

(SURAT LIGNITE POWER PLANT)

At. Nani Naroli, Ta. Mangrol, Dist. Surat - 394 110 Phone: (02629) 261087 Fax: (02629) 261112 E-mail: cgmmlnesoffice@gipcl.com

Courier

SLPP/Mining/Environment Return/2021/2135

30.07.2021

To, The Regional Officer, Gujarat Pollution Control Board, 338, Belgium square, Opp. Linear Bus Stand, Surat.

Report of monitoring the implementation of environmental safeguards in data Sub:sheet, Part - I and in respect of Vastan Lignite Mining project, Vastan Village, Mangrol Taluka, Surat District, Gujarat State for the period from Jan.-2021 to June-2021

1. Environmental Clearance accorded vide letter no J-11015/40/95-IA. II (M) dated Ref :-19th June 1996.

2. Letter no 4-5/96(ENV) 2534, dated 7th September 1997.

Dear Sir,

Please find enclosed herewith following details with respect to GIPCL's Vastan Lignite Opencast Mines, Taluka -Mangrol, District - Surat, State - Gujarat for the period Jan.-21 to June-2021

1. Monitoring of the implementation of Env. Safeguard (Data Sheet Part - I) as ANNEXURE - B and

2. Env. Monitoring and analysis report Environmental Monitoring and analysis Report for period ANNEXURE - C

This is for your kind information.

Thanking you,

For Gujarat Industries Power Co. Ltd.

AGM (Mines)

Encl as above:-



Phone : EPABX (0265) 2232768/2213/0159 Fax: 2231207 E-mail: genbaroda@gipcl.com CIN No.: L99999GJ1985PLC007868



(SURAT LIGNITE POWER PLANT)

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SLPP/Vastan Mines/Environment Return/2021/ 1135

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To,

The Addl Principal Chief Conservator of Forests (C),

Ministry of Environment, Forest & Climate Change (MOEF&CC),

Regional Office (WZ),

E-5, Kendriya Paryavaran Bhawan,

E-5 Arera Colony, Link Road-3,

Ravishankar Nagar, Bhopal - 462016

Sub:- MOEF's EC & other compliance reports with respect to Vastan Lignite Opencast Mines, Vastan Village, Mangrol Taluka, Surat District, Gujarat State for the period from Jan.-21 to June-2021.

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



Phone : EPABX (0265) 2232768/2213/0159 **Fax** : 2231207 **E-mail** : genbaroda@gipcl.com

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MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE REGIONAL OFFICE (W), BHOPAL MONITORING REPORT

PART – I DATA SHEET

		DF	ATA SHEET
S.N.			Marine and the second s
1	Project type: River/valley/Mining/Industry/ther mal/ nuclear/other /specify		Mining
2	Name of the project	:	Vastan Lignite Mine
3	Clearance & renewal letter (s) OM no. and date	:	F.No. J-11015/40/95-IA. II (M) dated 19 th June 1996 File No. 3-5/96(ENV)/260 Dated: 12/05/2020
4	a) District	:	Surat
	b) State	:	Gujarat
	c) Latitude/Longitude	:	Latitude- 21° 22' 47" to 21° 26' 42" Longitude: 73° 05' 47" to 73° 08' 47"
5	Address for correspondence		
	a) Address of concerned Project Chief with pin code and Telephone/Telex/Fax No.	:	Sri N.K.Chauhan AGM (Mines) Vastan Lignite Opencast Mine Surat Lignite Power Plant Village: Nani Naroli, Tal: Mangrol, Dist.: Surat – 394 110 Phone: (M) 9909925341 Fax: 02629-261080
	b) Address of concerned Engineer with pin code and telephone/Telex/Fax No.	:	Shri Ananad Kumar Singh, Sr. 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 of		
	a) the project	:	This mining project is linked to Surat Lignite Power Plant under the same management to supply lignite as fuel for captive 4 X 125 MW Power Plant.
	b) Environmental Management Plan		Greenbelt developments on 551.3 Hectares of mining lease area comprising of 9, 01,927 no trees have been developed till June-2021. 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. Plantation of on reclaimed area is being done. A brief endeavor of the work done is given in Annexure – I.
	b) Environmental Management Plan		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 th June 1996. The detail environmental monitoring report (i.e. from Jan21 to June-2021) is enclosed herewith as Annexure – C.

