

Proceedings of 224th meeting of State Expert Appraisal Committee (SEAC) held on 11.07.2022 (Monday) at 11:00 AM in the Conference Hall no. 2 MGSIPA Complex, Sector-26, Chandigarh.

The 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. Parminder Singh Bhogal	Member
4.	Sh. Anil Kumar Gupta	Member
5.	Sh. Satish Kumar Gupta	Member
6.	Dr. Pawan Krishan	Member
7.	Sh. K.L Malhotra	Member
8.	Dr. Sunil Mittal	Member
9.	Sh. Preet Mohinder Singh Bedi	Member (Through VC)

Item No. 01: Confirmation of the proceedings of 223rd meeting of State Level Expert Appraisal Committee held on 27.06.2022.

The proceedings of 223rd meeting of State Level Expert Appraisal Committee held on 27.06.2022 were prepared and circulated through email on 01.07.2022. No comments were received from any of the Members. Therefore, SEAC confirmed the proceedings.

Item No. 02: Action taken on the proceedings of the 223rd meeting of State Level Expert Appraisal Committee held on 27.06.2022.

The action taken on the decisions of 223rd meeting of State Level Expert Appraisal Committee held on 27.06.2022 has been completed. The Committee noted the same.

Item no. 224.01: Monitoring of the identified project for compliance of the conditions of Environmental Clearance.

SEIAA vide letter no. 4623 dated 10.08.2021 has requested 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-A** 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.




***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.

S.No	Proposal Details		Company/Proponent Name	Category	Location		Date of EC Granted	Visited by	Whether visited or not?
					State				Status report attached
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
	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
	File no.	: SEIAA/PB/NCP/EC/2017/5			District	: SAS Nagar			
	Proposal Name	: LA - PRISMA			Village	: Derabassi			
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	Yes  Pawan Krisha Visit report_Sandwood.pd
	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	Yes
	File no.	: SEIAA/PB/NCP/EC/2017/8			District	: SAS Nagar			

	Proposal Name	: GREEN LOTUS SAKSHAM			Village	: Derabassi			 Green Lotus Saksham.docx
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.pdf
	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- cpleia@gmail.com, Phone No. 998857729	INFRA-1	State	: Punjab	29-01-18	Dr. Pawan Krishan	No
	File no.	: SEIAA/PB/NCP/2017/EC/29			District	: SAS Nagar			
	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
	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- cpleia@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			
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	
	File no. : SEIAA/PB/NCP/BC/EC/2016/22			District : Ludhiana				
	Proposal Name : DELTA TOWER			Village : Ludhiana (West)				
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	
	File no. : SEIAA/PB/NCP/2017/EC/2017			District : Jalandhar				
	Proposal Name : AGI Palace			Village : Jalandhar - I				
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	
	File no. : SEIAA/PB/NCP/2017/EC/21			District : SAS Nagar				
	Proposal Name : ESCON PRIMERA			Village : Derabassi				
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. K.L. Malhotra	Yes  image34287.pdf	
	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)				
25	Proposal no. : SIA/PB/NCP/53111/2016		INFRA-1	State : Punjab	28-06-16	Sh. K.L. Malhotra	Yes	
	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.	CURO INDIA PVT LTD, (E-mail ID- ak.sharma@curoindia.com, Phone No. 8872043178		Village	: S.A.S.Nagar (Mohali)			 Curo_India.pdf
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	No
	File no.	: SEIAA/PB/NCP/EC/2016/36			District	: SAS Nagar			
	Proposal Name	: GBP CINEPOLIS			Village	: Derabassi			
29	Proposal no.	: SIA/PB/NCP/58465/2016	CREDO ASSETS PRIVATE LIMITED, (E-mail ID- sahilbansal@sbggroup.in, Phone No. 9810297612)	INFRA-1	State	: Punjab	23-11-16	Sh. P.S. Bhogal	No
	File no.	: SEIAA/PB/NCP/EC/2016/32			District	: SAS Nagar			
	Proposal Name	: Group Housing Project "City Of Dreams - II" located at Village Sante Majra, Sector-116, Kharar, Distt. SAS Nagar (Greater Mohali), Pb.			Village	: Kharar			
31	Proposal no.	: SIA/PB/NCP/74916/2018	HARMONY COLONISERS PVT LTD, (E-mail ID- cptleia@gmail.com, Phone No. 998857729	INFRA-1	State	: Punjab	07-09-18	Sh. A.K.Gupta	Yes  Anil Gupta visit reports_Imperial Apa
	File no.	: SEIAA/PB/NCP/EC/2018/10			District	: SAS Nagar			
	Proposal Name	: IMPERIAL APARTMENTS			Village	: Derabassi			
33	Proposal no.	: SIA/PB/NCP/74967/2018	GK RESIDENCY PVT LTD, (E-mail ID- legal@sbggroup.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		No
	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	No
	File no.	: SEIAA/PB/NCP/EC/2017/9			District :	Patiala			
	Proposal Name	: Proposed construction of Multistoreyed integrated corporate office complex at Badungar, Patiala by Punjab State Power Corporation Limited.			Village :	Patiala			
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	No
	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
	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)			

Item No. 224.02: Application for amendment in Environmental Clearance of Steel Manufacturing unit namely M/s Vardhman Adarsh Ispat Private Limited. located at village Ambey Majra, Mandi Gobindgarh, District Fatehgarh Sahib, Punjab by (Proposal No. SIA/PB/IND/279001/2022).

Earlier, the industry was granted Environmental Clearance under EIA notification dated 14.09.2006 vide letter no. SEIAA/2019/717 dated 22.08.2019 for production capacity of 2,00,000 TPA of Billets, Ingots & Blooms and 1,20,000 TPA of TMT Bars, Round Bars, Wire, Flats, Strips with 2 Induction Furnace of capacity of capacity 12 TPH each and 1 Arc Furnace of capacity 15 TPH and Rolling mill.

The industry has proposed to install 1 Induction Furnace of capacity 39 TPH in the place of existing Induction furnaces of capacity 12 TPH each and 1 Arc Furnace of capacity 15 TPH. However, no change has been proposed in the production capacity of the unit w.r.t Environmental Clearance granted to the industry.

The existing land area of the industry is 6.95 acres. The industry has proposed to acquire adjoining land area of 8.51 acres on lease basis for carrying out the modification. The industry has submitted a copy of letter issued by District Town Planner vide letter no. 342 dated 24.03.2022, wherein it has been mentioned that the land area of 8.51 acres falls within the MC limits of Mandi Gobindgarh. Further, the site of the industry falls in industrial land use zone. After amendment, the total land area of the industry shall be 15.46 acres.

The industry has submitted Form-4 along with additional documents for obtaining amendment in Environmental Clearance under EIA notification dated 14.09.2006. The total cost of the project is Rs. 27.97 Cr, which includes cost for expansion as Rs 2.97 Cr. The industry has deposited processing fee Rs. 29,700/ vide UTR no. NI79222014531755 dated 28.06.2022.

Deliberations during 224th meeting of SEAC held on 11.07.2022.

The meeting was attended by the following:

- (i) Sh. Aswani Garg, Director, M/s Vardhman Adarsh Ispat Private Limited.
- (ii) Mr. Sandeep Garg, EC Coordinator, M/s Eco laboratories Pvt Ltd.
- (iii) Mrs. Simranjit Kaur, EC Coordinator, M/s Eco laboratories Pvt. Ltd.

During meeting, the Project Proponent apprised the Committee that the additional land area of 8.51 acres proposed to be acquired on lease basis has now been purchased and copy of the same

was submitted. The Committee noted the same and took a copy of the said land documents on record.

The Committee asked the Project Proponent to submit the drawing indicating the layout plan in 6.95 acres of existing land by super imposing the layout plan for total land area of 15.46 acres by clearly earmark the location of the induction furnace, green area and other utilities. The Project Proponent submitted the super imposed layout plan and took a copy of same on the record.

Thereafter, the Project Proponent also submitted six-monthly compliance report for the period ending 31.03.2022 of the various conditions imposed in the earlier Environmental Clearance granted to it. The industry also submitted an undertaking to the effect that the green area of 33% of the total project area of 15.46 acres shall be developed within the industrial premises and the plantation shall be carried out from the current monsoon season.

After detailed deliberations, SEAC decided to forward the case to SEIAA with recommendation to grant amendment in Environmental Clearance under EIA notification dated 14.09.2006 subject to the following special conditions:

- i) The Project Proponent shall provide 33% green area of the total project area of 15.46 acres by planting trees of native species not less than 6 feet in height.
- ii) The Project Proponent shall provide Online Continuous Monitoring System at the inlet as well as at the outlet of the APCD installed on induction furnace for monitoring of SPM.

Item No.224.03: Application for Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of Commercial Project namely “LIC Complex” at Sector 49, SAS Nagar, Punjab by M/s Life Insurance Corporation of India (Proposal No. SIA/PB/MIS/105312/2019).

Life Insurance Corporation of India (LIC) has proposed to construct commercial project “LIC Complex” at Sector 49, SAS Nagar, Punjab. LIC has submitted an application for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for the establishment of Commercial Project namely “LIC Complex” at Sector 49, District SAS Nagar, Punjab, in the total land area of 38,849.52 sqm having built up area 1,04,716.38 sqm. The project is covered under Activity 8(a) & Category ‘B2’ as per EIA notification-2006.

LIC has submitted the Form I, 1A and other additional documents along with processing fee amounting to Rs. 2,09,433/- dated 30.06.2021, as verified by the supporting staff SEIAA.

LIC has submitted layout plan of the project approved from Assistant Town Planner, GMADA, SAS Nagar. As per the said layout plan the total land area of the project is 38849.52 sqm and the total built up area is 104716.38 sqm.

