

# STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB

Ministry of Environment, Forest & Climate Change, Government of India O/o Directorate of Environment & Climate Change MGSIPA Complex, Sector 26, Chandigarh-160019 seiaapb2017@gmail.com

No. DECC/SEIAA/2020/3286 To

Registered/E-mail

Date: 05/

Sh. Siddharth Bansal M/s Bansal Envirotech Pvt. Ltd.,

Plot No. 57, Phase I, Industrial Area,

Chandigarh-160030

Mobile No.: +91-79866 52388

Subject:

Environmental Clearance under EIA notification dated 14.09.2006 for establishment of 600 KLD common Effluent Treatment Plant (CETP) located at PSIEC Industrial Focal Point, Chanalon (Kurali), Distt SAS Nagar (Mohali) Punjab by M/s Bansal EnviroTech Pvt. Ltd. (SIA/PB/MIS/ 50730/2020)

This is in reference to your online Proposal No. SIA/PB/MIS/50730/2020 for obtaining Environmental Clearance under the EIA notification dated 14.09.2006 for establishment of 600 KLD Common Effluent Treatment Plant (CETP) located at PSIEC Industrial Focal Point, Chanalon (Kurali), Distt. SAS Nagar (Mohali), Punjab by M/s Bansal EnviroTech Pvt. Ltd. The proposal has been appraised as per procedure prescribed under the provisions of EIA Notification dated 14.09.2006 on the basis of the mandatory documents enclosed with the application viz., Form-2, EIA Report and the additional clarifications furnished in response to the observations of the SEAC. The salient features of the project are as under: -

Sr. No.	Item	Details					
1)	Name & Location of the project	Plot No. 57, F	M/s Bansal EnviroTech Pvt. Ltd. Plot No. 57, Phase I, Industrial Area, Chandigarh.				
	Nature of project	Fresh					
	Activity	7(h), "Common Effluent Treatment Plant"					
	Category as per EIA Notification, 2006	Category B1					
2)	Total Cost of the project	Rs. 6 Crores (Approx.)					
3)	Latitude & Longitude	Corner	Latitude	Longitude			
		Corner A	30.812952°N				
		Corner B	30.813358°N	76.579903°E 76.579896°E			

	*	Corne	or C		30.813309°	N		580901°E	
			Corner C 30.813309 Corner D 30.812952				580904°E		
)	Total Plot Area, Built-up Area, and Green area	S. No.	S. Land use details		Area (in sqm.)		% w.r.t. total area		
		1.	Chemical storage		5	0	1.2		
		2.	area	a I stora	ge	37	7.52	0.92	
			area				15	1.11	
		3.	Parking Area for tankers		321.46		7.93		
		4.							
					ron for	72.1		1.77	
		5.	The second secon		,				
		6.					51	1.25	
			sludge room 7. Green area			13	82.39	34.11	
		8.	ET	P-UF-F	RO and	20	93.13	51.64	
			complete with all						
	7	-	allied works		4.05	2.60	100		
THE			Total Area Sr. Name of Raw Mat			Qua	ntity (kg/ Day)		
5)	Raw Material	La San Allen	Sr. Name of Raw Ma				- 14		
		INC	1. Acid/ Alkali		for 100		0		
			Equalization Tan		K	-	_		
			2. Lime/ Caustic			200 150			
-			<ol> <li>Alum/ PAC</li> <li>Poly</li> <li>SMBS</li> </ol>		/ PAC	5		J	
								1	
					10				
1		1	6. Antiscalent 7. Hypochloride		f	or 1			
			7. Hypochloride Membrane Clea						
			8. Hydro Chloric		o Chloric	Acid for 1		5	
			Membrane Clea		brane Clea	ning		-	
			9.	DO (	Jeaning Che	emicals		5	
6	Manpower (when fully operational)	45 th	ne site	and r	emaining w	ill be no	aurig ii	I be reside within ncluding drivers.	
-	7) Water		Break up of water requirement Fresh Water: 2.5 KLD		of water	Source			
	Requirement 8 source during operation				PSIEC water works		er works		
	phase						1-	mathod	
-	8) Disposal Arrangement	of	Details Quantity		Disp	osai r	method		