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		7	
7	Breakup of the project area a) Submergence area: Forest & Non forest b) Others	:	There is no forest land in and around of this project. 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 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.	:	The most of the mining lease land was previously used for agricultural purpose. There were no dwelling units/ houses previously existing in such 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 (till June 2021).	: : : :	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 32.75 % for assessment year 2020-21. Yes 244.87 Crores. 2303.49 Lakhs for Green belt development, Dump plantation, preparation of silting ponds, Environmental
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 aforestation, if any d) Comments on viability and sustainability of compensatory aforestation program in the light of actual field experience so far.		NA 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.

		\neg	
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,	:	26.03.2007, 29.11.2014, 21.08.2019
	b) Dates of site visit for this monitoring	:	21.08.2019 by Dr. H. V. C. Chary Guntupalli, Joint Director/Scientist 'D', Regional Office, Western Zone, Bhopal, MP
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 File No. 3-5/96(ENV)/260 Dated: 12/05/2020

40/10

N.K.Chauhan AGM (Mines)

Annexure - I

PLANTATION ACTIVITY FROM 1997 to June 2020

Sr. No	Year	Code / Type of Plant	Location	Area (Ha)	No. of trees
(A)	Periphe	eral green belt develo	oment		
1	1997 GBD-A		Lease boundary (Village-Vastan, Jhakharda & Shah)	33	50,967
2	1998	GBD-B	Lease boundary (Village-Vastan & Surali)	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- Surali,Naugama & Tadkeshwar)	34	51,000
8	2004	GBD-L	Lease boundary(village-Vastan & Surali)	12	30,000
9	2005	GBD-M	Along Limestone road,& Vastan village)	16	26,550
10	2006	Jetropha	Lease boundary-Vastan & Surali)	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 Surali Village	8	12,800
14	2012	GBD-R	South and North pit periphery area	19.5	25,100
15	2013	GBD-S	Lease boundary of Vastan Mines	13.5	16700
16	2014	GBD-T	Lease boundary of Vastan Mines	3	4800
17	2015	GBD-U	-	-	-
18	2016	Forest species	Lease boundary near north side of Limestone Pit	2	3800
19	2017	Forest species	South pit in west side of BC Dump	2.38	3300
20	2018	Forest species	South pit in west side of BC Dump as a gap filling	0.84	1355
21	2019	Junglee Variety	Eastern side Lease boundary of Vastan Mine near Nani Naroli Village	1.5	1670
22	2020	Bengali babul, Gulmohar, Neem, etc	North west corner side of Pit No.1, along the limestone boundary	0.35	473
		Sevan, Pipdo, Sitafal, Mahuda, Kaju, Jambudo, Kanjo, Arjun and Neem	Eastern side Lease boundary of Vastan Mine near Nani Naroli Village after harvesting of Bamboo plantation new plantation have been carried out as a gap filling	30.00	33330
23	2021 (Jan. to June.				
	100 V 100 V		Total (A)	281.57	4,91,02

Ayor

(B)	Dump	Plantation				
1	1999		Exter	nal dump	2.5	7500
2	2001			rnal dump	04	7500
3	2005		External dump			12,000
4	2006			nal dump	02	3887
5	2007			nal dump	42	42,549
6	2010			nal dump	30	38,027
7	2011			nal dump near ELHS	5	8,000
8	2012			nal dump	8	12800
9	2013			riai dullip	0.5	1052
10	2014		_			
11	2015				-	-
12	2016		-			-
13	2017		-		-	-
		-	-			-
14	2018		-		-	-
16	2019					204 SAL EST 201
			Total	(D)		
			Total	(B)	94	125815
Sr.	Year	Type of Dient			Area	No. of
No.		Type of Plant	ne d	Location	(Ha)	trees
(C)		med Area Plantation				
1	2007	Jetropha			04	11,136
2	2008	Jetropha			05	13,504
3	2009	Bamboo Plantation			25	32000
4	2009	Junglee Variety			5	5000
5	2011	Junglee Variety			12	19200
3	2012	Junglee Variety			20	32000
7	2013	Forest Species			22	33000
7	2014	Forest Species		-	15	26500
3	2015	Forest Species		-	12.4	18600
9	2016	Forest Species			12.27	18400
10	2017	_		-	12.21	10400
11	2018	Bengali babul & Gulm	ohar	South-pit North-West side reclaimed area	1.74	2815
12	2019	Bengali babul & Gulm	ohar	South-pit North-West side BC dump reclaimed area	2.75	4950
13	2020	Bengali babul, Gulmohar,Neem etc		Reclaimed area (NW side) of South	3.15	4091
10				Limestone (Pit 1) reclaimed area	1.27	1575
4	2021 (Jan. to June)					
	No. No. 1976			Total (C)		

. . . .