Punjab Pollution Control Board vide letter no. 3548 dated 20.06.2022 has sent the latest construction status report with details as under:

“.....Accordingly, the site was visited by officer of the Board on 31/05/2022 and it was observed as under:

- 1. The boundary wall of the plot has been done using brick work. Wild growth of plants was observed inside the plot. The site is surrounded by residential houses of sector-49D Chandigarh at one side.*
- 2. The project site is located in sector 49, Mohali.*
- 3. 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 500 m from the boundary of the proposed site of the project. No air polluting industry located within 500 m of the site. **Therefore, the site of the project is conforming to the sitting guidelines laid down by the Govt. of Punjab, Department of Science Technology and Environment vide order dated 25/7/2008 as amended on 30/10/2009.***
- 4. As per master plan of SAS Nagar the site is located commercial zone.*
- 5. **In the project report the project proponent has accounted for usage of treated waste water for flushing purposes @ 70% of the total water consumption which is not correct and needs to be 33% i.e. 100 KLD. hence, mode of disposal submitted in the project report is inadequate. The project proponent has not proposed arrangement for inside management of wet solid waste generated from the project.***
- 6. N-choe drain pass at a distance of 1km away from the project site.*
- 7. The GMADA has laid down sewer in the adjoining sector-65, Mohali.*

It is pertinent to mention here that the proposed site is situated within the jurisdiction of M.C Mohali/ GMADA. However, the STP installed by GMADA authorities is 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. Moreover, the project proponent has not submitted the alternate proposal for mode of disposal.”

Summary of the case as mentioned in the application proposal is given as under:

Sr. No.	Description	Details
1	Basic Details	
1.1	Name of Project & Project Proponent:	Project Name: Commercial Project “LIC Complex” Project Proponent: M/S Life Insurance Corporation of India
1.2	Proposal:	SIA/PB/MIS/105312/2019
1.3	Location of Project:	Sector-49, SAS Nagar, Punjab
1.4	Details of Land area & Built up area:	Plot area = 38,849.52 sqm Built up area = 1,04,716.38 sqm
1.5	Category under EIA notification dated 14.09.2006	8 (a)
1.6	Cost of the project	INR 1011.67 Crores
2.	Site Suitability Characteristics	
2.1	Whether project is suitable as per the provisions of Master Plan:	Allotment letter has been issued by the GMADA for the establishment of Multiplex/Shopping Mall/Hotel/Restaurant/ Service apartments and activities subservient to commercial. The details are as under:
2.2	Whether supporting document submitted in favour of statement at 2.1, details thereof: (CLU/building plan approval status)	A copy of allotment letter of the land measuring 9.60 acre in Sector 49, SAS Nagar in the name of M/s Life Insurance Corporation of India has been issued by GMADA vide letter no. GMADA(Policy)/2008/8942 dated 21.04.2008 submitted.
3	Forest, Wildlife and Green Area	
3.1	Whether the project required clearance under the provisions of Forest Conservation Act 1980 or not:	A copy of letter issued by Deputy Conservator of Forest, Chandigarh Administration vide letter No. FOR/2021/2168 dated 20.09.2021 wherein it has been mentioned that the distance of the project is at approximately 10.56 Km from the Sukhna Wildlife Sanctuary and 4.48 Km from City Bird Sanctuary. Further, the Project Proponent has also mentioned that no land area of the project is covered under the provisions of Forest Conservation Act 1980.
3.2	Whether the project required clearance under the provisions of Punjab Land	No

	Preservation Act (PLPA) 1900.																																												
3.3	Whether project required clearance under the provisions of Wildlife Protection Act 1972 or not:	A copy of letter issued by Deputy Conservator of Forest, Chandigarh Administration vide letter No. FOR/2021/2168 dated 20.09.2021 wherein it has been mentioned that the distance of the project is at approximately 10.56 Km from the Sukhna Wildlife Sanctuary and 4.48 Km from City Bird Sanctuary.																																											
3.4	Whether the project falls within the influence of Eco-Sensitive Zone or not.	Not applicable																																											
3.5	Green area requirement and proposed No. of trees:	Green Area = 9,713 sqm No. of trees proposed = 500 trees (1 tree/80 sqm of the plot area)																																											
4.	Configuration & Population																																												
4.1	Proposal & Configuration	<table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Particulars</th> <th>Area in Sqm</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Total plot area</td> <td>38849.52</td> </tr> <tr> <td>2.</td> <td>Proposed FAR (@1.41% of total Plot area)</td> <td>54,843.32</td> </tr> <tr> <td>3.</td> <td>Non-FAR area</td> <td>49,873.06</td> </tr> <tr> <td>4.</td> <td>Built up area (Non-FAR+FAR area)</td> <td>104716.38</td> </tr> </tbody> </table> <p><i>The above said details are as per the application proposal given by the Project Proponent.</i></p>	Sr. No.	Particulars	Area in Sqm	1.	Total plot area	38849.52	2.	Proposed FAR (@1.41% of total Plot area)	54,843.32	3.	Non-FAR area	49,873.06	4.	Built up area (Non-FAR+FAR area)	104716.38																												
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	4.	Third Floor (Food Court)		1100	
		• Visitors	1,000 seats	-----	1,000
		• Staff	(10% of total population)		100
	5.	Third Floor (Auditorium)		1342	
		• Visitors	1,220 seats	-----	1,220
		• Staff	10% of Visitors		122
	5.	Fourth to Tenth Floor (office)	25,516.31	10 m ² /person	2552
		• Staff	(@90% of the Office staff population)		2297
		• Visitors	(@10% of the Office staff population)		255
GRAND TOTAL POPULATION				10,069	

5	Water				
5.1	Total water demand w.r.t Population				
	S. No.	Description	Total occupancy	Rate of water demand (lpcd)	Total water requirement (KLD)
	A.	Domestic Water			
	1.	Ground Floor to second floor (Shops)	5075		92
		• Staff	508	45	23
		• Visitors	4567	15	69
	2.	Third Floor (Food Court)	1100		75
		• Visitors	1000	70	70
		• Staff	100	45	5
	3.	Third Floor (Auditorium)	1342		25
		• Visitors	1220	15	19
		• Staff	122	45	6
	4.	Fourth to Tenth Floor (office)	2552		108
		• Staff	2297	45	104
		• Visitors	255	15	4
	Total Domestic water requirement				300 KLD
5.1	Total fresh water requirement:	90 KLD			

5.2	Source:	GMADA					
5.3	Whether Permission obtained for abstraction/supply of the fresh water from the Competent Authority (Y/N) <i>Details thereof</i>	Application for obtaining permission for fresh water supply has been submitted.					
5.4	Total wastewater generation:	240 KLD					
5.5	Treatment methodology: <i>(STP capacity, technology)</i>	STP capacity: 300 KLD Technology: MBBR Technology Treated wastewater generation: 216 KLD					
5.6	Treated wastewater for flushing purpose:	210 KLD. The Project Proponent is required to justify taking flushing water requirement as 70% of the total water requirement.					
5.7	Treated wastewater for green area in summer, winter and rainy season:	Summer season: 06 KLD Winter season: 06 KLD Rainy season: 05 KLD					
5.8	Utilization/Disposal of excess treated wastewater.	<p>1. The Project Proponent has proposed to utilize the treated waste water to be received through private tanker for the total quantity of 287 KLD in summer season, 251 KLD in winter season and 239 KLD in rainy season.</p> <p>2. Out of 287 KLD of treated wastewater to be received through private tanker, 240 KLD shall be utilized for HVAC cooling & 47 KLD shall be utilized for horticulture purpose whereas, in winter season out of 251 KLD of treated wastewater, 240 KLD shall be utilized for HVAC cooling and 11 KLD shall be utilized for horticulture purpose and in rainy season the entire quantity of 239 KLD of treated wastewater shall be utilized for HVAC cooling and 1 KLD shall be met through treated waste water generated from the project.</p> <p>3. No permission for discharge of excess treated wastewater has been obtained by LIC.</p>					
5.9	Cumulative Details:						
	S. No.	Total water Requirement	Total wastewater generated	Treated wastewater	Flushing water requirement	Green area requirement	Into sewer

