take care of the sewage generated from Sector-48 to 81 in Master Plan of Mohali.

The Committee on perusal of above said GMADA letter dated 23.02.2022 observed that the proposed unit falls in Sector-67 of SAS Nagar, the treated sewage of which would be taken care of by the GMADA as per the said letter.

The Committee asked the Project Proponent to submit an affidavit stating that he shall not give any possession to the flat owners until the outlet of the project sewer is connected with the GMADA sewer. The Project Proponent submitted the affidavit attested by the Notary Public.

The Committee asked the Project Proponent to submit construction schedule (PERT Chart) and an undertaking regarding the constitution of Environment Monitoring Cell. The Project Proponent submitted the said documents.

The Project Proponent has proposed the following Additional Environmental Activities:

S. No.	Activities	Cost (Rs. Crores)
1.	Installation, maintenance & operation of Air Purification Tower within project premises	5
2.	Beautification and maintenance of Choe Nala adjoining to project site	2
3.	Distribution of jute bags in nearby villages	0.35
Total		Rs. 7.35 Crores

After detailed deliberations, the Committee decided to award **Silver Grading** to the project and to forward the application to SEIAA with the recommendation to grant Environmental Clearance for establishment of the Group Housing Project namely "The Medallion Aurum" at Sector 67, Mohali, Distt. SAS Nagar, Punjab, subject to the following standard & special conditions: -

1. The Project Proponent shall not give possession to the flat owners until the outlet of the project sewer is connected with the GMADA sewer.

Statutory compliances:

- i) The project proponent shall obtain all necessary clearances/ permissions from all relevant agencies including the town planning authority before commencement of work. All the construction shall be done in accordance with the local building bye laws.
- ii) The approval of the Competent Authority shall be obtained for the structural safety of buildings due to earthquakes, adequacy of firefighting equipment, etc. as per the National Building Code including protection measures from lightning, etc.
- iii) The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purposes is involved in the project.
- iv) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- v) The project proponent shall obtain Consent to Establish / Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Punjab Pollution Control Board.
- vi) The project proponent shall obtain the necessary permission for the abstraction of groundwater/ surface water required for the project from the competent authority.
- vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.

- viii) All other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire Department, and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix) The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, Construction & Demolition Waste Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x) The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
- xi) The project site shall conform to the suitability as prescribed under the provisions laid down under the master plan of the respective city/ town. For that, the project proponent shall submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whose jurisdiction, the site falls.
- xii) Besides the above, the project proponent shall also comply with siting criteria/guidelines, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such types of projects.
- xiii) The project proponent shall construct the buildings as per the layout plan approved from the Competent Authority and in consonance of the project proposal for which this environment clearance is being granted.

I. Air quality monitoring and preservation

- i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii) A management plan shall be drawn up and implemented to contain the current exceedance in the ambient air quality at the site.
- iii) The project proponent shall install a system to undertake Ambient Air Quality monitoring for common /criterion parameters relevant to the main pollutants released (e.g., PM10 and PM2.5) covering upwind and downwind directions during the construction period.
- iv) Diesel power generating sets proposed as a source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel would be the preferred option. The location of the DG sets may be decided in consultation with Punjab Pollution Control Board.
- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke and other air pollution prevention measures shall be provided for the building

as well as the site. These measures shall include screens for the building under construction, and continuous dust/ wind-breaking walls all around the site (at least 3 m height or 1/3rd of the building height and maximum up to 10 m). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

- vi) No Excavation of soil shall be carried out without adequate dust mitigation measures in place.
- vii) No loose soil or sand or construction and demolition waste or any other construction material that causes dust shall be left uncovered.
- viii) No uncovered vehicles carrying construction material and waste shall be permitted.
- ix) All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
- x) Grinding and cutting of building material in open areas shall be prohibited. A wet jet shall be provided for grinding and stone cutting.
- xi) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- xii) All construction and demolition debris shall be stored at the site within the earmarked area and roadside storage of construction material and waste shall be prohibited. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- xiii) The diesel generator sets to be used during the construction phase shall be low sulphur diesel type and shall conform to the norms and regulations prescribed under air and noise emission standards.
- xiv) The gaseous emissions from the DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xv) For indoor air quality, the ventilation provisions as per the National Building Code of India shall be complied with.
- xvi) Roads leading to or at the construction site must be paved and blacktopped (i.e., metallic roads should be built and used).
- xvii) Dust Mitigation measures shall be displayed prominently at the construction site for easy public viewing.
- xviii) Construction and Demolition Waste Processing and Disposal site shall be identified and required dust mitigation measures will be notified at the site

II. Water quality monitoring and preservation

- i) The natural drainage system should be maintained for ensuring unrestricted flow of water.
- ii) No construction shall be allowed which obstructs the natural drainage through the site, in wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rainwater.
- iii) Buildings shall be designed to follow the natural topography as far as possible. Minimum cutting and filling should be done.
- iv) The total freshwater use shall not exceed the proposed requirement as mentioned in the application proposal.
- v) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes.
- vi) During the construction phase, the project proponent shall ensure that the wastewater generated from the labour quarters/toilets shall be treated and disposed of in an environment-friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately designed septic tanks for the treatment of such wastewater and treated effluents shall be utilized for green area/plantation.
- vii) The project proponent shall ensure a safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.
- viii) The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC and SEIAA along with six-monthly monitoring reports.
- ix) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration, and the balance of water available. This should be specified separately for groundwater and surface water sources, ensuring that there is no impact on other users.
- x) At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape, etc. would be considered as pervious surface.
- xi) Dual pipe plumbing shall be installed for supplying fresh water for drinking, cooking and bathing, etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, air conditioning etc.

- xii) Installation of R.O. plants in the project will be discouraged in order to reduce water wastage in form of RO reject. However, in case the requirement of installing RO plant is unavoidable, the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component or in a common place in the project premises.
- xiii) The project proponent shall also adopt the new/innovative technologies like low water discharging taps (faucet with aerators) /urinals with electronic sensor system /waterless urinals/twin flush cisterns/ sensor-based alarm system for overhead water storage tanks and make them a part of the environmental management plans/building plans so as to reduce the water consumption/groundwater abstraction.
- xiv) The project proponent will provide plumbing system for reuse of treated wastewater for flushing/other purposes etc. and will colour code the different pipelines carrying water/wastewater from different sources / treated wastewater as follows:

Sr. No	Nature of the Stream	Color code
a)	Fresh water	Blue
b)	Untreated wastewater from Toilets/ urinal and from Kitchen	Black
c)	Untreated wastewater from Bathing/shower area, hand washing (Washbasin / sinks) and from Cloth Washing	Grey
d)	Reject water streams from RO plants and AC condensate (this is to be implemented wherever centralized AC system and common RO has been proposed in the Project). Further, in case of individual houses/establishment this proposal may also be implemented wherever possible.	White
e)	Treated wastewater (for reuse only for plantation purposes) from the STP treating black water	Green
f)	Treated wastewater (for reuse for flushing purposes or any other activity except plantation) from the STP treating greywater	Green with strips
g)	Stormwater	Orange

- xv) Water demand during construction should be reduced by the use of pre-mixed concrete, curing agents, and adopting other best practices.
- xvi) The CGWA provisions on rainwater harvesting should be followed. A rainwater harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of the plot area and a storage capacity of a minimum of one day of the total freshwater requirement shall be provided. In areas where groundwater recharge is not feasible, the rainwater should be harvested and stored for reuse. The groundwater shall not be withdrawn without approval from the Competent Authority.
- xvii) All recharge should be limited to shallow aquifers.

- xviii) No groundwater shall be used during the construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and should be available at the site.
- xix) Any groundwater dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any groundwater abstraction or dewatering.
- xx) The quantity of freshwater usage, water recycling, and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC, and SEIAA along with six-monthly Monitoring reports.
- xxi) Sewage shall be treated in the STP with tertiary treatment by providing ultra-filtration Technology. STP shall be installed in a phased manner viz a viz in the module system designed in such a way so as to efficiently treat the wastewater with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing and gardening. No treated water shall be disposed of into the municipal stormwater drain.
- xxii) No sewage or untreated effluent would be discharged through stormwater drains. Onsite sewage treatment with a capacity to treat 100% wastewater will be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry / SEIAA before the project is commissioned for operation. Treated wastewater shall be reused on-site for landscape, flushing, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by the Ministry of Environment, Forest, and Climate Change. Natural treatment systems shall be promoted.
- xxiii) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxiv) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed of as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

III. Noise monitoring and prevention

- i) Ambient noise levels shall conform to the commercial area both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during the construction phase. Adequate measures shall be made to reduce noise levels during the construction phase, so as to conform to the stipulated standards by CPCB/SPCB.
- ii) A noise level survey shall be carried out as per the prescribed guidelines and a report in this regard shall be submitted to the Regional Officer of the Ministry as a part of a six-monthly compliance report.

