

ENVIRONMENTAL STATEMENT REPORT

For Year 2010-2011

Submitted to:

**Punjab Pollution Control Board
(PPCB)**

(FORM -V)
(See Rule 14)

Environmental Audit report for the financial year ending the 31st March

Part -A

- i) Name and address of the occupier
of the industry, operation or process : Sh. Vijay Singla
(Executive Director)
IOL Chemicals &
Pharmaceuticals ltd
Dhaura Complex, Village
Fatehgarh Channa,
Mansa Road
(Trident Complex),
Barnala 148101
- ii) Year of Establishment : 29-09-1986
- iii) Date of last Environmental Audit report : August 2010

Part -B

WATER AND RAW MATERIAL CONSUMPTION

Process	154.17
Cooling	496.35
Domestic	10.00
Boiler	50.55

i) Product Manufactured

S.No	Name of Product	Water consumption per day of products	
		During the previous. Financial year.	During the current Financial year
1	Acetic Acid	28.0 KL	17.22 KL
2	Ethyl Acetate	39.0 KL	57.28 KL
3	Acetic Anhydride	12.0 KL	13.73 KL
4	Ibuprofen	53.6 KL	45.16 KL
5	Monochloro acetic acid	13.0 KL	6.34 KL
6	Acetyl chloride	8.0 KL	5.89 KL
7	IBB	8.0 KL	8.52 KL

ii) Raw Material Consumption

Name of raw Materials	Name of products	Consumption of raw material per unit of output During the previous year (Mt/Mt)	During the current Financial year (Mt/Mt)
Ethyl Alcohol	Acetic Acid	1122 Ltr/Mt	1120 Ltr/Mt
Ethyl Alcohol.	Ethyl Acetate	720 Ltr/Mt.	720 Ltr/Mt.
Acetic Acid.	Ethyl acetate	705 Kg/Mt.	705 Kg/Mt.
Acetic Acid	Acetic Anhydride	1250 Kg/Mt	1250 Kg/Mt
IBB	Ibuprofen	805 Kg/Mt.	830 Kg/Mt.
Chlorine	MCA	850 Kg/Mt	850 Kg/Mt
A/anhydride	Acetyl chloride	1500 Kg / Mt	1450 Kg / Mt
Propylene	IBB	650 Kg/ Mt	600 Kg/ Mt

PART - C
Pollution generated

(Parameters as specified in the consent issued)

Pollutants	Parameters				Percentage of variation from prescribed Standard with reasons	
a) Water	Parameters	Final Outlet of ETP analysis done by PPCB on dated 09.07.2010	Final Outlet of ETP analysis done by PPCB on dated 13.01.2011	Prescribed limits by PPCB	No Variation From Prescribed standards	
	pH	7.9	7.4	6.5-8.5		
	COD(mg/l)	60	144	Less than 250 ppm		
	BOD(mg/l)	13	27	Less than 30 ppm		
b) Air	Point of sample Collection	Unit	Results from PPCB on dated 13.07.2010	Results from PPCB on dated 13.01.2011	Prescribed limits by PPCB	No Variation From Prescribed standards
	Port Hole on Stack after APCD of Boiler 80 TPH	mg/NM ₃	104 mg/NM ₃ at 12%CO ₂	125 mg/NM ₃ at 12%CO ₂	Less than 150 mg/ NM ₃	
	Port Hole on Stack after APCD of Mono Chloro Acetic Acid Section	mg/NM ₃	Not Detected	Not Detected	Less than 35 mg/ NM ₃	
	Port Hole on Stack after APCD of Ketene Furnace	mg/NM ₃	109 mg/NM ₃ at 12%CO ₂	90 mg/NM ₃ at 12%CO ₂	Less than 350 mg/ NM ₃	

PART -D

(HAZARDOUS WASTES)

[As specified under Hazardous waste (Management and Handling) Rules, 1981]

Hazardous waste & Category		Total Quantity	
Name	Category	During the current Financial year	Total Stock of Hazardous waste(up to 31 march 2011)
a) From process Distillation Residue	28.1	4.787 MT	68.506 MT
b) From ETP: ETP Sludge	34.3	3.411 MT	79.166 MT
c) Mobile Oil	5.1	357.5 ltr	939.75 Ltr

PART -E

(SOLID WASTES)

Name of Solid Waste	Total Quantity in Mt	
	During the previous Financial Year	During the current Financial Year
Boiler Ash	18750 Mt	22754 Mt

PART -F

Please specify the characteristics of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes:

S.No	Material	Physical state	Composition	Disposal practice
1.	Distillation Residue	Solid	Organic Solvent waste	Stored in Environmental sound manner
2.	Boiler ash	Solid	SiO ₂	Land filling
3.	ETP Sludge	Solid	Sand and fines	Stored in Environmental sound manner
4.	Mobile oil	Liquid	Used black mobile oil	Stored & sale to authorized recyclers

PART - G

Impact of pollution control measures on conservation of natural resources and Consequently on the cost of production:


IOLCP set up a state of art ETP plant for treating waste water and also using latest air pollution control devices to maintain the ambient environmental conditions. IOLCP main emphasis is on conservation of energy as well as water. IOLCP is awarded with the **National Energy Conservation Award** consecutively for the years 2005, 2006,2007,2008,2009,2010 by **Ministry of Power, Government of India**.

PART - H

Additional investment proposal for environment protection including abatement of pollution.

In this financial year we had install Online SPM analyzer to control air pollution ,Canopy on D.G sets to control noise pollution, and plantation of total 22 acre land in IOL premises according to MoEF,s condition

Dated : 15/2011


(Authorized signatory)
IOL Chemicals and Pharmaceuticals Ltd