	1.	300 KLD	240 KLD	216 KLD	210 KLD	06 KLD against 53 KLD	Nil				
5.10	Rain water harvesting proposal:		<ul style="list-style-type: none"> • Volume of a single Recharge pit = $\pi r^2 h = 3.14 \times 1.5 \times 1.5 \times 4 = 28.26 \text{ m}^3$ • No. of pits required for roof top area = 10 pits. • No. of pits required for Green area = 1 pit. • No. of pits required for paved area = 6 pits • No. of pits required for Roof-top Area= 3 pits <p><i>Total 10 Rain Water Harvesting pits being proposed for artificial rain water recharge within the project premises</i></p>								
6	Air										
6.1	Details of Air Polluting machinery:		The DG sets (4x2000 KVA + 1x1000 KVA)= 9000 KVA shall be installed as power backup.								
6.2	Measures to be adopted to contain particulate emission/Air Pollution		<table border="1"> <thead> <tr> <th>Anticipated Impact</th> <th>Mitigation Measures</th> </tr> </thead> <tbody> <tr> <td> <p><u>Construction Phase:</u></p> <ol style="list-style-type: none"> 1. Dust emission from transportation of construction material. 2. Gaseous emissions from construction machinery. 3. Dust from construction activities. 4. Emission from DG sets. </td> <td> <ol style="list-style-type: none"> 1. Site will be enclosed with 5 m high barricade around the project boundary which will act as a wind breaker. 2. Water sprinkling will be carried out for dust suppression. 3. All the machinery deployed at site are of highest standard and of reputed make and comply with the emission standards 4. Low sulphur diesel will be used for DG sets, vehicles and construction machinery. 5. Vehicles having valid pollution under control (PUC) certificate will be allowed to enter the project site. 6. The trucks carrying construction materials and debris will be suitably covered by tarpaulin/plastic sheets 7. Speed of the vehicles will be restricted to 20 kmph by erecting speed bumps and signages at regular intervals within project site. </td> </tr> </tbody> </table>					Anticipated Impact	Mitigation Measures	<p><u>Construction Phase:</u></p> <ol style="list-style-type: none"> 1. Dust emission from transportation of construction material. 2. Gaseous emissions from construction machinery. 3. Dust from construction activities. 4. Emission from DG sets. 	<ol style="list-style-type: none"> 1. Site will be enclosed with 5 m high barricade around the project boundary which will act as a wind breaker. 2. Water sprinkling will be carried out for dust suppression. 3. All the machinery deployed at site are of highest standard and of reputed make and comply with the emission standards 4. Low sulphur diesel will be used for DG sets, vehicles and construction machinery. 5. Vehicles having valid pollution under control (PUC) certificate will be allowed to enter the project site. 6. The trucks carrying construction materials and debris will be suitably covered by tarpaulin/plastic sheets 7. Speed of the vehicles will be restricted to 20 kmph by erecting speed bumps and signages at regular intervals within project site.
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		Anticipated Impact	Mitigation Measures						
		<u>Operation Phase:</u> 1. Vehicular movement 2. DG sets operation	1. Tree plantation to attenuate particulate matter. 2. Low sulphur diesel (ULSD) will be used for DG sets. 3. Stack height will be provided as per CPCB norms. 4. Ensure smooth traffic circulation and restriction on vehicular speed within the premises.						
7	Waste Management								
7.1	Total quantity of solid waste generation	2,128 kg/day							
7.2	Details of management and disposal of solid waste (Mechanical Composter/Compost pits)	Solid wastes will be appropriately segregated (at source, by providing bins) into recyclable, Bio-degradable Components, and non-biodegradable. <u>Bio-Degradable waste</u> 1. Bio-degradable waste will be subjected to composting through Organic Waste Converter and the compost will be used as manure. 2. STP sludge is proposed to be used in horticulture. 3. Horticultural Waste is proposed to be composted and used for gardening. <u>Recyclable waste</u> 1. <u>Grass Recycling</u> – The cropped grass will be spread on green area. It will act as manure after decomposition. 2. Recyclable waste like paper, plastic, metal etc. will be disposed through local approved recyclers. <u>Disposal</u> Recyclable and non-recyclable waste will be disposed through an authorized service provider/vendor.							
7.5	Details of management of Hazardous Waste.	Not submitted any details							
8	Energy Saving & EMP								
8.1	Power Consumption:	10,700 kVA							
8.2	Energy saving measures:	4 no. of D.G sets of total capacity 8000 kVA (4 x 2000) and 1 no. of D.G sets of total capacity 1000 kVA (1 x 1000)							
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		1.	Solar based Lighting will be done in the landscape areas, signage, entry gates and boundary walls etc.	1,060																																				
		2.	LEDs for internal lighting	1,722																																				
		Total Energy Saved		2,782																																				
		Total energy consumption = 10,700 kVA Energy saved through various provisions = 2,782 kVA TOTAL ENERGY SAVING = 26 %																																						
8.3	Details of activities under Environment Management Plan:	<p>During construction phase Project Manager will be responsible and during operation phase, Project Manager will be responsible for implementation of the EMP.</p> <table border="1"> <thead> <tr> <th>COMPONENT</th> <th>CAPITAL COST (INR LAKH)</th> <th>RECURRING COST (INR LAKH/YR)</th> </tr> </thead> <tbody> <tr> <td>Sewage Treatment Plant</td> <td>30</td> <td>7.5</td> </tr> <tr> <td>Rain Water Harvesting System</td> <td>15</td> <td>3.75</td> </tr> <tr> <td>Solid Waste Management</td> <td>4.5</td> <td>1.06</td> </tr> <tr> <td>Environmental Monitoring</td> <td>--</td> <td>9</td> </tr> <tr> <td>Green Area/ Landscape Area</td> <td>6</td> <td>1.5</td> </tr> <tr> <td>Others (Energy saving devices, miscellaneous)</td> <td>10</td> <td>2.5</td> </tr> <tr> <td colspan="3">CER/CSR</td> </tr> <tr> <td>Plantation in Village Kumbra, Kajheri, Jagatpura, Burail</td> <td>230.5</td> <td>--</td> </tr> <tr> <td>Development of pond in Village Kumbra, Burail</td> <td>170</td> <td>--</td> </tr> <tr> <td>Providing gymnasium equipment's in Park</td> <td>141</td> <td>--</td> </tr> <tr> <td>TOTAL</td> <td>607</td> <td>25.31</td> </tr> </tbody> </table>			COMPONENT	CAPITAL COST (INR LAKH)	RECURRING COST (INR LAKH/YR)	Sewage Treatment Plant	30	7.5	Rain Water Harvesting System	15	3.75	Solid Waste Management	4.5	1.06	Environmental Monitoring	--	9	Green Area/ Landscape Area	6	1.5	Others (Energy saving devices, miscellaneous)	10	2.5	CER/CSR			Plantation in Village Kumbra, Kajheri, Jagatpura, Burail	230.5	--	Development of pond in Village Kumbra, Burail	170	--	Providing gymnasium equipment's in Park	141	--	TOTAL	607	25.31
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1.0 Deliberations during 224th meeting of SEAC held on 11.07.2022.

The Project Proponent vide letter dated 10.07.2022 addressed to Member Secretary, SEAC informed that they are unable to attend the meeting due to some unavoidable circumstances and requested to consider their project in the next meeting of the Committee.

The Committee, while considering the request of the Project Proponent, decided to defer the case to next meeting of SEAC.

Item No. 224.04: Application for issuance of TORs for Environmental Clearance under EIA notification dated 14.09.2006 for establishment of an industrial unit for manufacturing of Manmade Fibers at Plot No. A-1, Industrial Park Wazirabad, Tehsil & District Fatehgarh Sahib, Punjab by M/s Sanathan Polycot Private Limited (Proposal No. SIA/PB/IND2/78944/2022).

M/s Sanathan Polycot Private Limited has proposed to set up the manufacturing facility for production of “Polyester, Cotton & other yarns and textiles” at industrial park wazirabad, Tehsil & District Fatehgarh, Punjab.

PSIEC was granted amendment in Environmental Clearance under EIA notification dated 14.09.2006 vide letter no. SEIAA/MS/2022/221 dated 01.07.2022 for the development of Industrial Park at Wazirabad, Tehsil Sirhind, District Fatehgarh Sahib.

The industry proposed to produce 960 TPD from various types & grades of synthetic polyester yarns through continuous polymerization of MEG & PTA along with various kind of textiles & cotton yarn. The total land area of the project is 80 acres. The project is covered under Category 5 (d) of the schedule appended with the EIA notification dated 14.09.2006.

The industry has submitted the Form I, prefeasibility report and other additional documents through online portal. The cost of the project is Rs. 1600 Cr. The industry has deposited Rs.40,00000/- vide NEFT no. HDFCR52022062477627818 dated 24.06.2022 (Rs. 1,20,00000/- 75% remaining fee will be deposited at the EC time), as checked & verified by the supporting staff of SEIAA.

Deliberations during 224th meeting of SEAC held on 11.07.2022.

The meeting was attended by the following:

- (i) Sh. Rajeev Garg, Environmental Consultant of PSIEC.
- (ii) Sh. Sital Singh, Environmental Consultant, M/s. Chandigarh Pollution Testing Laboratory.

SEAC allowed the Environmental Consultant of Project Proponent to present the salient features of the project. Thereafter, Environmental Consultant presented the case as under: -

Sr. No.	Description	Details
1.	Online Proposal No.	SIA/PB/IND2/78944/2022

2.	Name and Location of the project	M/s Sanathan Polycot Private Limited, Plot No. A-1, Industrial Park Wazirabad, Tehsil & District: Fatehgarh Sahib, Punjab
3.	In case of expansion projects, whether granted EC earlier, if Yes, then provide its details	Not applicable
4.	Nature of project (Fresh EC/EC for Expansion/New)	Fresh EC
5.	a) Category b) Activity (As per schedule appended to EIA Notification, 2006 as amended time to time.)	(a) B (b) Manmade fibers manufacturing, Schedule 5(d) as per EIA notification-2006.
6.	Whether project falls within 5km from the boundary of critically polluted area (Yes/No)	No
7.	Details of Consent to operate under (Air/Water Act) of existing project	Not applicable, as it is new project.
8.	Existing production Capacity (TPA)	Not applicable, as it is new project.
9.	Undertaking to reflect that project is neither located near to PLPA area nor fall in the PLPA area	The project site is neither located near to PLPA area nor fall in PLPA area.
10.	Classification/Land use pattern as per Master Plan	The site falls in Medium & heavy Industry zone as per master plan of Mandi Gobindgarh (2010-2031). The site falls in Notified Industrial area. A copy allotment letter issued by PSIEC vide letter no. 4905 dated 10.05.2022 for the land measuring 387200 sqyards falling in the industrial Park, Wazirabad for the manufacturing of "Polyester yarn" submitted.
11.	Details proof of land including Khasra no.	Total Land –80 acres Plot no.- A-1, Industrial Park, Wazirabad
12.	Copy of memorandum of Article & Association/ partnership deed/undertaking of sole proprietorship/ list of Directors and names of other persons responsible for managing day to day affairs of the project.	The unit has following subscribers: 1. M/s Sanathan Textiles Private Limited 2. Sh. Paresh Kumar Dattani
13.	Project Area Details:	80 acres (32.37ha)

