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(Maharashtra). Phone No. (02164) 264077, 264377, Fax (02164) 265100.  
E-mail : [satyam@satyampetro.com](mailto:satyam@satyampetro.com) Website : [www.satyampetro.com](http://www.satyampetro.com)

**SATYA**  
Petrochemicals

Date - 25.08.2014

Ref.

To,  
The Member Secretary,  
Maharashtra Pollution Control Board,  
Kalyan Point, 3rd & 4th floor,  
Sion - Matunga Scheme Road no. 8,  
Opp. Sion Circle, Sion (East)  
Mumbai - 400 022.

Sub. : Environmental (Statement) Audit for the April 2013 to March 2014.

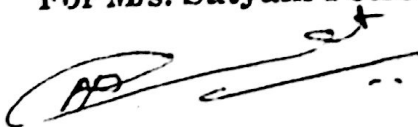
Respected Sir,

We are please to submit herewith the Environmental (Statement) Audit Report for the financial year April 2013 to March 2014 in triplicate through our consultant M/s. Sadekar Enviro Engineers Pvt. Ltd., Thane.

Kindly acknowledge the copy of the same.

Thanking You,

Yours faithfully,  
For M/s. Satyam Petrochemicals Pvt. Ltd.,



Authorized Signatory

Encl.: a/a



25/8/14

**FORM V**

**ENVIRONMENTAL AUDIT REPORT  
(STATEMENT)**

**UNDER ENVIRONMENTAL PROTECTION ACT, 1986**

**FOR THE YEAR  
APRIL 2013 – MARCH 2014**

**FOR**

**M/s. SATYAM PETROCHEMICALS  
At Wanyachiwadi, Post. - Masur,  
Tal. - Karad,  
Dist. - Satara**

**FORM -V**  
**(See Rule 14)**

**Environmental Statement for the financial year ending the**  
**1<sup>st</sup> April 2013 – 31<sup>th</sup> March 2014**

**PART -A**

1. Name and address of the owner/ Occupier of the industry, Operation or process :- **Mr. Rajendra P. Ghute (Partner)**  
**M/s. Satyam Petrochemicals**  
At Wanyachiwadi, Post- Masur,  
Tal: - Karad, Dist: - Satara.
2. Industrial Category :- Red/ L.S.I  
Consent No. BO/MPCB/RO-PN-1800  
13/JD (WPC)/RA/CC-13/06150  
Dated 22/07/2013 valid up to- 31/08/2014

3. Production Capacity

Sr.No	Name of Product	Capacity
1.	Ethanol	1800 MT/M
2.	Ethyl Acetate	4050 MT/M.
3.	Co- generation (power plant)	750 KW
4.	Diethyl Phthalate	20 MT/D

3. Year of establishment :- April 2006.
4. Date of last environmental Audit report submitted :- 27.09.2013

**PART - B**

**WATER BUDGET AND MATERIAL BALANCE**

**1. Water consumption: CMD**

i	Process	:	0.5 CMD
ii	Cooling	:	10 CMD
iii	Domestic	:	2 CMD
iv	Gardening	:	10 CMD
V	Boiler	:	20 CMD

Name of products	Process water consumption per unit of product output	
	During the previous financial year (2012- 2013) (m <sup>3</sup> )	During the current financial year (2013 – 2014) (m <sup>3</sup> )
Ethanol	N.A.	N.A.
Ethyl Acetate	N.A.	N.A.
Diethyl Phthalate	N.A.	N.A.
Power	N.A.	N.A.

\*\*\*\*The water quantity used for production is mentioned in the above water balance table.

## 2. RAW MATERIAL CONSUMPTION

Sr.No		Consumption of raw material per unit of output	
		During the previous financial year 2012-2013	During the current financial year 2013-2014
<b>A</b>	<b>Raw Material</b>		
1.	SDS	9253800 liters/A	13169205 liters/A
2.	Acetic Acid	8734.200 MT/A	12702.72 MT/A
<b>B.</b>	<b>Others</b>		
1.	Bagasse	-	-
2.	HSD	62311 L/A	3770 L/A
3.	Electricity unit(MSEB)	639000 Unit	193970 Unit
4.	Coal	8832.681 MT/A	10129.57 MT/A

- HSD used only during power failure.

## ACTUAL PRODUCTION:-

Sr No.		During the Previous Financial Year 2012-2013.	During the Current Financial Year 2013-2014.
1.	Ethanol	Nil	Nil
2.	Ethyl Acetate	12353.400 M/T	17862.166 M/T
3.	Diethyl Phthalate	Nil	Nil
4.	Power	750KW	750 KW

## PART -C

(Parameters as specified in the consent issued)

A.

Water

B.