(D)		antation activity	B.C used	02	3100
1	2000		Mines road	0.5	290
2	2000	GBD-F	Ambawadi (Near DEEP nursery)	0.5	13,200
3	2000	GBD-H	Near Demo Shed	1.6	2500
4	2001		Mines road		400
5	2005		Mines road	03	
6	2007	Bamboo plantation	Near DEEP farm house	05	8000
7	2011	General Plantation	Near & at ELHS	2	3200
8	2012		Near & at ELHS	4	9600
9	2013	General Plantation	Near Limestone pit .	1	1200
10	2014	-		-	_
11	2015	Forest Species	Near Limestone Crusher	2.67	8000
12	2016	Forest Species	Near East side of Limestone Pit	2.73	4100
		Mango trees	Near Vastan site Office	0.3	50
13	2017	-	-	-	-
14	2018	Mango & Jamun trees, Kasid, Bengali babul, Peltro, Neem, Gulmohar etc	Near Vastan site Office & GVTC, Near Lime Stone crusher area	2.66	3543
		Mango (Kesar), Lemon & Amrud kalam	Near Vastan site Office gap filling of o.3 Ha area		50
15	2019	Bengali babul & Gulmohar	Along Limestone Transport Road around 600M from crusher area	2.37	3500
***	2020 (July	Bengali babul, Gulmohar,Neem, etc	Surface (NW side) of South Pit	0.52	678
16	to Dec 20)	Bengali babul, Gulmohar,Neem, etc	Near eastern side of Limestone boundary, between crusher to Pit No.3	0.80	910
17	2021 (Jan. to June.)				
			Total (D)	34.15	62,32
			GRAND TOTAL (A+B+C+D)	551.3	9,01,927



