



# GUJARAT INDUSTRIES POWER COMPANY LTD.

SLPP/Vastan Mines/Environment Return/ 1282

20 Feb 2012

To,  
The Joint Director  
Additional Director (S)  
Ministry of Environment & Forest  
Regional office, Western Region,  
Kendriya Paryavaran Bhavan,  
E-5, Ravishankar Nagar,  
Bhopal – 462016, (MP)

<b>Sub :-</b>	Report of monitoring the implementation of environmental safeguards in data sheet, Part – I in respect of Vastan Lignite Opencast Mines, Vastan Village, Mangrol Taluka, Surat District, Gujarat State for the period from July 2011 to Dec 2011.
<b>Ref :-</b>	Environmental Clearance accorded vide letter no J-11015/40/95-IA. II (M) dated 19 <sup>th</sup> June 1996.

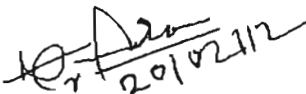
Dear Sir,

Please find enclosed the report, in data sheet Part – I, of monitoring of the implementation of environmental safeguards in respect of Vastan Lignite Opencast Mines, Vastan Village, Mangrol Taluka, Surat District, Gujarat State for the period from July 2011 to Dec 2011.

This is for your kind information.

Thanking you,

Yours faithfully,  
For Gujarat Industries Power Co. Ltd.

  
N.K. Chauhan  
Chief Manager (mines)  
Surat Lignite Power Plant  
P.O. - Nani Naroli, Taluka- Mangrol.  
Dist. - Surat, 39411



<b>Encl :-</b>	1. Data Sheet Part – I.
	2. Environmental Monitoring Report for period of July 2011 to Dec 2011.
<b>cc :-</b>	Regional Officer, Surat R.O. Gujarat Pollution Control Board, 338, Belgium square, Opp. Linear Bus Stand, Surat.

**Registered Office & Vadodara Plant :**

P.O. Petrochemical, Dist. Vadodara 391 346 Gujarat - INDIA

**Phone :** EPABX (0265) 2232768/2213/0159 **Fax :** 2231207

**E-mail :** genbaroda@gipcl.com



Website: www.gipcl.com

**Surat Lignite Power Plant :**

**Village :** Nani Naroli, Ta. Mangrol, Dist.: Surat 394 110. Gujarat-INDIA

**Phone :** EPABX (02629)261063 to 261072 **Fax :** 261073/74

**E-mail :** genslpp@gipcl.com

**ANNEXURE – IV**  
**MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS**  
**MINISTRY OF ENVIRONMENT AND FOREST**  
**REGIONAL OFFICE (W), BHOPAL**

**MONITORING REPORT**  
**PART – I**  
**DATA SHEET**

No.		
1	Project type: River/valley/Mining/Industry/thermal/ nuclear/other /specify	: Mining
2	Name of the project	: Vastan Lignite Mine
3	Clearance letter (s) OM no. and date	: F.No. J-11015/40/95-IA.II (M) dated 19 <sup>th</sup> June 1996
4	a) District	: Surat
	b) State	: Gujarat
	c) Latitude/Longitude	: Latitude- 21 <sup>o</sup> 22' 47" to 21 <sup>o</sup> 26' 42" Longitude: 73 <sup>o</sup> 05' 47" to 73 <sup>o</sup> 08' 47"
5	Address for correspondence	
	a) Address of concerned Project Chief with pin code and Telephone/Telex/Fax No.	: Shri N.K.Chauhan Chief Manager (Mines) Vastan Lignite Opencast Mine Surat Lignite Power Plant Village: Nani Naroli, Tal: Mangrol, Dist.: Surat – 394 110 Phone: (M) 09909925340 Fax: 02629-261080
	Address of concerned Engineer with pin code and telephone/Telex/Fax No.	: Shri Ajay Kumar Ambastha, Under Manager (Mines) Vastan Lignite Opencast Mine Surat Lignite Power Plant Village: Nani Naroli, Taluka: Mangrol, Dist.: Surat – 394 110. Phone –(M) 9099045783 Fax: 02629-261080
6	Salient Features	
	a) of the project	: This mining project is linked to Surat Lignite Power Plant under the same management to supply lignite as fuel for captive 2 X 125 MW Power Plant.
	b) of Environmental Management Plan	: Greenbelt development on 440.19 Hectares of peripheral mining lease area comprising of 784997 nos trees have been developed till date. Plantation of Waste dump: Plantation activity on plane & sloping surface of the waste dump was carried out since the beginning of the mining activities. This was planned for dump stability & also to curb the run-off of loose soil from the external Overburden Dumps. .A brief endeavor of the work done is given in Annexure – I.
	b) of Environmental Management Plan	: c) Environmental monitoring for SPM, NOx, SOx, CO emission are being carried out as per the condition of Environmental Clearance vide letter no. O./M letter F.No. J-11015/40/95-IA. II (M) dated 19 <sup>th</sup> June 1996. The detail environmental monitoring report is enclosed herewith.
7	Break up of the project area	
	a) Submergence area: Forest & Non forest	: There is no forest land in and around of this project.
	b) Others	: Total areas of 1536 Hectare will be used for mining activity.
8	Break up of project affected population with enumeration of those losing houses/dwelling units only, agriculture	: The most of the mining lease land was previously used for agricultural purpose. There were no dwelling units/ houses previously existing in such