14.	Raw Material requirement as per following format:		
	S. No.	Name of Raw material	Quantity (MTPA)
	1.	Purified Terephthalic Acid	300000
	2.	Mono Ethylene Glycol	117000
	3.	Antimony trioxide	1050
	4.	Titanium Dioxide	7350
	5.	Spin Finish oil	28000
	6.	Barium Sulphate	105
	7.	Modifier	17
	8.	Filament Yarn POY	240000
	9.	Conning Oil	960
10.	Filament Yarn FDY	9000	
15.	Production Capacity as per following format :		
	Sr. No.	Name of Raw material	Quantity (MTPA)
	1.	Partially Oriented Yarn (POY)/ Fully Drawn Yarn (FDY) and Textile Grade Polyester Chips/Granules.	340000
	2.	Polyester Texturised Yarn / Draw Texturised Yarn/Air Texturised yarn / Polyester Twisted Yarn Spandex Yarn	240000
3.	Winding of Yarn/Heat Setting of Yarn/Circular Knitting/Warping / Warp Knitting.	9000	
16.	Details of major productive machinery/plant		
	Sr. No.	Description	
	1.	Polymerization Plant	
	2.	Polymerization Plant OSBL Ancillary Equipment	
	3.	Yarn Spinning Equipment	
	4.	Texturizing machines	
	5.	Texturizing machines	
	6.	LAB, QC equipment, Testing equipment's, Accessories etc	
	7.	Automation Equipment	
	8.	Warp Knitting Machines (10) with 3 warpers	
	9.	Boiler with APCD	
	10.	Thermic Fluid Heaters with APCD	
	11.	D.G. Sets with adequate stack	
	12.	ETP including MEE/MVR	
13.	Cooling Towers/ Brine Chilling & other utilities		
17.	Water Requirements & its source:		
	Activity	Quantity of water in KLD	

		Total	Fresh	Recycled
	Total Water Requirement of the industry	3303	2573	730
	Total Domestic Water Requirement	130	85	45
	Total Green Area Requirement	588	203	385
	Industrial Water Requirement	2585	2285	300
Sources of water:				
	S. No.	Purposes	Source of water	
	1.	Domestic	Surface Water	
	2.	Make-up water demand for cooling	Surface Water	
	3.	Green area water demand	Treated waste water/Surface Water	
18.	Details of Effluent			
	Activity		Quantity of water in KLD	
	Domestic Wastewater Generated		105	The industry will provide STP for treatment of the domestic effluent.
	Total Trade Effluent Generated		780	The Industry shall provide ETP based on ZLD system
19.	Details of Emissions			
	Sr. No.	Source	Capacity	Chimney Height (m)
	i)	Boiler	1X 5 TPH	15
	ii)	DG sets	4 x 2250 kVA	30
	iii)	Thermic Fluid Heaters	4 No. X 12MKcal/Hr.	30
				APCD
				Multi-cyclone with Bag Filters
				Acoustic Enclosures/Silent Type
				Multi-cyclone with Bag Filters
20.	Details of Hazardous waste and its disposal			
	S. No	HW Category No	Hazardous Waste Type	Quantity (MT/year)
	1	35.3	ETP Sludge	375 MT
	2	35.3	MEE Salt	438 MT
	3	5.1	Used Oil	30 MT
	4	33.1	Drums / Barrels	25000 Nos
	5	33.1	Bags / Liners	130000 Nos
	6	33.2	Oil-Soaked Cotton	2 MT
				Mode of Disposal
				TSDf
				TSDf
				Approved Recycler
				Approved Recycler
				Approved Recycler
				TSDf

21.	Solid waste generation and its disposal				
	S. No	Source	Waste Type	Quantity (MT/year)	Mode of Disposal
	1	Domestic Waste	Recyclable	85	Sold to recyclers
	2	Domestic Waste	Wet waste	130	Composting & to be used as manure
	3	STP Sludge	Bio sludge	9	To be Used as manure
	4	Fuel Ash	Inert material	5300	Brick manufacturing/ low lying area.
5	Process waste /Yarn waste / Lumps etc	Reusable	250	Reused/Sold to recyclers	
22.	Energy Requirements			30MW	

The Committee observed that the industry falls in the industrial zone as per the Master Plan of Mandi Gobindgarh. After detailed deliberations, SEAC decided to categorize the project under Activity 5(d); B-1 with public consultation as required for the project. The Committee recommended the case to SEIAA to approve the Terms of Reference for establishment of an industrial unit for manufacturing of Manmade Fibers at Plot No. A-1, Industrial Park Wazirabad, Tehsil & District Fatehgarh Sahib, Punjab for preparing Environmental Impact Assessment (EIA) report for the proposed project and recommended to SEIAA to issue the following TORs:

GENERIC TERMS OF REFERENCE

1) Executive Summary

2) Introduction

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

3) Project Description

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

- (v) Details of Emission, effluents, hazardous waste generation and their management. Requirement of water, power, with source of supply, status of approval, water balance diagram, man-power requirement (regular and contract)
- (vi) Process description along with major equipments and machineries, process flow sheet (quantitative) from raw material to products to be provided.
- (vii) Hazard identification and details of proposed safety systems.
- (viii) Expansion/modernization proposals:
 - a. Copy of all the Environmental Clearance(s) including Amendments thereto obtained for the project from MOEF/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environmental clearances including Amendments shall be provided. In addition, status of compliance of Consent to Operate for the ongoing /existing operation of the project from SPCB shall be attached with the EIA-EMP report.
 - b. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.

4) Site Details

- (i) Location of the project site covering village, Taluka/Tehsil, District and State, Justification for selecting the site, whether other sites were considered.
- (ii) A toposheet of the study area of radius of 10 km and site location on 1:50,000/1:25,000 scale on an A3/A2 sheet. (including all eco-sensitive areas and environmentally sensitive places)
- (iii) Co-ordinates (lat-long) of all four corners of the site. Google map-Earth downloaded of the project site. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.
- (iv) Photographs of the proposed and existing (if applicable) plant site. If existing, show photographs of plantation/greenbelt, in particular.
- (v) Land use break-up of total land of the project site (identified and acquired), government/ private agricultural, forest, wasteland, water bodies, settlements, etc shall be included. (not required for industrial area).
- (vi) A list of major industries with name and type within study area (10km radius) shall be incorporated.

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

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

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

6) Environmental Status

- (i) Determination of atmospheric inversion level at the project site and site-specific micrometeorological data using temperature, relative humidity, hourly wind speed and direction and rainfall.
- (ii) AAQ data (except monsoon) at 8 locations for PM10, PM2.5, SO₂, NO_x, CO and other parameters relevant to the project shall be collected. The monitoring stations shall be based CPCB guidelines and take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests.
- (iii) Raw data of all AAQ measurement for 12 weeks of all stations as per frequency given in the NAQQM Notification of Nov. 2009 along with - min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure to the EIA Report.
- (iv) Surface water quality of nearby River (100m upstream and downstream of discharge point) and other surface drains at eight locations as per CPCB/MoEF&CC guidelines.

- (v) Whether the site falls near to polluted stretch of river identified by the CPCB/MoEF&CC, if yes give details.
- (vi) Ground water monitoring at minimum at 8 locations shall be included.
- (vii) Noise levels monitoring at 8 locations within the study area.
- (viii) Soil Characteristic as per CPCB guidelines.
- (ix) Traffic study of the area, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- (x) Detailed description of flora and fauna (terrestrial and aquatic) existing in the study area shall be given with special reference to rare, endemic and endangered species. If Schedule- I fauna are found within the study area, a Wildlife Conservation Plan shall be prepared and furnished.
- (xi) Socio-economic status of the study area.

7) Impact and Environment Management Plan

- (i) Assessment of ground level concentration of pollutants from the stack emission based on site specific meteorological features. In case the project is located on a hilly terrain, the AQIP Modeling shall be done using inputs of the specific terrain characteristics for determining the potential impacts of the project on the AAQ. Cumulative impact of all sources of emissions (including transportation) on the AAQ of the area shall be assessed. Details of the model used and the input data used for modeling shall also be provided. The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any.
- (ii) Water Quality modeling - in case of discharge in water body
- (iii) Impact of the transport of the raw materials and end products on the surrounding environment shall be assessed and provided. In this regard, options for transport of raw materials and finished products and wastes (large quantities) by rail or rail-cum road transport or conveyor cum- rail transport shall be examined.
- (iv) A note on treatment of wastewater from different plant operations, extent recycled and reused for different purposes shall be included. Complete scheme of effluent treatment. Characteristics of untreated and treated effluent to meet the prescribed standards of discharge under E(P) Rules.
- (v) Details of stack emission and action plan for control of emissions to meet standards.
- (vi) Measures for fugitive emission control.
- (vii) Details of hazardous waste generation and their storage, utilization and management. Copies of MOU regarding utilization of solid and hazardous waste in cement plant shall also be included. EMP shall include the concept of waste-minimization, recycle/reuse/recover techniques, Energy conservation, and natural resource conservation.
- (viii) Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 2009. A detailed plan of action shall be provided.

- (ix) Action plan for the green belt development plan in 33 % area i.e. land with not less than 1,500 trees per ha. Giving details of species, width of plantation, planning schedule etc. shall be included. The green belt shall be around the project boundary and a scheme for greening of the roads used for the project shall also be incorporated.
- (x) Action plan for rainwater harvesting measures at plant site shall be submitted to harvest rainwater from the roof tops and storm water drains to recharge the ground water and also to use for the various activities at the project site to conserve fresh water and reduce the water requirement from other sources.

8) Occupational health

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

9) Corporate Environment Policy

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

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

11) Enterprise Social Commitment (ESC)

i. Adequate funds (at least 2.5 % of the project cost) shall be ear marked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan shall be included. Socio-economic development activities need to be elaborated upon.

12) Any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details there of and compliance/ATR to the notice(s) and present status of the case.

13) A tabular chart with index for point wise compliance of above TOR.

SPECIFIC CONDITIONS

1. Details on requirement of raw materials (monomers, solvents, catalysts, etc.),its source and storage at the plant.
2. Details on raw material preparation for polymer production process.
3. Details on polymer production process - polymerization, polymer recovery, finishing, polymer spinning and other process in case of specific end-product applications, etc.
4. Details of the proposed method so water conservation and recharging.
5. Details on air emission (SO_x, NO_x, VOC, CO, CO₂, etc.) sources-point sources, fugitiveemission sources, continuous air emission sources, intermit tent air emission sources, etc.
6. Details on chemical releases - acetonitrile, CS₂, ethylene, ethylene glycol, HCl, methanol, etc.,and its management.
7. Details on existing ambient air quality and expected, emissions for PM₁₀, PM_{2.5}, SO₂*, NO_x*, CO₂*, CO*, CS₂*, VOC*, H₂S, etc., and evaluation of the adequacy of the proposed pollution control devices to meet standards for point sources and to meet AAQ standards. (*-As applicable).
8. Risk assessment should also include leakages and location near to CS₂& proposed measures for risk reduction.
9. Details of sodium sulphate recovery.