- iii) Acoustic enclosures for DG sets, noise barriers for ground-run bays, earplugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

IV. Energy Conservation measures

- i) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
- ii) Outdoor and common area lighting shall be LED.
- iii) Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased daylighting design and thermal mass, etc. shall be incorporated in the building design. Wall, window, and roof U-values shall be as per ECBC specifications.
- iv) Energy conservation measures like the installation of LEDs for lighting the area outside the building should be an integral part of the project design and should be in place before project commissioning.
- v) Solar, wind, or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- vi) At least 30% of the rooftop area shall be used for generating Solar power for lighting in the apartments so as to reduce the power load on the grid. A separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher.

V. Waste Management

- i) A certificate from the competent authority handling municipal solid waste, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from the project shall be obtained.
- ii) The Project Proponent shall install Mechanical Composter of adequate capacity to treat wet component of the Solid Waste.
- iii) Disposal of muck during the construction phase should not create any adverse effect on the neighbouring communities and should be safely disposed of taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of the competent authority.
- iv) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating the segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.

- v) Organic waste compost/ Vermiculture pit/ Organic Waste Converter/Mechanical Composter within the premises must be installed for treatment and disposal of the solid waste.
- vi) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie-up must be done with the authorized recyclers.
- vii) Any hazardous waste generated during the construction phase, shall be disposed of as per applicable rules and norms with the necessary approvals of the State Pollution Control Board.
- viii) Use of environment-friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environmentally friendly materials.
- ix) Fly ash should be used as a building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready-mixed concrete must be used in building construction.
- x) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- xi) Used CFLs and TFLs should be properly collected and disposed of or sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

VI. Green Cover

- i) No naturally growing tree should be felled/transplanted unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department.
- ii) At least a single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. The project proponent shall ensure the planting of trees in the project area at the identified location, as the per proposal submitted, with plants of native species preferably having broad leaves. The size of the plant thus planted should not be less than 6 ft and each plant shall be protected with a fence and properly maintained. The project proponent shall make adequate provisions of funds to ensure maintenance of the plants for a further period of three years and thereafter, protected throughout the entire lifetime of the Project. The species with heavy foliage, broad leaves, and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The plantation should be undertaken as per SEIAA guidelines.
- iii) The Project Proponent shall develop a green belt with native tree species (having canopy type structure and especially trees, and not grass) before the completion of

the project. The greenbelt shall inter alia cover the entire periphery of the unit provided that the number of trees to be planted should not be less than one tree per 80 sqm of the total land area. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.

- iv) Where the trees need to be cut with prior permission from the concerned local Authority, a compensatory plantation in the ratio of 1: 10 (i.e. planting of 10 saplings of the same species for every tree that is cut) shall be done and the newly planted saplings will be maintained for at least 5 years. Green belt development shall be undertaken as per the details provided in the project document.
- v) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during the plantation of the proposed vegetation on site.
- vi) The project proponent shall not use any chemical fertilizer /pesticides /insecticides and shall use only Herbal pesticides/insecticides and organic manure in the green area.
- vii) The green belt along the periphery of the plot shall achieve an attenuation factor conforming to the day and night noise standards prescribed for commercial land use.
- viii) The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.

VII. Transport

- i) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b) Traffic calming measures.
 - c) Proper design of entry and exit points.
 - d) Parking norms as per local regulations.
- ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a valid pollution check certificate, conform to applicable air and noise emission standards, and should be operated only during non-peak hours.
- iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 km radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on the cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies within this 05 Kms radius of the site in different scenarios of space and time

and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

- iv) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.

VIII. Human health issues

- i) All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris, or working in any area with dust pollution shall be provided with dust masks.
- ii) For indoor air quality, the ventilation provisions as per the National Building Code of India should be followed.
- iii) An emergency preparedness plan based on the Hazard Identification and Risk Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, and medical health care, creche, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv) Occupational health surveillance of the workers shall be done regularly.
- v) A First Aid Room shall be provided in the project both during construction and operations of the project.

IX. Environment Management Plan

- i) The company shall have a well-laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violations of the environmental / forest/wildlife norms/conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stakeholders. A copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of the six-monthly report.
- ii) A separate Environmental Cell both at the project and company headquarters level, with qualified personnel shall be set up under the control of senior Executive, who will report directly to the head of the organization.
- (i) An action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority.

X. Validity

This environmental clearance will be valid for a period of ten years from the date of its issue as per MoEF & CC, GoI notification No. S.O. 1807 (E) dated 12.04.2022 or till the completion of the project, whichever is earlier.

XI. Miscellaneous

- i) The project proponent shall obtain a completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab before allowing any occupancy.
- ii) The project proponent shall comply with the conditions of CLU, if obtained.
- iii) 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 within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.
- iv) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn have to publicly display the same for 30 days from the date of receipt.
- v) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on a half-yearly basis.
- vi) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at the Environment Clearance portal and submit a copy of the same to SEIAA.
- vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put the same on the website of the company.
- viii) The project proponent shall inform the Regional Office as well as SEIAA Punjab, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitments made during public hearing and also those made to SEIAA / SEAC during their presentation.
- xi) No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or

alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

- xii) The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/ SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/information/monitoring reports.
- xiii) This Environmental Clearance is granted subject to final outcome of pending related cases in the Hon'ble Supreme Court of India, Hon'ble High Courts, Hon'ble NGT and any other Court of Law as may be applicable to this project.

XII. Additional Conditions

- i) The approval is based on the conceptual plan/drawings submitted with the application. In case, there is variation in built-up area/green area/ any other details in the drawings approved by the competent authority, the Project Proponent shall obtain the revised Environmental Clearance.
- ii) The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets, etc. are not disturbed so that the natural flow of rainwater, etc is not impeded or disrupted in any manner.
- iii) Authorization from Punjab Pollution Control Board shall be obtained as applicable under the Bio-Medical Waste Management Rules 2016 as amended from time to time.
- iv) The solid waste other than Bio-Medical Waste & Hazardous Waste (dry as well as wet garbage) generated should be properly collected and segregated before disposal to Municipal Authorities in accordance with the Municipal Solid Waste (Management & Handling) Rules, 2000. No municipal waste should be disposed off outside the premises in contravention of relevant rules and by-laws. Adequate measures should be taken to prevent any malodour in and around the Project premises.
- v) In the event that the project proponent decides to abandon/close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC conditions till such time as the project is finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.
- vi) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with condition (v) above.

- vii) Concealing factual data or submission of false/fabricated data may result in revocation of this Environmental Clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- viii) The Project Proponent shall manage the solid waste generated from the project as per the sub-rule-7 of rule-4 of SWM Rules 2016.
- ix) The Ministry reserves the right to stipulate additional conditions if found necessary. The Promoter Company in a time bound manner shall implement these conditions.
- x) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and other wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.
- xi) Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Item No. 246.03: Application for Environment Clearance for Proposed Greenfield project for manufacturing of Manmade fiber at Plot No. A-1, Industrial Park Wazirabad, Tehsil & District: Fatehgarh Sahib, Punjab by M/s Sanathan Polycot Private Limited. (SIA/PB/IND2/415253/2023).

The industry was granted Terms of References (TOR) vide letter number SEIAA/MS/2022/347 dated 28.07.2022 for carrying out EIA study for production of “Polyester, cotton & other yarns and textiles” at Plot No. A-1, Industrial Park Wazirabad, Tehsil & District: Fatehgarh Sahib, Punjab.

The industry has submitted EIA report after incorporating the compliance of the Terms of Reference issued as above. The industry has applied for obtaining Environmental Clearance under EIA notification dated 14.09.2006. The project is covered under category 5(d) of the schedule appended with the EIA notification dated 14.09.2006.

The total cost of the project is Rs 1600 Crores. The industry has deposited 25% of the fee, which comes out to be Rs. 40,00,000/- vide NEFT no.- HDFCR52022062477627818 dated 24.06.2022 and remaining 75% of fee i.e. Rs. 1,20,00,000/- vide UTR No. RTGS-BARBR52023040300923231-186 dated 03.04.2023. The adequacy of the fee has been verified by the supporting staff SEIAA.

