



Issued To: M/s Century Plyboards India Ltd.,  
Distt. Hoshiarpur.  
Ref No.: PBIP/LORC1/1601344394

**INVEST  
PUNJAB**  
Letter of Regulatory Clearances

## **II. CONSENT TO ESTABLISH (NOC) OF PUNJAB POLLUTION CONTROL BOARD**

**SUBJECT:** Grant of 'Consent to Establish' (NOC) for establishment of industrial unit u/s 25 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981 to M/s. Century Plyboards India Ltd., Village Daulowal, P.O. Bhikhowal, Hoshiarpur-Dasuya Road, Distt. Hoshiarpur.

This is in reference to the application of the industry for grant of 'Consent to Establish' (NOC) for establishment of industrial plant for production of MDF Board @ 450 TPD, Plywood @ 54.55 TPD & Block Board @ 61.36 TPD, u/s 25 of Water(Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air(Prevention & Control of Pollution) Act, 1981.

The industry is, hereby, permitted for establishment of industrial plant and to discharge the effluent(s) & emission(s) arising out of its premises subject to the following conditions:-

### **A. Particulars of the industry:**

Name of the Applicant	Mr. Amit Gupta
Name of the Director	Mr. Sajjan Bhajanka, Chairman
Address of industrial premises	M/s. Century Plyboards India Ltd., Village Daulowal, P.O. Bhikhowal, Hoshiarpur-Dasyua Road, Distt. Hoshiarpur.
Capital investment of the industry	Rs. 444.00 Crores
NOC fee details	Rs. 3,00,500/- deposited vide PBIP Receipt No. 557 dated 16/2/2016

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**PUNJAB BUREAU OF INVESTMENT PROMOTION**  
DEPARTEMENT OF INVESTMENT PROMOTION  
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Raw Materials with quantity per day	<ul style="list-style-type: none"><li>• Agro Wood &amp; wood waste @ 1325 TPD</li><li>• Resin @ 61.630 TPD</li><li>• Wax @ 4.500 TPD</li><li>• Face Veneer @ 28636.360 Sqm.</li></ul>	
Products with quantity per day	<ul style="list-style-type: none"><li>• Medium Density Fiber Board @ 450 TPD</li><li>• Plywood @ 54.550 TPD</li><li>• Block Board @ 61.360 TPD</li></ul>	
Details of machinery and process	As per the NOC application submitted by the industry.	
Quantities of effluent in KLD	<b>Description</b>	<b>Quantity</b>
	Trade effluent	250
	Domestic effluent	150
Effluent Treatment plant / Sewage Treatment Plant details	<ul style="list-style-type: none"><li>• ETP @ 250 KLD capacity based on anaerobic treatment followed by aerobic treatment will be installed by the industry.</li><li>• STP @ 150 KLD capacity will be installed for treatment of domestic effluent.</li></ul>	
Mode of Disposal	<b>Trade Effluent</b> : Onto land for irrigation/ Plantation <b>Domestic Effluent</b> : Treated wastewater @ 75 KLD will be reused for flushing purposes and rest will be discharged onto land for plantation.	
Standards to be achieved under Water (Prevention & Control of Pollution) Act, 1974.	As per standards prescribed by the MoEF/CPCB/ PPCB.	

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Sources of emissions and type of pollutants	<ul style="list-style-type: none"><li>Wood fired furnace of 45.3 G Kcal /hr. capacity which will feed to Thermic fluid heater and Steam generation Boiler of 18 TPH capacity.</li><li>Silent type D.G set of 1000 KVA capacity.</li></ul>
Mode of disposal of emissions with stack height	<ul style="list-style-type: none"><li>Multi-cyclones will be installed as APCDs with the proposed furnace, Thermopack &amp; Boiler.</li><li>Stack of adequate height will be provided with Multi cyclones/ Cyclone and D.G set.</li></ul>
Name & Quantity of fuel required	<ul style="list-style-type: none"><li>Wood waste @ 369 TPD</li><li>HSD for operation of D.G. set</li></ul>
Standards to be achieved under Air (Prevention & Control of Pollution) Act, 1981	As per standards prescribed by the MoEF/ CPCB/ PPCB.

**B. Particulars of Consent to Establish (NOC) granted to the industry**

<b>No. PBIP/PPCB/2016/CTE - 102</b>	Date of issue	<b>7/04/2016</b>
	Date of expiry	<b>6/04/2017</b>

**C. Main Conditions:**

1. The Consent to Establish (NOC) is valid for period of one year from the date of its issue or till the commissioning of the industry, whichever is earlier.
2. The industry shall ensure that the distance between the source of pollution and residential area (Village abadi / staff colony of industry) shall be more than 100 meters and the industry shall install its main plant as proposed in the site plan i.e. near the Hoshiapur-Dasuya Road.