	treated waste water	Industrial Effluent Domestic effluent	450 KLD	It will be given to PSIEC for the utilization in industries of Focal Point, Chanalon and to the green area  It will be treated in already installed STP of PSIEC in			
0)			.8	Industrial Focal Point,			
9)	Solid waste generation and its disposal	Minimal quantities of MSW will be generated from the project during construction and operation (approx. 8 kg/day) which will be segregated and managed as per the Solid Waste Management Rules, 2016. Solid waste will be disposed of to designated site of PSIEC.					
10)	Hazardous Waste &E- Waste	<ul> <li>(i) Spent/used oil (Cat. 5.1) of quantity 100 litre/annum will be sold to approved recyclers.</li> <li>(ii) ETP Sludge (Cat. 35.3) of quantity 3000 kg/day will be Handed over to Nimbua Greenfield (Punjab) Pvt. Ltd. Hazardous Waste Management Facility.</li> <li>(iii) 3. Minimal amount of E-waste will be generated from the project which will be managed as per E-Waste (Management) Amendment Rules, 2018.</li> </ul>					
11)		(i) 150 KW Power Load from Punjab State Power Corporation Limited (PSPCL).  (ii) 1 DG set of capacity 200 KVA each.  (iii) Energy Saving measures:  Various measures will be provided for energy conservation like energy efficient pumps and motors, flame proof cables, IE3 motor, LED bulbs and solar lights will also be provided.					

The case was considered by the SEAC in its 194th meeting held on 23.10.2020 wherein, the Committee observed that the project proponent has provided adequate and satisfactory clarifications to the observations raised by it. Therefore, the Committee awarded 'Silver Grading' to the project proposal and decided to forward the case to the SEIAA with the recommendation to grant environmental clearance to the project proponent under EIA notification dated 14.09.2006 for establishment of the project subject to certain conditions in addition to the proposed measures.

Thereafter, the case was considered by the SEIAA in its 173<sup>rd</sup> meeting held on 30.10.2020. The SEIAA observed that the case stands recommended by SEAC and the Committee awarded 'Silver Grading' to the project proposal. The Authority looked into all the aspects of the project proposal in detail and was satisfied with the same.

Therefore, the Authority decided to accept the recommendations of SEAC and grant Environmental Clearance for the establishment of the "600 KLD Common Effluent Treatment Plant (CETP)" on total land area of 4,046.85 sqm located at PSIEC Industrial Focal Point, Chanalon (Kurali), Distt. SAS Nagar (Mohali), Punjab as per the details

mentioned in the Form 1, 1A, EMP & subsequent presentation /clarifications made by the project proponent and his consultant with, proposed measures and with the conditions as recommended by SEAC & certain amendments therein & agreed by the Project Proponent.

Accordingly, SEIAA, Punjab hereby accords Environmental Clearance for the above project under the provisions of EIA Notification dated 14.09.2006 and its subsequent amendments, subject to proposed measures and strict compliance of terms and conditions as follows:

### I. Statutory compliance:

- The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for nonforest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the sixmonthly compliance report. (in case of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981, and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned Punjab Pollution Control Board.
- v. The project proponent shall obtain the necessary permission from the Central Ground Water Authority/competent authority concerned, in case of drawl of ground water and also in case of drawl of surface water required for the project.
- vi. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vii. The project proponent shall comply with the siting criteria, standard operating practices, code of practice and guidelines if any prescribed by the SPCB/CPCB/MoEF&CC for such type of units.
- viii. The project proponent shall comply with the CLU conditions imposed by competent authority, if any.

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- ix. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- x. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

# II. Air quality monitoring and preservation

- The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Diesel generating sets shall be installed, in the downwind directions.
- Appropriate Air Pollution Control (APC) system shall be provided for fugitive dust from all vulnerable sources, so as to comply prescribed standards.
- iii. The project proponent shall provide covered sheds for raw materials.