Punjab Pollution Control Board vide letter No. 1319 dated 26.04.2023 sent the construction status report of the project as under:

“It is intimated that the site of the industry was visited by the AEE of Regional Office, Fatehgarh Sahib on 15.03.2022 and the point wise comments are as under:

Sr. No.	Information Sought	Comments of the Board
1.	Construction status of the proposed project.	The industry has not started any construction activity regarding proposed project under EIA notification, 2006.
2.	Status of physical structures within 500m radius of the site including the status of industries, drain, river, eco-sensitive structure if any.	The following industries falls within the radius of 500m from the site of the industry: 1. M/s Natural Casting, Vill.- Mullanpur Kalan, GT road, Sirhind side, Mandi Gobindgarh. 2. M/s Parvati Ceramics, Vill. Wazir Nagar, Mandi Gobindgarh 3. M/s Aggarwal Ceramics, Vill. Mullanpur Ambey Majra, Mandi Gobindgarh 4. M/s Pushpanjali Strips, Vill.- Mullanpur Kalan, GT road, Sirhind side, Mandi Gobindgarh 5. M/s Salasar Castings, Vill.- Mullanpur Kalan, GT road, Sirhind side, Mandi Gobindgarh

		<p>6. M/s Eden Steel alloys, Vill.- Mullanpur Kalan, Ambey Majra road, near power grid, Mandi Gobindgarh</p> <p>7. M/s Satpal Strips (P) Ltd., Vill. Wazirnagar, P.O. Mullanpur Kalan, Mandi Gobindgarh</p> <p>8. M/s Chandigarh Castings Pvt. Ltd., Ambey Majra, G.T. road, Mandi Gobindgarh</p> <p>9. M/s Bhawani Castings (P) Ltd., Vill. Ambey Majra, Mandi Gobindgarh</p> <p>10. M/s Vardhman Adarsh Ispat (P) Ltd., Vill. Ambey Majra, near 220KVA Grid, Mandi Gobindgarh</p> <p>11. M/s Jagat Metals (P) Ltd., Vill. Ambey Majra, near 220KVA power station, Mandi Gobindgarh, Fatehgarh Sahib</p> <p>12. M/s Akshat alloys (Keshav alloys Pvt. Ltd.) Sirhind side, Vill. Ambey Majra, Mandi Gobindgarh</p> <p>13. M/s Kanha Concast, Vill. Ambey Majra, Chattarpura road, Mandi Gobindgarh</p> <p>14. M/s Bassi Alloys (P) Ltd., Vill. Ambey Majra, Mandi Gobindgarh, Fatehgarh Sahib</p> <p>15. M/s Mata Alloys Pvt. Ltd. (Punia Alloys), Vil. Wazirabad, Ambey Majra road, Mandi Gobindgarh</p> <p>16. M/s JMK Industries, Village- Wazirabad, Sirhind, Fatehgarh Sahib</p> <p>Also, Sirhind Choe (which ultimately meets river Ghaggar) is passing through the centre of proposed site. There is no eco sensitive structure is situated within 500mtr radius of the site of the industry.</p>
3.	Whether the site is meeting the prescribed criteria for setting up of such type of projects.	The industry has obtained Allotment letter of industrial plot no. A-1, Industrial park Wazirabad, Tehsil & District- Fatehgarh Sahib, Punjab issued by PSIEC Chandigarh vide no. 4905 dated 10/05/2022. As per the letter, the area measuring 387200 sq. yard has been allotted to the industry on 99 years lease hold basis (renewable for another 99 years) for manufacture of Polyester Yars. The proposed site falls in Industrial Use zone of Notified Master plan, Gobindgarh.

Deliberations during 246th meeting of SEAC held on 02.05.2023.

The meeting was attended by the following:

- (i) Sh. Kaushik Mody, Authorized Signatory M/s Sanathan Polycot Private Limited
- (ii) Mr. Rajiv Garg, Environmental Consultant M/s Precitech Laboratories 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:

Sr. No.	Description	Details
1	Basic Details	
1.1	Name of Project & Project Proponent:	M/s Sanathan Polycot Private Limited Kaushik Mody Authorised Signatory
1.2	Proposal:	Proposed Greenfield project for Manufacturing of Manmade Fiber (Total Capacity: 589000 TPA)
1.3	Location of Industry:	Plot No. A-1, Industrial Park Wazirabad, Tehsil & District- Fatehgarh Sahib, State: Punjab
1.4	Details of Land area & Built up area:	The total land area is 323340 sqm.
1.5	Category under EIA notification dated 14.09.2006	5(d)
1.6	Cost of the project	Rs 1600 Cr.
1.7	Compliance of Public Hearing Proceedings	Not applicable as the project site is located in notified industrial area of PSIEC (State Govt. undertaking)
2.	Site Suitability Characteristics	
2.1	Whether site of the industry is suitable as per the provisions of Master Plan:	The site of industry falls in the industrial area as per the Master Plan of Mandi Gobindgarh. The Industrial Park is being developed by PSIEC (State Govt. undertaking. A copy of the allotment letter issued by PSIEC vide No. PSIEC/Estate/4905 dated 10.05.2022 for the allotment of industrial plot No. A-1, Industrial Park Wazirabad in the name of M/s Sanathan Polycot Pvt Ltd. submitted.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	Allotment Letter/ Possession Letter from PSIEC submitted.
3	Forest, Wildlife and Green Area	
3.1	Whether the industry required clearance under the provisions of Forest	Not Applicable.

	Conservation Act 1980 or not:				
3.2	Whether the industry required clearance under the provisions of Punjab Land Preservation Act (PLPA) 1900:	Not Applicable.			
3.3	Whether industry required clearance under the provisions of Wildlife Protection Act 1972 or not:	Not Applicable.			
3.5	Whether the industry falls within the influence of Eco-Sensitive Zone or not. (Specify the distance from the nearest Eco sensitive zone)	None within 10 Km			
3.6	Green area requirement and proposed No. of trees:	33% (106752 sqm) of total area i.e. 323340sqm will be maintained as greenbelt as per MoEF&CC stipulated norms will be developed as the green belt. A total of 16005 trees needs be planted.			
4.	Products, Raw Material and Machinery details:				
	PRODUCTS				
	S.No.	Product	Production quantity in MT/Annum	End use of the products	Mode of transport
	1.	Partially Oriented Yarn (POY)/ Fully Drawn Yarn (FDY) and Textile Grade Polyester Chips/Granules	340000	In textile Industries	By Rail / By Road
	2.	Polyester Texturised Yarn/ Draw Texturised Yarn/ Air Texturised yarn/ Polyester Twisted Yarn Spandex Yarn	240000	In textile Industries	By Rail / By Road
	3.	Winding of Yarn/ Heat Setting of Yarn/ Circular Knitting/Warping/ Warp Knitting.	9000	In textile Industries	By Rail / By Road

Total		589000		

RAW MATERIALS					
S. No.	Name of products	Name of raw materials	CAS no. of raw materials	Quantity	
				(MT/MT)	(MT/Annum)
1.	Partially Oriented Yarn (POY)/ Fully Drawn Yarn (FDY) and Textile Grade Polyester Chips/Granules.	Purified Terephthalic Acid	100-21-0	0.858	300000
		Mono Ethylene glycol	107-21-1	0.334	117000
		Antimony trioxide	1309-64-4	0.003	1050
		Titanium Dioxide	13463-67-7	0.03	10500
		Spin Finish oil	--	0.08	28000
		Barium Sulphate	7727-43-7	0.001	350
		Modifier (Pentaerythritol)	115-17-5	0.00007	24
2.	Polyester Texturised Yarn/ Draw Texturised Yarn/ Air Texturised yarn/ Polyester Twisted Yarn Spandex Yarn	Filament Yarn POY	--	1	240000
		Conning oil	--	0.04	960
3.	Winding of Yarn/ Heat Setting of Yarn/ Circular Knitting/ Warping/ Warp Knitting.	Filament Yarn FDY	--	1	9000

LIST OF EQUIPMENT /MECHINERIES		
Name of equipment/ machineries		Quantity (Nos.)
Polymerisation Section		
1.	Esterification Reactor-I Vertical jacket type	1
2.	Esterification Reactor-II Vertical jacket type	1
3.	Esterification Reactor-III Vertical jacket type	1