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3. The industry shall obtain License under Punjab Regulation of Saw Mills, Veneer and Plywood Industries Rules, 2006 for setting up of wood based industry and shall submit the same at the time of obtaining Consent to operate from the Board.
4. The industry shall submit detailed design of Effluent Treatment Plant & Sewage Treatment Plant within a period of two months or atleast one month before starting the construction/ installation of equipment, whichever is earlier.
5. The industry shall install effluent treatment plant/ air pollution control devices simultaneously along with the main project, so as to contain the various pollutants in the effluent / emissions discharged by the industry within the prescribed limits of the Board.
6. The industry shall develop proper & adequate green area for utilization of treated domestic effluent alongwith proper pipeline network for disposal of treated effluent onto land for plantation/ irrigation, well before commissioning of the unit.
7. The industry shall make provision of dual plumbing for recycling of treated waste water for flushing purposes.
8. The industry shall install Electromagnetic flow meters (EMF) at the source of water supply and at the inlet and outlet of the ETP as well as STP.
9. The industry shall not consume any fuel except wood waste in furnace and HSD for D.G set for burning purposes without the prior written permission of the Board.

**D. General Conditions:**

1. The industry shall apply for Consents of the Board as required under the provision of Water Act, 1974, Air Act, 1981 & Authorization under Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, well before the commissioning of the project.
2. The project has been approved by the Board from pollution angle and the industry shall obtain the approval of site from other concerned departments, if need be.
3. The industry shall provide adequate arrangements for fighting the accidental leakages/ discharge of any air pollutant/gas/liquids from the vessels, mechanical equipments etc. which are likely to cause environmental pollution.

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4. The industry shall comply with any other conditions laid down or directions issued by the Board under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 from time to time.
5. Nothing in this N.O.C. shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities or penalties to which the applicant is or may be subjected under the provisions of the Water/Air Acts respectively.
6. The industry shall not discharge any effluent (treated or untreated) onto land for stagnation / into any inland surface water at any time or any other unauthorized place by any unauthorized means.
7. All the underground water retaining structures shall be lined with an impervious layer so as to avoid seepage and contamination of sub-soil/water.
8. The industry shall ensure that the emissions from the each stack shall conform to the emission standards laid down by the Board from time to time.
9. The adequacy and efficacy of the Air Pollution Control devices will be the entire responsibility of the industry.
10. The industry shall discharge all gases through a stack of minimum height as specified in the standards laid down by the Board.

a) **STACK HEIGHT FOR BOILER PLANTS**

Sr. No.	Steam Generating Capacity	Stack heights
1.	Less than 2 ton/hr.	9 meters or 2-times the height of neighboring building, whichever is more.
2.	More than 2 ton/hr. to 5 ton/hr.	12 meters
3.	More than 5 ton/hr. to 10 ton/hr	15 meters
4.	More than 10 ton/hr. to 15 ton/hr	18 meters
5.	More than 15 ton/hr. to 20 ton/hr	21 meters

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6.	More than 20 ton/hr. to 25 ton/hr.	24 meters
7.	More than 25 ton/hr. to 30 ton/hr.	27 meters
8.	More than 30 ton/hr.	30 meters or using the formula

For the small boilers using coal or liquid fuels, the required stack height with the boiler shall be calculated by using the formula.

$$H = 14 Q^{0.3}$$

where H = Total stack height in meters from the ground level.

Q=SO<sub>2</sub> emission rate in kg/hr.

**In no case the stack height shall be less than 11 meters.**

**b) Stack height for diesel generating sets:**

Capacity of diesel generating set	Height of the Stack	
0-50 KVA	Height of the building	+ 1.5 mt.
50-100 KVA	-do-	+ 2.0 mt.
100-150 KVA	-do-	+ 2.5 mt.
150-200 KVA	-do-	+ 3.0 mt.
200-250 KVA	-do-	+ 3.5 mt.
250-300 KVA	-do-	+ 3.5 mt.
<b>For higher KVA rating stack height H (in meter) shall be worked out according to the formula:</b> $H = h + 0.2 (KVA)^{0.5}$ where h = height of the building in meters where the generator set is installed.		

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11. The industry shall install separate energy meters to keep record of power consumption for the running and maintenance of pollution control devices/ systems.
12. The pollution control devices shall be interlocked with the manufacturing process of the industry.
13. The industry shall not discharge any fugitive emissions/ odour. All gases shall be emitted through a stack of suitable height/as per the norms fixed by the Board from time to time.
14. The industry shall get its building plans approved under the provisions of section 3-A of Punjab Factory Rules, 1952.
15. The industry shall keep the height of exhaust pipes with ventilation equipments etc. at least 3 meters above the roof level.
16. All amendments/revisions made by the Board in the effluent and/or emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.
17. The Board reserves the right to revoke this "Consent to Establish" (NOC) at any time, in case the industry is found violating any of the conditions of this "consent to establish" and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time.

**(Krunesh Garg)**  
**Chief Environmental Engineer**  
**Punjab Pollution Control Board**  
**Punjab Bureau of Investment Promotion**

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