### III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules I 986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
- iii. There shall be flow meters at inlet and outlet of CETP to monitor the flow. Suitable meters shall be provided to measure the quantity of effluent received, quantity of effluent recycled/reused and discharged.
- iv. The units and the CETP will maintain daily log book of the quantity and quality of discharge from the units, quantity of inflow into the CETP, details of the treatment at each stage of the CETP including the raw materials used, quantity of the treated water proposed to be recycled, reused within the Industrial park/units, quantity of the treated effluent discharged. All the above information shall be provided on- line of the web site exclusively prepared for the purpose by the CETP owner. The website shall be accessible by the public. The financial and energy details of the CETP will also be provided along with details of the workers of the CETP.
- v. The CETP operator will maintain an annual register of member units which will contain the details of products with installed capacities and quality and quantity of effluents accepted for discharge. This will form a part of the initial and renewal

- applications for consent to operate to be made before the State Pollution Control Board.
- vi. No changes in installed capacity, quality or quantity of effluents as agreed upon in the initial MOU between the operator and the member units, addition of any new member units shall be carried without prior approval of the ministry.
- vii. The Unit shall inform the State Pollution Control Board at least a week prior to undertaking maintenance activities in the recycle system and store/dispose treated effluents under their advice in the matter.
- viii. The unit shall also immediately inform the Pollution Control Board of any breakdown in the recycling system, store the effluents in the interim period and dispose effluents only as advised by the Pollution Control Board.
- ix. The MoU between CETP and member units shall indicate the maximum quantity of effluent to be sent to the CETP along with the quality.
- x. The unit shall maintain a robust system of conveyance for primary treated effluents from the member units and constantly monitor the influent quality to the CETP. The Management of the CETP and the individual member 'shall be jointly and severally responsible for conveyance and pre-treatment of effluents. Only those units will be authorized to send their effluents to the CETP which have a valid consent of the Pollution Control Board and which meet the primary treated standards as prescribed. The CETP operator shall with the consent of the State Pollution Control Board retain the powers to delink the defaulter unit from entering the conveyance system.
- xi. The effluent from member units shall be transported through pipeline. In case the effluent is transported thorough road, it shall be transported through CETP tankers only duly maintaining proper manifest system. The vehicles shall be fitted with proper GPS system.
- xii. Before accepting any effluent from member units, the same shall be as permitted by the SPCB in the consent order. No effluent from any unit shall be accepted without consent from SPCB under the Water Act, 1974 as amended.
- xiii. Treated water shall be disposed on land for irrigation. An irrigation management plan shall be drawn up in consultation with and to the satisfaction of the State Pollution Control Board.
- xiv. The Project proponents will build operate and maintain the collection and conveyance system to transport effluents from the industrial units in consultation with and to the satisfaction of the State Pollution Control Board and ensure that the industrial units meet the primary effluent standards prescribed by the State Pollution Control Board.
- xv. The State Pollution Control Board will also evaluate the treatment efficiency of the Effluent Treatment Plant (ETP) and its capability of meeting the prescribed standards. The final scheme of treatment would be such as is approved by the Pollution Control Board in the Consent to Establish.

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xvi. The project proponents will create an institutional arrangement for the involvement of individual members in the management of the CETP.

### III. Noise monitoring and prevention

- Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of sixmonthly compliance report.
- ii. Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipments.
- Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

### IV. Energy Conservation measures

- The project proponent shall provide solar power generation on rooftops of buildings, solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- The project proponent shall provide the for LED lights in their offices.

### V. Waste management

- ETP sludge generated from CETP facility shall be handled and disposed to nearby authorized TSDF site as per Hazardous and Other Waste Management Rules, 2016.
- ii. Non Hazardous solid wastes and sludge arising out of the operation of the CETP shall be adequately disposed as per the Consent to be availed from the State Pollution Control Board. Non Hazardous solid wastes and sludge shall not be mixed with Hazardous wastes.
- iii. The CETP shall have adequate power back up facility, to meet the energy requirement in case of power failure from the grid.
- iv. The site for aerobic composting shall be selected and developed in consultation with and to the satisfaction of the State Pollution Control Board. Odour and insect nuisance shall be adequately controlled.
- Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- vi. The solid wastes shall be segregated, managed and disposed as per the norms of the Solid Waste Management Rules, 2016.

#### VI. Green Belt

i. Green belt shall be developed in an area 1383 sqm (33 %) of the plant area with tree species in accordance with SEIAA guidelines. Total 620 trees to be planted without accounting the shrubs shrubs and protect the same with tree guard made of concrete. The greenbelt shall inter alia cover the entire periphery of the plant.

# VII. Public hearing and Human health issues

- Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- v. The project proponent shall carry out the activities apart from CER activities and spent an amount as commuted during the public hearing as per the public hearing action plan.

