



The Member Secretary,  
Odisha State Pollution Control Board,  
A/118, Nilakanthanagar, Unit-VIII,  
Bhubaneswar – 751 012, Odisha.

KPO/Env/C-05/ 35 /2017  
Sep 25, 2017.

Dear Sir,

Reg: Environmental Statement for the year 2017-18 for Residential  
Complex of Tata Steel Plant at Kalinganagar Industrial Complex  
Located at Khurunti & Gadapur, Dist- Jajpur, Odisha.

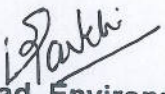
We are enclosing the "Environmental Statement" duly filled in Form V, for  
the year 2017-2018 for Residential Complex of Tata Steel Plant at Kalinganagar  
Industrial Complex located at Khurunti & Gadapur, Dist- Jajpur, Odisha for your  
kind consideration.

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: Regional Officer, OSPCB, KNIC



**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

**ENVIRONMENTAL STATEMENT  
FOR THE YEAR 2017-18**

**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 FORM-V**

(See rule 14)

*Environmental Statement for the financial year 2017-18 ending with 31<sup>st</sup> March*

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 Odisha
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	:	2018 ( April)
v)	Date of Last Environmental /Audit Report submitted	:	25/09/2017

**PART-B**

**WATER AND RAW MATERIAL CONSUMPTION**

- i) **Total Water consumed** (m<sup>3</sup>/day)
- |          |   |  |
|----------|---|--|
| Process  | : | Nil                                      |
| Cooling  | : | 88.86 (Construction & Spraying on roads) |
| Domestic | : | Nil                                      |

Name of the product	Process water consumption per unit of products		
	During the previous Financial Year 2016-2017	During the Current Financial Year 2017-2018	
The development is a Residential Complex			
Construction Phase	For Domestic Purpose	Nil	Nil
	For Construction Purpose	34604 cum ( total)	31705 Cum (total)
Operation Phase	It is envisaged that after full occupancy of the residential complex, water consumption is to be 800 KLD.		

<b>ii) Raw material consumption:</b>			
<b>Name of Raw Material#</b>		Consumption of raw material per unit of output	
		<b>During the previous Financial Year 2016-2017</b>	<b>During the Current Financial Year 2017-2018</b>
Construction Phase/ Operational Phase	Ready Mix Concrete	28684 Cum	29976 Cum
	Fly Ash Bricks	67580 Nos.	9,10,000 Nos
	Cement	11247 MT	10733 MT
	Sand	24025 MT	19953 MT
	Diesel	89760 Ltr	126715 Ltr.
	Reinforcement	3435 MT	2928 MT

# - It is a Residential complex without any processing of raw material and there is no production. Ready-mix material is 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: 2016-17	FY: 2017-18	FY: 2016-17	FY: 2017-18	–	
		<b>No Discharge.</b>					–
		There is no occupancy in Residential Complex during FY 18					
b)	AIR	FY: 2016-17	FY: 2017-18	FY: 2016-17	FY: 2017-18	–	
		<b>No Discharge.</b>					–
		There is no occupancy in Residential Complex during FY 18					

**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 (Kg)	
		During the previous Financial Year 2016-2017	During the Current Financial Year 2017-2018
Construction Phase	Used Oil	Nil	Nil
Operational Phase	There is no occupancy in Residential Complex during FY 18		

**PART-E**  
**SOLID WASTE**

Solid waste		Total Quantity Generated	
		During the previous Financial Year 2016-2017	During the Current Financial Year 2017-2018
Construction Phase	Construction debris	Nil	The construction debris and excavated soil generated is reused for backfilling
	Excavated soil	Nil	
Operational Phase	Nil on date. There is no occupancy in Residential Complex during FY 18 The Residential complex once occupied fully, expected Solid waste generation is to be 320KG/day.		

**PART-F**

*Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both categories of these wastes*

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	No Hazardous Waste generated in FY 18. 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 measures/investment proposal for environmental protection including abatement of pollution*

- The Residential Complex is duly complying with all Environmental Safeguards / Guidelines imposed in the Environmental Clearance and Consent to Establish. Consent to Operate was obtained in April, 2018 and awaiting other clearances (such as Fire certificate) to have the occupancy of residents.
- 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 is being developed inside and outside premises to reduce noise pollution, air pollution and also increasing the scenic beauty.
- Water Management – Drinking water treatment and sewage treatment facility have been constructed and will be commissioned before actual occupancy of residents.

## **PART-I**

### **MISCELLANEOUS:**

*Any other particulars in respect of environmental protection and abatement of pollution.*

- Glass has been restricted less than 40 % of the total outer wall area.
- Roofs have been constructed as per energy conservation building Code (ECBC) norms. Same shall be followed for the remaining.
- Opaque walls have been made as per Energy Conservation Building Code.
- Consent to Operate (CTO) for Tata steel residential Complex granted by OSPCB vide Letter No. 4196/IND-I-CON-6643 dtd.04.04.2018

## Some Photographs of Tata Steel Residential Complex



**View of Township building**



**Landscaping and garden development**



**Nursery inside premises**

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