

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

SLPP/ Mangrol-Valia Mines/Env Compliance/2019/Jan-June 2335

Date 22/07/2019

RPAD

To
The Regional Director
Ministry of environment and forest
Regional Office, Western Region
Kendriya Paryavaran Bhavan
Link road No: 3,
E-5, Ravi Shankar Nagar
Bhopal-462016

Sub: Submission Compliance report of Environment clearance for half-yearly

Ref: MoEF Environment clearance No: J-11015/38/99-IA-11 (M)- Dated 21/07/2003.

Dear Sir,

As per Environment clearance accorded, we are submitting Compliance report of Environment clearance for the period from Jan-19 to June -19.

The Reports are attached herewith for your kind information, please.

Thanking You

For Gujarat industries power Co ltd.

Prakash Chand AGM (Mines) Valia Mine

Encl; as stated.

AN IMS COMPANY

Phone : EPABX (0265) 2232768/2213/0159

Fax : 2231207 E-mail : genbaroda@gipcl.com

Web

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

Website: www.gipcl.com CIN No.: L99999GJ1985PLC007868



COMPLIENCE REPORT OF MANGROL - VALIA MINE AS PER APPROVED MINING PLAN FOR 4.2 MTPA

Ref: - MoEF New Delhi Environment clearance No. -J-11015/38/33-IA.II (M) Dtd 21/07/2003

Sr.No	Condition	Compliance Status
	SPECIFIC CONDITION AS P	ER MOEF
1	Top Soil Should be stacked properly with proper slope at earmarked site (s) with adequate measure and should be used for reclamation and rehabilitation of mined out area.	Top soil comprises of black cotton soil and being stacked separately with proper slope with adequate measure. Separate dump area is earmarked.
ii	OB dumps of 204 ha in Mangrol Block and 107 ha of valia Block would be made. OB should be stacked at earmarked dumpsite only. The total height of the dumps should not exceed 50 m in two stages of 25 m each. The overall slope should not exceed 28 degree. A stone masonry retaining wall will be constructed along the toe of the dump. Concurrent backfilling should be start from the 6 th year. Monitoring and Management of rehabilitated areas should be submitted to the Ministry of Environment & Forest and its Regional office located at Bhopal on years basis.	 In Mangrol block the overburden dumping has been done on the non mineral bearing area. The Overburden dump outside will be used for filling the void created during the mining of lignite as per approved mine plan in due course. The height of the dump is max 47 meters from the ground level & the overall slope is 16 degree. Retaining wall has been prepared all along the toe of the external dump by using stones. Whereas in Valia block Overburden has been dumped on the mineral bearing area, which will be rehandled and will be used for backfilling the void created during mining in due course of time, as per approved mining plan
lii	Catch drains and siltation ponds appropriate site should be constructed to arrest silt and sediment flows from soil. OB and minerals dumps. The water so collected should be utilized for watering the mine area, roads green belt development, etc. The drains should be regularly desilted and maintained properly. Garland drains (size, gradient & length) and sump capacity should be designed keeping 50 % safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mines site. Sump capacity should also provide adequate retention period to allow proper settling of silt material.	In Mangrol Block Catch Drain of around 4500 mtrs length x 4 mtr wide & siltation ponds (4 Nos., each of size 30 x 70 x 3.5 m3) and in Valia Block suitable drains along with 3Nos. of siltation ponds and measuring around 30X20X3 m3 have been constructed so as not to allow flow of debris, silt & sediment into the drainage channels. Collected water is used for plantation & water sprinkling. Garland Drain has been constructed for mine pit waste dumps which are de-silted and properly maintained. The dimensions of Garland drain suitable size has been constructed in and around the quarry area and the external dump with proper gradient to prevent the rain water decent into the active mine area. Sump capacity in Mangrol block 325000 M3 and in Valia block 250000 M3 has been designed considering Maximum rainfall and catchment area.
iv	Dimension of retaining wall at the toe of dumps and OB benches the mine to toe check runoff and siltation should be based on the rainfall data.	The suitable retaining wall by using stones has been made considering the rainfall data.



	All offerts should be made by the project properent to	Suitable alternate land will be provided for
V	All efforts should be ,made by the project proponent to exclude acquisition of 25 Ha of grazing land, if not found feasible, extra land should acquired in non mineralized area for development of an alternate grazing ground.	development of an alternate grazing ground before acquiring the grazing land.
vi	A detailed mine commissioning plan should be submitted to the Ministry of Environment & forest 5 years in advance of approval.	Mining Plan approved by Ministry of coal has been submitted.
vii	A Green belt of adequate width should be raised for suppression of dust by planting the native plant species around ML area, along ML boundary, roads. OB dumps sites, etc. in consultation with the local DFO / Agriculture Department. The density of the trees should be around 2500 plants per ha. At the end of 20 th year, plantation should cover a) Backed fill area – 1038.16 Ha b) External OB dumps – 311 Ha c) 50 Ha of topsoil dump, and 328.84 Ha green belt.	We are implementing the program of plantation through M/s DEEP Trust (an NGO promoted by GIPCL.) Till date, in Mangrol block, 47591 tress have been planted in 27.5 Ha area where as in Valia Block, 153509 trees have been planted in 95.5 Ha area. Thus, total greenbelt development on 123.4 Hectares of peripheral mining lease area comprising of 201100 no. trees have been developed. (annexure-I)
viii	Regular Monitoring of Ground water level & quality should be carried out by establishing a network of existing wells and construction of new piezometers. The monitoring should be done four times a year in pre – monsoon (may). Monsoon (August) post – monsoon (November) and winter (January) season. Data thus collected should be submitted to the Ministry of Environment and Forests and the Central Ground Water Board Ahmadabad quarterly within 1 month monitoring.	Ground water level monitoring is being carried out through peizometer installed in Mangrol Valia block. Ground water quality monitoring is being carried out by M/s Eco system Environment.(annexure—II)
ix	Project authorities should furnish ground water resource estimation either block or buffer zone wise and also assess impact on ground water regime accordingly and submit report Ground water resources estimation report submitted MOEF CGWA, Delhi, within six months.	M/s M.G. Science institute Ahmadabad, carried out the initial survey of Ground water level and has submitted their report.
X	The project authorities should meet water requirement of nearby village(s) in case the villages wells go dry due to dewatering of the mine.	Till date there is no case of wells going dry in the nearby villages, due to mining activities. In future if this happens, we will meet the water requirement of the nearby villages.
xi	Sewage Treatment Plant should be installed for the colony.ETP should also be provided for workshop and CHP wastewater.	STP is installed in the colony (common for plants & Mines). The STP is used for Plantation.
xii	Digital processing of the entire lease area using remote sensing techniques should be done regularly once in 3 years for monitoring land use pattern and report submitted to MOEF and its Regional Office Bhopal.	We have carried out Digital processing of the entire lease area using remote sensing techniques through Regional Remote Sensing Center west, Jodhpur to collect the Base line in data in June 2018 and will be submitted to the regional office MOEF Bhopal after getting report The Land use pattern is monitored using remote sensing regularly once in 3 years & the report submitted to the Regional office MOEF, Bhopal.
xiii	Efforts will be made to exclude acquisitions of 25 ha Grazing Land. If Found feasible extra land will be acquired in non—mineralized area for development of an alternate grazing land.	Suitable alternate land will be provided for development of an alternate the grazing land.