Item No. 224.05: Application for Environment Clearance under EIA notification dated 14.09.2006 for the establishment of new API Bulk Drug Pharmaceutical manufacturing unit by “M/s Akums Lifesciences Limited at village Chhachrauli, Tehsil Dera Bassi, District SAS Nagar, Punjab, (Proposal No. SIA/PB/IND3/247434/2021).

The industry was granted Environmental Clearance under EIA notification dated 14.09.2006 for manufacturing of the following API Bulk Drugs. The said Environmental Clearance was issued by MoEF&CC vide letter No. J-11011/988/2008-IA II (I) dated 14.09.2011 in the name of M/s Parabolic Drugs Limited.

Sr. No.	Products Name	(Quantity) Kg/Month	(Quantity)Kg/day
1.	Carvidelol	5000	200
2.	Efavirenz	4000	160
3.	Lacidipine	1000	40
4.	Paroxetine	5000	200
5.	Ropinirole	1000	40
6.	Rosiglitazone	2000	80
7.	Telmisartan	4000	160
8.	Valsartan	6000	240
9.	Venlafaxine	5000	200
Total		33000	1320

The industry was earlier granted Environmental Clearance in the name of M/s Parabolic Drugs Limited and machinery was installed by said industry within the validity period of Environmental Clearance. Further, Consent to Operate under the provisions of Water Act 1974 & Air Act 1981 was granted to industry for the manufacturing of 7 APIs products. Later on, due to financial constraints, insolvency proceedings were commenced against the industry M/s Parabolic Drugs Limited by NCLT and Mr. Sanjay Kumar was appointed as Insolvency Resolution Professional (IRP) in the matter of the said industry by Hon'ble NCLT Chandigarh. Thereafter, resolution plan was submitted and the same was approved. The industry has changed its name in the year 2021 from M/s Parabolic Drugs Limited to M/s Akums Lifesciences Limited.

The industry was granted Consent to Operate under the provision of Water Act 1974 & Air Act 1981 in the name of M/s Akums Lifesciences Limited, Village Chhachrauli, Tehsil Dera Bassi, District SAS Nagar which is valid up to 31.03.2022 for the manufacturing of API drugs i.e. Carvidelol @ 60000 kg/year, Efavirenz @ 48000 kg/year, Lacidipine @ 12000 kg/year, Paroxetine @ 60000 kg/year, Ropinirole @ 12000 kg/year, Rosiglitazone @ 24000 kg/year, Telmisartan @ 48000 kg/year.

The industry has submitted afresh application in the name of M/s Akums Lifesciences Limited for the increase in the production capacity of the following APIs products. The industry has submitted Form-1 along with documents as per the checklist approved by SEIAA. The details pertaining to the products for which Environmental Clearance was granted and proposed No. of products which are to be manufactured are as under:

Sr. No.	Name of Products	EC accorded			Proposed (TPA)	Total after expansion (TPA)
		In Kg/month	In Kg/day	TPA		
1.	Carvidelol	5000	200	60	-60	0
2.	Efavirenz	4000	160	48	-48	0
3.	Lacidipine	1000	40	12	-12	0
4.	Paroxetine	5000	200	60	-55	5
5.	Ropinirole	1000	40	12	-12	0
6.	Rosiglitazone maleate	2000	80	24	-24	0
7.	Telmisartan	4000	160	48	-48	0
8.	Valsartan	6000	240	72	-72	0
9.	Venlafaxine	5000	200	60	-60	0
10.	Losartan Potassium	-	-	-	20	20
11.	Atorvastatin Calcium	-	-	-	24	24
12.	Chloroxazone	-	-	-	15	15
13.	Citicholine Sodium	-	-	-	36	36
14.	Metaprol Succinate	-	-	-	25	25
15.	Olmesartan Medoximil	-	-	-	5	5
16.	Dapoxetine HCL	-	-	-	5	5
17.	L-Carnitine	-	-	-	5	5
18.	Piracetam	-	-	-	30	30
19.	Pantaprazole Sodium	-	-	-	60	60
20.	Leviteracetam	-	-	-	5	5
21.	n-acetyl Cysteine	-	-	-	5	5
22.	Cyclophosphamide	-	-	-	12	12
23.	Sildenafil Citrate	-	-	-	12	12

24.	Tadalafil	-	-	-	10	10
25.	Omeprazole	-	-	-	60	60
26.	Lenalidomide	-	-	-	1	1
27.	Letrozole	-	-	-	1	1
28.	Anastrozole	-	-	-	1	1
29.	Palbociclib	-	-	-	1	1
30.	Bicalutamide	-	-	-	4	4
31.	Abiraterone acetate	-	-	-	4	4
32.	Pemetrexed	-	-	-	1	1
33.	Methotrexate	-	-	-	1	1
34.	Exemestane	-	-	-	1	1
35.	Imatinib mesylate	-	-	-	10	10
36.	Lapatinib	-	-	-	1	1
37.	Leveteracetum	-	-	-	6	6
38.	Braviracetum	-	-	-	3	3
39.	Linazolid	-	-	-	24	24
40.	Rosuvastatin	-	-	-	18	18
41.	DAPA	-	-	-	3	3

The cost of expansion for the industrial project Rs. 50 Crores. The industry has deposited Rs. 5 lacs vide UTR No. N355211761043119 dated 21.12.2021. The adequacy of the fee deposited by the Project Proponent has been checked and verified by supporting staff SEIAA.

The Project Proponent undertake that the information given in the application are true to the best of his knowledge & belief and no facts have been concealed thereof. Further, he is aware that in case, if any information submitted was found to be false or misleading at any stage, the project will be rejected and clearance given, if any to the project will be revoked at their risk and cost.

The Project is covered under Schedule 5(f) & Category 'B2' as per EIA Notification, 2006. in light of O.M dated 27.03.2020, 15.10.2020, & 16.07.2021. In the latest OM dated 16.07.2021, it has been mentioned as under:

“All proposals for projects or activities in respect of Active Pharmaceutical Ingredients (API), received from 16th July, 2021 to 31st December, 2021, shall be appraised, as Category ‘B2’ projects, provided that any subsequent amendment or expansion or change in product mix, after the 31st December, 2021, shall be considered as per the provisions in force at that time.”

Since, the project has applied for obtaining Environmental Clearance on 28.12.2021, the project can be considered as B2 category project.

Furthermore, PPCB was requested to send the latest construction status report of the project through e-mail on 25.02.2022. Punjab Pollution Control Board vide letter no. 2070 dated 29.03.2022 has sent the latest construction status report with details as under:

“It is intimated that vide email dated 25.2.2022, SEIAA has sought the report w.r.t. Construction status, status of physical structures within 500 m radius of the site and compliance regarding siting criteria for this project.

The project has submitted that the industry was granted Environmental clearance by MoEF vide file no. J-11011/988/2008- IA II (I) dated 14/09/2011 for 9 API products. However, industry is presently manufacturing only 7 API products. Now, Industry is further planning to increase the production capacity by adding 32 APIs and by (decreasing the production capacity as compared to earlier granted EC) of one existing products of Paroxetine. The comparison details of exiting as well as proposed APIs product are as per the EC applied by the industry.

The site of the industry was visited by the AEE of this office on 22/03/2022 and the point-wise is as under:

Sr. No.	Report of point sought by SEIAA	Remarks
A.	<i>Construction status of the proposed project. Please send the clear-cut report as to whether construction/new machinery for the proposed project has been started/ installed for the project except securing the land.</i>	<i>No construction has been started by the industry at the expansion site.</i>
B.	<i>Status of physical structures within 500 m radius of the site including the status of industries, drain, river eco-sensitive structure if any.</i>	<ol style="list-style-type: none"> <i>1. The following units are located within 500 m radius of the unit:</i> <i>2. No rice sheller/ stone crusher/ hot mix plant/ brick kiln exist within 500 mtr from the proposed site.</i> <i>3. There is no jaggery, petroleum outlet exist within 100 mtr of the site.</i> <i>4. There is one perennial chose passing adjoining the industry.</i>

		<p>5. There is no drain/ nallah/ choe exist within 500 mtr of the site.</p> <p>6. There is no eco-sensitive structure within 500 mtr of the site.</p>
C.	<p>Whether the sites meeting the prescribed criteria for setting up of such type of projects. Please send the clear-cut recommendation.</p>	<p>The govt. has not framed any specific guidelines for setting of such type of units. However, the proposed site is complying with the general sitting guidelines framed by the Government of Punjab for such project.</p> <p>It is further submitted that the industry has already obtained Change of Land Use (CLU) issued by the CTP vide letter5 dated 30/09/2009 for an area of 22.92-acre land of industrial purpose at village Chhalchrauli Derabassi, Distt. SAS Nager.</p>

It is further intimated that the Board is continuously receiving the complaints against the industry regarding the pollution caused by it in the vicinity to degrade the environment. Accordingly, the industry has been served notice under the relevant Environment Laws for taking further action in the matter.”

Deliberations during 218th meeting of SEAC held on 11.04.2022.

The meeting was attended by the following:

- (i) Mr. Luxmipati Shriram, Vice President of M/s Akums Lifesciences Limited.
- (ii) Mr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.
- (iii) Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

SEAC allowed the Environmental Consultant of the Project Proponent to present the salient features of the project. He, thereafter, presented the case as under:

1.	Name of the project:	M/s Akum Lifesciences Limited Village Chhachrauli, Tehsil Derabassi, Distt. Mohali, Punjab
2.	Whether the project falls in the critical polluted area notified by MoEF&CC /CPCB. (Yes/No) If no and the proposed project site lies	No, the industry does not fall in the critically polluted area notified by MoEF&CC /CPCB. The nearest critically polluted area is Ludhiana which is not within the district or neighboring district.

