GUJARAT INDUSTRIES POWER COMPANY LIMITED
(SURAT LIGNITE POWER PLANT)
At. Nani Naroli, Ta. Mangrol, Dist. Surat - 394 110
Phone : (02629) 261087  Fax : (02629) 261112  E-mail : cgmminesoffice@gipcl.com

RPAD

SLPP/Vastan Mines/ GPCB/Form –V/ 2019-20/ 950

15th April 2020

To,

Environmental Engineer,
Gujarat Pollution Control Board,
Sector-10 A,
Gandhinagar (Gujarat).

Sub: Submission of Form –V in respects of Vastan Lignite Opencast Mine, Surat region (GPCB ID-20748) for the year 2019-20.

Dear Sir,

Kindly find enclosed herewith duly filled Environment Statement in Form –V of Vastan Lignite opencast mine for the year 2019-2020 duly signed by competent authority.

Hope you will find the statement in order.

Thanking you,
For, Gujarat Industries Power Company Limited

N.K.Chauhan
AGM (Mines)

Encl: Form –V
Cc: Regional Officer, Surat R.O.
Gujarat Pollution Control Board,
338, Belgium square, Opp. Linear Bus Stand, Surat
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Encl: Form –V
FORM - V

ENVIRONMENTAL STATEMENT REPORT for the Year 2018-2019

INDUSTRY NAME: GUJARAT INDUSTRIES POWER COMPANY LIMITED

VASTAN LIGNITE OPENCAST MINE : GPCB ID: 20748

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 : 1,50,000 Te of Lignite per month

(iv) Year of Establishment : 18-09-1996

(v) Last Environment Statement Submitted : 18-04-2019

PART- B

WATER AND RAW MATERIAL CONSUMPTION

(i) Water consumption m³/d For Industries use : For water spraying on haul roads and cooling of IC engines of Diesel Machineries & washing of solar plates –average 915 KL Per day

Domestic : average 6 KL per day

Green Belt development : average 5KL per day

Process : Nil

<table>
<thead>
<tr>
<th>Name of Products</th>
<th>Water consumption per unit of Products</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>During the previous Financial Year</td>
</tr>
<tr>
<td>Lignite</td>
<td>No water is used for production of ignite which is purely an excavation activity.</td>
</tr>
</tbody>
</table>

(ii) Raw Material Consumption

<table>
<thead>
<tr>
<th>Name of raw material consume</th>
<th>Name of products</th>
<th>Consumption of raw material Per day</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
PART- C

Pollution discharges to environment/ unit of output.
(Parameter as specified in the consent issued)

<table>
<thead>
<tr>
<th>(i) Pollution Discharged</th>
<th>Quality of Pollutants Discharged (Mass/day)</th>
<th>Concentration of Pollutants discharges (mass/volume)</th>
<th>Percentage of variation from prescribed standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Water</td>
<td>No effluent is discharged during excavation process. Only the accumulated rain water is taken out during monsoon period only.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b) Air</td>
<td>(As per Bi monthly Environment monitoring report of Jan.–Feb.- 2020) Ambient air quality: Average concentration for 24 hours exposure of 8 locations PM10 : 57.2 microgram/m³ PM2.5 : 25.9 microgram/m³ SOx : 22.5 microgram/m³ NOx : 28.1 microgram/m³ CO : 1032 microgram/m³</td>
<td>within limits</td>
<td></td>
</tr>
</tbody>
</table>

PART- D

(HAZARDOUS WASTES)

<table>
<thead>
<tr>
<th>Hazardous Wastes</th>
<th>Total Quantity (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>During the previous financial year</td>
</tr>
<tr>
<td>(a) From process</td>
<td>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.</td>
</tr>
<tr>
<td>(b) From pollution Control Facilities</td>
<td>N/A</td>
</tr>
</tbody>
</table>

PART- E SOLID WASTES

<table>
<thead>
<tr>
<th>TOTAL QUANTITY (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>During the Previous Financial Year</td>
</tr>
<tr>
<td>(a) From Pollution Control Equipment</td>
</tr>
<tr>
<td>(b) From Process</td>
</tr>
</tbody>
</table>
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 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.
5. Budget allocation for the year 2019-2020 for environmental safeguard activities:
   a. Remote sensing/Satellite Imaginary: Rs. Nil
   b. Environment monitoring: Rs. 1.04 Lakh
   c. Preparation of settling pond: 3.33 Lakh
   d. Green belt development : Rs. 1.19 Lakh
   e. Water spraying on haul roads: Rs. 89.42 Lakh

PART- I

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

Prepared By      Anand Kumar Singh
Sr. Manager

Date: 15.04.2020

For
M/S Gujarat Industries Power Company Limited

Authorized signatory
N.K. Chauhan
AGM (Mines)