В.	GENERAL CONDITIO	N AS PER MOEF
i×	No change in mining technology and Scope of working should be made without prior approval of the Ministry of Environment and Forests.	In case of any change, we will intimate and take necessary approval from MOEF.
ii	No change in the calendar plan including excavation, quantum of mineral, coal and waste should be made.	Will be done as per approved Mining Plan.
iii	Four Ambient air quality monitoring station should be establish I the core zone as well as in the buffer zone for RPM, SPM, SO2, NOx and CO monitoring. Location of the station should be decided based on the meteorological data, topographical feature and ecology sensivity targets in consultation with the Gujarat State Pollution Control Board.	Complied Regular air quality monitoring is being carried out by M/s Ecosystem Resource Management , Surat as per the guidelines of GPCB.
iv	Data on ambient air quality (RPM, SPM, SO2, NOx and CO) should be regularly submitted to the Ministry including its Regional Office at Bhopal and the Gujarat State Pollution Control Board and the Central Pollution Control	The data on the ambient air quality is regularly submitted to the Regional office MOEF, Bhopal & the Gujarat State Pollution Control Board.
٧	Drill Should be wet operated or with dust extractors and controlled Blasting Should be practiced.	Drilling & Blasting is not practiced at our mine & hence the condition is not applicable.
vi	Fugitive dust emissions from all the sources should be controlled regularly monitored and data recorded properly. Water spraying arrangement on haul roads, wagon loading dump trucks (loading & unloading) points should be provided and properly maintained.	Dust emission at the faces, haulroads & loading/unloading points are controlled by the effective water sprinkling system. We uses total 4 Nos of water sprinklers capacity ranging from 12 KL to 20 KL. The dust emission is regularly monitored by portal to portal & static monitoring system & the record is maintained properly.
vii	Adequate measure should be taken for control of noise level below 85 dBA in the work environment. Workers engaged in blasting and drilling operation, operations of HEMM, etc Should be provided with ear plug/muffs.	 Adequate measure have been taken to control the work noise level within stipulated limit Some of the measure are- Mining equipment is provided with Noise proof cabins. Regular maintenance of noise generating machinery. Development of green belt along the roads. Workmen engaged in HEMM operation are provided with ear plugs/muffs.
viii	Industrial waste (workshop & waste water from the mine) should be properly collected, treated so as to confirm to the standard prescribe under GSR 422 (E) dated 19 th May 1933 and 31 st December 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.	No waste from the mine is discharged outside. Used oil quantity to the tune of 1200 ltr/ annum and discarded container quantity of 06 nos given to the registered refiners/ recyclers (Annexure – IV)
ix	Vehicular emissions should be kept under control and regularly monitored.	All vehicles in the mine have been checked and pollution under control Certificates has been taken by Govt authorized Vendor.
X	Acid mine water, if any, has to be treated and disposed of after conforming to the standard prescribe by the competent authority.	No mine water has been allowed to become acidic. However if so needed water will be treated to keep it under prescribed limit of the GPCB.



xi	Environmental laboratory should be established with adequate number and type of pollution monitoring and analysis equipment in consultation with the Gujarat State Pollution Control Board.	Environmental laboratory has been established having following pollution monitoring & analysis equipments. a) Noise level monitoring dozemeter b) Digital lux meter c) High volume Dust sampler d) PDS (CIP – 10) e) Weight Balance (L.C. – mg) etc.
xii	Person working in dusty areas should wear protective respiratory devises and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the worker should be under taken periodically to observe any contraction due to exposure to dust and take corrective measure if needed.	Dust mask has been provided to all workmen working in the dusty areas and the necessary training has been imparted at our Vocational training center. For periodical Occupational health check up in connection to dust related disease, our occupational Health Center is equipped with 300 mA X -Ray machine, Spirometery and other equipment. Occupational health survillence programme is under taken periodically as per the Mines rule - 1955 (Annexure-VI)
xiii	A separate Environmental Management Cell with suitable qualified personnel should be set up under the controller of Senior Executive, who will report directly to the Head of the company.	Environment Management cell has been set up.
xiv	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other propose. Year –wise expenditure should be reported to the Ministry and its Regional Office located at Bhopal.	Separate financial provisions for environmental protection allocated in every year annual budget the year wise expenditure is also reported to the MOEF Regional office, Bhopal vide our half yearly report.



Prakash Chand

Addl. General Manager (mines)
Valia Lignite Opencast Mine
Surat Lignite Power Plant,
Gujarat Industries Power Company Ltd,
P.O- Nani Naroli, Taluka- Mangrol,

Dist- Surat, - 394110

Gujarat.

FORM-4

[See Rule 5(6) and 22(2)]

Financial Year - 2017 - 18

Industry: Mangrol-Valia Lignite Mines of M/s Gujarat Industries Power Company Limited.

(GPCB ID - 29713) FORM FOR FILLING ANNUAL RETURNS BY THE OCCUPIER OR OPERATOR OF FACILITY

To be submitted by occupier/operator of disposal facility to state pollution control Board/pollution control committee y 30th June of every year for the preceding period April to March).

		and period April to I	March).	1	ion control comm
Name and address of	· Cu		,	-	
Generator of facility	u the	: Mangrol-Valia Lignite P.O- Nani Naroli, Talu	Mina		
2 Name and authorize	<u>/</u>	P.O- Nani Naroli, Talu : Shri N.K.Purohit, C.G.	wine, Gujarat j	Industries Power C	Omnany I +4
Towns of the state	d	: Shri N.K.Purohit, C.G. Guiarat Industries R.	ka:- Mangrol, I	ist:- Surat. 394110	onipany Ltd.
person and full addre	ess	Guiarat Industria P	M.(Mines)		
with telephone and f	ax	Gujarat Industries Pow P.O- Nani Naroli, Talul	er Company Lto	1.	
number	}	P.O- Nani Naroli, Talul Tel:- 02629-261087, Fa	ka:- Mangrol, D	ist'- Surat 204110	
Description of		Tel:- 02629-261087, Fa	x No- 02629-26	1112	
hazardous waste	1.	Physical form with des	scription	71112.	
				Chemical fo	rm
1	1	of the Hydraulic & lubri Heavy Earth Moving Ac	cant oil t	et	
1			cam on used in		;
4 Quantity of hear		Heavy Earth Moving Main Mines.	teninery deploye	ed	
Quantity of hazardous	· :	Type of hazardove		<i>-</i>	e e
waste (in MTA)		Waste/Used Oil in the	te	Quantity (In	Terror
1		Waste/Used Oil in liquid of the Hydraulic & India	form as a reject	C-minty (III	Lones/KL)
1	- 1 1	of the Hydraulic & lubric Heavy Earth Movies 1	ant oil used in	, ,	
	11	Heavy Earth Moving Macin Mines.	chinery denlove	d 1.0	00 Te
Description of storage	1 1	Cto	Jpxoyo	u ,	
Description of treatmen	-+-+	Stored in closed Vessel/ B	arrel		 _
Details of transportation		out to authorized recycla	r for disposal		
)	1 1	Name & address of	Mode of	<u></u>	2 12 12 12 12 12 12 12 12 12 12 12 12 12
	1 1	consignee		Mode of	Date of
		M/s S.R.LUBRICANTS	packing	transportation	fransportos
<u>J</u> .	11:	Plot No- 22, Jaganath			transportation
· ·		Maharaj Farm, Opp	Barrel	By Truck	17 ***
	11	Sikandar M. Opp	Dattel	Dy Huck	01-12-2017
		Sikandar Market,			12 2017
	1	Danilimanda,	-	1	28-03-2018
Details of disposal of	N	- ~ MILLOUALIANI- / X	1		20-03-2018
hazardous waste	1 . 1 14:	ame & address of	Mode of	 	
	CO	nsignee	packing	Mode of	Date of
Quantity of useful	As	Above		transportation	transportation
materials sent back to	: Na	ime and type of materials			1
the manufacturer and	ba	ck to	ssent	Quantity (In To	nes/KT)
others			j	J (~~ 10.	(LIXION
ouiota .	041	nufactures:-N/A		N/A	
	1 Oti	hers:- N/A		N/A	

