



Dated: 30.09.2014

Ref: JPR/JSL/2014-15/ 1833

To,

The Member Secretary,
Rajasthan State Pollution Control Board
4, Institutional Area, Jhalana Doongri,
Jaipur

Sub: Environmental Statement for the Financial Year ended on 31st March'14 in respect of Pellet Plant

Sir,

Kindly find enclosed herewith Environmental Statement for the Financial Year ended on 31.03.14 in respect of our Pellet Plant for your reference and records.

Thanking you,

Yours faithfully,
For JINDAL SAW LTD.

S.P.Malik
Authorised Signatory

Encls: a/a

Copy to :

1. The Director, Regional Office, MOEF ,Lucknow.
2. The R.O.RSPCB, Bhilwara
3. Pollution Cell, Bhilwara

**FORM No. A
FORM - V
(See rule 14)**

Environmental statement for the financial year ending the **31st March 2014**

PART-A

(i)	Name and address of the owner/ occupier of the industry operation or process.	: M/s Jindal Saw Limited Khasra No. 9697/6711, Near Tiranga Hill Village: Pur, Distt. Bhilwara, Rajasthan Pin-311802 Industry: Pellet Plant						
(ii)	Industry Category	: Red						
(iii)	Production Capacity	: DETAIL OF PRODUCT WITH QUANTITIES <table border="1" data-bbox="828 934 1510 1039"> <thead> <tr> <th>SN</th> <th>Products</th> <th>Existing capacity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Pellet</td> <td>1.2 MTPA</td> </tr> </tbody> </table>	SN	Products	Existing capacity	1	Pellet	1.2 MTPA
SN	Products	Existing capacity						
1	Pellet	1.2 MTPA						
(iv)	Year of Establishment	: 13 May 2013						
(v)	Date of Last Environment Statement Submitted	: Not Applicable						

PART - B

Water and Raw Material Consumption

(1) Water consumption m³/d

Process	-	156 (approx)
Cooling &	-	
Dust Suppression	-
Domestic	-	25 (approx)
Green Belt	-	30 (approx)

(1) Name of Products

Nature of Products	Process Water Consumption per unit of product output	
	During the previous financial year	During the current financial year
1) Pellet	Not Commissioned	0.07 KL/ ton of Pellet

(2) Raw material consumption

Name of Raw material:		
Consumption of raw material per unit of product Output		
Name of product:	During the previous Financial year	During the current Financial year
1. Pellet	Not Commissioned	1. Magnetite Concentrate - 1.01 MT/ton 2. Bentonite :- 0.01 MT/ton 3. Coal : 0.03 MT/ton 4. Power: 2.42 KW/ton

- Industry may use codes if disclosing details of raw material would violate contractual obligations; otherwise all industries have to name the raw materials used.

PART - C

Pollution discharged to environment/unit of output

(Parameter as specified in the consent issued)

Pollutants	Quantity of pollutants discharged (Mass/day)	Concentration of pollutants in discharges (Mass/volume)	Percentage of variation from prescribed standards with reasons		
(a) Water	Industrial: Domestic:	No wastewater discharge from the manufacturing process. Domestic waste water generated from office toilets is directly discharged into soak pit/septic tank.	Well Within the Prescribed Limits		
(b) Air	Quantity of SPM, SO₂ and NO_x discharged from the Kln were monitored quarterly	Rotary Kiln ESP Stack of Pellet Plant			
		Month	SPM mg/Nm ³	SO ₂ mg/Nm ³	NO _x mg/Nm ³
		September'13	20.12	42.6	386.2
		November'13	47.32	86.7	217.8
		January'14	30.63	46.02	123.6
		Min.	20.1	42.6	217.8
		Max.	47.3	86.7	386.2
		ST. Dev.	19.2	31.2	119.1
	Avg.	33.1	60.9	302.0	

Concentration of Pollutants were well within prescribed standards.