	<p>in the same or neighbouring district of critically polluted area, then details the distance of project site from the boundary of critically polluted area verified by the regional office of SPCB. (Submitted/Not submitted)</p>	
3.	<p>Project area involves forest land, (Yes/No), If yes, then details of the extent of area involved and copy of permission & approval for the use of forest land</p>	<p>No, a self-declaration to the effect that the clearance is not required under the provisions of the Forest Conservation Act 1980 submitted. Further, the Project Proponent also undertakes that the project is not covered under the PLPA 1900.</p>
4.	<p>If the project falls within 10 km of eco-sensitive area/ National park/Wild Life Sanctuary. If yes, a. Name of eco-sensitive area/ National park/Wild Life Sanctuary and distance from the project site. b. Status of clearance from</p>	<p>i. Khol Hi-Raitan Wild Life Sanctuary situated at distance of 22 Km from the location of the proposed project. ii. The MoEF&CC vide notification dated 24.10.2016 declared eco-sensitive zone varies from zero to 925 m around the boundary of Khol Hi-Raitan Wild Life Sanctuary comprising an area of 1320 hectares approximately. iii. The industry is located outside the eco-sensitive zone of Khol Hi-Raitan Wild Life Sanctuary.</p> <p>A self-declaration to the effect that the project does not require the clearance under the provisions of Wild Life (Protection) Act 1972 submitted.</p>

	the National Board for Wild Life (NBWL)																																														
5.	Total Project Cost (In Crores): Total project cost breakup at current price level duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant	<p>(a) Total Project Cost (In Crores): Total estimated cost of the unit after expansion is Rs. 190.87 crores; out of which, existing cost is Rs. 140.87 crores.</p> <p>(b) Total project cost breakup is given below:</p> <table border="1"> <thead> <tr> <th>Sr. No</th> <th>Description</th> <th>Existing (Rs. In Crores)</th> <th>Proposed (Rs. in Crores)</th> <th>Total Cost (Rs. in Crores)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Cost of Land & Building</td> <td>48.92</td> <td>-</td> <td>48.92</td> </tr> <tr> <td>2</td> <td>Plant & Machinery</td> <td>91.95</td> <td>50</td> <td>141.95</td> </tr> <tr> <td colspan="2">Total</td> <td>140.87</td> <td></td> <td>190.87</td> </tr> </tbody> </table>	Sr. No	Description	Existing (Rs. In Crores)	Proposed (Rs. in Crores)	Total Cost (Rs. in Crores)	1	Cost of Land & Building	48.92	-	48.92	2	Plant & Machinery	91.95	50	141.95	Total		140.87		190.87																									
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6.	Details of technology proposed for control of emissions & effluents generated from project	<p>The details of the Air Polluting machinery along with APCD after expansion is as under:</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Source</th> <th>Fuel</th> <th>Capacity</th> <th>APCD</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Boiler</td> <td>Rice Husk</td> <td>5 Ton</td> <td>Multi Cyclone separator with Chimney of height 30m</td> </tr> <tr> <td>2.</td> <td>Boiler</td> <td>Rice Husk</td> <td>5 Ton</td> <td>Multi Cyclone separator with Chimney of height 30m</td> </tr> <tr> <td>3.</td> <td>Incinerator</td> <td>HSD</td> <td>1200 LPD</td> <td>Scrubber with chimney height of 25m above roof level</td> </tr> <tr> <td>4.</td> <td>DG Set 1500 KVA</td> <td>HSD</td> <td>1*1500 KVA</td> <td>Chimney height of 10m and acoustic enclosure.</td> </tr> <tr> <td>5.</td> <td>Pilot plant</td> <td>For treatment of process/fugitive emissions</td> <td></td> <td>Packed bed scrubber with stack height of 3m above roof level.</td> </tr> <tr> <td>6.</td> <td>Manufacturing block A</td> <td>For treatment of process/fugitive emissions</td> <td></td> <td>Packed bed scrubber with stack height of 9m above roof level.</td> </tr> <tr> <td>7.</td> <td>Manufacturing block B</td> <td>For treatment of process/fugitive emissions</td> <td></td> <td>Packed bed scrubber with stack height of 9m above roof level.</td> </tr> <tr> <td>8.</td> <td>Process stack</td> <td>For treatment of process/fugitive emissions</td> <td></td> <td>Scrubber with stack height of 3m above roof level.</td> </tr> </tbody> </table>	Sr. No.	Source	Fuel	Capacity	APCD	1.	Boiler	Rice Husk	5 Ton	Multi Cyclone separator with Chimney of height 30m	2.	Boiler	Rice Husk	5 Ton	Multi Cyclone separator with Chimney of height 30m	3.	Incinerator	HSD	1200 LPD	Scrubber with chimney height of 25m above roof level	4.	DG Set 1500 KVA	HSD	1*1500 KVA	Chimney height of 10m and acoustic enclosure.	5.	Pilot plant	For treatment of process/fugitive emissions		Packed bed scrubber with stack height of 3m above roof level.	6.	Manufacturing block A	For treatment of process/fugitive emissions		Packed bed scrubber with stack height of 9m above roof level.	7.	Manufacturing block B	For treatment of process/fugitive emissions		Packed bed scrubber with stack height of 9m above roof level.	8.	Process stack	For treatment of process/fugitive emissions		Scrubber with stack height of 3m above roof level.
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4.	Block C1 & C2	1725 sq. m.																																																			
5.	Warehouse (Block D)	1496 sq. m.																																																			
6.	Solvent Recovery Plant (Block E)	1565 sq. m.																																																			
7.	Utility (Block F)	875 sq. m.																																																			
8.	ETP Area (Block G)	1290 sq. m.																																																			
9.	Security/OHC (Block H)	152 sq. m.																																																			
10.	Engineering (Block I)	630 sq. m.																																																			
11.	Boiler House (Block J)	291 sq. m.																																																			
12.	Transformer and DG Area	640 sq. m.																																																			
13.	66 KVA Substation	576 sq. m.																																																			
14.	DM Water System	105 sq. m.																																																			
15.	Green Area	31,906 sq. m.																																																			
8.	Type of project land as per master plan (Industrial/ Agriculture/ Any other), If non industrial land then the details of Land Use Certificate / permissibility Certificate from Competent Authority (DTP/CTP) intimating land use pattern of the project site as per proposals of Master Plan of the area.	<p>As per the location shown in the Master Plan Lalru, the site of the unit falls in industrial zone. A copy of agreement executed between the Punjab State Govt. and M/s Parabolic Company wherein it has been mentioned that the company is allowed for carrying out expansion on additional land of 27.5 killa, 1 biswa and village chachrauli with investment of Rs. 103 crore over a period of five years from 14.12.2006.</p>																																																			

	(Submitted/Not Submitted)	
9.	Whether any litigation pending against the project or any direction/order passed by SPCB/ Court of Law against the project, if so, details there of shall also be included.	There is no litigation pending against the industry. Undertaking regarding the same submitted.
10.	Details water consumption, wastewater generation & its treatment	<p>i. The total water demand of the industry shall be 726 KLD, out of which fresh water demand of 534 KLD shall be met through existing 1 no. of borewell and remaining 192 KLD shall be met through treated wastewater.</p> <p>ii. Out of total quantity of 534 KLD of fresh water demand, 330 KLD shall be utilized for meeting cooling water makeup, 55 KLD for boiler, 120 KLD into the process 11 KLD for floor washing and 18 KLD domestic purpose.</p> <p>iii. The total wastewater in the form of HTDS shall be 72 KLD and LTDS shall be 48 KLD. The total quantity of effluent generated from cooling tower, boiler blow down and floor washing shall be 21 KLD, 15 KLD & 11 KLD respectively.</p> <p>iv. The entire quantity of 95 KLD of effluent generated from the industry except HTDS effluent shall be treated in the ETP of capacity 125 KLD.</p> <p>v. The treated wastewater generated from ETP shall be further treated in RO of capacity 125 KLD, out of which 10 KLD of RO reject shall be sent to MEE for further treated and remaining 100 KLD of RO permeate shall be utilized back in the process and other utilities. Furthermore, the HTDS effluent of 72 KLD shall be treated in MEE of capacity 130 KLD. The MEE Condensate reject of quantity 72 KLD along with steam condensate of quantity 20 KLD shall be utilized back in the process and other utilities.</p> <p>vi. In the summer season, out of total quantity of 192 KLD of treated wastewater, 17 KLD shall be utilized for meeting cooling water demand and remaining 175 KLD shall be utilized for gardening purpose in an area of @ 31,906 sqm, whereas in winter season, 135 KLD shall be utilized for meeting cooling water demand and remaining 57 KLD shall be utilized for gardening</p>

		<p>purpose whereas in rainy season, 176 KLD shall be utilized for meeting cooling water demand and remaining 16 KLD shall be utilized for gardening purpose</p> <p>Domestic wastewater treatment:</p> <p>I. The total domestic wastewater generation shall be 15 KLD which shall be treated separately in STP of capacity 30 KLD. The treated wastewater shall be sent to RO for further treatment.</p> <p>II. The industry shall not discharge any treated wastewater outside the premises and shall utilize entire quantity of treated wastewater within the premises of the unit. Hence the proposal of the industry is based on Zero Liquid Discharge.</p>				
11.	<p>Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of Agreement clearly mentioning the Quantity</p>			Waste Generation		Mode of Disposal
Sr. No		Name of Waste	Category	Existing (as per HW authorization)	Total (After expansion)	
1		Incinerator Ash	37.2	3.12 T/annum	6 T/annum	Storage & thereafter disposal through CSTDF, Ramky Enviro Engineers Ltd.
2		ETP Sludge	35.3	0.975 T/annum	18 T/annum	Storage & thereafter disposal through CSTDF, Ramky Enviro Engineers Ltd.
3	Spent Oil	5.1	0.78 T/annum	2.4 KL/annum	Storage & thereafter disposal to Golden Petro	

