

Item No. 197.15 Application for obtaining Environmental Clearance under the EIA notification 14.09.2006 for setting up of new Pharmaceutical Park (Bulk drugs & APIs and Formulations) at Village Wazirabad, Distt- Fatehgarh Sahib, Punjab by M/s Punjab Small Industries & Export Corporation Ltd (Proposal No. SIA/PB/NCP/61716/2020).

1.0 Present case:

The project proponent was issued ToR for setting of new Pharmaceutical Park for manufacturing Bulk drugs & APIs and formulations with capacity of 7,30,000 TPA at Village Wazirabad, Distt- Fatehgarh Sahib, Punjab by M/s Punjab Small Industries & Export Corporation Ltd. Project vide Letter no. SEIAA/MS/2020/3221 dated 28.10.2020.

The project proponent has applied for obtaining Environmental Clearance for the above said project and has submitted the EIA report. The case was considered by SEAC in its 197th meeting held on 15.03.2021 and was attended by following on behalf of Project Proponent.

1. Sh. Parminder Singh, Executive Engineer, PSIEC Chandigarh.
2. Mr. MAF Khan, DG Goswami, EIA coordinator, M/s Enkay Enviro Services Pvt. Ltd.

SEAC allowed the Environmental Consultant of the project proponent to present the EIA report which he presented as under:

1.	Nature of project	New
2.	a) Category b) Activity (As per schedule appended to EIA Notification, 2006 as amended time to time)	B1 7(C) Industrial estates/Parks/Complexes/Areas, Export Processing Zones
3.	Whether the project falls in the critical polluted area notified by MoEF&CC/CPCB. (Yes/No)	No
4.	a. Total Project Cost (In Crores):	(a) Total Project Cost : Rs. 153.7 crores; (b) Total project cost breakup is given below:

b. Total project cost breakup at current price level duly certified by Chartered Engineer/ Approved valuer or Chartered Accountant	S. N	Cost Components	In Crores		
	1.	Land	58.43		
	A	Basic Development cost (Civil works, PHE works, Electrical works)	52.48		
	B	CETP on ZLD Technology capacity of 1.5MLD	24.0		
	C	STP along with Tertiary Treatment capacity of 0.5 MLD	3.0		
	F	Add: interest@ 9% for 9 months taking development period of 1.5 years	5.36		
		Sub-Total	84.84		
	G	Add: Contingencies and pretty Establishment Charges (1%)	0.85		
	H	Add: Departmental charges @10%	8.48		
	I	Add: Consultancy Charges @0.7%	0.59		
		Total	94.77		
	3.	Pre-operative Expenses	0.5		
		Total Project Cost	153.7		
5.	Amount of EC Processing Fee deposited by NEFT/DD (Rs. In Lacs)	4,30,000 (25% of the total fee has already been deposited to SEIAA vide UTR no. PUNBH20279971664) The project proponent submitted that the balance fee of Rs. 11.07 lacs will be deposited, as the approval is taking time being a Govt Project.			
6.	Details of technology proposed for control of emissions & effluents generated from project	S. N	Details of proposed APCD/STP/ETP/ZLD/Continuous online monitoring system	Technology to be adopted	Capacity of proposed technology
		1	CETP	ZLD	1.5 MLD

		2	STP	SBR/MBBR	0.5 MLD
		3	APCD	To be provided by the individual industries	
7.	Plot Area Details	Total Plot area : 53.7 hectares (130.32 acres)			
		SN	Landuse	Area (in Acres)	Percentage
		1	Industrial plots	67.93	52.13
		2	Commercial use	6.00	4.60
		3	Public building	4.00	3.07
		4	Elec. Substation	8.00	6.14
		5	Water works/WTP	2.63	2.02
		6	CETP/STP	3.65	2.80
		7	Green/Open space	20.06	15.39
		8	Common Waste Material	1.00	0.77
		9	Road/Rasta	17.05	13.08
		10	Total	130.32	100.00
8.	a. Type of project land as per master plan (Industrial/Agriculture/Any other)	The proposed land falls under Industrial zone of Notified master plan of Mandi Gobindgarh.			
9.	ToR compliance report (Submitted/ not submitted)	ToR compliance Submitted			
10.	Compliance report of public hearing proceedings (Action Taken)	Submitted			