	4.	Pre-Polycondensation Reactor Vertical Jacket type	1
	5.	Pre-Polycondensation Reactor Vertical Jacket type	1
	6.	Final Polycondensation Reactor Horizontal jacket type	1
	7.	Final Polycondensation Reactor Horizontal jacket type	1
	8.	Column Top Air-Condenser with tube bundles	1
	9.	Process Column	1
	10.	PTA Chain-Style Conveyor	2
	Yarn Spinning Section		
	11.	POY Spinning Machine	10
	12.	HD POY Spinning Machine	1
	13.	FDY Spinning Machine	5
	14.	Polymer transfer Line	3
	15.	AHU Quench	15
	16.	AHU Take Up	6
	Yarn Processing Section		
	17.	Texturizing Machine	69
	18.	Warp Knitting Machine	25
	19.	Direct Warping machine	10
	20.	AHU Comfort	2
	21.	Automatic product handling system for POY, FDY & DTY	3
	Utility Section		
	22.	Steam Boiler	1
	23.	Solid fuel fired thermic fluid heater	2
	24.	Liquid/ Gas fuel fired thermic fluid heater	1
	25.	DG Set	4
	26.	Colling tower	4
	27.	ETP	1
	28.	MEE	1
	29.	RO	1
	30.	Chiller	7
	31.	N2 plant	1
4.1	Population details	Manpower – 2900	
5	Water		
5.1	Total water requirement:	2955 KLD	
5.2	Source:	Canal Water	
5.3	Whether Permission obtained for abstraction/supply of the fresh water	Not submitted	

	from the Competent Authority (Y/N) Details thereof					
5.4	Sr. No	Description	Source	Proposed water demand (KLD)	Applied/ Permission granted	
	1.	Domestic water demand	Canal Water	130	PSIEC has already obtained permission from Department of Water Resources Punjab for raw water supply. As per plot allotment condition PSIEC will provide fresh water for the proposed project.	
	2.	Industrial process water demand	Canal Water	155		
	3.	Make up water demand for cooling purpose	Canal Water + Recycle	2400		
	4	Green area water demand	Recycle	270		
	Total		--	2955		
	Recycle		--	705		
	Total Fresh		--	2200		
5.5	Details of water requirement, wastewater generation & treated wastewater utilization	Submitted				
5.6	Rain water harvesting proposal:	Proponent has planned to intake ground water as standby provision during construction phase and any emergency conditions during the regular operational phase of the project in case of non-availability of canal water. The quantity of ground water withdrawal will be approx. 95 KLD. Since, usually the groundwater recharge structure is not permitted in the industrial premises by the PPCB, the proponent will carry out required rainwater harvesting (400% of the abstraction rate) in nearby village pond.				
6	Air					
6.1	Details of Air Polluting Machinery and APCDs installed:					
	PROCESS EMISSIONS					

Section		Emission Details		Remarks		
Stripping Column		EG Acetaldehyde/ methyl dioxolane – 1,4 Dioxane		Off gases are to be burnt in TFH.		
Immersion vessels Glycol Ejector		Acetaldehyde, EG				
FUGITIVE EMISSIONS						
Sr. No.	Source	Probable pollutant parameter	Control measures			
1.	Coal Handling	PM	<ul style="list-style-type: none"> • Transportation of Coal will be carried out through covered trucks. • Closed system will be provided for the handling of coal. • Coal crushing will be carried out in closed building. • Dust extraction system will also be provided in crushing area. • Loading/ unloading to be done through closed hoppers. • Water sprinkling arrangement will be in place to reduce fugitive particulate emission from the coal & ash storage area. • All transfer points will be enclosed wherever possible. • Regular cleaning/ sweeping will be carried out at the coal/ ash handling areas 			
2.	Fly ash handling	PM	<ul style="list-style-type: none"> • Fly ash will be handled through closed system. • Storage of ash in silos. 			
UTILITY EMISSIONS						
Stack No.	Source of emission with Capacity	APCD Capacity (Nm ³ /hr.)	Type of APCD	Chimney Height (m)	Air Pollution Control Measures	Pollutant Parameters
FG1	TFH – 2 Nos. (14 million k.Cal/hr)	H: 44 m Dia.: 1.9 m	Rice Husk/Biomass OR Rice Husk/Biomass + Coal	5.75 T/hr. (each) OR 4.5 T/hr (each) + 1.25 T/hr (each)	Multi Cyclone + Bag filter	PM, SO ₂ NO ₂ , CO

	FG2	TFH – 1 Nos. (13 million k. Cal/hr)	H: 30 m Dia.: 1.6 m	Natural Gas OR LDO	1540 SCM/hr OR 1.665 kL/hr.	Adequate stack Height	
	FG3	Boiler – 1 No. (5 TPH)	H: 17 m Dia.:1 m	Rice Husk/Biomass	1.11 T/hr.	Multi Cyclone + Bag filter	
	FG4	DG Set- 2 MW	H: 30 m Dia.: 0.5 m For Each DG set	HSD in each DG Set. All DG sets are stand by	320 L/hr in each DG Set.	Adequate stack Height	
	FG5	DG Set- 2 MW					
	FG6	DG Set- 2 MW					
	FG7	DG Set- 2 MW					
7	Waste Management						
7.1	Total quantity of solid waste generation		Solid Waste				
			S.No.	Details	Unit	Quantity	Disposal
			1.	Domestic Solid Waste	Kg/Day	300	As per MSW rules 2016
			2.	Boiler Ash	TPD	55	Brick Manufacturer or land filling in low Lying Area
7.2	Details of management of Hazardous Waste.						
	Sr. No.	Type/ Name of waste	Source of generation	Cat. as per HW Rules	Quantity	Management of HW	
	Hazardous Waste						
	1	Used Oil	Maintenance, Utility	5.1	30 T/annum	Collection, Storage, Transportation, Reuse/ Sale to authorized recycler	
	2	Discarded drums& Barrels	Raw material storage	33.3	25000 Nos/annum		
	3	Discarded Bags/ Liners	Raw material storage	33.3	130000 Nos/annum		
	4	ETP Sludge	ETP	35.3	375 T/annum	Collection, Storage, Transportation,	
	5	MEE Salt	MEE	35.3	375 T/annum		

	6	Oil Socked Cotton	Maintenance, Housekeeping	33.2	2 T/annum	Disposal at TSDF site.
Non-Hazardous Waste						
	1	Fly Ash	Fuel Burning in utility	--	19500 T/annum	Sold to brick/ FA Block/ cement manufacturers/ Disposal to low lying area
	2	STP Sludge	STP	--	9 T/annum	To be used as Manure
	3	Process waste/ Yarn waste/ Lumps etc.	Process	--	250 T/annum	To be sold out to Actual Users
8	Energy Saving & EMP					
8.1	Power Consumption:	Power Load- 30 MW Source - Punjab State Power Corporation Limited, Punjab				
8.2	Energy saving measures:	Roof top Solar system and Solar streetlight to be provided.				
9.	CER Activities					
<p>The management has decided to allocate Rs.16 Cr. for CER activities. CER activities to be carried out in next 7 years after the commissioning of the proposed project. The details of CER activities to be carried out is explained in below table.</p>						
	Sr. no	Activities to be carried out		Annual Fund Rs. In lakhs	Timeline	Total Fund allocation Rs. In lakhs
	1	Development of Mini Forests (Nanak Bagichi), Mayabanki Forest and Plantations in public / community areas.		25.00	7 years	175.00
	2	Rejuvenation of Village Ponds and development of infrastructure for use of treated wastewater of STPs in the study area.		70.00	7 years	490.00
	3	Solid waste management in nearby villages (Vermi-composting) / installation of mechanical composter.		15.00	7 years	105.00
	4	Provision of solar panels in the Government schools, hospitals and Dispensaries etc.		40.00	7 years	280.00
	5	Activities regarding alternatives to Single Use Plastic.		5.00	7 years	35.00

6	Activities prescribed in the District Environment Plan (DEP) in which gaps exist and which are not the statutory responsibility of Government Departments/ Agencies.	20.00	7 years	140.00
7	Activities for proper management of stubble to reduce stubble burning.	20.00	7 years	140.00
8	Providing uniforms, books, etc. to needy students and repairing of Primary School building in surrounding Villages.	5.00	7 years	35.00
9	Miscellaneous activities.	30.00	7 years	210.00
Total CER budget for next 7 Years				1610 Lakhs

10. EMP BUDGET

Sr. No	Unit	Detail	Capital Cost (Rs. In Crores)	Recurring Cost (Rs. In Crores /Annum)
1	Water and wastewater	Capital & recurring cost of ETP / RO / MEE & STP.	6.50	4.500
2	Air Environment	Capital and recurring Cost of Stack & APCM (Bag-filters, Multi cyclone separators) installation and operation. Maintenance.	1.20	0.300
3	Noise Control	Capital cost for noise reducing system like acoustic enclosure etc and recurring cost of regular lubrication and maintenance of noise generating equipment and machineries.	0.25	0.200
4	Hazardous Waste Management	Cost for Hazardous waste storage area Membership of TSDF.	0.30	0.125
		Hazardous/non-hazardous waste disposal charges	--	0.200
5	Fire & Safety	Capital and recurring cost Fire hydrant system & Extinguisher installation/ operation/ Maintenance and regular safety training	4.20	0.500
		DCS based Process Automation System	2.00	0.400
6	AWH Monitoring	Environmental monitoring for ambient air, Stack air, workplace air, Noise level and water & wastewater etc.	--	0.400

7	Green Belt Development	Greenbelt development within premises	2.10	0.500
8	Occupational Health	Cost of OHC, provision of First-aid box, PPEs & Periodical medical examination	0.70	0.450
9	Rainwater Harvesting	Capital cost for rainwater harvesting & recurring Cost of Cleaning & Maintenance of facilities for rainwater harvesting	0.50	0.025
Total			17.75	7.600

During meeting, the Committee perused the green area plan submitted by the industry and observed that the Project Proponent has not provided the pocket wise area details of the green area proposed to be developed within the industrial premises. The industry agreed to provide the same.