	land only, both dwelling unit and agricultural land. a) Scheduled Cast b) Scheduled Tribe c) Others Please indicate whether these figures are based on any systematic survey carried out or only provisional figures. If any survey is carried out give details and year of survey.	area. Following population lost only their agricultural land. : 5 nos : 102 nos : 400 nos These figures are based on systematic survey carried out in the year December, 1997.
9	Financial Details a) Project cost as originally planned and subsequent revised estimates and the year of price reference. b) Allocation made of environmental Management Plan with item wise & year wise break up. c) Benefit cost ratio/internal rate of return and the year of assessment. d) Whether (c) includes the cost environment management as shown in the above. e) Actual Expenditure incurred so far on the project. f) Actual expenditure incurred on EMP so far (Dec. 2011).	: Project cost is 300 Crores based on price reference of the year 1997. : The details are provided in Annexure – II with this data sheet. : Rate of return on Investment is 3.7896% for assessment year 2011-12 Yes : 244.87 Crores. : 638.92 Lacs for Green belt development, Dump plantation, preparation of silting ponds, Environmental Monitoring instruments studies.
10	Forest Land requirement a) The status of approval for diversion of forestland for non-forestry use. b) The Status of clear felling c) The status of compensatory afforestation, if any d) Comments on viability and sustainability of compensatory afforestation program in the light of actual field experience so far.	: NA : NA : NA : NA
11	The experience of clear felling in non forest area (Such as submergence area of reservoir, approach road) if any with quantitative information.	: Area where active mining work is in progress contains no such vegetation and there are no such cases of clear felling.
12	Status of construction a) Date of commencement (actual or planned) b) Date of completion (Actual/Planned)	: 31.05.1996 (Actual) : Project is planned for 30 years.
13	Reason for delay if the project is yet to start	: NA
14	Dates of site visits a) The dates on which the project was monitored by Regional Office on previous occasion if any, b) Dates of site visit for this monitoring	: 26.03.2007 : 26.03.2007 by Dr.V.B.Apale, Joint Director (S), Regional Office, Western Region.
15	The monitoring report may contain the details of all the letters issued so far (vide the letters as mentioned)	: • Environmental Clearance by OM No. J-11015/40/95/-IA. II (M) dated 19/6/1996. • Letter no 3-5/96(ENV)/1906 dt 4/11/1996

*AKS*

*N.K. Chauhan*  
N.K. Chauhan  
Chief Manager (mines)