		4	Empty Barrels/containers/drums	33.1	780 No./ year	1200 No./ annum	Storage & thereafter disposal through authorized reprocessor / recycler
		5	Distillation Residue	20.3	109.2 T/annum	109.2 T /annum	Storage & thereafter captive Incineration
		6	MEE Salt	37.3	30 T/annum	48 T/ annum	Storage & thereafter disposal through CSTDF, Ramky Enviro Engineers Ltd.
		7	Spent Carbon	28.3	0.39 T/annum	6 T/ annum	Storage & thereafter captive Incineration
		8	Spent catalyst	28.2	0.9 T/annum	2.4 T/ annum	Recycling
		9	Filter Cloths & Pads	36.2	0.195 T/annum	3.6 T/ annum	Storage & thereafter captive Incineration
		10	Off. Specification	28.4	1.3 T/annum	2.4 T /annum	Storage & thereafter captive Incineration
		11	Spent solvent	28.5	98.15 T/annum	98.15 T/annum	Recycling and recovery
		12	Process residue	28.1	109.9 T/annum	109.9 T/ annum	Incineration
		<p>i. The hazardous waste generated shall be stored, managed and disposed of as per Hazardous Waste Management Rules, 2016.</p> <p>ii. LOI has been done with M/s Ramky Enviro Engineers Ltd for disposal of incinerator ash, ETP sludge and salts from MEE. Copy of agreement submitted.</p> <p>iii. The spent oil shall be disposed of to authorized vendor i.e. M/s Golden Petro. Copy of agreement submitted.</p>					

12.	Solid Waste generation and its mode of disposal	<p>i. Presently, Recyclable paper waste of about 100 kg/month is being generated from the unit and after expansion, about 125 kg/month will be generated from the unit. This waste is being sold to the local kabadis.</p> <p>ii. Canteen waste of approx. 20 kg/day is being generated which is being currently picked by the vendor for cattle feeding. Further, overall, 40 kg/day will be generated for which company is planning to install Mechanical Composter of 50 kg.</p>																				
13.	Rain Water utilization proposal	Pond will be adopted in the nearby village for rain water recharging of groundwater.																				
14.	Blockwise details of no. of trees to be planted in proposed greenbelt area(1500 Trees to be planted @ 10000 Sqm area):	Total 31,906 sq.m. of green area has been provided within the industry.																				
15.	Energy requirements & savings: Energy saving measures to be adopted within industry:	<p>a. The details of the energy are given below:</p> <table border="1" data-bbox="496 1052 1419 1346"> <thead> <tr> <th>S. No.</th> <th>Description</th> <th>Unit</th> <th>Existing</th> <th>Proposed</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Power load</td> <td>KW</td> <td>2523</td> <td>--</td> <td>2523</td> </tr> <tr> <td>2.</td> <td>D.G sets</td> <td>KVA</td> <td>1×500 + 1×250</td> <td>Replacement of both DG sets with 1500 kva</td> <td>1 × 1500</td> </tr> </tbody> </table> <p>b. Energy conservation measures are being taken at the project site.</p>	S. No.	Description	Unit	Existing	Proposed	Total	1.	Power load	KW	2523	--	2523	2.	D.G sets	KVA	1×500 + 1×250	Replacement of both DG sets with 1500 kva	1 × 1500		
S. No.	Description	Unit	Existing	Proposed	Total																	
1.	Power load	KW	2523	--	2523																	
2.	D.G sets	KVA	1×500 + 1×250	Replacement of both DG sets with 1500 kva	1 × 1500																	
16.	EMP Budget details Details of Environment Management Cell (EMC) responsible for implementation of EMP	<p>a. EMP budget details:</p> <table border="1" data-bbox="496 1457 1398 1837"> <thead> <tr> <th>Sr. No.</th> <th>Details</th> <th>Capital Cost (In Lacs)</th> <th>Recurring Cost (In Lacs /annum)</th> </tr> </thead> <tbody> <tr> <td>(i)</td> <td>APCD</td> <td>25</td> <td>6</td> </tr> <tr> <td>(ii)</td> <td>STP</td> <td>25</td> <td>10</td> </tr> <tr> <td>(iii)</td> <td>MEE upgradation</td> <td>325</td> <td>25</td> </tr> <tr> <td>(iv)</td> <td>OCEMS</td> <td>-</td> <td>1</td> </tr> </tbody> </table>	Sr. No.	Details	Capital Cost (In Lacs)	Recurring Cost (In Lacs /annum)	(i)	APCD	25	6	(ii)	STP	25	10	(iii)	MEE upgradation	325	25	(iv)	OCEMS	-	1
Sr. No.	Details	Capital Cost (In Lacs)	Recurring Cost (In Lacs /annum)																			
(i)	APCD	25	6																			
(ii)	STP	25	10																			
(iii)	MEE upgradation	325	25																			
(iv)	OCEMS	-	1																			

		(v)	Green belt development with maintenance plan for 3 years	35	6
		(vi)	Rain Water Harvesting	10	0.5
		(vii)	Environment Monitoring	Nil	8
		(viii)	Solid Waste Management	40	15
		(ix)	Energy Conservation	25	2.5
		(x)	Disaster and Risk Management	-	10
		(xi)	Any other	-	-
		Total		485	88.5
		b. Mr. Lakshmipathy Sriram, Vice President (Operations) of M/s Akums Lifesciences Ltd., is responsible for implementation of Environment Management Plan. Rs. 485 Lakhs has been planned to be reserved for EMP for expansion project as capital cost. While, Rs. 88.5 Lakhs/annum has been planned to be reserved for EMP as recurring cost.			
17.	Details of the activities proposed to be covered under CER	CER is a part of EMP. However, Rs. 20 lakh has been reserved for CER under activities for pond adoption in nearby village.			

During meeting, the Committee observed that the project attracts the provisions of Activity 5(f) of the Schedule appended with the EIA notification dated 14.09.2006. As per the said provisions, the General & Specific conditions are applicable to the project. The Committee asked the Project Proponent to submit the compliance of General & Specific conditions in an annotated form so as enable the Committee to decide the competency of the Authority for the appraisal of the case. The Project Proponent agreed to provide the details.

Thereafter, the Committee perused the status report furnished by Punjab Pollution Control Board, wherein it has been mentioned that Punjab Pollution Control Board is continuously receiving the complaints against the industry regarding the pollution caused by it in the vicinity to degrade the environment. The Committee asked the Project Proponent regarding the context of the complaints filed by complainants and submit the relevant documents pertaining to the complaint. The Project Proponent apprised the Committee that Punjab Pollution Control Board has issued Show Cause Notice to the industry for violation of the provisions of Air Act 1981 stating that one of the parameters i.e Silica was outside the permissible limit. Further, it was informed that he has submitted the reply of show cause notice issued by the Board. The Committee decided that the Project Proponent shall submit the details of reply

submitted to PPCB and PPCB will also be requested to provide the details of the complaints received against the industry along with the action taken by the Board against the complaints.

The Committee observed that the multi cyclone separators and scrubber proposed with rice husk fired boilers of 5-ton capacity each and incinerator may not be sufficient to achieve the prescribed standard of suspended particulate matter. The Committee suggested the Project Proponent shall provide multi cyclone separator followed by bag filter (offline) to achieve the prescribed standard of suspended particulate matter and shall provide two stages scrubbing with incinerator. The Project Proponent agreed to the same.

The Committee further asked the Project Proponent to provide the details of source of process emission/fugitive emissions being generated from pilot plant, manufacturing block A & B and process stacks. The Project Proponent agreed to provide the details.

The Committee further perused the details of the disposal of hazardous waste generation and observed that the hazardous waste of category 33.1 i.e. empty barrels/containers/drums shall be disposed through authorized re-processor/recycler. Further, the hazardous waste of category 28.5 i.e. spent solvent shall be recycled & recovered. After perusal, the Committee observed that no details pertaining to authorized agencies to whom the said quantity of waste shall be given has been specified by the Project Proponent. The Committee asked the Project Proponent to submit the details of the authorized agencies to whom the aforementioned hazardous waste shall be given for carrying out recycling & recovery. The Project Proponent agreed to the same.

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

1. The Project Proponent shall submit the pointwise compliance of the General & Specific conditions as appended in the EIA Notification dated 14.09.2006.
2. The Project Proponent shall submit the details of reply submitted to PPCB for the show cause notice issued to the industry.
3. The Project Proponent shall provide multi cyclone separator followed by pulse jet bag filter (offline) with rice husk fired boilers of 5-ton capacity each to achieve the prescribed standard of suspended particulate matter and shall provide two stages scrubbing system with incinerator.
4. The Project Proponent shall submit the details of source of process emission/fugitive emission being employed in Pilot Plant, Manufacturing Block A & B and process stacks where packed bed scrubber/scrubber are proposed to control the emissions.
5. The Project Proponent shall submit the details of the authorized agencies to whom the hazardous waste shall be given for carrying out recycling and recovery.
6. The Project Proponent shall submit NOC for carrying out the rain water harvesting in the village pond.

7. The Project Proponent shall submit the revised water balance for the existing and proposed unit.
8. The Project Proponent shall also revise the Environment Management Plan after incorporating the above said details.

In compliance to the decision taken by the Committee, Punjab Pollution Control Board vide letter no. 81 dated 13.04.2022 was requested to furnish the details of the complaint received against the industry along with the Action Taken by the Board against these complaints. The report of Punjab Pollution Control Board is awaited.

Deliberations during 221st meeting of SEAC held on 27.05.2022.