The Committee further perused the water balance and observed that the industry has indicated the evaporation loss of about 2100 KLD against 2400 KLD input water in the cooling tower which seems to be on the higher side and needs to be checked & justified with calculations. The industry agreed to the same.

The Committee further observed that the Project Proponent has proposed to utilize rice husk/biomass & coal and Natural gas/LDO as fuel in the thermic fluid heaters. The Committee suggested that coal and LDO can be used as fuel only in the case of non-availability of rice husk/biomass & natural gas. The Committee asked the Project Proponent to submit an undertaking in this regard.

The Committee further observed that the industry has proposed CER activities amounting to Rs. 16 Crore @ 1% of the total project cost. The industry apprised the Committee that as per the OM dated 1.05.2018 issued by MoEF&CC, GoI, the industry with capital investment of more than 1000 crore to 10000 crore, the fund allocation for the CER activities for green field projects shall be 0.5 % of the capital investment. Therefore, the fund allocation for CER activities may be reduced from 1% to 0.5%, as the capital investment in the proposed project is 1600 crore. The Committee agreed to the same and asked the industry to allocate funds @ 0.5% of the total project cost under Additional Environmental activities. The Project Proponent agreed to the same.

The Committee observed that the project proponent has not provided the capacity of the APCDs proposed for boiler & thermic fluid heaters. The Project Proponent agreed to provide the same.

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

1. The industry shall submit the revised layout plan with pocket wise details of the green area to be developed at different locations within the project.
2. The industry shall check & submit the detailed calculation justifying the significant evaporation loss from cooling tower.
3. The industry shall submit an undertaking to the effect that the coal and LDO shall be used only in the absence of the other fuel in the Thermic Fluid Heaters and Boilers.

4. The industry shall submit the revised proposal listing out activities for incurring 0.5% of the total project cost under the Additional Environmental Activities.
5. The industry shall submit the details of the air handling capacity of the APCDs proposed to be installed with the thermic fluid heaters and boiler.
6. The industry shall submit the details of the actual users for the disposal of process waste generated @ 250 TPA.
7. The industry has proposed to carryout rain water harvesting in the nearby village pond. The industry shall submit the details of the village along with NOC from Village Panchayat.
8. The industry shall submit an undertaking in the prescribed format regarding non-involvement of the project land in the forest/PLPA area, wildlife area & eco-sensitive zone.
9. The industry shall submit permission for abstraction of ground water from PWRDA.

Item No. 246.04: Application for Environmental Clearance for establishment of Group Housing Project namely “Melody of Life” at Hadbast No. 289, Village Dyalpura, Sub Tehsil Zirakpur, Tehsil Derabassi, Distt. S.A.S Nagar, Punjab by M/s Manglam Infra (SIA/PB/INFRA2/422259/2023)

The project proponent has applied obtaining for Environmental Clearance for establishment of Group Housing Project namely “Melody of Life” at Hadbast No. 289, Village Dyalpura, Sub Tehsil Zirakpur, Tehsil Derabassi, Distt. S.A.S Nagar, Punjab. The total land area of the project is 18,731.34 sqm (4.62 acres) having built up area of 42,775.92 sqm. The project is covered under category 8(a) of the schedule appended with the EIA Notification dated 14.09.2006.

The project proponent has submitted online form and other additional documents through Parivesh Portal. The Project Proponent has deposited Rs. 85,552/- vide UTR no. KKBKH23074765304 dated 15.03.2023, as checked & verified by the supporting staff SEIAA.

The construction status report vide letter No. 2741 dated 21.04.2023 furnished by Punjab Pollution Control Board is as under:

“The project site was visited by officer of the Board on 18.04.2023 and it was observed as under:

- 1. As per the site shown by the representative, no site development work has been started at the site. Barricading has been provided around 2 sides of the site.*
- 2. No MAH industry/cement plant/grinding unit/rice sheller/saila plant/stone crushing/screening cum washing unit/hot mix plant/ brick kiln within a radius of 500m from the boundary of the proposed suite of the project. No air polluting industry is located within 100m of the proposed site. Therefore, the site of the project is conforming to the sitting guidelines laid down by the Govt. of Punjab, Department of Science Technology & Environment vide order dated 25.07.2008 as amended on 30.10.2009.*
- 3. No drain/river/Nallah passing within 500m of the project site.*
- 4. MC has not laid sewer in the area near the project site.*

It is further intimated that the capacity of the existing terminal STP of Zirakpur is already short for the present domestic effluent being generated from the area and more effluent load can't be permitted without the adequate capacity of the terminal STP. Further, the project proponent has not submitted any alternate scheme for the disposal of treated effluent.”

Deliberations during 246th meeting of SEAC held on 02.05.2023.

The meeting was attended by the following:

- (i) Sh. Pavail Garg, Director M/s Manglam Infra
- (ii) Mr. Sandeep Garg, Environmental Consultant M/s Eco Laboratories Pvt Ltd.
- (iii) Mrs. Jyoti Rani, EC-Coordinator M/s Eco Laboratories Pvt Ltd.

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

Sr. No.	Description	Details
1	Basic Details	
1.1	Name of Project & Project Proponent:	Group Housing Project namely "Melody of Life" at Hadbast No. 289, Village Dyalpura, Sub Tehsil Zirakpur, Tehsil Derabassi, Distt. S.A.S Nagar, Punjab by M/s Manglam Infra.
1.2	Proposal:	SIA/PB/INFRA2/422259/2023
1.3	Location of Project:	Hadbast No. 289, Village Dyalpura, Sub Tehsil Zirakpur, Tehsil Derabassi, Distt. S.A.S Nagar, Punjab
1.4	Details of Land area & Built up area:	Total Plot Area = 18,731.34 sq.m. (4.62 acres) Built-up Area = 42,775.92 sq.m.
1.5	Category under EIA notification dated 14.09.2006	The project falls under S.No. 8(a) 'Building & Construction Project' as the built-up area of the project will be 42,775.92 sq.m.
1.6	Cost of the project	Rs. 30.75 Crores
2.	Site Suitability Characteristics	
2.1	Whether project is suitable as per the provisions of Master Plan:	Yes. The project falls in Residential area as per Master Plan of Zirakpur.
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	A copy of the permission letter for Change of land use vide letter No. No. CLU/ADC(UD)/S.A.S.Nagar/2022/3275 dated 26.08.2022 for the plot area of (22402.5 sqyard) 18,731.34 sq.m. (4.62 acres) submitted.
3	Forest, Wildlife and Green Area	
3.1	Whether the project required clearance under the provisions of Forest Conservations Act 1980 or not:	No forest land is involved in the project. An undertaking in the prescribed format submitted.
3.2	Whether the project required clearance under the provisions of Punjab Land Preservation Act (PLPA), 1900.	Project is not covered under PLPA, 1900. An undertaking in the prescribed format submitted.
3.3	Whether project required clearance under the provisions of Wildlife	No. The project does not require clearance under Wildlife Protection Act, 1972. An undertaking in the prescribed format submitted.