11.	<p>a. 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.</p> <p>b. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.</p>	<p>There is no litigation pending against the industry.</p> <p>No.</p>																						
12.	Raw material details:	<p>In the proposed project is meant for the production and manufacturing of API's and Intermediates involves various raw materials, where chemical reactions will take precipitation, substitution, addition, centrifugation, purifications, solvent recovery etc.</p>																						
13.	Production Capacity details:	<table border="1"> <thead> <tr> <th data-bbox="802 1077 1170 1146">Product Name</th> <th data-bbox="1170 1077 1510 1146">Total (TPA)</th> </tr> </thead> <tbody> <tr> <td data-bbox="802 1146 1170 1283">API & Bulk Drugs, Intermediates and formulations</td> <td data-bbox="1170 1146 1510 1283">2000 TPD/730000TPA</td> </tr> </tbody> </table>			Product Name	Total (TPA)	API & Bulk Drugs, Intermediates and formulations	2000 TPD/730000TPA																
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14.	Manpower requirement (After expansion)	<p>Temporary employment during construction- 500 Permanent employment during Operation- 2500 Total Manpower- 3000</p>																						
15.	Details of Emissions (After expansion)	<table border="1"> <thead> <tr> <th data-bbox="802 1419 867 1503">S N</th> <th data-bbox="867 1419 1049 1503">Source</th> <th data-bbox="1049 1419 1211 1503">Capacity</th> <th data-bbox="1211 1419 1510 1503">Chimney Height (m)</th> </tr> </thead> <tbody> <tr> <td data-bbox="802 1503 867 1587">i</td> <td data-bbox="867 1503 1049 1587">Boiler (21 Nos.)</td> <td data-bbox="1049 1503 1211 1587">1 TPH</td> <td data-bbox="1211 1503 1510 1587">30</td> </tr> <tr> <td data-bbox="802 1587 867 1671">ii</td> <td data-bbox="867 1587 1049 1671">Boiler (23 Nos.)</td> <td data-bbox="1049 1587 1211 1671">2 TPH</td> <td data-bbox="1211 1587 1510 1671">30</td> </tr> <tr> <td data-bbox="802 1671 867 1755">iii</td> <td data-bbox="867 1671 1049 1755">Boiler (06 Nos.)</td> <td data-bbox="1049 1671 1211 1755">3 TPH</td> <td data-bbox="1211 1671 1510 1755">30</td> </tr> <tr> <td data-bbox="802 1755 867 1829">iv</td> <td data-bbox="867 1755 1049 1829">Boiler (01 Nos.)</td> <td data-bbox="1049 1755 1211 1829">5 TPH</td> <td data-bbox="1211 1755 1510 1829">30</td> </tr> </tbody> </table>			S N	Source	Capacity	Chimney Height (m)	i	Boiler (21 Nos.)	1 TPH	30	ii	Boiler (23 Nos.)	2 TPH	30	iii	Boiler (06 Nos.)	3 TPH	30	iv	Boiler (01 Nos.)	5 TPH	30
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		v	Boiler (01 Nos.)	45 TPH	30
		vi	DG Set	5*100 KVA	15 m above roof level
		vi	DG Set	21*200 KVA	15m above roof level
		i			
		vi	DG Set	30*500 KVA	15 m above roof level
		ii			
		ix	DG Set	03*1000 KVA	30 m above roof level
16.	Hazardous/Non-Hazardous Waste Generation details & their storage, utilization and its disposal. Copy of Agreement clearly mentioning the Quantity	<p>The PSIEC shall make proper arrangement for storage & disposal of ETP sludge as per the provisions of Hazardous Waste Management Rules), 2016.</p> <p>Further the individual industries shall also make proper arrangement for storage & disposal of ETP sludge/ other hazardous wastes as per the provisions of Hazardous Waste Management Rules), 2016.</p>			
		S			
		.			
		N	Particulars	Total (kg/day)	Treatment/ disposal
		o			
		1.	Hazardous waste (ETP sludge) from CETP	6MT/day (i.e:180MT/month)	It is will be sent to the authorized Hazardous waste disposal & landfill facility at TSDF- Nimbua after getting the MOU with the facility.
17.	Solid Waste generation and its mode of disposal:	S			
		.			
		N	Particula	Total (kg/day)	Treatment/ disposal
		o	rs		