The meeting was attended by the following:

- (i) Mr. Luxmipati Shriram, Vice President of M/s Akums Lifesciences Limited.
- (ii) Mr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.
- (iii) Mrs. Simranjit Kaur, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

The Project Proponent presented the ADS reply of the aforementioned observations as under:

Sr. No.	Observations	Reply
1.	The Project Proponent shall submit the pointwise compliance of the General & Specific conditions as appended in the EIA Notification dated 14.09.2006.	<p>Point wise compliance of general and specific conditions submitted, as under:</p> <ol style="list-style-type: none"> 1. No protected area under the Wild Life (Protection) Act, 1972 (53 of 1972) falls within 5 km of project location. 2. No critically polluted area falls within 5 km of project location. 3. No eco-sensitive area falls within 5 km of project location. 4. Punjab-Haryana Boundary is situated at a distance of approx. 400 m from the project location. <p>As per MoEF&CC notification dated 27th March, 2020 and further extension notification dated 16th July, 2021; In view of the COVID-19 pandemic and the requirement to expedite drug manufacturing, all proposals for projects or activities in respect of Active Pharmaceutical Ingredients shall be appraised as Category 'B2' projects.</p>

5.	The Project Proponent shall submit the details of reply submitted to PPCB for the show cause notice issued to the industry.	Submitted.				
6.	The Project Proponent shall provide multi cyclone separator followed by pulse jet bag filter (offline) with rice husk fired boilers of 5-ton capacity each to achieve the prescribed standard of suspended particulate matter and shall provide two stages scrubbing system with incinerator.	Undertaking to the effect that multi cyclone followed by pulse jet bag filter (offline) will be installed as APCD with rice husk fired boilers of 5 TPH capacity each. Further, to stages scrubbing system will be provided as APCD on incinerator.				
7.	The Project Proponent shall submit the details of source of process emission /fugitive emission being employed in Pilot Plant, Manufacturing Block A & B and process stacks where packed bed scrubber /scrubber are proposed to control the emissions.	Sl. No.	Description	Fugitive emissions	Existing APCD	Proposed APCD
		1.	Pilot plant	Acid mist as HCL and VOCs from use of ethanol, etc. will be generated as fugitive emissions	Packed bed scrubber with stack ht. of 3 m above roof.	-
		2.	Manufacturing Block A		Packed bed scrubber with stack ht. of 9 m above roof.	-
		3.	Manufacturing Block B		Packed bed scrubber with stack ht. of 9 m	-

					above roof.	
		4.	Process Stack		-	Scrubber with stack ht. of 3 m above roof.
		5.	Process Stack		-	Scrubber with stack ht. of 3 m above roof.
8.	The Project Proponent shall submit the details of the authorized agencies to whom the hazardous waste shall be given for carrying out recycling and recovery.	Hazardous waste agreement has been done for spent carbon, off specification products, distillation residue, chemical sludge, filter medium, incinerator ash and fuel gas cleaning residue and process residue for the disposal through CSTDF, Ramky Enviro Engineers Ltd. While, spent oil will be given to Golden Petro and empty barrels/containers/drums will be given to M/s Surya Chemicals. Revised hazardous waste agreements in this regard submitted.				
9.	The Project Proponent shall submit NOC for carrying out the rain water harvesting in the village pond.	A request letter from Smt. Ritu Rani, Sarpanch, Gram Panchayat, Village Jaula Kalan, Block Dera Bassi, District SAS Nagar submitted. In the request letter, the Sarpanch of the Village requested the industry for initiating developmental activities related to pond rejuvenation, agriculture etc.				
10	The Project Proponent shall submit the revised water balance for the existing and proposed unit.	Water balance for the existing & proposed scenario submitted. The comparison of the total water demand and waste water generation has been tabulated as under:				
		Sr. No.	Description	Quantity	Revised Quantity	
		1	Total water demand	373 KLD	567 KLD	
		2	Fresh Water demand	265 KLD	375 KLD	
		3	HTDS effluent	52.188 KLD	72 KLD	
		4	LTDS effluent	34.792 KLD	48 KLD	
11	The Project Proponent shall also revise the Environment Management Plan after incorporating the above said details.	Sr. No.	Details	Capital Cost (Rs. Lakhs)	Recurring Cost (Rs. Lakhs/ annum)	
		1.	APCD (Boiler & Incinerator)	55	10	

		2.	STP of 30 KLD capacity	35	10
		3.	MEE upgradation to 130 KLD	325	50
		4.	OCEMS	-	1
		5.	Green belt development with maintenance plan for 3 years	35	35
		6.	Rain Water Harvesting	10	0.5
		7.	Environment Monitoring	Nil	8
		8.	Solid Waste Management (Composter of 50 kg and hazardous waste)	40	15
		9.	Energy Conservation (Solar Panel of 1 MW)	25	2.5
		10.	Disaster and Risk Management	-	10
		11.	CER Activities (Pond Rejuvenation)	30	-
		Total		Rs. 555 Lakhs	Rs. 142 Lakhs/ annum

During meeting, the Committee perused the earlier observations and the reply submitted by the Project Proponent. The Committee observed that Punjab Pollution Control Board vide letter no. 81 dated 13.04.2022 was requested to furnish the details of the complaint received against the industry along with Action Taken by the Board against these complaints. However, the Action Taken report is yet to be received from PPCB.

The Committee decided to again write to Punjab Pollution Control Board for submitting their Action Taken report on the complaints received against the industry within 15 days, failing which, the application proposal of the Project Proponent shall be appraised based on the record available with the Committee.

After deliberations, SEAC decided to defer case till the receipt of the Action Taken report from Punjab Pollution Control Board.

The Member Secretary, SEAC vide letter no. 197 dated 03.06.2022 again requested Punjab Pollution Control Board to furnish the details of the complaint received against the industry along with Action Taken by the Board against these complaints. However, no action taken report has been received from Punjab Pollution Control Board till date.

Deliberations during 223rd meeting of SEAC held on 27.06.2022.

The meeting was attended by the following:

- (i) Mr. Luxmipati Shriram, Vice President of M/s Akums Lifesciences Limited.
- (ii) Mr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.
- (iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

The Committee was apprised that Punjab Pollution Control Board (PPCB) vide letter No. 81 dated 13.04.2022 was requested to furnish the Action Taken Report on the complaints received against the industry. However, no action taken report was received from PPCB. The Member Secretary, SEAC vide letter No. 197 dated 03.06.2022 again requested PPCB to furnish the details of the complaint received against the industry along with action taken by the Board against these complaints within 15 days. However, no action taken report has been received from PPCB. The Committee noted with serious concern regarding non-receipt of action taken report from PPCB.

The Committee decided to again write to Chairman, PPCB for submitting the Action Taken by the Board on the complaints received against the industry to enable the Committee to decide the case.

After deliberations, SEAC decided to defer the case till the receipt of Action Taken Report from PPCB.

Member Secretary SEAC vide letter no. 225 dated 04.07.2022 requested Chairman Punjab Pollution Control Board to furnish the Action Taken Report on the complaints received against the industry. Punjab Pollution Control Board vide email dated 08.07.2022 sent the Action Taken Report on the complaint, the contents of the same are reproduced as under:

“It is intimated that the industry was earlier granted consent to operate under the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981, valid upto 31/3/2022, subject to certain condition as mentioned therein and main additional condition that the industry shall comply with the various directions issued by the CPCB in its show cause notice dated 27/7/2015 and directions dated 3/3/2016 and not to operate without obtaining the requisite permission from CPCB.”

A complaint was received in this office dated 24/1/2022 by M/s Saheed Udham Singh Pollution Control Society regarding dumping of untreated wastewater/ effluent of the industry through the tankers outside the industry, wherever they find the space near the industry.

The industry was visited on 7/2/2022 and found that it had commissioned its unit without obtaining the requisite permission from CPCB and PPCB. The industry is operating without the compliance as well as permission from CPCB. The industry is not complying with the conditions of the consents granted to it under the Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 as well as environmental laws and SOP framed by CPCB for such type of project. The pollution control device installed by the industry does not achieve the prescribed standard by the Board.

Accordingly, the Board has issued notice to issue directions u/s 33-A of the Water (Prevention & Control of Pollution) Act, 1974 as amended in 1988 vide Board's letter no. 1889-90 dated 21/3/2022 along with an opportunity to submit reply within 15-days. The reply submitted by the industry is under verification and further action in the matter is in process."

Deliberations during 224th meeting of SEAC held on 11.07.2022.

The meeting was attended by the following:

- (i) Mr. Luxmipati Shriram, Vice President of M/s Akums Lifesciences Limited.
- (ii) Mr. Sandeep Garg, EIA Coordinator, M/s Eco laboratories Pvt Ltd.
- (iii) Mrs. Jyoti Rani, EIA Coordinator, M/s Eco laboratories Pvt. Ltd.

Punjab Pollution Control Board (PPCB) vide e-mail dated 08.07.2022 reported that the industry was visited on 07.02.2022 and found that it had commissioned without obtaining the requisite permission from CPCB and PPCB. The industry is operating without the compliance as well as permission from CPCB. The industry is not complying with the conditions of the consents granted to it under the Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 as well as Environmental Laws and SOP framed by CPCB for such type of project. Further, the pollution control device installed by the industry it does not achieve the prescribed standard. Further, the Board has issued notice to issue directions u/s 33-A of the Water (Prevention & Control of Pollution) Act, 1974 as amended in 1988 vide Board's letter No. 1889-90 dated 21.03.2022 along with an opportunity to submit reply within 15 days. The reply submitted by the industry is under verification and further action in the matter is in process.

The Committee discussed the report of PPCB and further observed that the consents under the provisions of the Water Act 1974 & Air Act 1981 obtained by the industry had already been expired on 31.03.2022 for the existing products and the industry has yet not obtained renewal of Consent to Operate under the provisions of Water Act, 1974 & Air Act, 1981.

After detailed deliberations, SEAC decided to defer the case till the industry carryout the necessary compliances specifically with regard to allegations made in the complaint and obtain valid consent to operate under the provisions of the Water Act 1974 & Air Act 1981 from Punjab Pollution Control Board.