	Year	Code /Type of Plant	Location	Area (Ha)	No. of trees
(E)	Seed S	praying	1		
1	1998	Dump-A	External dump	05	3000 Kg
2	1999	Dump-B	External dump	05	
3	2000	Dump-C	External dump	28	300 Kg 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
7	2012	Dump-G	Vastan Mines Cheretha Site	6	120 Kg
8	2013		Western side edge of Vastan north	2	100kg
9	2014	-	-	 	_
10	2015			_	
17	2016		Reclaimed area	5	62 KG
18	2017	-	-	-	-
19	2018	_	-	_	
			Reclaimed area		
20	2019		(su-babool and Bangali Babool)	2	30 Kg
21	2020		***	NN 100 JUL 200	
			Total (E)	239	12202 Kg
		oraying by Mining Contrac	etors		T
	1999	Praying by Mining Contrac	etors		2150 Kg
(F) 1 2	1999 2000	Praying by Mining Contrac	etors		2150 Kg
1 2 3	1999 2000 2001	Praying by Mining Contrac	etors		550 Kg
1 2 3 4	1999 2000 2001 2002	Praying by Mining Contrac	etors		550 Kg 5760 Kg
1 2 3 4 5	1999 2000 2001 2002 2003	Praying by Mining Contrac	etors		550 Kg 5760 Kg 2600 Kg
1 2 3 4 5	1999 2000 2001 2002 2003 2004	Praying by Mining Contrac	etors		550 Kg 5760 Kg 2600 Kg 280 Kg
1 2 3 4 5 6	1999 2000 2001 2002 2003 2004 2005	Praying by Mining Contrac	etors		550 Kg 5760 Kg 2600 Kg 280 Kg 525 Kg
1 2 3 4 5 6 7	1999 2000 2001 2002 2003 2004 2005 2007	Praying by Mining Contrac			550 Kg 5760 Kg 2600 Kg 280 Kg 525 Kg 1000 Kg
1 2 3 4 5 6 7 8	1999 2000 2001 2002 2003 2004 2005 2007 2008	Praying by Mining Contrac	External Dump		550 Kg 5760 Kg 2600 Kg 280 Kg 525 Kg 1000 Kg 1000 Kg
1 2 3 4 5 6 7 3 9	1999 2000 2001 2002 2003 2004 2005 2007 2008 2009	Praying by Mining Contrac	External Dump External Dump		550 Kg 5760 Kg 2600 Kg 280 Kg 525 Kg 1000 Kg
1 2 3 4 5 6 7 3 9	1999 2000 2001 2002 2003 2004 2005 2007 2008 2009 2010	Praying by Mining Contrac	External Dump External Dump Bund of Garland drains		550 Kg 5760 Kg 2600 Kg 280 Kg 525 Kg 1000 Kg 1000 Kg 1000 Kg
1 2 3 4 5 5 6 7 7 3 9 10 11	1999 2000 2001 2002 2003 2004 2005 2007 2008 2009 2010 2011	Praying by Mining Contrac	External Dump External Dump		550 Kg 5760 Kg 2600 Kg 280 Kg 525 Kg 1000 Kg 1000 Kg
1 2 3 4 5 6 7 8 9 10 11 12	1999 2000 2001 2002 2003 2004 2005 2007 2008 2009 2010 2011 2012	Praying by Mining Contrac	External Dump External Dump Bund of Garland drains		550 Kg 5760 Kg 2600 Kg 280 Kg 525 Kg 1000 Kg 1000 Kg 1000 Kg 1000 Kg 400 Kg
1 2 3 4 5 6 7 3 9 10 11 12 13	1999 2000 2001 2002 2003 2004 2005 2007 2008 2009 2010 2011 2012 2013	Praying by Mining Contract	External Dump External Dump Bund of Garland drains Bund of Garland drains		550 Kg 5760 Kg 2600 Kg 280 Kg 525 Kg 1000 Kg 1000 Kg 1000 Kg 400 Kg 400 Kg NIL NIL
1 2 3 4 5 6 7 3 9 10 11 12 13 14	1999 2000 2001 2002 2003 2004 2005 2007 2008 2009 2010 2011 2012 2013 2014	Praying by Mining Contract	External Dump External Dump Bund of Garland drains Bund of Garland drains		550 Kg 5760 Kg 2600 Kg 280 Kg 525 Kg 1000 Kg 1000 Kg 1000 Kg 400 Kg 400 Kg NIL NIL
1 2 3 4 5 6 7 3 9 10 11 12 13 14 15	1999 2000 2001 2002 2003 2004 2005 2007 2008 2009 2010 2011 2012 2013 2014 2015	Praying by Mining Contract	External Dump External Dump Bund of Garland drains Bund of Garland drains		550 Kg 5760 Kg 2600 Kg 280 Kg 525 Kg 1000 Kg 1000 Kg 1000 Kg 400 Kg 400 Kg NIL NIL NIL
1 2 3 4 5 6 7 3 9 10 11 11 12 13 14 15 16	1999 2000 2001 2002 2003 2004 2005 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016	Praying by Mining Contract	External Dump External Dump Bund of Garland drains Bund of Garland drains		550 Kg 5760 Kg 2600 Kg 280 Kg 525 Kg 1000 Kg 1000 Kg 1000 Kg 400 Kg 400 Kg NIL NIL NIL NIL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	1999 2000 2001 2002 2003 2004 2005 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017		External Dump External Dump Bund of Garland drains Bund of Garland drains		550 Kg 5760 Kg 2600 Kg 280 Kg 525 Kg 1000 Kg 1000 Kg 1000 Kg 400 Kg 400 Kg NIL NIL NIL
1 2 3 4 5 6 7 3 9 10 11 12 13 14 15 16 17 18	1999 2000 2001 2002 2003 2004 2005 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018		External Dump External Dump Bund of Garland drains Bund of Garland drains	_	550 Kg 5760 Kg 2600 Kg 280 Kg 525 Kg 1000 Kg 1000 Kg 1000 Kg 400 Kg 400 Kg NIL NIL NIL NIL
1 2 3 4 5 6 7 8 9 9	1999 2000 2001 2002 2003 2004 2005 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019		External Dump External Dump Bund of Garland drains Bund of Garland drains	-	550 Kg 5760 Kg 2600 Kg 280 Kg 525 Kg 1000 Kg 1000 Kg 1000 Kg 400 Kg 400 Kg NIL NIL NIL NIL
1 2 3 4 5 6 7 8 9 10 11	1999 2000 2001 2002 2003 2004 2005 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018		External Dump External Dump Bund of Garland drains Bund of Garland drains		550 Kg 5760 Kg 2600 Kg 280 Kg 280 Kg 1000 Kg 1000 Kg 1000 Kg 400 Kg 400 Kg NIL NIL NIL NIL NIL S0Kg