Place: Mangrol-Valia Date: 16-04-2-18

Signature:

Name: PRAKASH CHAND,

Designation: Addl. General Manager (Mines)





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@glpcl.com

RPAD

SLPP/Mangrol-Valla Mine/ GPCB/Hazardous waste/ 1339

14th April 2018

To,

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Environment Engineer (In Charge Surat Region) Gujarat Pollution Control Board, Paryawaran Bhavan, Sector-10 A, Gandhinagar (Gujarat).-382043

Sub: Submission of Form –4 (Annual Return) in respect of Mangrol-Valia Lignite Opencast Mine, Surat region (GPCB ID-29713).

Dear Sir,

Kindly find enclosed herewith duly filled Form -4 (Annual Return), regarding disposal of hazardous waste of Mangrol-Valia Lignite Opencast Mine for the year 2017-18 duly signed by competent authority.

Hope you will find the statement in order.

Thanking you,

For, Gujarat Industries Power Company Limited (GIPCL)

PRAKASH CHAND

Addl. General Manager (Mines)

Encl: Form-4

: Hazardous Waste Disposal Statement

Cc: (1) Regional Officer, Surat R.O.

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

(2) Regional Officer, Ankles war R.O.

Gujarat Pollution Control Board,

Plot No-1501, GIDC Estate, Above ARAIL Ltd, Ankleswar.

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



Phone: EPABX (0265) 2232768/2213/015

Fax: 2231207 E-mail: genbaroda@gipcl.cor

Website: www.gipcl.com



Hazardus Waste Disposal Statements QTY is in Metric Tonnes

Gujarat Pollution Control Board

Year: 2017 - 2018

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#Trucks	0.000	0,000	0,000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0,000	0.000	0.000	0.000
To Other State	0.000	0.000	0,000	0.000	0.000	0.000	0.000	0,000	0.000	0.000	0.000	0.000	0.000	0.000
Self Recycle/Re use/Captiv e Utilization	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
sent to Recyclers	0.000	0.000	0,000	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	-0.500	0.500
Qty Utilized	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0,000
Co- Processed / Co- Incineration	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	000.0	0.000
Captive Incinerable	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Comman	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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Comman SLF/TSDF	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Year	2017	2017	2017	2017	2017	2017	2017	2017	2017	2016-	2018	2018	2018	
Month	Aprii	May	June	July	August	September	October	November	December	As Per Yearly Return	January	February	March	

29713-Mangrole Lignite Mine-Gujarat Industries Power Company

NÁNI NAROLI - 394110 DIST: Surat, TAL: Mangrol, SIDC: Not In Gidc PHONE NO: 02629-261112

Yours Faithfully

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FORM- O

(See Rule 29F (2), and 29L)
Report of medical examination under rule 29B
(The issued in triplicate)

Certificate No

- a. is medically fit for any employment in mines.
- b. is suffering from.....and is medically unfit for
 - (i) any employment in mine; or
 - (ii) any employment below ground; or
 - (iii) any employment or work.....

He/She may be permitted/not permitted to carry on his duties during this period.

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Signature of the examining authority

DR CTSHOR PCTT Name and designation in Block letters

Resident Medical Officer
GIFCL (SLPP)

Place:

Date:

FORM-O- Contd.....

Report of the examining authority

(To be filled in for every medical examination whether initial or periodical or re - examination or after cure/control of disability)

or re - exammation of	os a result of medical
Amovure to certificate No	as a result of medical
Annexure to certificate from	
examination off	
Identification mark	Left thumb impression of the candidate Good/Fair/Poor
(ii) any organic disease of eyes. (iii) night blindness. (iv) colour blindness. (v) squint. (to be tested in special case) 5. Ears: (i) Hearing right ear. (ii) any organic disease. 6. Respiratory system: Chest measurement: (i) after full inspiration. (ii) after full expiration.	Distant vision (With and without glasses) Left eye
7. Circulatory system: Blood Pressure: 122 80 Pulse: 80 mi)	
8. Abdomen Tenderness Liver Spleen	
Tumour	

Report of Medical Examination as per the recommendation of National Safety Conferences in Mines (To be used in continuation with form O)

Certifi Name	cate No: Viksem Si	nh M Raj put	
Identi	fication Marks:		
1.	Cardiological Assessment		
	Auscultation	S1 S2 Additional Sound	Norma
	Electrocardiograph (12 lea	ads) findings:	Normal/Abnormal
2.	Enclosed ECG Neurological Assessment		:
	Findings	1 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	lormal/Abnormal :
	Superficial Reflexes		
	Deep Reflexes 1. L.2	7 m 3 . 1 3 3 . 1 m	1. Nama
:	Peripheral Circulation		/ / /
;	Vibrational Syndromes		
3.	ILO Classification of Che		1
	Profusion of Pneumoconic	otic Grades	Types
	Present/Absent	· ·	
	Enclosed Chest Radiograp	oh :	
		Sold to be a substitute of the	
4.	Audiometry Findings:	Mark Commence	TV:
	Conduction Type	Left Ear	Right Ear
	Ear Conduction	Normal/Abnormal	Normal/Abnormal
	Bone Conduction Same	Normal/Abnormal	Normal/Abnormal
	10 11 3 10 183		
	And Andrews		
			ak. Ayang

Report of Medical Examination under Mines Rule 29B (To be used in continuation with form 0)

Certificate No:

Missempina

M

Identification Marks:

Result of Lung Function Test (Spirometry)

<u> </u>	Predicted Value	Performed Value	% Of Predicted
Parameters i	Predicted value	9522	85
Forced Vital Capacity (FEV)	320	0 113	.91
Forced Vital Capacity IFEVI	2.70	-2950	102
FEV1/FVC	84.33	90.8	100
	0.60	<u> 4.88</u>	5.7
Peak Expiratory Flow	1		•

Spirometry Report enclosed

Signature of Examination Authority

Resident Medical Officer | | GIPCL (SLPP) Report of Medical Examination under Mines Rule 29B (To be used in continuation with form 0)

Name: Mikranginh M Rajput
Identification Marks:

Result of Lung Function Test (Spirometry)

	n listed Volue	Performed Value	% Of Predicted
Parameters	Predicted Value	9.72	82
Forced Vital Capacity (FEV)	2.70	2.47	91
Forced Vital Capacity IFEVI	24.22	90.82	108
FEV1/FVC	0.60	4.88	57
Peak Expiratory Flow			

Spirometry Report enclosed

Signature of Examination Authority

Resident Medical Officer GIPCL (SLPP)

9. Nervous System:
History of fits or epilepsy.
Mental health

10. Locomotor system:

11. Skin

12. Hernia

13. Hydrocele

14. Any other abnormality

15. Urine

Reaction
Albumin
Sugar

- 16.Skiagram of chest.
- 17. Any other test considered necessary by the examining authority.
- 18. Any opinion of specialist considered necessary.

