

FORM- V for the Year- 2019 -20.

ENVIRONMENTAL STATEMENT REPORT FOR YEAR 2019 -20

**INDUSTRY NAME: MANGROL –VALIA LIGNITE OPENCAST MINE
GUJARAT INDUSTRIES POWER COMPANY LIMITED**

GPCB ID: 29713

PART- A

- (i) Name and address of the owner/
Occupier of the Industry, operation
Or process : Sri N.K.Purohit, CGM (Mines),
Surat Lignite Power Plant,
P.O. Nani Naroli, Taluka-Mangrol,
Dist –Surat -394110.
- (ii) Date of the last environmental
Audit report submitted : N/A
- (iii) Production Capacity : 4.2 MTPA
- (iv) Year of Establishment : 22-05-2010
- (v) Last Environment Statement Submitted : 04-04-2019

PART- B


WATER AND RAW MATERIAL CONSUMPTION

- (i) Water consumption m³ /d
Cooling: (Spraying) : For water spraying on haul roads and cooling of IC engines of
diesel Machinerics –average 700000 liters /day
- Domestic : Average 1200 Liters per day
- Process : Nil

Name of Products	Water consumption per unit of Products	
	During the previous Financial Year	During the Current Financial Year
Lignite	No water is used for production of ignite which is purely an excavation activity.	

(ii) **Raw Material Consumption**

Name of raw material consume	Name of products	Consumption of raw material Per day
N/A		


16/04/2020

PART- C

Pollution discharges to environment/ unit of output.

(Parameter as specified in the consent issued)

(i) Pollution	Quality of Pollutants Discharged (Mass/day)	Concentration of Pollutants discharges (Mass/volume)	Percentage of variation from prescribed standards
a) Water	Mining activity in Valia Lignite Pit does not produce any industrial effluent during excavation process. Only the accumulated rain water is taken during monsoon period. During monsoon all mining activities remain suspended. Mining activity starts only after monsoon is over. No effluent is discharged during excavation process. Only the accumulated rain water is taken out during monsoon period.		
b) Air	(As per Environment monitoring report of February 2020) Ambient air quality: Average concentration for 24 hours exposure of 8 locations. PM ₁₀ : 60.68 microgram/m ³ PM _{2.5} : 27.775 microgram/m ³ SO ₂ : 16.125 microgram/m ³ Nox : 19.425 microgram/m ³		within limits

PART- D

(HAZARDOUS WASTES)

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
(a) From process	There is no manufacturing or Chemical process involved for excavation of Lignite. Hence, no hazardous waste is generated. Only the waste /used oil, in liquid form is taken out as a reject from the Heavy Earth Moving Machineries.	
(b) From pollution Control Facilities	N/A	

PART- E SOLID WASTES

	TOTAL QUANTITY (Kg)	
	During the Previous Financial Year	During the Current Financial Year
(a) From Pollution Control Equipment	N/A	
(b) From Process	N/A	

PART- F

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

The waste oil in liquid form is sent to authorized recycler (M/s S.R.Lubricants, Ahmedabad) for disposal

PART- G

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

PART- H

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

1. Continuous water spraying is done on haul roads, OB dump, lignite haul road, OB & lignite cutting areas.
2. Regular maintenance of haul road to avoid dust generation.
3. Overloading is prohibited to avoid spillage of material on haul roads.
4. Environmental activities like Green belt development are being carried on by NGO, M/S DEEP.
5. Budget allocation for the **year 2019 -20** for environmental safeguard activities:
 - a. Environment expenses (Green Belt development, protection & maintenance around mining lease area, mine boundary, OB dump sites): **Nil (Only protection & maintenance of previous plantation.**
 - b. Environment monitoring: **Rs. . 1.70 Lacs**
 - c. Water spraying on haul roads, mineral loading & unloading points: **Rs. 81.60 Lacs**
 - d. Preparation & cleaning of garland drains, cleaning of siltation ponds: **Rs.27.19 Lacs.**
 - e. Ground water quality monitoring: **Included in above sub clause b. Environment Monitoring.**

PART- I

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

For

Dated: 16/04/2020

M/S Gujarat Industries Power Company Limited
Mangrol -Valia Lignite Opencast Mine

(Authorized signatory)


16/04/2020
Prakash Chand

Addl. General Manager (Mines)