

FORM- V
(See rule – 14)

From:

Narmada Clean Tech (NCT)
Surti Bhagor, Nr. Gujarat Gas Office,
Umarwada Road, Ankleshwar – 393 001, Dist. Bharuch

To,

Gujarat Pollution Control Board
Sector 10 – A,
GANDHINAGAR – 382 043

ENVIRONMENTAL STATEMENT REPORT for the financial year ending the 31st March, 2016

PART- A

- | | | |
|-------|---|--|
| (i) | Name and address of the owner/
Occupier of the Industry, operation or
process | : Alok kumar,CEO
Narmada Clean Tech (NCT)
Surti Bhagor, Nr. Gujarat Gas Office,
Umarwada Road,
Ankleshwar – 393 001 (Dist. Bharuch) |
| (ii) | Date of the last environmental Audit
report submitted | : 02.7.2016(Oct-2015 to March-2016) |
| (iii) | Production Capacity | : Not Applicable
(Large scale FETP unit) |
| (iv) | Year of Establishment | : 2003 |
| (v) | Last Environment Statement
Submitted | : 07/07/2015 |

“Submission of environment statement in accordance with the provision of Rule – 14 of the Environment (protection), amendment rule, 1993 of the environment (protection) act, 1986 (29 of 1986) published wide notification date 22.04.1993 G. S. R. 386 (E) in the gazette of India – extraordinary – Part – II section 3 – subsection (i) no. 155 dated 28-4-1993 by Ministry of Environment and Forest, Government of India. ; read with the notification dated 13-2-1993 G.S.R. 329 (E) of the gazette of India - Extraordinary Part – II Section – 3 subsequent (i) No. 120 dated 13-3-1993.

“Every person carrying on an industry, operation or progress regarding contract under section-25 of the water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) or both or authorization under the hazardous wastes (Management and Handling) rules, 1989 Published under the Environment (Protection) Act, 1986(29 of 1986) shall submit an Environment Statement of the financial year ending the 31st march in Form V to the concerned State Pollution Control Board on or before thirteenth day of the September every year , beginning 1993.”

PART B

Water and Raw Material Consumption

(i) Water consumption m³/d (Annual Average)

Process	: 20 m ³	} 385.00 m ³ (Quantity as CC&A) 191.74 m ³ (Actual per day)
Cooling: (Spraying)	: -----	
Domestic	: 25 m ³	
Plantation	: 340 m ³	

Name of Products	Water consumption per unit of Products	
	During the previous Financial Year	During the Current Financial Year
	(1)	(2)
(1)	<div style="border: 1px solid black; padding: 10px; width: fit-content; margin: auto;"> FETP Business is only to treat waste water from industries of Ankleshwar, Jhagadia & Panoli. No production activity is undertaken at FETP. </div>	
(2)		
(3)		

(ii) **Raw Material Consumption**

Name of raw materials	Name of products	Consumption of raw material per unit of output	
		2014-2015	2015-2016
Lime	Not Applicable	052.940 MT / Month	52.366 MT/Month
Caustic Soda Lye		1028 KG / Month	1661 KG / Month
PAC / SAC		271.208 MT / Month	266.6083 MT/Month
Phosphoric Acid		000.000 MT / Month	1.02 MT/Month
Poly Electrolyte		001.307 MT / Month	1.0 MT/Month

* Industry may use code if disclosing detail of raw material would violate contractual obligation, otherwise all industries have to name the raw material.

PART- C

(Pollution discharges to environment/ unit of output)

(Parameter as specified in the consent issued)