Signature of the examining authority

Place:

Resident Medical Officer GIFCL (SLPP) Piezometer Reading

DATALOGGER ID	DATE/TIME	BATTERY VOLTAGE (V)	WATER LEVEL (mWC)	TEMPERATURE (degC)	BAROMETRIC (hPa)
B009	4/1/2019 14:00	2.95	-8.74E+00	28.3	1002
B009	4/3/2019 14:00	2.95	-8.91E+00	28.3	1000.4
B009	4/5/2019 14:00	2.95	-8.68E+00	28.3	1003.8
B009	4/7/2019 14:00	2.95	-9.03E+00	28.3	1001
B009	4/9/2019 14:00	2.95	-9.20E+00	28.3	1001.5
B009	4/11/2019 14:00	2,95	-8.91E+00	28.3	1001.2
B009	4/13/2019 14:00	2.95	-8.48E+00	28.3	1001
B009	4/15/2019 14:00	2.95	-9.60E+00	28.3	1000.6
8009	4/17/2019 14:00	2.95	-8.56E+00	28.3	1003.4
8009	4/19/2019 14:00	2.95	-8.77E+00	28.3	1000.3
8009	4/21/2019 14:00	2.95	-7.96E+00	28.3	998.8
B009	4/23/2019 14:00	2.95	-7.91E+00	28.3	1000.3
8009	4/25/2019 14:00	2.95	-7.53E+00	28.3	1002.1
8009	4/27/2019 14:00	2.94	-8.13E+00	28.3	998.4
B009	4/29/2019 14:00	2.95	-8.13E+00 -8.02E+00	28.3	998.8
B009	5/1/2019 14:00	2.95	-7.45E+00	28.3	996.9
	 				
B009	5/3/2019 14:00	2.95	-8.56E+00	28.3	998.9
B009	5/5/2019 14:00	2.95	-9.27E+00	28.3	1003.9
B009	5/7/2019 14:00	2.94	-8.10E+00	28.3	1000.6
B009	5/9/2019 14:00	2.95	-7.87E+00	28.3	1001.3
B009	5/11/2019 14:00	2.95	-8.75E+00	28.3	1001.4
8009	5/13/2019 14:00	2.95	-8.33E+00	28.3	999.7
B009	5/15/2019 14:00	2.94	-8.03E+00	28.3	1001
B009	5/17/2019 14:00	2.94	-9.22E+00	28.3	1002.2
8009	5/19/2019 14:00	2.94	-8.59E+00	28.3	1000.5
B009	5/21/2019 14:00	2.94	-8.05E+00	28.3	1000
В009	5/23/2019 14:00	2.94	-7.79E+00	28.3	998.5
B009	5/25/2019 14:00	2.94	-8.09E+00	28.3	998.8
B009	5/27/2019 14:00	2.94	-9.05E+00	28.3	998.3
B009	5/29/2019 14:00	2.94	-1.01E+01	28.3	997.1
B009	5/31/2019 14:00	2.94	-1.06E+01	28.3	996.7
B009	6/2/2019 14:00	2.94	-9.80E+00	28.3	998.1
B009	6/4/2019 14:00	2.94	-9.80E+00	28.3	998
8009	6/6/2019 14:00	2.94	-8.48E+00	28.3	998.1
B009	6/8/2019 14:00	2.94	-8.60E+00	28.3	997.7
B009	6/10/2019 14:00	2.94	-9.21E+00	28.3	994.9
B009	6/12/2019 14:00	2.94	-8.16E+00	28.3	990.8
B009	6/14/2019 14:00	2.94	-8.05E+00	28.3	994.3
B009	6/16/2019 14:00	2.94	-8.03E+00	28.3	997.7
B009	6/18/2019 14:00	2.94	-8.17E+00	28.3	994.8

6' 1 66	2.82	-8.11E+00	2.93	7/2/2019 14:00	6008
⊅.266	28.3	00+3€6.7-	2.93	00:41 6107/08/9	6008
S66	28.3	-8,51E+00	2.93	00:41 6102/82/9	6008
966	£.82	-8.53E+00	2.93	00:41 6102/92/9	6008
S'966	28.3	-8.26E+00	2.93	00:41 6102/42/9	6008
S'S66	28.3	-9.27E+00	2.93	00:41 6102/22/9	6008
2.766	2,82	00+306.8-	76.2	00:41 6102/02/9	6008

ANNEXURE - II

Sub: Expenditure made for the Environmental Management Plan with item wise & year wise break-up. (All figures are in Lac Rs.)

7%		
20.34 0.96 6.90 4.22	20.34 0 96 6.90 4.22 -	20.34 0.96 6.90 4.22 - - 120.14
32.65 32.65 3.46 1.37.7	31.7 32.65 3.46 1.90 1.98	32.65 32.65 3.46 1.90 1.98 1.98
planta planta nance prond. cle pond. Garland d ng nental par supp supp supp supp supp supp supp sup	renance renance renance g pond, Gerland d aring nmental par supp ss in mines Supp s of the reg Water 9	plants plants pond. Garland d ng nental par supp supp supp verter
pond. cleaning of Silting pond for settlement of suspended solids from the pond. Catch discharge mine water, being pumped out during the Garland drains etc. monsoon season. Of Monitoring of Environmental parameters viz. Air quality nental parameter (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. Suppression Round the clock water spraying and road grading prevents formation & emission of Dust sensing. Three year stage remote sensing to monitor the changes of the region. In the land use pattern and related impacts due to mining.	pond, cleaning of Silting pond for sell-tement of suspended solids from the pond, catch discharge mine water, being pumped out during the discharge mine water, being pumped out during the normal parameters viz. Air quality mental parameters will all measurement in villages peripheral to the mining lease area & Micrometers formation & emission of the season/quarter. Suppression Round the clock water spraying and road grading prevents formation & emission of Dust sensing. Three year stage remote sensing to monitor the changes of the region. Whater quality Ground water level & quality monitoring in the core as well as buffer zone.	Surface in mines Suppression Suppression Suppression The Water quality Ground water level & quality monitoring in the family of the family of the family of the family of maken water with the core as well of the mining lease area & Micrometrial parameter (SPM, SOx, NOx, CO). Water quality (Physical, Chemical & Glological tests). Noise survey & Dust fall measurement in villages peripheral to the mining lease area & Micrometrial parameter in villages peripheral to the mining lease area & Micrometrial parameter in villages peripheral to the mining lease area & Micrometrial parameter in villages peripheral to the mining lease area & Micrometrial parameter in villages peripheral to the mining lease area & Micrometrial parameter in villages peripheral to the mining lease area & Micrometrial parameter formation & emission of Dust sensing to monitor the changes are sensing to monitor the changes are well as buffer zone
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P.C. Goyal
Dy. General Manager (Mines)