Pollution discharged to environment / unit of output:-

Pollutant	Quantity of pollutant discharged Kg/day	Concentration Of pollution in discharges	Percentage Variation from prescribed standards	Standards prescribe by MPCB
1. Domestic	1.6 CMD	--		3.00 CMD
2. Industrial	49 CMD	--		58.50 CMD
a. pH	--	7.18	Within limit	5.5 to 9.0
b. TSS	--	56 mg/lit	Within limit	100 Mg/lit
c. TDS	--	238 mg/lit	Within limit	2100 Mg/lit
d. COD	--	80 mg/lit	Within limit	250 Mg/lit
e. BOD	--	16.21 mg/lit	Within limit	100 Mg/lit
f. O & G	--	1.8	Within limit	10 Mg/lit
g. Sulphate	--	44.35 mg/lit	Within limit	1000 Mg/lit

### 2.0 Stack Emission:-

Carried out the **Boiler** stack Monitoring survey, the results are well within the prescribed limits, are as follows.

#### 1. Test Location :- Boiler Stack

#### ANAYSIS REPORT OF STACK EMISSION

Sr. No.	Parameter	Result	Limits
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Boiler 11 TPH			
1.	Flue gas temperature	123°C	--
2.	Total Particulate matter mg/Nm <sup>3</sup>	86.6 mg/Nm <sup>3</sup>	100 mg/Nm <sup>3</sup>
3.	Sulphur Dioxide Kg/day	143.4 mg/m <sup>3</sup>	800 kg/day
4.	Oxides of Nitrogen mg/Nm <sup>3</sup>	50.65 mg/m <sup>3</sup>	-

Sr. No.	Parameter	Result	Limits
Diesel Generator 1 (500 KVA)			
1.	Flue gas temperature	218°C	—
2.	Total Particulate matter mg/Nm <sup>3</sup>	58 mg/Nm <sup>3</sup>	-
3.	Sulphur Dioxide Kg/day	0.82 mg/m <sup>3</sup>	-
4.	Oxides of Nitrogen mg/Nm <sup>3</sup>	76.80 mg/m <sup>3</sup>	-

Sr. No.	Parameter	Result	Limits
Diesel Generator 2 (500 KVA)			
1.	Flue gas temperature	267°C	—
2.	Total Particulate matter mg/Nm <sup>3</sup>	68.10 mg/Nm <sup>3</sup>	-
3.	Sulphur Dioxide Kg/day	0.86 mg/m <sup>3</sup>	-
4.	Oxides of Nitrogen mg/Nm <sup>3</sup>	68.90 mg/m <sup>3</sup>	-

**PART -D**

**Hazardous Wastes**

**(As specified under Hazardous waste Management & Handling Rules, 2008)**

<b>Sr. no.</b>	<b>Hazardous Waste</b>	<b>Total Quantity (kg)</b>	
		<b>During the previous financial year (2012 - 2013)</b>	<b>During the current financial year (2013 - 2014)</b>
1	Spent Catalyst (35.2)	1.000 MT (Manifest no. 06327 dated. 11.11.2012)	550 Kg (Manifest no. 135228 dated 08.10.2013)

**PART - E**

**SOLID WASTE**

<b>Solid Waste</b>	<b>Total Quantity</b>	
	<b>During the previous financial year (April 2012 - March 2013)</b>	<b>During the current financial year (April 2013 - March 2014)</b>
Boiler Ash	180 MT	163 MT
From Pollution Control Facilities (Sewage)	N.A.	N.A.
Quantity recycled or re - used	N.A.	N.A.



PART - F

**CHARACTERISATION STATEMENT**

**Hazardous waste :**

Sr. No.	Type of Waste	Disposal
1	Spent catalyst	CHWTSDF Ranjangaon

**Non Hazardous (Solid) waste :**

Sr. No.	Type of Waste	Disposal
1	Boiler Ash	Disposed to brick manufacturer

PART - G

**Impact Of the pollution Abatement measures taken on Conservation of natural resources and on the cost of production.**

**1. Water Pollution:** a) **Industrial:** - . Full fledge ETP is provided, treated effluent is used for in – house gardening & for irrigation of plantation and cooling tower.

**2. Air Pollution:** Stack provided to Boiler with sufficient height (30 mtr). Nos. of exhaust system provided at work place area. Boiler is provided with multicyclone filters followed by bag filters to reduce the dust pollution.

**3. Non - Hazardous (Solid) Waste Disposal**

Boiler Ash: Disposed to brick manufacturer

**4. Noise Pollution Aspects:** By using proper maintenance of plant & machinery the unit has successful in controlling the noise within the permissible limits of laws

**5. Green Belt development:** The unit has planted small decorative & show plants within all Factory premises.

**PART - H**

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

- The company has allocated **Rs. 25, 00,000.00 /-** for the purpose of analysis of water/air/Noise, Operation & Maintenance of ETP & Maintenance of fume extraction garden maintenance, safety equipments, Industrial hygiene & environmental protection.

**PART I**

**Any other particulars for improving the quantity of the environment.**

- Regular cleaning and good housekeeping practices are followed.
- The unit has provided first aid facility to their staff wherever necessary
- We have planted many type of trees to reduce the pollution load.
- We have appointed experienced consultant for the necessary guidance & implementation of the necessary pollution control work.
- So far no accident resulting in environmental pollution has taken place.
- We are very keen about the complication of Govt. formalities such as submission of water cess, Renewal of consent etc.