		1	Municipal Solid Waste	600kg/day i.e:18 MT/month	It is being sent to Authorized MSW landfill disposal facility with the local administration		
		2	STP Sludge(biological treatment)	300kg/day (i.e.: 9 (MT/month)	will be used as manure		
18.	Waste water generation & its disposal Arrangement in Operation Phase:	Particulars	Fresh Water Demand (MLD)	Recycled / Reuse*	Total	Waste water generation (MLD)	Effluent Treatment & disposal facility
		Domestic	0.5	-	0.5	0.4	STP (Capacity-0.5 MLD) and 0.396 MLD reused in green area/Horticulture.
		Green Belt	-	0.396*	0.396*	-	STP Treated water 0.396 MLD used in green area/Horticulture.
		Industrial	1.5	1.4	2.9	1.480	Waste water will be treated in CETP (1.5 MLD capacity) followed by RO plant with MEE and recycled in Cooling Tower & process to maintain the ZLD.
		Total	2.0	1.4	3.4	1.88	1.4 MLD treated water will be used in Cooling tower/process & 0.396 MLD treated water

						will be reused in green area/ Horticulture.
19.	Details of the block in which the project site is located as per CGWA guideline (Notified/ Non-Notified area and name of block)	Sirhind block-Over exploited category as per CGWB report of Fatehgarh Sahib District. However, PSIEC shall draw water from nearby canal.				
20.	Breakup of Water Requirements & its source in Operation Phase:	S. N	Water Requirement	Amount		
		1	Initial One-time Requirement of Water Demand in Proposed Pharma Park	3.40MLD		
		2	Recycled Water to be used in Pharma Park	1.40 MLD		
		3	Net Requirement of Water on Daily Basis	2.00 MLD		
		Source: Punjab Water Sources Department through Rajbaha canal.				
21.	Water balance chart for Summer, Rainy and Winter seasons (Submitted/Not Submitted)	Presented				
22.	Rain Water utilization proposal during monsoons (Submitted/Not Submitted)	Rain water harvesting structures (rainwater collection tanks, recharge pits,etc.) will be maintained at individual plots and the collected rainwater will be reused after appropriate treatment for various industrial activities and greenbelt development. Rainfall available for harvesting after runoff: 256154.9 m3/annum				
23.	Rain Water Harvesting proposal (within/outside premises) along with NOC from concerned	The rain water will be guided through network of storm water drains inside the boundary into settling tank which will be further connected into recharge				

	village sarpanch (Submitted/Not Submitted)	pits which will be constructed in order to harvest rain water as per gradient of drains.			
24.	Blockwise details of no. of trees to be planted in proposed greenbelt area(1500 Trees to be planted @ 10000 Sqm area):	S no	Year	Proposed No of plants	Proposed Species
		1	2021-22	5570	Species have been suggested by considering various biological and environmental roles of the various plant species like Dust Control, Noise Control, Absorptions of Gases, Drought resistance, Fire Resistance etc. Also some flowering herbs and shrubs have been suggested to enhance aesthetic beauty of the project site area.
		2	2022-23	5570	
		3	2023-24	5570	
		4	2024-25	5570	
		5	2025-26	5570	
		Total			
<p><u>Budget</u></p> <p>A capital cost provision of Rs. 1,11,40,000/- has been kept for development of greenbelt as given in Table below The budget includes cost of digging of pits, fertilizers, saplings and maintenance @400/- per sapling in next five years.</p>					
25.	Energy requirements & savings: Energy saving measures to be adopted within industry:	The details of the energy are given below:			
		Category	Net Load (MW)	DG Set Capacity (assumed) - MW	
		Anchor Unit	21.92	25%	5.48
		Other Industrial Units	1.05	50%	0.53
		Commercial	5.71	80%	4.57
		Others including STP	0.33	100%	0.33
		Total (Estimated load in MW) :	29.01		10.90

