



The Regional Officer,
Orissa State Pollution Control Board
JC DL Campus, Pankapal,
Kalinganagar Industrial Complex,
Dist- Jajpur, Odisha- 755026

KPO/Env/C-05/32 /2017
Sep 22, 2017.

Dear Sir,

Reg: Environmental Statement for the Period 2016-17 for Residential Complex for Tata Steel Plant at Kalinganagar Industrial Complex, Located at Khurunti & Gadapur, Dist- Jajpur

We are enclosing the "Environmental Statement" in Form V duly filled in for the year 2016-2017 for Residential Complex for Tata Steel Plant at Kalinganagar Industrial Located at Khurunti & Gadapur, Dist- Jajpur for your kind consideration.

We trust that you will find the above in order.

Thanking you and assuring you of our best attention.

Yours faithfully,

For Tata Steel Limited

Head, Environment
Tata Steel Kalinganagar

Encl : a/a.

Copy to: Member Secretary, OSPCB, BBSR



TATA STEEL KALINGANAGAR

Jajpur 755 026 India

Registered Office Bombay House 24 Homi Mody Street Fort Mumbai 400 001

Tel 91 22 66658282 Fax 91 22 66657724

Corporate Identity Number I27100MH1907PLC000260 Website www.tatasteel.com

**ENVIRONMENTAL STATEMENT
FOR THE YEAR 2016-17**

**RESIDENTIAL COMPLEX FOR TATA STEEL PLANT AT KALINGANAGAR
INDUSTRIAL COMPLEX**

**ENVIRONMENTAL DEPARTMENT
TATA STEEL KALINGANAGAR
Kalinga Nagar Industrial Complex
Duburi- 755026, Dist- Jajpur, Odisha**

FORM-V

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR 2016-17

For Residential Complex for Tata Steel Plant at Kalinganagar Industrial Located
at Khurunti & Gadapur, Dist- Jajpur

PART-A

i)	Name and address of the owner/ occupier of the industry, operation or process	:	Rajiv Kumar VP, Operations Tata Steel Limited, Block-2, General Admin office Kalinga Nagar Industrial Complex Duburi-755026 Orissa
ii)	Industry Category Primary/(STC code) Secondary (STC code)	:	Residential Complex (Built Up Area- 147380 Square Meter)
iii)	Production Capacity	:	NA
iv)	Year of Establishment	:	-
v)	Date of Last Environmental /Audit Report submitted	:	Fresh Submission

PART-B

WATER AND RAW MATERIAL CONSUMPTION

- i) **Total Water consumed** (m³/day)
- Process : Nil (Construction in progress)
- Cooling : 94.80 (Construction & Spraying on roads)
- Domestic : Nil

Name of the product	Process water consumption per unit of product Output		
	During the previous Financial Year 2015-2016	During the Current Financial Year 2016-2017	
The development is a Residential Complex			
Construction Phase	For Domestic Purpose	Nil	Nil
	For Construction Purpose	5767	34604
Operation Phase		The Residential Development is yet to be commissioned and the envisaged water consumption is to be 800 KLD.	

ii) Raw material consumption:			
Name of Raw Material[#]		Consumption of raw material	
		During the previous Financial Year 2015-2016	During the previous Financial Year 2016-2017
Construction Phase	Ready Mix Concrete	2713 Cum	28684 Cum
	Fly Ash Bricks	140420 Nos.	67580 Nos.
	Cement	1359.3 MT	11247 MT
	Sand	2986 MT	24025 MT
	Diesel	8200 Ltr	89760 Ltr
	Reinforcement	381 MT	3435 MT
Operational Phase	–	The proposed project is construction of residential complex	

- It is a Residential complex without any processing of raw material and there is no production. Readymade material is being used as per the requirement.

PART-C

POLLUTION DISCHARGED TO ENVIRONMENT/ UNIT OF OUTPUT (PARAMETERS AS SPECIFIED IN THE CONSENT ISSUED)

SI No.	Pollutants	Quantity of Pollutants discharged (mass/day)		Concentration of Pollutants discharged (mass/volume)		Percentage of variation from prescribed standard with reasons
		Kg/day		mg/lit		
a)	WATER					–
		FY: 2015-16	FY: 2016-17	FY: 2015-16	FY: 2016-17	–
		No Discharge. The proposed project is construction of residential complex, which is under construction.				
b)	AIR					–
		FY: 2015-16	FY: 2016-17	FY: 2015-16	FY: 2016-17	–
		–		–		–

PART-D
HAZARDOUS WASTES

(AS SPECIFIED UNDER HAZARDOUS WASTES (MANAGEMENT, HANDLING AND TRANS BOUNDARY MOVEMENT RULES, 2008)

Sl. No as per Schedule-I	Hazardous Wastes	Total Quantity (Tonne/year)	
		During the previous Financial Year 2015-2016	During the previous Financial Year 2016-2017
Construction Phase	Used Oil	Nil	Nil
Operational Phase	The project is under construction phase.		

PART-E
SOLID WASTE

Solid waste		Total Quantity Generated	
		During the previous Financial Year 2015-2016	During the previous Financial Year 2016-2017
Construction Phase	Construction debris	Nil	The construction debris and excavated soil generated is reused for backfilling
	Excavated soil	Nil	
Operational Phase	The proposed Residential Development is yet to be commissioned and the expected Solid waste generation is to be 320KG/day.		

PART-F

Characteristics of Hazardous as well as Solid wastes and their method of disposal:

Hazardous/ Solid Wastes		Characteristics	Method of disposal
Construction Phase	Construction Debris	Solid	Used for Levelling the Site and internal road formation
	Used Oil (Hazardous Waste) from DG set	Liquid, Oily	Shall be sold to authorised recycler
Operation Phase	The Proposed building is a residential development and Hazardous wastes like used Oil from the DG Sets, discarded fuel filters and oil filters etc. shall be disposed in compliance with the requirement of Hazardous Waste Management and Handling Rules, 2016.		

PART-G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production

Water sprinkling on roads as pollution control measures to suppress dust generation during transportation, idling of vehicles is reduced to the extent possible and only PUC certified vehicles are used at construction site.

PART-H

Additional investment proposal for environmental protection including abatement of pollution

- The Development is a Residential Complex which have been duly compiling with all Environmental Safeguards / Guidelines imposed in the Environmental Clearance and Consent to Establish.
- Proposed D.G Sets are equipped with acoustic enclosure & stacks of adequate height to reduce the noise and control the stack emission to abate air pollution.
- Energy efficient equipments like CFL and LED lights have been installed to conserve energy.
- Green Belt – Well maintained green area shall be developed at inside and outside of the premises to reduce noise pollution, air pollution and also increasing the scenic beauty.
- Water Management – Drinking water treatment and sewage treatment facility shall be established.

PART-I

(ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF ENVIRONMENT)

- Use of glass will be restricted less than 40 % of the total outer wall area.
- Roofs shall be constructed as per energy conservation building Code (ECBC) norms.
- Opaque walls shall be made as per Energy Conservation Building Code.