PART - D

HAZARDOUS WASTES

(As specified under Hazardous Wastes/Management and Handling Rules, 1989)

Hazardous Wastes	Total Quantity (MT)	
	During the financial year	During the current financial year
(a) From process During Pellet Plant operation no any hazardous waste generated from the process except used oil which was generated from machinery equipment.	Not Commissioned Under Project Stage	3.35 Used oil was generated 1.06 KL was reused for lubrication in conveyor belts for transportation of raw materials. 2.29 KL was Balance
(b) From pollution control facilities	NA	NA

PART - E
SOLID WASTES

	Total Quantity	
	During the previous financial year	During the current financial year
(a) From process	Not Commissioned Under Project Stage	During pellet manufacturing process, no solid is waste generated.
(b) From pollution control facilities		1. Ash from ESP in MT: 2137 MT The ash generated from ESP being recycled to dust bin and used in the preparation of Pellet by dispatching to proportioning room.
(C)(1)Quantity recycled or reutilized within the unit		C. (1) Quantity recycled or reutilized within the unit: a. Ash from ESP in MT: 2137 MT Reused for preparation of Pellet by dispatching to proportioning room
(2)Sold		Nil
(3)Disposed		Nil

PART - F

Please specify the characterizations (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Hazardous Waste

During Pellet Plant operation no hazardous waste is generated from the process except used oil and which was generated from plant equipment. It is being reused for lubrication in chains, Stacker and conveyor for raw materials transportation. Balance quantity will be sent to registered recycler after obtaining authorization.

Empty /Contaminated Drums: Reused for storing of used oil is being generated from plant equipments. These will be sent to Registered users after obtaining authorization.

Solid Waste:

From ESP (Dust/ash fines):

- Ash generating from high quality low ash-content coal is being recovered from ESP and mixed with green balls.
- The ash generated from ESP being recycled to dust bin and used in the preparation of Pellet by dispatching to proportioning room.

PART - G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

Jindal Saw Ltd. Bhilwara is continuously making efforts to conserve the natural resources as well as environment by adopting clean and green technology in the process. In this regard JSL has installed 5.5 MLD Sewage Treatment Plant at Bhilwara city and by this way we also meet our water requirement for plant operation.

No wastewater discharge from the manufacturing process. Domestic waste water generated from office toilets is directly discharged into soak pit/septic tank.

The pellet plant of M/s Jindal Saw Ltd is being operated in energy efficient technology. The stack emissions from the plant are controlled by ESPs. Bag Filters have been installed at various points to clean the process and arrest the fugitive emissions. The particulate matter collected in the pollution control equipment is recycled in process and neutralizing the cost of operation of pollution control equipments and hence no cost impact on the production cost.

PART - H

Additional measures/investment proposed for environmental protection including abatement of pollution, prevention of pollution.

Green belt development and plantation is given its utmost importance. For conservation of environment, the company has carried out plantation of various species of trees within and outside the premises. Every year we carry out more and more plantation and also taking all possible care, i.e. watering, fencing and using pesticides etc.

In the year 2013-14 around 220 new saplings have been planted within the plant area.

In pellet plant area we are strengthening green belt area in phase manner and our target is to be cover minimum 33% green belt cover area within five years.


The expenditure made by us for the purpose of environmental management during the period 2013-2014 is as follows:

Greenery Development	:	17.2 Lakh
Pollution Control	:	10.5 Lakh (replacement of bag & ESP Maintenance)
Occupational health	:	2.49 Lakh
Environment Monitoring Cost	:	1.36 Lakh
Total Cost	:	31.55 Lakh

PART - I

Any other particulars for improving the quality of the environment

1. We have EHS Department with three separate cells, one for monitoring and one for maintenance of pollution control equipment and one for Green Belt development.
 2. Monitoring of stack emission, ambient air and water quality is being carried out regularly.
 3. Maintenance department is doing regular checking and scheduled maintenance of all the pollution control devices.
 4. Civil deptt is taking care of Housekeeping and water supply.
 5. Horticulture Department is taking care of plantation and green belt development.
- For Every year we are adding new trees to protect our environment.


S.P. Malik
Head Coordination

(S.P.Malik)
Authorised Signatory