



# GUJARAT INDUSTRIES POWER COMPANY LIMITED

(SURAT LIGNITE POWER PLANT)

At. Nani Naroli, Ta. Mangrol, Dist. Surat - 394 110

Phone : EPABX (02629) 261063 to 261072 Fax : (02629) 261073/74 E-mail : genslpp@gipcl.com

P.PAD

SLPP/Mangrol Mine/ GPCB/Form -V/ 316

09 April 2013

To,

Member Secretary,  
Gujarat Pollution Control Board,  
Paryawaran Bhavan,  
Sector-10 A,  
Gandhinagar (Gujarat).

Sub: Submission of Form -V in respect of Mangrol Lignite Opencast Mine, Surat region (GPCB ID-29713).

Dear Sir,

Kindly find enclosed herewith duly filled Environment Statement in Form -V for the year 2012-13 duly signed by competent authority.

Hope you will find the statement in order.

Thanking you,

For, Gujarat Industries Power Company Limited

*o/c*  
*MAO*  
*09/04/13*  
M.A.Nipane  
Chief Manager (mines)

Encl: Form -V

Cc: Regional Officer, Surat R.O.

Gujarat Pollution Control Board,  
338, Belgium square, Opp. Linear Bus Stand,  
Surat

*2013*

Registered Office & Vadodara Plant :  
P.O. Petrochemical, Dist. Vadodara 391 346 Gujarat - INDIA



Phone : EPABX (0265) 2232768/2213/0159

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Website : www.gipcl.com

*S.O*  
*NAA*  
*12/13*

ENVIRONMENTAL STATEMENT REPORT for Year 2012 -13

INDUSTRY NAME: MANGROL 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, GM (Mines),  
 Surat Lignite Power Plant,  
 P.O. Nani Naroли, Taluka-Mangrol,  
 Dist -Surat 394110.
- (ii) Date of the last environmental  
 Audit report submitted : N/A
- (iii) Production Capacity : 4.2 MPTA
- (iv) Year of Establishment : 22-05-2010
- (v) Last Environment Statement Submitted : 27-04-2012

## PART- B

## WATER AND RAW MATERIAL CONSUMPTION

- (i) Water consumption m<sup>3</sup>/d  
 Cooling: (Spraying) : For water spraying on haul roads and cooling of IC engines  
 of diesel Machineries -average 701800 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 lignite 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		

**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 Mangrol Lignite mine 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 only.		
b) Air	(As per Environment monitoring report of February 2013) Ambient air quality: Average concentration for 24 hours exposure of 6 locations. PM <sub>10</sub> : 63 microgram/m <sup>3</sup> PM <sub>2.5</sub> : 34 microgram/m <sup>3</sup> SO <sub>x</sub> : 23 microgram/m <sup>3</sup> Nox : 24 microgram/m <sup>3</sup>		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 or 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 stock yard, 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 2012-13 for environmental safeguard activities:
  - a. Environment expenses(Green Belt development & protection, Dump maintenance):- 27.00 Lacs
  - b. Testing charges: Rs. 0.5 Lacs
  - c. Environment monitoring: Rs. 0.88 Lacs
  - d. Repairing of transport roads from mines to stock yard to prevent dust emission: Rs. 3.00 Lacs
  - e. Prevention of fire on stock yard Rs. 3.00 Lacs
  - f. Water spraying on haul roads: Rs. 50.00 Lacs
  - g. Preparation & cleaning of settling ponds: Rs.4.35 Lacs.

PART- I

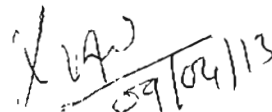
Any other particulates in respect of environmental protection and abatement of pollution:

Prepared By KUMAR RAVI KANT

For

Dated: 09/04/13

M/S Gujarat Industries Power Company Limited  
Mangro Lignite Opencast Mine



(Authorized signatory)  
N. A. Nipane  
Chief Manager (Mines)