	Protection Act 1972 or not:																																				
3.4	Whether the project falls within the influence of Eco-Sensitive Zone or not.	No. The project does not fall within any eco-sensitive zone.																																			
3.6	Green area requirement and proposed No. of trees:	Total green area: 3,032.09 sq.m. Proposed trees to be planted: 536 trees																																			
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5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>	Application for extracting ground water from borewell has been filed to Punjab Water Regulation and Development Authority (PWRDA).																																																
5.8	Utilization/Disposal of excess treated wastewater.	<p>Excess treated wastewater will be disposed of to MC Sewer. A copy of certificate issued by MC, Zirakpur vide No. 305 dated 25.01.2023 is as under:</p> <p><i>“ਤਸਦੀਕ ਕੀਤਾ ਜਾਂਦਾ ਹੈ ਕਿ ਮੈਸ: ਮੰਗਲਮ ਇਨਫਰਾ, ਮੈਲਡੀ ਆਫ ਲਾਇਫ, ਪਿੰਡ ਦਿਆਲਪੁਰਾ, ਜੀਕਰਪੁਰ ਦੇ ਗਰੁੱਪ ਹਾਉਸਿੰਗ ਪ੍ਰੋਜੈਕਟ ਏਰੀਏ ਦੇ ਨਾਲ ਲੱਗਦੇ ਏਰੀਏ ਵਿੱਚ ਨਗਰ ਕੌਂਸਲ, ਜੀਕਰਪੁਰ ਵੱਲੋਂ ਸੀਵਰੇਜ ਦੀ ਸੁਵਿਧਾ ਉਪਲਬਧ ਹੈ ਨਗਰ ਕੌਂਸਲ, ਜੀਕਰਪੁਰ ਦੀ ਹਦੂਦ ਅੰਦਰ ਇੱਕ 17.3 ਐਮ.ਐਲ.ਡੀ. ਦਾ ਐਸ.ਟੀ.ਪੀ. ਪਿੰਡ ਸਿੰਘਪੁਰਾ ਵਿਖੇ ਲੱਗਿਆ ਹੋਇਆ ਹੈ ਜੋ ਕਿ ਚੱਲ ਰਿਹਾ ਹੈ ਅਤੇ ਇੱਕ ਹੋਰ 17.0 ਐਮ.ਐਲ.ਡੀ. ਦਾ ਸੀਵਰੇਜ ਟਰੀਟਮੈਂਟ ਪਲਾਂਟ ਕਿਸ਼ਨਪੁਰਾ ਏਰੀਆ ਲਈ ਸੀਵਰੇਜ ਬੋਰਡ ਵੱਲੋਂ ਲਗਾਇਆ ਜਾ ਰਿਹਾ ਹੈ। ਜਿਸਦਾ ਟੈਂਡਰ</i></p>																																																

		<p>ਸੀਵਰੇਜ ਬੋਰਡ ਵੱਲੋਂ ਆਨੰਦ ਪ੍ਰੋਜੈਕਟਸ ਕੰਪਨੀ ਨੂੰ ਅਲਾਟ ਕੀਤਾ ਜਾ ਚੁੱਕਾ ਹੈ ਜਿਸਦਾ ਕੰਮ ਵੀ ਜਲਦ ਹੀ ਪੂਰਾ ਹੋਣ ਦੀ ਸੰਭਾਵਨਾ ਹੈ ਅਤੇ ਉਕਤ ਪ੍ਰੋਜੈਕਟ ਦੇ ਨਾਲ ਲੱਗਦੇ ਏਰੀਏ ਵਿੱਚ ਸੀਵਰੇਜ ਦੀਆਂ ਲਾਈਨਾਂ ਪਾਉਣ ਉਪਰੰਤ ਅਤੇ ਸਰਕਾਰ ਵੱਲੋਂ ਨਿਰਧਾਰਤ ਸਾਰੇ ਚਾਰਜਿਸ ਨਗਰ ਕੌਂਸਲ, ਜੀਕਰਪੁਰ ਵਿਖੇ ਜਮ੍ਹਾਂ ਕਰਵਾਉਣ ਉਪਰੰਤ ਅਤੇ ਰੂਲਾਂ ਅਨੁਸਾਰ ਨਕਸ਼ਾ ਮੰਨਜ਼ੂਰੀ ਉਪਰੰਤ ਕੰਪਲੀਸ਼ਨ ਤੋਂ ਬਾਅਦ ਫਰਮ ਆਪਣੇ ਕਲੋਨੀ / ਪ੍ਰੋਜੈਕਟ ਅੰਦਰ ਲੱਗੇ 450 ਕੇ.ਐਲ.ਡੀ. ਐਸ.ਟੀ.ਪੀ. (ਜੋ ਕਿ ਪੰਜਾਬ ਪ੍ਰਦੂਸ਼ਣ ਕੰਟਰੋਲ ਬੋਰਡ ਵੱਲੋਂ ਨਿਰਧਾਰਤ ਮਾਪਦੰਡਾਂ ਅਨੁਸਾਰ ਹੋਵੇ) ਤੋਂ ਟਰੀਟਡ ਸੀਵਰੇਜ ਵਾਟਰ ਨਗਰ ਕੌਂਸਲ, ਜੀਕਰਪੁਰ ਵਿਖੇ ਬਣਦੇ ਚਾਰਜਿਸ ਭਰਵਾਉਣ ਉਪਰੰਤ ਹੀ ਉਸ ਸਮੇਂ ਦੀ ਕਪੈਸਟੀ ਮੁਤਾਬਿਕ ਨਗਰ ਕੌਂਸਲ ਦੇ ਮੇਨ ਸੀਵਰ ਨਾਲ ਜੋੜਿਆ ਜਾ ਸਕਦਾ ਹੈ।</p>																		
5.9	Cumulative Details:																			
	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Total water Requirement</th> <th>Total wastewater generated</th> <th>Treated wastewater</th> <th>Flushing water requirement</th> <th>Green area requirement</th> <th>Into sewer</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>145 KLD</td> <td>116 KLD</td> <td>114 KLD</td> <td>49 KLD</td> <td>Summer: 17 KLD Winter: 6 KLD Monsoon: 2 KLD</td> <td>Summer: 48 KLD Winter: 59 KLD Monsoon: 63 KLD</td> </tr> </tbody> </table>	Sr. No.	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area requirement	Into sewer	1.	145 KLD	116 KLD	114 KLD	49 KLD	Summer: 17 KLD Winter: 6 KLD Monsoon: 2 KLD	Summer: 48 KLD Winter: 59 KLD Monsoon: 63 KLD					
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5.10	Rain water harvesting proposal:	5 Rain water recharging have been proposed for artificial rain water recharging within the project premises.																		
6	Air																			
6.1	Details of Air Polluting machinery:	2 DG sets of capacity 750 KVA each.																		
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	445 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	Yes. Biodegradable waste will be converted into manure using 1 Composter of 200 kg. Non-biodegradable waste (recyclable waste) will be disposed off through authorized recycler vendors. Inert waste will be dumped at authorized dumping site.																		

	Material Recovery Facility submitted or not	
7.3	Details of management of Hazardous Waste.	Hazardous Waste in the form of used oil from DG set 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 connected power load for the proposed project will be 2,254 KW. Out of which, maximum power load will be 1,134 KW which will be provided by Punjab State Power Corporation Limited (PSPCL).
8.2	Energy saving measures:	Solar panels have been proposed on the roof top of the towers. The total area covered by solar panels will be 699.417 sq.m. which is @ 30% of terrace area i.e. 2,331.39 sq.m. which will generate 58 KW of power generation. 10.4 KW of energy will be saved by using LEDs instead of CFLs within the project.
8.3	EMP details	Submitted.

During meeting, the Committee observed that Project Proponent has proposed the cost for installation of STP of capacity 135 KLD as Rs. 30 Lac, which seems to be on lower side. The Committee asked the Project Proponent to revise the said cost.

The Committee further asked the Project Proponent to propose the activities under Additional Environmental Activities as part of the EMP. The Project Proponent submitted the following Additional Environmental Activities as part of EMP:

S. No.	Title	Construction Phase		Operation Phase
		Capital Cost (in Lakhs)	Recurring Cost (in Lakhs per Annum)	Recurring Cost (in Lakhs per Annum)
1.	Air Pollution Control (tarpaulin sheets/ barricading, water sprinklers, etc.)	20	0.5	0.5
2.	Water Pollution Control (STP of Capacity 135 KLD based on MBBR technology followed by UF)	50	2	5
3.	Noise Pollution Control (Maintenance of machinery & PPE's)	2	0.5	0.5
4.	Landscaping (536 nos. of trees and green area development)	6	1.5	2
5.	Solid Waste Management (Composter of 200 kg)	10	1.5	3

6.	Rain water Harvesting (5 pits)	8	1	2
7.	Energy Conservation (LED lights in common areas, 58 KW solar panels, etc.)	40	2	2
8.	Miscellaneous (Environment monitoring cost, Management of Environment Cell, etc.)	5	2	2
Total		Rs. 141 Lakhs	Rs. 11 Lakhs	Rs. 17 Lakhs

Additional Environmental Activities:

Sr. No.	Activity	Total Expenditure (In Lakhs)
1.	Adoption of School in Village Chatt for undertaking activities such as provision of solar panel, solar light, LED lights, rain water recharging pit, etc	31
Total amount		Rs. 31 Lakhs

The Committee further asked the Project Proponent to submit an affidavit stating that possession to the flat owners shall not be given until the outlet of the project sewer is connected with the sewer of MC, Zirakpur. The Project Proponent submitted the said affidavit, duly attested by the Notary Public.

After detailed deliberations, the Committee decided to award silver grading to the project and to forward the application to SEIAA with the recommendation to grant Environmental Clearance for establishment of Group Housing Project namely "Melody of Life", Village Dyalpura, Sub Tehsil Zirakpur, Tehsil Derabassi, Distt. S.A.S Nagar, Punjab, subject to the following standard & special conditions: -

1. The Project Proponent shall not give possession to the flat owners until the outlet of the project sewer is connected with the sewer of MC, Zirakpur.

