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, 2017

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	:	**23.11.2016**
(iii)	Production Capacity	:	**Not Applicable** **(Large scale FETP unit)**
(iv)	Year of Establishment	:	**2003**
(v)	Last Environment Statement Submitted	:	**24/09/2016**

"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 m^3/d (Annual Average)

Process	:	**20 m^3**	**385.00 m^3 (Quantity as CC&A)**
Cooling: (Spraying)	:	**------**	
Domestic	:	**25 m^3**	**191.74 m^3 (Actual per day)**
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) (2) (3)	FETP Business is only to treat waste water from industries of Ankleshwar, Jhagadia & Panoli. No production activity is undertaken at FETP.	

(ii) **Raw Material Consumption**

Name of raw materials	Name of products	Consumption of raw material per unit of output	
		2015-2016	2016-2017
Lime	**Not Applicable**	**52.366 MT/Month**	**38.253 MT/Month**
Caustic Soda Lye		**1661 KG / Month**	**1137.5 KG / Month**
PAC / SAC		**266.6083 MT/Month**	**444.59 MT/Month**
Phosphoric Acid		**1.02 MT/Month**	**0 MT/Month**
Poly Electrolyte		**1.0 MT/Month**	**0.63 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		2015-2016			2016-2017		
		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	21784 Kg/d	621 mg/l	24.2 %	23311 Kg/d	681 mg/l	36.2%
	BOD	841.92 Kg/d	24 mg/l	Within limit	1266.51 Kg/d	37 mg/l	Within limit
	TSS	2841.48 Kg/d	81 mg/l	Within limit	2498.79 Kg/d	73 mg/l	Within limit
	Ammonical Nitrogen	6139 Kg/d	175 mg/l	250 %	10611.3 Kg/d	310 mg/l	520%
	Sulphides	305.55 Kg/d	8.71 mg/l	74.2 %	414.183 Kg/d	12.1 mg/l	142%
	Oil & Grease	59.99 Kg/d	1.71 mg/l	Within limit	123.23 Kg/d	3.6 mg/l	Within limit
	Phenolic Comp.	67.70 Kg/d	1.93 mg/l	Within limit	71.58 Kg/d	2.09 mg/l	Within limit
	Copper	9.12 Kg/d	0.26 mg/l	Within limit	24.61 Kg/d	0.72 mg/l	Within limit
	Lead	14.73 Kg/d	0.42 mg/l	320 %(Due to change in standard)	12.18 Kg/d	0.36 mg/l	256%(No change in concentration or treatment, deviation is due to change in norms.
	Nickel	7.72 Kg/d	0.22 mg/l	Within limit	8.73 mg/l	0.26 mg/l	Within limit
	Chromium	12.63 Kg/d	0.36 mg/l	264 %(Due to change in standard)	5.73 mg/l	0.17 mg/l	67.5%(No change in concentration or treatment, deviation is due to change in norms.
	Zinc	10.87 Kg/d	0.31 mg/l	Within limit	13.00 mg/l	0.38 mg/l	Within limit
	Cadmium	1.75 Kg/d	0.05 mg/l	Within limit	2.40 mg/l	0.07 mg/l	40%

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.
	SO_2	
	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)	
	2015-2016	2016-2017
(a) From process	**Not Applicable**	**Not Applicable**
(b) From pollution Control Facilities	**10014500 kg**	**11449440 kg**

PART- E

SOLID WASTES

			Total Quantity (Kg)	
			2015-2016	2016-2017
(a)		From process	**Not Applicable**	**Not Applicable**
(b)		From pollution Control Facilities	**10325980 kg**	**11449440 kg**
(c)	(1)	Quantity recycled and reutilized within the unit	-	-
	(2)	Solid	-	-
	(3)	Disposal	**10325980 kg**	**11449440 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 & equalization 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 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.**
3. **Harmonics Pannel installed to improve power quality and energy saving.**
4. **Online Scada system installed for better monitoring of parameters.**

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: **08-09-2017**