# VIII. Corporate Environment Responsibility

i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. The project proponent shall adhere to the commitments made in the proposal for CER activities and spend atleast minimum amount of Rs. 12 Lacs towards following CER activities:

Sr. No.	Activities	Cost (Rs. Lacs)	Timeline		
	Activities		Start Date	End date	
1.	Adoption of Govt. High School, Village Singhpura, to improve its education quality and infrastructure by providing:  (i) Library, furniture, computer, books (Rs. 4 Lakhs)  (ii) Washroom construction (Rs. 2 Lakhs)  (iii) Badminton court construction	12 Lakhs	After grant of EC	2 years	

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(Rs. 3 Lakhs)		
(iv)Boundary wall repair & painting		
(Rs. 2 Lakhs)	× ===	
(v) Providing water coolers for		
drinking water (Rs. 1 Lakh)		1
Total	12 lakhs	

The amount to be spent on CER activities shall be proportionate to the amount spent on project & such activities shall run parallel to the project execution. All the activities must be completed with the completion of the project.

- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions to all / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of sixmonthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The Year-wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. The project proponent shall spent minimum amount of Rs 500 Lacs towards the capital cost and Rs 12 Lacs/annum towards recurring cost including the Environmental monitoring cost during the construction phase and Rs. 75.5 lacs per annum towards recurring cost including the monitoring cost during the operation phase for the implementation of EMP as proposed in the EMP plan. Year-wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-monthly Compliance Report.
- v. Self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.

#### X. Validity

i. This environmental clearance will be valid for a period of seven years from the date of its issue or till the completion of the project, whichever is earlier

#### XI. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition, this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
- v. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vi. The criteria pollutant levels or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- vii. The project proponent shall inform the Regional Office of the Ministry and PPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA /EMP report, commitment made during Public Hearing and also that during their presentation to the State Expert Appraisal Committee and SEIAA.
- x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

- xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xii. The SEIAA/Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The SEIAA/ Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.
- xiv. The Regional Office of this Ministry and Punjab Pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office and PPCB by furnishing the requisite data / information/monitoring reports.
- xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

#### **Additional Conditions: -**

- The project proponent will not provide rain water harvesting within the project premises.
- ii) The project proponent shall track the transporting vehicle used for the treated waste water with the GPS technology.
- iii) The Project proponent shall install the online continuous monitoring system at the inlet/ outlet of the industry.
- iv) The project proponent shall impose a condition in the agreement made with the member industry that industry shall install a sensor system in the untreated water collection tank connect the same with the online system for displaying the water level of the tank.
- v) The project proponent shall dispose of the entire treated wastewater through the PSIEC pipeline laid in the Focal Point area to utilize the same back into the industrial process and green areas.
- vi) The project proponent shall obtain the 'No Objection Certificate' (NOC) from PSIEC regarding the connectivity of the outlet of the treated wastewater of the CETP with the treated wastewater pipeline laid in the Focal Point area, within two months, from the date of issuance of environmental clearance and submit the same to SEIAA.

Member Secretary

Date 05/1//2020

Endst. No. 3287-3295

A copy of the above is forwarded to the following for information & further necessary action please.

E-mail

- The Secretary to Govt. of India, Ministry of Environment and Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
- 2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-office Complex, East Arjun Nagar, New Delhi.
- The Chairman, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
- The Chairman, Punjab State Power Corporation Ltd, the Mall, Patiala.
- 5. The Deputy Commissioner, SAS Nagar.
- The Additional Principal Conservator of Forests (C), Ministry of Environment, Forests & Climate Change, Northern Regional Office, Bays No. 24-25, Sector- 31-A, Chandigarh.
- 7. The Chief Town Planner, Department of Town & Country Planning, 6<sup>th</sup> Floor, PUDA Bhawan, Phase-8, Mohali.
- 8. The Joint Director, Ministry of Environment and Forest, Northern Regional Office, Bays No.24-25, Sector—31-A, Chandigarh. The detail of the authorized Officer of the project proponent is as under:

a) Name of the applicant:

Mr. Siddharth Bansal

b) Phone Number

+91-79866 52388

c) Email Id

: sid@bansalenvirotech.com

9. Monitoring Cell, Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhawan, Jorbagh Road, New Delhi - 110003.

**Member Secretary** 

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