I. Statutory compliances:

- i) The project proponent shall obtain all necessary clearances/ permissions from all relevant agencies including the town planning authority before commencement of work. All the construction shall be done in accordance with the local building bye laws.
- ii) The approval of the Competent Authority shall be obtained for the structural safety of buildings due to earthquakes, adequacy of firefighting equipment, etc. as per the National Building Code including protection measures from lightning, etc.
- iii) The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purposes is involved in the project.
- iv) The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

- v) The project proponent shall obtain Consent to Establish / Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Punjab Pollution Control Board.
- vi) The project proponent shall obtain the necessary permission for the abstraction of groundwater/ surface water required for the project from the competent authority.
- vii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- viii) All other statutory clearances such as the approvals for storage of diesel from the Chief Controller of Explosives, Fire Department, and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
- ix) The provisions of the Solid Waste (Management) Rules, 2016, E-Waste (Management) Rules, 2016, Construction & Demolition Waste Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- x) The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
- xi) The project site shall conform to the suitability as prescribed under the provisions laid down under the master plan of the respective city/ town. For that, the project proponent shall submit the NOC/ land use conformity certificate from Deptt. of Town and Country Planning or other concerned Authority under whose jurisdiction, the site falls.
- xii) Besides the above, the project proponent shall also comply with siting criteria/guidelines, standard operating practices, code of practice, and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such types of projects.
- xiii) The project proponent shall construct the buildings as per the layout plan approved from the Competent Authority and in consonance of the project proposal for which this environment clearance is being granted.

II. Air quality monitoring and preservation

- i) Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
- ii) A management plan shall be drawn up and implemented to contain the current exceedance in the ambient air quality at the site.
- iii) The project proponent shall install a system to undertake Ambient Air Quality monitoring for common /criterion parameters relevant to the main pollutants released (e.g., PM10 and PM2.5) covering upwind and downwind directions during the construction period.

- iv) Diesel power generating sets proposed as a source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel would be the preferred option. The location of the DG sets may be decided in consultation with Punjab Pollution Control Board.
- v) Construction site shall be adequately barricaded before the construction begins. Dust, smoke and other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, and continuous dust/ wind-breaking walls all around the site (at least 3 m height or 1/3rd of the building height and maximum up to 10 m). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
- vi) No Excavation of soil shall be carried out without adequate dust mitigation measures in place.
- vii) No loose soil or sand or construction and demolition waste or any other construction material that causes dust shall be left uncovered.
- viii) No uncovered vehicles carrying construction material and waste shall be permitted.
- ix) All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
- x) Grinding and cutting of building material in open areas shall be prohibited. A wet jet shall be provided for grinding and stone cutting.
- xi) Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- xii) All construction and demolition debris shall be stored at the site within the earmarked area and roadside storage of construction material and waste shall be prohibited. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.
- xiii) The diesel generator sets to be used during the construction phase shall be low sulphur diesel type and shall conform to the norms and regulations prescribed under air and noise emission standards.
- xiv) The gaseous emissions from the DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- xv) For indoor air quality, the ventilation provisions as per the National Building Code of India shall be complied with.

- xvi) Roads leading to or at the construction site must be paved and blacktopped (i.e., metallic roads should be built and used).
- xvii) Dust Mitigation measures shall be displayed prominently at the construction site for easy public viewing.
- xviii) Construction and Demolition Waste Processing and Disposal site shall be identified and required dust mitigation measures will be notified at the site

III. Water quality monitoring and preservation

- i) The natural drainage system should be maintained for ensuring unrestricted flow of water.
- ii) No construction shall be allowed which obstructs the natural drainage through the site, in wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rainwater.
- iii) Buildings shall be designed to follow the natural topography as far as possible. Minimum cutting and filling should be done.
- iv) The total freshwater use shall not exceed the proposed requirement as mentioned in the application proposal.
- v) Storage tank of adequate capacity shall be provided for the storage of treated wastewater and all efforts shall be made to supply the same for construction purposes.
- vi) During the construction phase, the project proponent shall ensure that the wastewater generated from the labour quarters/toilets shall be treated and disposed of in an environment-friendly manner. The project proponent shall also exercise the option of modular bio-toilets or will provide proper and adequately designed septic tanks for the treatment of such wastewater and treated effluents shall be utilized for green area/plantation.
- vii) The project proponent shall ensure a safe drinking water supply to the habitants. Adequate treatment facility for drinking water shall be provided, if required.
- viii) The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC and SEIAA along with six-monthly monitoring reports.
- ix) A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration, and the balance of water available. This should be specified separately for groundwater and surface water sources, ensuring that there is no impact on other users.

- x) At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape, etc. would be considered as pervious surface.
- xi) Dual pipe plumbing shall be installed for supplying fresh water for drinking, cooking and bathing, etc. and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, air conditioning etc.
- xii) Installation of R.O. plants in the project will be discouraged in order to reduce water wastage in form of RO reject. However, in case the requirement of installing RO plant is unavoidable, the rejected stream from the RO shall be separated and shall be utilized by storing the same within the particular component or in a common place in the project premises.
- xiii) The project proponent shall also adopt the new/innovative technologies like low water discharging taps (faucet with aerators) /urinals with electronic sensor system /waterless urinals/twin flush cisterns/ sensor-based alarm system for overhead water storage tanks and make them a part of the environmental management plans/building plans so as to reduce the water consumption/groundwater abstraction.
- xiv) The project proponent will provide plumbing system for reuse of treated wastewater for flushing/other purposes etc. and will colour code the different pipelines carrying water/wastewater from different sources / treated wastewater as follows:

Sr. No	Nature of the Stream	Color code
a)	Fresh water	Blue
b)	Untreated wastewater from Toilets/ urinal and from Kitchen	Black
c)	Untreated wastewater from Bathing/shower area, hand washing (Washbasin / sinks) and from Cloth Washing	Grey
d)	Reject water streams from RO plants and AC condensate (this is to be implemented wherever centralized AC system and common RO has been proposed in the Project). Further, in case of individual houses/establishment this proposal may also be implemented wherever possible.	White
e)	Treated wastewater (for reuse only for plantation purposes) from the STP treating black water	Green
f)	Treated wastewater (for reuse for flushing purposes or any other activity except plantation) from the STP treating greywater	Green with strips
g)	Stormwater	Orange

- xv) Water demand during construction should be reduced by the use of pre-mixed concrete, curing agents, and adopting other best practices.
- xvi) The CGWA provisions on rainwater harvesting should be followed. A rainwater harvesting plan needs to be designed where the recharge bores of minimum one

recharge bore per 5,000 square meters of the plot area and a storage capacity of a minimum of one day of the total freshwater requirement shall be provided. In areas where groundwater recharge is not feasible, the rainwater should be harvested and stored for reuse. The groundwater shall not be withdrawn without approval from the Competent Authority.

- xvii) All recharge should be limited to shallow aquifers.
- xviii) No groundwater shall be used during the construction phase of the project. Only treated sewage/wastewater shall be used. A proper record in this regard should be maintained and should be available at the site.
- xix) Any groundwater dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any groundwater abstraction or dewatering.
- xx) The quantity of freshwater usage, water recycling, and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC, and SEIAA along with six-monthly Monitoring reports.
- xxi) Sewage shall be treated in the STP with tertiary treatment by providing ultra-filtration Technology. STP shall be installed in a phased manner viz a viz in the module system designed in such a way so as to efficiently treat the wastewater with an increase in its quantity due to rise in occupancy. The treated effluent from STP shall be recycled/reused for flushing and gardening. No treated water shall be disposed of into the municipal stormwater drain.
- xxii) No sewage or untreated effluent would be discharged through stormwater drains. Onsite sewage treatment with a capacity to treat 100% wastewater will be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry / SEIAA before the project is commissioned for operation. Treated wastewater shall be reused on-site for landscape, flushing, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by the Ministry of Environment, Forest, and Climate Change. Natural treatment systems shall be promoted.
- xxiii) Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- xxiv) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed of as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

IV. Noise monitoring and prevention

- i) Ambient noise levels shall conform to the commercial area both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution

loads on the ambient air and noise quality shall be closely monitored during the construction phase. Adequate measures shall be made to reduce noise levels during the construction phase, so as to conform to the stipulated standards by CPCB/SPCB.