		Estimated load in MVA (power factor= 0.9):	32.23 MVA		12.11 MVA																												
		<p>Details of Energy saving measures adopted within the industry: Solar energy is proposed as an alternative energy for street lighting and the details are given in Chapter 5, Section5.4.</p>																															
26.	EMP Budget details	<p>EMP budget details:</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 5%;">S. No.</th> <th style="width: 45%;">Description of Item</th> <th style="width: 15%;">Total (In Lacs)</th> <th style="width: 15%;">Recurring Cost (In Lacs)</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Air Pollution Control/ Noise</td> <td>100</td> <td>10</td> </tr> <tr> <td>2.</td> <td>Water Pollution Control</td> <td>2700</td> <td>27</td> </tr> <tr> <td>3.</td> <td>Environmental Monitoring and Management</td> <td>30</td> <td>10</td> </tr> <tr> <td>4.</td> <td>Green Belt Development</td> <td>111.40</td> <td>4.0</td> </tr> <tr> <td>5.</td> <td>Occupational Health</td> <td>20</td> <td>05</td> </tr> <tr> <td colspan="2">Total</td> <td>2961.40</td> <td>56</td> </tr> </tbody> </table> <p>The EHS department head of PSIEC is responsible for the implementation of conditions by MoEF&CC in EC and state PCB in CFE. The organogram of the EHS department is shown in section 6.7 of Chapter 6, Figure 6.0. Individual industries are responsible for maintaining their own EC/CFE/CFO Conditions.</p>				S. No.	Description of Item	Total (In Lacs)	Recurring Cost (In Lacs)	1.	Air Pollution Control/ Noise	100	10	2.	Water Pollution Control	2700	27	3.	Environmental Monitoring and Management	30	10	4.	Green Belt Development	111.40	4.0	5.	Occupational Health	20	05	Total		2961.40	56
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		<p>Details of Environment Management Cell (EMC) responsible for implementation of EMP</p>																															

27.	Details of the activities proposed to be covered under CER be provided in below format:	Not Applicable as per MOEF&CC OM 22-65/2017-IA.III dated 30.09.2020 and OM 22-65/2017-IA.III dated 20.10.2020
28.	Project area involves forest land, (Yes/No),	No forest land is involved in the project area.
29.	Traffic Study Details:	Presented

SEAC raised the following observations to the Project Proponent:

Sr. No.	Observations	Reply
1.	The project proponent has not deposited complete fee for processing application of EC.	Sh. Parminder Singh, Executive Engineer, PSIEC assured that the fee would be deposited before the meeting of SEIAA.
2.	The permission from the Department of Water Resources to draw canal water not submitted.	Sh. Parminder Singh, Executive Engineer, PSIEC assured that the permission would be submitted before the meeting of SEIAA.

SEAC was satisfied with the presentation and the reply to the observations raised by the SEAC by the Environmental Consultant.

After detailed deliberations, SEAC decided to award '**Silver Grading**' to the project proposal under category B1, Activity 7(c) and to forward the application to SEIAA with the recommendations to grant Environmental Clearance for setting up of new Pharmaceutical Park (Bulk drugs & APIs and Formulations) at Village Wazirabad, Distt-Fatehgarh Sahib, Punjab by M/s Punjab Small Industries & Export Corporation Ltd, as per the details mentioned in Form 2, EIA report & subsequent presentation /clarifications made by the project proponent & his consultant and conditions are as under:

Special Conditions:

1. The project proponent shall submit complete application fee before the case is considered by SEIAA.
2. The project proponent shall submit permission from Department of Water Resources for utilization of canal water before the case is considered by SEIAA.