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ANNEXURE - 1

PLANTATION ACTIVITY FROM 2011 TO June. - 2019

No. of trees		16410	15344	12437	3400	153509		197700+3400		*			100 Kg	200 Kg	100 Kg	05 Kg				ž.
Area (Ha)		11.0	9.5	5.0	2.4	95.5		121.0+2.4					02.0	020	0.80	05.0				
	Location	Soft Side of alternative Shah Road & Lignite Transport Road &	Out plant stockyard	Both side of Lignite Transport Road	Lease Boundary of Mangrol Pil	Lease Boundary of Mangrol Pit	Lease Boundary around Valla Fit		TOTAL(A)		External dump			External dump	Vastan north pit dump	Along OB dump benches of Valia Mine	Along periphery of Mangrol Mine	Along OB dump benches of Valia Mine		
	Code	⊢ع.ٍ⊦					GBD-VA	1		Dump Plantation	2		Seed Spraying	2	3	4	_	<u>c</u>	18 -	- 10
•	SNo Year	+-	2 L	vear	2012		June	2018		nnd (R)			See	-	2013	 		50.02	5 2018	

P.C.Goyal
Dy. General Manager (Mines)

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Medical Examination Report

Workers Name	VIKRAMSU	NH M RAJPUT	Γ		Age	33		Tit	
Company Name	 	INFRA PVT L		- 1	Sex	M			
Company Name Company ID		Job Profile	DUMPER OPERATOR	1	Blood Group	A+VE			
Promed ID	18101101	-88	TOT BACTON		Form B No:	PCP/0250			
							1 2 4	· -	
Height		163	cm		ВМІ	22	Chest (Ins) cm	95	
Weight		59	kg				Chest (Exp) cm	90	
Pulse		80	/min		ВР]	122/80 mm Hg		
1.			v	isio		 			
			<u></u>			T		<u> </u>	
	Glasses		Right - Left 6/6, 6/6		Colour Vision	ACCEPTA	BLE		
Distant Vision	NO	N6 - N6			Night Blindness	NO)		
Near Vision	NO		NO - NO		Might Dimuness	100	<u> </u>		
	· · · · · · · · · · · · · · · · · · ·		Physical	Exa	mination		·		
General Examina	ation	NAD	!			·	1	·.	
Respiratory Syst		Clear AEBE	· · · · · · · · · · · · · · · · · · ·	- :			1		
Cardiovascular S		S1 S2 - Norr	nal		T. (.		2	· · · · · · · · · · · · · · · · · · ·	
Per Abdomen	<u> </u>	NAD					1		
Neurologic Syste	em	NAD	<u> </u>				-		
Comotor Syste	em	Normal	in the second se		7 th 1	:	-		
Hernia Hydroce	le	Not Any						:	
		-			31.	:		11	
			Inves	stig	ations				
Hemoglobin	15.9		g/dL (12-17)		S. Cholesterol	125.8	mg/d	L (<240)	
Total Count	5700	/cm	m (4000-10500)		S. Triglyceride	85.3	mg/d	L (<200)	
Platelets	266000	/cmm	(150000-450000)		S. Creatinine	1.17	mg/dL	(0.6-1.40)	
ESR	10		(0-20)		Blood Urea	24.5	mg/dl	. (10-40)	
Fasting Sugar	90.2	m	ıg/dL (65-110)	Post Prandial Sugar		126.6	mg/dL	/dL (65-110)	

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5. Pathological/Microbiological Investigation

		Findings
S.No	Tests Pop Platalets	WNI/Abnormal
1.	Blood- Tc, Dc, Hb, ESR, Platelets	WNL/Abnormal
2.	Blood Sugar-Fasting & PP	WNL/Abnormal
3.	Lipid profile	WNL/Abnormal
4.	Blood Urea, Çreatinine	WNL/Abnormal
5.	Urine Routine	WNL/Abnormal
6	Stool Routine	

Enclosed Investigation Reports.

6. Special Tests for Mn Exposure

Behavio Neurological Disturbances	Speech Defect Tremor Adiadocokinesia Emotional Changes	Present/Not Present Present/Not Present Present/Not Present Present/Not Present Present/Not Present
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7. Any other Special Test Required:

Signature of Examination Authority

Resident Medical Officer GIPCL (SLPP)



18101101-88- VIKRAMSIN RAJPUT

33 YRS

X-RAY CHEST:

15,10.2018

LUNG FIELDS REVEAL NORMAL LUNGS

HEART REVEALS NORMAL CONFIGURATION WITH NORMAL AROTA.

NO PLEURAL EFFUSION SEEN.

COMMENTS: NORMAL LUNGS, HEART & BONY CAGE



PROMED OCCUPATIONAL HEALTH CENTER

(A Unit of P S Healthcare)

Complex Nizampura, Vadodara-390 002, Email: promed.ohc@outlook.com M: +91 982577133



M.		-luction		Stool Examin	ation
	Urine Exan		Pus Cells	0_1	3-4/hpf
Pus Cells	1_2	3-4/hpf	- Pus Cens		NIL
Casts	NIL	NIL	Ova	NIL	
Red Blood Cells	NIL	NIL	Occult Blood	NEGATIVE	NIL
44			Other Tests		
Audiometry	NORMAL AUDIO	OMETRY	ECG	WNL	
PFT	NORMAL PFT		Xray	WNL	

FITNESS:

FIT

Advise:

NIL

Doctor's Signature & Stamp

DR. KALRAV THAKKAR

MBBS;PGCIH)

G-45981

ochpational Health Specialist

JMED OCCUPATIONAL HEALTH CENTRE





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 1811		

TEST REPORT

Reg. No Name

: 1810101714

: VIKRAMSINH M RAJPUT (18101101-88)

Reg. Date Collected On: 11-Oct-2018

: 11-Oct-2018

Age

: 33 Years

Sex: Male

Ref. By

Location

<u>Parameter</u>

Disp. At

Result

<u>Unit</u>

Biological Reference Interval

STOOL EXAMINATION

GROSS EXAMINATION

Colour

Yellow

Consistency

Semi Solid

Adult Worm/Parasite

Not Present

Blood

Not Present

Pus

Absent

Mucus

Absent

CHEMICAL EXAMINATION

Occult Blood

Negative

Reaction

Acidic

Reducing Substance

Absent

CROSCOPIC EXAMINATION

Pus Cells

0 - 1

Red Cells

Not Present

Epithelial Cells

Not Present

Vegetable Cells

Not Present

Trophozoites

Not Present

Not Present

Cysts Ova

Not Present

Neutral Fat

Ni

----- End Of Report -

Dr. Tushar Sonaiya

MD

.10,3

PROMED OCCUPATIONAL HEALTH CENTER

(A Unit of P S Healthcare)



AUDIOMETRY REPORT

Name

Case No.