Pollution	2014-2015			2015-2016		
	Quality of Pollutants Discharged (Mass/day)	Concentration of Pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reason	Quality of Pollutants Discharged (Mass/day)	Concentration of Pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reason
COD	19267 Kg/d	541 mg/l	116.34 %	21784 Kg/d	621 mg/l	24.2 %
BOD	899 Kg/d	25 mg/l	Within limit	841.92 Kg/d	24 mg/l	Within limit
TSS	2934.5 Kg/d	82 mg/l	Within limit	2841.48 Kg/d	81 mg/l	Within limit
Ammonical Nitrogen	3790 Kg/d	107 mg/l	112.81 %	6139 Kg/d	175 mg/l	250 %
Sulphides	307.5 Kg/d	8.63 mg/l	72.64 %	305.55 Kg/d	8.71 mg/l	74.2 %
Oil & Grease	57.21 Kg/d	1.61 mg/l	Within limit	59.99 Kg/d	1.71 mg/l	Within limit
Phenolic Comp.	72.03 Kg/d	2.02 mg/l	Within limit	67.70 Kg/d	1.93 mg/l	Within limit
Copper	8.41 Kg/d	0.24 mg/l	Within limit	9.12 Kg/d	0.26 mg/l	Within limit
Lead	6.10 Kg/d	0.17 mg/l	Within limit	14.73 Kg/d	0.42 mg/l	320 % (Due to change in standard)
Nickel	4.16 Kg/d	0.12 mg/l	Within limit	7.72 Kg/d	0.22 mg/l	Within limit
Chromium	1.33 Kg/d	0.04 mg/l	Within limit	12.63 Kg/d	0.36 mg/l	Within limit
Zinc	11.00 Kg/d	0.31 mg/l	Within limit	10.87 Kg/d	0.31 mg/l	Within limit
Cadmium	0.13 Kg/d	0.004 mg/l	Within limit	1.75 Kg/d	0.05 mg/l	Within limit
b) Air	Particulate Matter	Flue Gas Emission takes place in case of DG Set operation. DG Sets are operated in case of power failure only. Pollutant discharge is well within limit as per analysis carried out by MoEF approved laboratory.				
	SO₂					
	NO_x					

Major reason for deviation in discharge of FETP, particularly w.r.t. COD & Ammonical Nitrogen is due to unauthorized discharge.

PART- D

HAZARDOUS WASTES

[As specified under Hazardous Wastes (Management Handling and Transboundary Movement) Rules, 2008]

Hazardous Wastes	Total Quantity (Kg)	
	2014-2015	2015-2016
(a) From process	Not Applicable	Not Applicable
(b) From pollution Control Facilities	8835980 kg	10014500 kg

PART- E

SOLID WASTES

		Total Quantity (Kg)	
		2014-2015	2015-2016
(a)	From process	Not Applicable	Not Applicable
(b)	From pollution Control Facilities	8835980 kg	10325980 kg
(c)	(1) Quantity recycled and reutilized within the unit	-	-
	(2) Solid	-	-
	(3) Disposal	8835980 kg	10325980 kg

PART- F

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

There is no toxic work generation during the process of treatment plant. Only mixed solid waste generated from primary & secondary treatment units is sent to Land fill site - TSDF (BEIL).

PART- G

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

Variable frequency drives are installed at final pump house to conserve energy. As FETP – NCT is an effluent treatment plant & not a production unit, there is no impact on associated cost of production.

PART- H

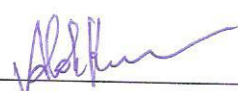
Additional measures / investment proposal for environmental protection including abatement of pollution / prevention of pollution.

1. Five Nos. of Filter presses are installed in current financial year at the cost of 1,66,62,252 to reduce moisture content in solid waste generated & to reduce noise pollution.
2. One open sludge drying bed (Size: 47 meter x 34 meter) is prepared at the cost of 41,75,175 for natural sludge drying. This will help in drying excessive sludge received during monsoon. Also drying cost will be low as energy requirement is almost zero. Based on the success, it is proposed to prepare another such beds.

PART- I

Any other particulates in respect of environmental protection and abatement of pollution.

1. Ground water analysis is carried out monthly.
2. Monthly Environmental Monitoring is carried out by MoEF & NABL accredited agency namely ARAIL, Ankleshwar.
3. NCT is ISO – 14001: 2004 certified company since December, 2008.


(Signature of the person caring out an Industry – operation or process)


Name: Alok Kumar

Designation: CEO

Address: AS ABOVE

Date: 21/09/2016