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N.K.Chauhan AGM (Mines) <u> Annexure – II</u>

Sub: Expendit	ure made for the Environmental Man	agement F	Plan with	item wise	& year wis	e break-up	. (All figur	res are in L	akhs Rs.)		0004
Year →		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 (Jan. to June)
Item ▼	Particulars of the activities										
Development & maintenance of Plantation (Greenbelt, Reclaimed area and other)	Greenbelt Development along lease boundary, along Haul road & plantation on reclaimed area in mining premises. 1) New plantation by MDO at peripheral green belt development & maintenance. 2) At peripheral green belt development & maintenance. 3) After preparatory work done at reclaimed area, plantation was done. 4) Preparation of land for plantation	40.52	113.70	71.50	94.19	33.65	12.68	1.03	1.19	103.53	85.59
Dump	Dump plantation maintenance, development and plantation cost	8.29	6.094	0.13	0.10	0.03	-	-	-	-	en to
plantation Preparation of settling pond	Silting pond for settlement of suspended solids from the discharge mine water, being pumped out during the monsoon season.	1.08	0.30	0.63	0.57	0.30	0.30	0.30	3.33	6.19	0.87
Monitoring of Environmental parameter	Monitoring of Environmental parameters viz. Air quality (SPM, SOx, NOx, CO), Water quality (Physical, Chemical & Biological tests), Noise survey & Dust fall measurement in villages peripheral to the mining lease area & Micro meteorological monitoring of the season/quarter.	0.87	1.39	1.85	2.31	2.40	2.44	1.85	1.04	1.0	0.61
Dust suppression measures in mines	Round the clock water spraying and road grading prevents formation & emission of Dust.	112.99	105.47	137.28	135.02	89.71	121.89	132.2	89.42	70.51	59.90
Remote sensing	Three year stage remote sensing.	1.90	2.00	-	1.99	-	-	3.25			
Total Amount	(in Lac Rs)	165.65	228.95	211.39	234.18	126.09	137.31	138.63	94.98	181.23	146.97
Cum. Total	(Period from 1997 to June- 2021)	803.85 (1997 to 2011)	1032.8	1244.10	1478.28	1604.37	1741.68	1880.31	1975.29	2156.52	2303.49

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P.O. Petrochemical, Dist. Vadodara 391 346 Gujarat - INDIA
Website : www.qipcl.com



Phone : EPABX (0265) 2232768/2213/0159 **Fax** : 2231207 **E-mail** : genbaroda@gipcl.com

CIN No.: L99999GJ1985PLC007868

Period of compliance - from Jan-21 to June-2021.

ANNEXURE - A

Status of compliance of the conditions under Environment Clearance F.No. J-11015/40/95 – IA.II (M) dated 19-06-1996 by ministry of environment & forest, GOI, for Vastan Lignite Mines of M/s Gujarat Industries Power Company Limited for the period from Jan.-21 to June-2021.

Sr. no.	Conditions	Compliance
01	No change in the calendar plan including excavation, quantum of lignite and wastes/OB dumps should be made.	Complied During monsoon the mining operation is being temporarily suspended due to sticky nature of soil which does not allow mining operation.
02	The top soil and OB dumps should be stacked in earmarked dump sites. Garland drains along the lease boundary along with the settling tanks should be made.	In the initial years, top soil and overburden wastes were stacked separately and the top soil has been used for spreading over the reclaimed land of back filled area and external dump for successful grass and tree plantations etc. Currently the top soil that is removed is being used simultaneously for progressive reclamation of back filled area.
		The external OB dumps have been developed in the Vastan Lease area. The dumps are of approx 50 meter height.
		The external dump overburden area is 217 Ha to accommodate about 85 M.cum of overburden. The dump has been stabilized and about 125815 plantations have been done in the about 94 Ha area of the external dump.
		Garland drains and settling tanks are made to arrest silt and sediment flows from soil and before & during monsoon garland drains & settling tanks are maintained for the same.
03.	The level of SPM should not exceed 500 ug/cum at any station within the leasehold. Emission of SO2, Nox and CO should be	monitored bi-monthly. Data related with each of the above parameters are within prescribed limits.
	maintained below the levels prescribed by the competent authority.	01 000/
04.	discharged should conform to the standards prescribed under	mine. Further, no lignite is being storage in the mine during monsoon season.
	GSR422 (E) dated 19.05.1993 and 31.12,1993.	Only rain water, which collected in monsoon, season, is pumped out in monsoon period only for resuming the mining activity. This water is being sampled at various stages and analyzed. Result is reported well within the prescribed limits.