Age

Sex

VIKRAMSINH M RAJPUT

88

33

Μ

Address

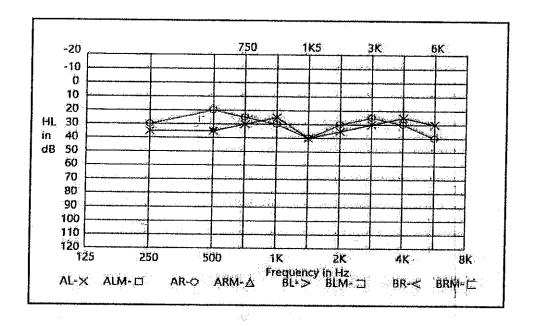
Phone No.

Date

Reffered By

12-Oct-18

PROMED OHC



Interpretation

NORMAL AUDIOMETRY

DR. KALRAV THAKKAR

(MBBS;PGCIH)

G-459

Occupational Health Specialist PROMED OCCUPATIONAL HEALTH CENTRE

PROMED OCCUPATIONAL HEALTH CENTER

(A Unit of PS Healthcare)





Reg. No

: 1810101714

Name Age

: VIKRAMSINH M RAJPUT (18101101-88)

; 33 Years

Sex: Male

Ref. By

Location :

Disp. At :

SIREPURI	
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Reg. Date

: 11-Oct-2018

Collected On: 11-Oct-2018

		* :		the state of the s
Parameter	Result	<u>Unit</u>	Biological Re	ference Interval
	ВІО	- CHEMISTRY		
sting Blood Sugar (FBS)	90.2	mg/dL	65 - 110	
Post Prandial Blood Sugar (PP2BS)	126.6	mg/dL	65 - 140	
Creatinine	1.17	mg/dL	0.6 - 1.40	
UREA	24.5	mg/dL	10 - 40	į.
		End Of Bonort		<i>1</i>

Dr. Tushar Sonaiya

MD

J # 3 1,

Clarity

PROMED OCCUPATIONAL HEALTH CENTRE

SF-06 JAY COMPLEX, NIZAMPURA ROAD, NIZMPURA, VADODARA-390002

Pred

FVC TEST Date: 11-10-2018 (T1)

Parameter

Pred Eqn : CLARITY Ref By : NONE

Pre

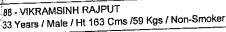
Pre%

Eth.Corr: 100

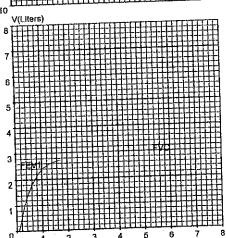
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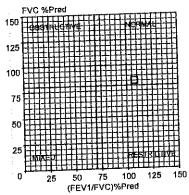
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- Pre Medication Report :

Early Small Airway Obstruction. Spirometery within Normal range as FVC% >= 80 And FEV1/FVC% > 70

Parameter							i 1
FVC		3.20	2.72	85			
FEV1		2.70	2.47	91			
FEV.5	[L]		1.80				
FEV3	[L]	3.10					
FEV6	[L]		<u></u>	<u></u>	<u> </u>		-
PEFR	[L/s]	8.60	4.88	57		-	
FEF25-75	[L/s]	4.12	3.05	74			
FEF75-85	[L/s]	-	1.51		ļ		
FEF.2-1.2	[L/s]	7.01	4.09	58	-		
FEF25%	[L/s]	7.78	5.18	67			
FEF50%	[L/s]	5.65	3.38	60	<u> </u>	ļ -	
FEF75%	[L/s]	2.91	1.61	55	 	ļ 	
FEV.5/FVC	[%]		66.16	<u> </u>	ļ	ļ 	
FEV1/FVC	[%]	84.33	90.82	108	<u> -</u>	ļ -	
FEV3/FVC	[%]	97.00				 -	
FEV6/FVC	[%]			ļ <u></u>		ļ -	ļ
FEV1/FEV6	[%]	:			9 2 2	\	<u> </u>
FET	[S]		1.58	<u></u>	<u> -</u>	<u> </u>	
ExplTime	[S]		0.20	<u></u>		ļ <u></u>	ļ
LungAge	[Y]	33.00	36.00	109		 	ļ -
FIVC	[L]		2.87		<u> </u>		
PIFR	[L/s]	2.30	<u> </u>			
FIF25%	[L/s	1 -	5.18				
FIF50%	[L/s]	3.30				
FIF75%	[L/s]	1.64				
FIV.5]	0.57				
FIV1	ĮL]	1.61				
FIV3	 [L	<u>.</u> j					
FIV.5/FIVC		6	19.75	<u> </u>		<u> </u>	<u> </u>
FIV1/FIVC		6]	55.98				<u> </u>
FIV3/FIVC		6]			1		



- Doctor's Comments :

NORMAL PFT

DR. KALRÁV (MBBS;PGCIH)

G-45981

Occupational Health Specialist PROMED OCCUPATIONAL HEALTH CENTRE

DR KALRAV THAKKAR

Note: The results may be clinically correlated.





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	TES	ST REPORT	
Reg. No : 1810101714 Name : VIKRAMSINH M RA	JPUT (18101101-88)	Reg. Date : 11-	Oct-2018 Oct-2018
	: Male		
Ref. By :			
ocation :			
Disp. At :		Piological	Reference Interval
Parameter Parame	Result	<u> </u>	10101311
	URINE ROU	TINE EXAMINATION	
PHYSICAL EXAMINATION Quantity	10 cc	enters of the second of the se	· :
Colour	Pale Yellow		
Clarity	Clear		
CHEMICAL EXAMINATION (B'pH	Y REFLECTANCE PH 7.0	OTOMETRIC METHOD) 4.6 - 8.0	
Sp. Gravity	1.005	en en en en en en en en en en en en en e	
Protein	Nil		
Glucose	NII ()		
Ketone Bodies	Nil		
Urobilinogen	Nil		**************************************
Bilirubin	Nil	i de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la companya de la companya de la companya de la companya de la companya de la companya de la co	
Nitrite	NII · Paris is	Alexandra	
Blood	Nil		
MICROSCOPIC EXAMINATION Leucocytes (Pus Cells)	ON (MANUAL BY MCI 1-2/hpf	ROSCOPY)	
Epitheliai Celis	1-2/hpf		
Erythrocytes (Red Cells)	Nil		
Amorphous Material	NII		
Casts	Nil		^
Crystals	Nil		力
Bacteria	Nil		Dr. Tushar Sonaiya

PROMED OCCUPATIONAL HEALTH CENTER

- End Of Report -----

(A Unit of P S Healthcare)