- ii) A noise level survey shall be carried out as per the prescribed guidelines and a report in this regard shall be submitted to the Regional Officer of the Ministry as a part of a six-monthly compliance report.
- iii) Acoustic enclosures for DG sets, noise barriers for ground-run bays, earplugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

V. Energy Conservation measures

- i) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
- ii) Outdoor and common area lighting shall be LED.
- iii) Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased daylighting design and thermal mass, etc. shall be incorporated in the building design. Wall, window, and roof U-values shall be as per ECBC specifications.
- iv) Energy conservation measures like the installation of LEDs for lighting the area outside the building should be an integral part of the project design and should be in place before project commissioning.
- v) Solar, wind, or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
- vi) At least 30% of the rooftop area shall be used for generating Solar power for lighting in the apartments so as to reduce the power load on the grid. A separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher.

VI. Waste Management

- i) A certificate from the competent authority handling municipal solid waste, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from the project shall be obtained.
- ii) The Project Proponent shall install Mechanical Composter of adequate capacity to treat wet component of the Solid Waste.
- iii) Disposal of muck during the construction phase should not create any adverse effect on the neighbouring communities and should be safely disposed of taking the

necessary precautions for general safety and health aspects of people, only in approved sites with the approval of the competent authority.

- iv) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating the segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
- v) Organic waste compost/ Vermiculture pit/ Organic Waste Converter/Mechanical Composter within the premises must be installed for treatment and disposal of the solid waste.
- vi) All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie-up must be done with the authorized recyclers.
- vii) Any hazardous waste generated during the construction phase, shall be disposed of as per applicable rules and norms with the necessary approvals of the State Pollution Control Board.
- viii) Use of environment-friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environmentally friendly materials.
- ix) Fly ash should be used as a building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready-mixed concrete must be used in building construction.
- x) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- xi) Used CFLs and TFLs should be properly collected and disposed of or sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

VII. Green Cover

- i) No naturally growing tree should be felled/transplanted unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department.
- ii) At least a single line plantation all around the boundary of the project as proposed shall be provided. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous species/variety. The project proponent shall ensure the planting of trees in the project area at the identified location, as the per proposal submitted, with plants of native species preferably having broad leaves. The size of the plant thus planted should not be less than 6 ft and each plant shall be protected with a fence and properly maintained. The project proponent shall make adequate provisions of funds to ensure maintenance of the plants for a further period

of three years and thereafter, protected throughout the entire lifetime of the Project. The species with heavy foliage, broad leaves, and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping. The plantation should be undertaken as per SEIAA guidelines.

- iii) The Project Proponent shall develop a green belt with native tree species (having canopy type structure and especially trees, and not grass) before the completion of the project. The greenbelt shall inter alia cover the entire periphery of the unit provided that the number of trees to be planted should not be less than one tree per 80 sqm of the total land area. The canopy trees shall also be planted around the parking area to provide shade to the parked vehicles.
- iv) Where the trees need to be cut with prior permission from the concerned local Authority, a compensatory plantation in the ratio of 1: 10 (i.e. planting of 10 saplings of the same species for every tree that is cut) shall be done and the newly planted saplings will be maintained for at least 5 years. Green belt development shall be undertaken as per the details provided in the project document.
- v) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during the plantation of the proposed vegetation on site.
- vi) The project proponent shall not use any chemical fertilizer /pesticides /insecticides and shall use only Herbal pesticides/insecticides and organic manure in the green area.
- vii) The green belt along the periphery of the plot shall achieve an attenuation factor conforming to the day and night noise standards prescribed for commercial land use.
- viii) The project proponent shall submit the progress of developing the green belt in the six-monthly compliance report.

VIII. Transport

- i) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
 - a) Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - b) Traffic calming measures.
 - c) Proper design of entry and exit points.
 - d) Parking norms as per local regulations.
- ii) Vehicles hired for bringing construction material to the site should be in good condition and should have a valid pollution check certificate, conform to applicable air and noise emission standards, and should be operated only during non-peak hours.

- iii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 km radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on the cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies within this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
- iv) Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.

IX. Human health issues

- i) All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris, or working in any area with dust pollution shall be provided with dust masks.
- ii) For indoor air quality, the ventilation provisions as per the National Building Code of India should be followed.
- iii) An emergency preparedness plan based on the Hazard Identification and Risk Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, and medical health care, creche, etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv) Occupational health surveillance of the workers shall be done regularly.
- v) A First Aid Room shall be provided in the project both during construction and operations of the project.

X. Environment Management Plan

- i) The company shall have a well-laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violations of the environmental / forest/wildlife norms/conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stakeholders. A copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of the six-monthly report.
- ii) A separate Environmental Cell both at the project and company headquarters level, with qualified personnel shall be set up under the control of senior Executive, who will report directly to the head of the organization.

- (ii) An action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority.

XI. Validity

This environmental clearance will be valid for a period of ten years from the date of its issue as per MoEF & CC, GoI notification No. S.O. 1807 (E) dated 12.04.2022 or till the completion of the project, whichever is earlier.

XII. Miscellaneous

- i) The project proponent shall obtain a completion and occupancy certificate from the Competent Authority and submit a copy of the same to the SEIAA, Punjab before allowing any occupancy.
- ii) The project proponent shall comply with the conditions of CLU, if obtained.
- iii) 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 within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.
- iv) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn have to publicly display the same for 30 days from the date of receipt.
- v) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on a half-yearly basis.
- vi) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at the Environment Clearance portal and submit a copy of the same to SEIAA.
- vii) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put the same on the website of the company.
- viii) The project proponent shall inform the Regional Office as well as SEIAA Punjab, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

- x) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitments made during public hearing and also those made to SEIAA / SEAC during their presentation.
- xi) No further expansion or modifications in the project shall be carried out other than those permitted in this EC without prior approval of SEIAA. In case of deviation or alterations in the project proposal from those submitted to the Ministry/SEIAA for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- xii) The Regional Office, MoEF&CC, Chandigarh, Punjab Pollution Control Board and SEIAA/ SEAC members nominated for the purpose shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) entrusted with this monitoring by furnishing the requisite data/information/monitoring reports.
- xiii) This Environmental Clearance is granted subject to final outcome of pending related cases in the Hon'ble Supreme Court of India, Hon'ble High Courts, Hon'ble NGT and any other Court of Law as may be applicable to this project.

XIII. Additional Conditions

- i) The approval is based on the conceptual plan/drawings submitted with the application. In case, there is variation in built-up area/green area/ any other details in the drawings approved by the competent authority, the Project Proponent shall obtain the revised Environmental Clearance.
- ii) The Project Proponent shall ensure that the natural drainage channels in the project site including streams, drains, choes, creeks, rivulets, etc. are not disturbed so that the natural flow of rainwater, etc is not impeded or disrupted in any manner.
- iii) Authorization from Punjab Pollution Control Board shall be obtained as applicable under the Bio-Medical Waste Management Rules 2016 as amended from time to time.
- iv) The solid waste other than Bio-Medical Waste & Hazardous Waste (dry as well as wet garbage) generated should be properly collected and segregated before disposal to Municipal Authorities in accordance with the Municipal Solid Waste (Management & Handling) Rules, 2000. No municipal waste should be disposed off outside the premises in contravention of relevant rules and by-laws. Adequate measures should be taken to prevent any malodour in and around the Project premises.
- v) In the event that the project proponent decides to abandon/close the Project at any stage, he shall submit an application in the prescribed form along with requisite documents through Parivesh to SEIAA for surrendering the Environmental Clearance as per the procedure prescribed in OM dated 29.03.2022 issued by the MoEF&CC. The project proponent shall be accountable for adherence/compliance of the EC

conditions till such time as the project is finally closed by SEIAA, based upon the certified closure report of Integrated Regional Offices (IROs) of MoEF&CC, Chandigarh/PPCB.

- vi) This Environmental Clearance is liable to be revoked without any further notice to the Project Proponent in case of failure to comply with condition (v) above.
- vii) Concealing factual data or submission of false/fabricated data may result in revocation of this Environmental Clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- viii) The Project Proponent shall manage the solid waste generated from the project as per the sub-rule-7 of rule-4 of SWM Rules 2016.
- ix) The Ministry reserves the right to stipulate additional conditions if found necessary. The Promoter Company in a time bound manner shall implement these conditions.
- x) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and other wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.
- xi) Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Item No. 246.05: Application for Environmental Clearance for carrying out mining of minor minerals (sand) at Village Sandhwal, Tehsil Mukerian, District Hoshiarpur by Executive Engineer cum District Mining Officer, Drainage-cum-Mining & Geology Division, Water Resources Department, Hoshiarpur Division. (Proposal No. SIA/PB/MIN/422758/2023).

Deliberations during 246th meeting of SEAC held on 02.05.2023

During meeting, the Committee observed no one on behalf of the Environmental Consultant and Project Proponent appeared before the Committee to present the case. The Committee, therefore, decided to defer the case to the next meeting.