Sr.	Conditions	
no. 05.		Compliance
05.	Regular monitoring of air, water and noise should be made in and around the core zone. Recorded data should be furnished to this ministry (regional office) and the state pollution control board quarterly, Noise levels should not exceed the limit of 85 Ddb, Ear plugs/ear muffs may be provided to the workers engaged in the	meteorological data of the region and noise level in core and buffer zone are being carried out by M/s. ECOSYSTEM RESOURSE MANAGEMENT Pvt. Ltd., Surat. Recoded data are being submitted to the regional office of Ministry of Environment, Forest and Climate Change at Bhopal as well as GPCB. Last Quarterly report has already.
	noisy atmosphere	Environment Report/2030, dated 21.07.2021
		Noise level monitoring in core or buffer zone are not exceeding the 85 dB.
06.	The anti-pollution measures with regards to environmental quality prescribed in the EMP should be implemented on schedule in a time bound program.	 The anti pollution measures like Water sprinkling on the haul roads and lignite stock, Green Belt Development, Water drainage system surrounding the pit, Making of garland drains around dump, Provision of inner slope on the dumps for proper drainage, Settling tanks for discharging monsoon water, Effective maintenance of the HEMM for controlling exhaust emission level, and Provision of ear plugs/ear muffs in the mine
		All measures are implemented towards pollution control.
07	A 100- meter greenbelt around the mine lease area should be developed. The density of the trees be at least 1600 saplings /Ha. Mixed species of saplings should be selected for enhancing bio-diversity. Also the reclamation program in the leasehold area should be implemented phase wise as envisaged.	100-meter wide greenbelt is planned for development around the mine lease. Since the initiation of the development year 1996 of this mine, 190 Hacters of greenbelt comprising 269326 Nos. of trees have been developed. During last monsoon 2020, total 41,057 No's of plantation have been done covering 36.09 Ha areas. Current monsoon period of 2021 plantation at reclaimed area are in progress and final report is to be included in next half yearly compliance report.
08	Three year – stage remote sensing imageries to monitor the changes in the land use pattern and related impacts due to mining in the region should be submitted.	Three year stage remote sensing imagery is procured for mining project from ISRO and gets analyzed through RRSSC – Jodhpur. Imageries were taken for the block year 2015-16 has been done and report has already submitted to MOEF vide letter no SLPP / Vastan Mines / Eccompliance/2016/548, dated -25.01.16.
		Further for 2018-19 remote sensing imaginary of Vastan mine has been done by RRSSC – Jodhpur through work order No. SLPP/Mines/RRSSC/2018/1622 dated 11.05.2018 and final report has been sent to MOEF & C by letter No. SLPP / Vastan Mines / Remote Sensing Report-2018/503, dated -16.02.2019.

Proponent Name - M/s Gujarat Industries Power Company Limited Project Name - Vastan Lignite Mines, EC.No. - J-11015/40/95 – IA.II (M) dated 19-06-1996 File No. 3-5/96(ENV)/260 Dated: 12/05/2020 Period of compliance - from Jan-21 to June-2021.

Sr.	Conditions	Compliance
no. 09.	Environmental Man agent Cell has to be established to carry out functions relating to environmental management actions plans. The head of the cell should directly report to the Chief Executive.	An Environmental Management Cell has been established in the company. Head of Management/GM (Mines) is the head of the Environmental Management Cell.
10	Adequate fund provision (capital and recurring expenditure) should be provided for implementation of all safeguards including socioeconomic development program. The fund earmarked for environmental measures will not be diverted for any other purpose.	Adequate fund provision (Capital and recurring expenditure) is made in the yearly budget of the mining project for implementation of all environmental safeguards and for environmental measures Rs 146.97 Lakhs expanded for the year 2021 (Jan. to June-21) detail enclosed in data Monitoring Report, Part – I of Data Sheet ANNEXURE - B Moreover the company is also directly funding in CSR (i.e. DEEP) by various means for carrying out the various activities including socio-economic development program.
11	Environmental Compliance Status vis-à-vis project implementation report should be submitted for the scrutiny of this Ministry once in 6 months regularly.	Environmental Compliance Status vis-a-vis project implementation report is being submitted to the Ministry of

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