MD





TEST REPORT

Reg. No

Name

: VIKRAMSINH M RAJPUT (18101101-88) Sex : Male

Age

: 33 Years

Ref. By

Location : Disp. At

Reg. Date

: 11-Oct-2018

Collected On: 11-Oct-2018

Disp. At :		Unit	Biological Reference interval			
Parameter	Result	<u>Office</u>				
		LIPID PROFILE SPECIMEN: SERUM SAMPLE	· · · · · · · · · · · · · · · · · · ·			
Cholesterol	125.8	mg/dL	Desirable : < 200.0 Borderline High: 200-239 High : >240			
Triglyceride	85.3	mg/dL	Normal : < 150.0 Borderline : 150-199 High : 200-499 Very High : > 500.0			
	17.06	mg/dL	7 - 40			
LDL L	64.14	mg/dL	Optimal : < 100.0 Near / above optimal : 100-129 Borderline High : 130-159			
		. (18)	High : 160-189 Very High : >190.0			
HDL Cholesterol	44.6	mg/dL	Low : < 40 High : > 60			
Cholesterol /HDL Ratio	2.82		0 - 5.0			
	 1.44		0 - 3.5			
LDL / HDL RATIO	1.24.4	End Of Report	-			





TEST REPORT

: 1810101714

Reg. Date

: 11-Oct-2018

Name

: VIKRAMSINH M RAJPUT (18101101-88)

Collected On: 11-Oct-2018

Age

; 33 Years

Sex: Male

Ref. By

Location : Disp. At

<u>Parameter</u>

Result

<u>Unit</u>

Biological Reference Interval

COMPLETE BLOOD COUNT (CBC)

CDCCIRACNI	EDTA	DIAON	

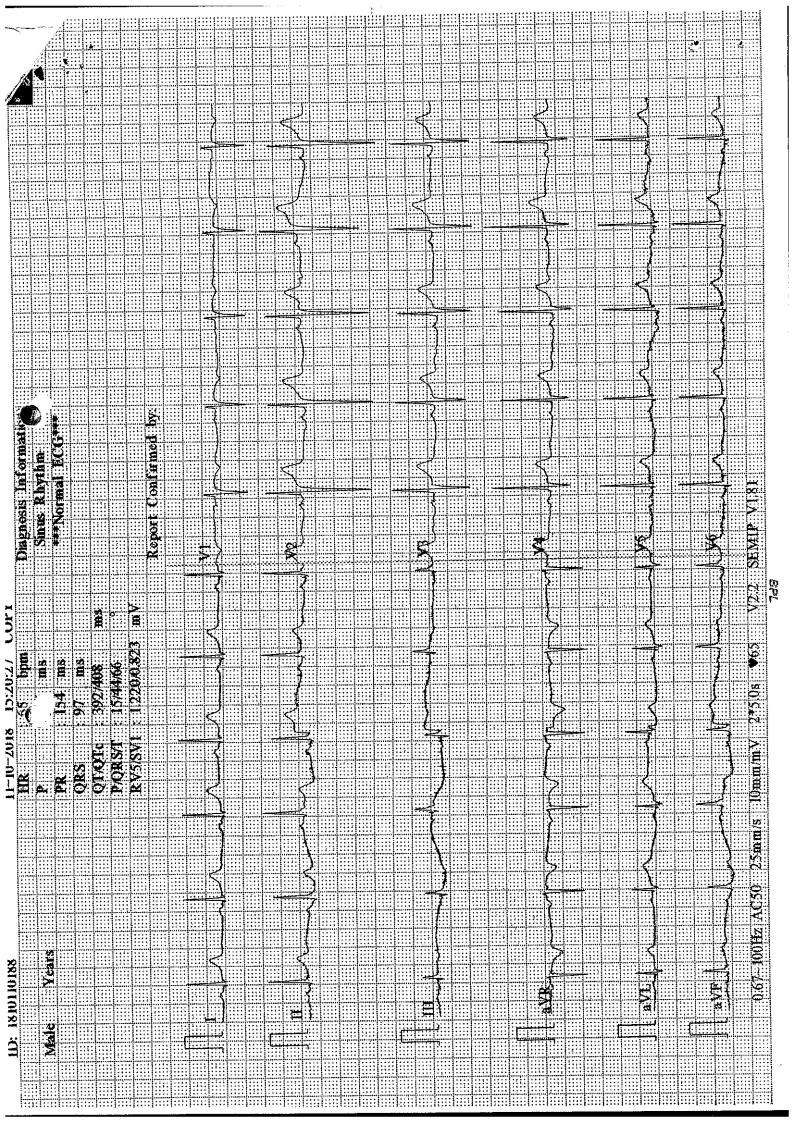
Hemoglobin (SLS method)	15.9		g/dL	12.0 - 17.0	:
RBC Count (Electrical Impedar	nce) 5.22		million/cmm	4.6 - 6.5	
Hematrocrit- HCT (Electrical Impedance)	48.7		%	35 - 54	
WBC Count (Flowcytometry)	5700		/cmm	4000 - 10500)
Platelet Count (Electrical Imped	dance)266000	ر سرهاها دها دها در	/cmm	150000 - 450	0000
MCV (Calculated)	93.3	\$ \$5 £ \$ 7	fL.	80 - 96	
MCH (Calculated)	30.5	- Ed)	Pg	27 - 33	3.4 (1)
MCHC (Calculated)	32.6	• ",	%	32 - 36	:
DIFFERENTIAL WBC COU Neutrophils (%)	NT (Manual By 1	Microscopy)	%	45 - 75	
Lymphocytes (%)	33	· · · · · · · · · · · · · · · · · · ·	%	20 - 40	:
Monocytes (%)	02	s i de , s s	%	1 - 10	ř
Eosinophils (%)	02		%	1 - 4	1
Basophils (%)	00		%	0 - 1	
•					
ERYTHROCYTE SEDIMEN ESR (After 1 hour)	TATION RATE		mm/hr	0 - 20	:
By Fully Automated 5 Part Differen	tial Cell Counter Sysn	nex XN 350			:
Blood Group ABO	'A'				
Rh (D)	Positive				•
	-	End Of Repo	ort		

Dr. Tushar Sonaiya

MD

PROMED OCCUPATIONAL HEALTH CENTER

(A Unit of P S Healthcare)





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

BY RPAD

SLPP/Mangrol- Valia Mine/ENV. Return/ 2297

18th July 2019

Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office (WZ),
E-5, Kendriya Paryavaran Bhawan,
E-5 Arera Colony, Link Road-3,
Ravishankar Nagar,
Bhopal – 462016, (MP)

<u>Sub :-</u>	Report of monitoring the implementation of environmental safeguards in data sheet, Part – I in respect of Mangrol-Valia Lignite Mines, of M/s Gujarat Industries Power Company Ltd, for the
	period from Jan-June - 2019.
Ref :-	1. Environmental Clearance accorded vide letter no J-11015/38/99-IA. II (M) dated 21st July 2003.

Dear Sir,

Please find enclosed the report, in data sheet Part – I, monitoring of the implementation of environmental safeguards in respect of Mangrol-Valia Lignite Mines, M/s Gujarat Industries Power Company Ltd, for the period from <u>Jan-June - 2019.</u>

This is for your kind information.

Thanking you,

Yours faithfully, For, Gujarat Industries Power Co. Ltd.

Prakash Chand
Addl. General Manager (Mines)
Mangrol-Valia Lignite mine
Surat Lignite Power Plant
P.O. - Nani Naroli, Taluka- Mangrol.