**Mine Manager**  
**Vastan Lignite Opencast Mine**  
**Gujarat Industries Power Co. Ltd.**

ANNEXURE - I

PLANTATION ACTIVITY FROM 1997 TO DEC.2011

S. No.	Year	Code	Location	Area (Ha)	No. of trees
<b>(A) Peripheral green belt development</b>					
1	1997	GBD-A	Lease boundary (Village- Vastan, Jhakharda & Shah)	33	50,967
2	1998	GBD-B	Lease boundary (Village- Vastan & Suraili)	21	37,290
3	1999	GBD-C	Lease boundary (Vastan & Shah)	12	21,017
4	2000	GBD-D	Lease boundary(Village- Shah & Cheraetha)	3.5	56,000
5	2001	--	Near Vastan village	04	6,000
6	2002	GBD-J	Lease boundary(Village- Cheretha))	20	31,368
7	2003	GBD-K	Lease boundary(Village- Suraili, Naugama & Tadkeshwar)	34	51,000
8	2004	GBD-L	Lease boundary(village- Vastan & Suraili)	12	30,000
9	2005	GBD-M	Along Limestone road, & Vastan village)	16	26,550
10	2006	Jetropha	Lease boundary-Vastan & Suraili)	05	13,500
11	2008	GBD-N	Lease boundary of South Pit	20	32,000
12	2009	GBD-O	Lease boundary of South Pit	20	32,000
13	2011	GBD-Q	Lease boundary of South Pit near Suraili Village	8	12,800
<b>Total (A)</b>				<b>208.5</b>	<b>4,00,492</b>
<b>(B) Dump Plantation</b>					
1	1999	---	External dump	2.5	7,500
2	2001	--	External dump	04	12,000
3	2005	--	External dump	02	3,887
4	2006	--	External dump	42	42,549
5	2007	--	External dump	30	38,027
6	2010	---	External dump	5	8,000
7	2011		External dump near ELHS	8	12,800
<b>Total (B)</b>				<b>93.5</b>	<b>1,24,763</b>
<b>(C) Reclaimed Area Plantation</b>					
1	2007	Jetropha	--	04	11,136
2	2008	Jetropha	--	05	13,504
3	2009	Bamboo Plantation		25	32,000
4	2009	Junglee Variety		5	5,000
5	2011	Junglee Variety		12	19,200
<b>Total (C)</b>				<b>51</b>	<b>80,840</b>

S. No.	Year	Code	Location	Area (Ha)	No. of trees
<b>(D) Other plantation activity</b>					
1	2000	--	Mines road	02	3,100
2	2000	GBD-F	Ambawadi (Near DEEP nursery)	0.5	290
3	2000	GBD-H	Near Demo Shed	03	13,200
4	2001	--	Mines road	1.6	2,500
5	2005	--	Mines road	03	400
6	2007	Bamboo plantation	Near DEEP farm house	05	8,000
7	2011	General Plantation	Near & at ELHS	2	3,200
			Total (D)	17.1	30,690
			GRAND TOTAL	370.1	6,36,785
<b>(E) Seed Spraying</b>					
1	1998	Dump-A	External dump	05	3000 Kg
2	1999	Dump-B	External dump	05	300 Kg
3	2000	Dump-C	External dump	28	790 Kg
4	2001	Dump-D	External dump	124	5760 Kg
5	2003	Dump-E	External dump	54	1620 Kg
6	2011	Dump-F	External dump, Bund near ELHS road	8	450 Kg
			Total (E)	224	11920Kg
<b>(F) Seed spraying by Mining Contractors</b>					
1	1999				2150 Kg
2	2000				550 Kg
3	2001				5760 Kg grass seeds
4	2002				2600 Kg
5	2003				280 Kg
6	2004				5.25 Kg
7	2005				1000 Kg
8	2007				1000 Kg
9	2008		External Dump		1000 Kg
10	2009		External Dump		1000 Kg
11	2010		Bund of Garland drains		400 Kg
12	2011		Bund of Garland drains		400 Kg
			Total (F)		16565 Kg

**ANNEXURE - II**

**Sub: Expenditure made for the Environmental Management Plan with item wise & year wise break-up.**

(All figures are in Lac Rs.)

Year → →	2005	2006	2007	2008	2009	2010	2011 (Jan-June)	2011 (July-Dec.)
Item ↓	Particulars of the activities							
Development & maintenance of Greenbelt and Jetropha Plantation (Suraili village & Reclaimed area)	20.00	30.00	22.72	23.27	15.31	4.91	7.04	19.89
Durmp plantation	0.73	20.00			0.47	6.02		4.38
Preparation of setting pond	2.00	2.00	nil	-----	2.70	-----	0.64	0.60
Monitoring of Environmental parameter	1.25	0.50	0.54	1.63	1.93	1.08	0.31	0.41
Dust suppression measures in mines						80.00	40.00	33.00
Remote sensing Imageries of the region.	-----	1.41	-----	-----	2.00	-----	-----	-----
Total.....	23.98	76.57	23.25	24.89	22.41	92.01	48.00	58.28
Cumulative Total (From 1997 to DEC. 2011)			393.33	418.22	440.63	532.64	580.64	638.92

N.K. Chauhan

Chief Manager (mines)

**Mine Manager**

**Vastan Lignite Opencast Mine**  
**Guiana Industries Power Co. Ltd.**