Dist. - Surat, 394110

Encl :-	1.	Data Sheet Part – I along with Pieozometer Reading.							
	2.	Six Monthly Environmental Monitoring & Analysis Report for the period of Jan-June - 2019							
<u>cc :-</u>	Re	Regional Officer, Surat R.O.Gujarat Pollution Control Board,							
	338, Belgium square, Opp. Linear Bus Stand, Surat.								
Regional Officer, Ankleshwar R.O. Gujarat Pollution Control Board,									
	Plot No-1501, GIDC Estate, Above ARAIL Ltd, Ankleshwar,								

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 CIN No.: L99999GJ1985PLC007868

ANNEXURE - IV

MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS MINISTRY OF ENVIRONMENT AND FOREST (MOEF) 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		Mangrol - Valia Lignite Mine				
3	Clearance letter (s) OM no. and date		Environmental Clearance accorded vide Letter no. J-11015/38/99-IA. II (M) dated 21s July 2003				
4	a) District	* **	Surat				
	b) State		Gujarat				
	c) Latitude/Longitude		Latitude- 21° 25' to 21° 31' Longitude: 73° 06' to 73° 09'				
5	Address for correspondence						
	a)Address of concerned Project Chief with pin code and Telephone/Telex/Fax No.		Sri N.K.Purohit General manager (Mines) Mangrol Lignite Opencast Mine Surat Lignite Power Plant Village: Nani Naroli, Tal: Mangrol, Dist.: Surat – 394 110 Phone: 02629-261087 Fax: 02629-261112				
	b) Address of concerned Engineer with pin code and telephone/Telex/Fax No.		Shri P.C.Goyal, Dy. General Manager (Mines) Valia Lignite Opencast Mine Surat Lignite Power Plant Village: Nani Naroli, Taluka: Mangrol, Dist.: Surat – 394 110. Phone –(M) 9978937702 Fax: 02629-261112				
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 4 X 125 MV Power Plant.				
	b) of Environmental Management Plan		 I. Greenbelt development on 25.5+2.4 Ha of peripheral mining lease area comprising of 44191+3400 no trees has been developed till date. II. Greenbelt development on 95.50 Ha of peripheral mining lease boundary around Valia Pit comprising of 153509 no trees has been developed till date. III. 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. IV. A brief endeavor of the work done is given in Annexure – I. 				



	c) of Environmental Management Plan	•	a) Environmental monitoring for SPM, NOx, SOx, CO emission are being carried out as per the condition of Environmental Clearance vide letter no. J-11015/38/99-IA. II (M) dated 21st July 2003. The detail environmental monitoring report is enclosed herewith
7	Break up of the project area a) Submergence area: Forest & Non forest b) Others		There is no forest land in and around of this project.
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	:	The most of the mining lease land was previously used for agricultural purpose. There were no dwelling units/ houses previously existing in such area.
	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.		
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.		Project cost is 325 Crores based on price reference of the year 2009. The details are provided in Annexure – II with this data sheet. Rate of return for the Mangrol- Valia Mining Project is @.9.40% for the year 2018-19
	 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 2019. 		Environmental Management cost included. 325.00 Crores Lakhs for Green belt development & maintenance, Dump plantation & maintenance, preparation & cleaning of silting ponds, catch drains, garland drains, Environmental Monitoring instruments, dust suppression measures, remote sensing
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 a aforestation, if any d) Comments on viability and sustainability of compensatory aforestation program in the light of actual field experience so far.		imaginaries, Groundwater quality monitoring. 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		Area where active mining work is in progress contains no such vegetation and there are no such cases of clear felling.
	quantitative information.		
12	Status of construction a) Date of commencement (actual or planned) b) Date of completion (Actual/Planned)	:	22.05.2010 (Actual) for Mangrol Pit and 25.10.2012 for Valia Pit of Mangrol- Valia Lignite Mine.
			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	:	
15	The monitoring report may contain the details of all the letters issued so far (vide the letters as mentioned)		 Environmental Clearance accorded vide Letter no. J-11015/38/99-IA. II (M) dated 21st July 2903.

P.C.Goyal .

Adul General Manager (Mines)

ANNEXURE - I

PLANTATION ACTIVITY FROM 2011 TO June. - 2019

S.No.	Year	Year Code	Location	Area (Ha)	(Ha) No. of trees
(A)	Periph	neral green	Peripheral green belt development		
_	Fro	GBD-MA	Both side of alternative Shah Road & Lignite Transport Road &	11.0	16410
	3		Out plant stockyard		
2	year	GBD-MB	Both side of Lignite Transport Road	9.5	15344
ω	2012	GBD-MC	Lease Boundary of Mangrol Pit	5.0	12437
4	ਰ	GBD-MD	Lease Boundary of Mangrol Pit	2.4	3400
	June	GBD-VA	Lease Boundary around Valia Pit	95.5	153509
	2018				
			TOTAL(A)	121.0+2.4	197700+3400
(B)	Dump	Dump Plantation			
_	2012	1	External dump	•	
0	Seed	Seed Spraying			
_	2012		External dump	02.0	100 Kg
2	2013		Vastan north pit dump •	05.0	200 Kg
ω	2014	1	Along periphery of Mangrol Mine	08.0	100 Kg
			Along OB dump benches of Valia Mine	05.0	05 Kg
4	2015		Along periphery of Mangrol Mine	-	
			Along OB dump benches of Valia Mine		
5	2018	1			
ဂ	2019	1			

P.C.Goyal
P.C.Goyal
Manager (Mines)

Sub: Expenditure made for the Environmental Management Plan with item wise & year wise break-up. (All figures are in Lac Rs.)

1262.07	1221.8	1101.06	1004.35	884.21		Total
40.27	75.37	96.71	120.14	231.04		Total
,	0.65		0.67	1.98	Ground water level & quality monitoring in the core as well as buffer zone	Ground Water quality monitoring
1	3.26			1.90	Three year stage remote sensing to monitor the changes in the land use pattern and related impacts due to mining.	Remote sensing Imageries of the region.
37.4	56.6	67,5	81.0	137.7	Round the clock water spraying and road grading prevents formation & emission of Dust	Dust suppression measures in mines
į	2.47	2.81	4.22	3.46	(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.	ental paramet
0 27					Monitoring of Environmental parameters viz Air quality	Monitoring
2.46	12.39	26.4	6.90	32.65	non , cleaning of Silting pond for settlement of suspended solids from the pond, catch discharge mine water, being pumped out during the sarland drains etc. I monsoon season.	Preparation , cleaning of settling pond, catch drains. Garland drains etc
-					Plantation through seeding at External Dump	maintenance
1	-	-	0.96	3.7	Plantation on black cotton at External Dump	Dump plantation &
			20.34	31.7	Maintenance & protection of Greenbelt (Along lease boundary of Valia Mine & Lignite Transport Road)	Maintenance & protection of Greenbelt
-			6.05	17.95	Green Belt development along lease boundary of Mangrol – Valia Mine using Forest Species & Seeding	Development of Peripheral Green Belt.
					Particulars of the activities	ltem ↓
2019(Jan to June)	2018	2017	2016	2015		Year → →

P.C.Goyal
P.C.Goyal
Manager (Mines)