



GUJARAT INDUSTRIES POWER COMPANY LIMITED

(SURAT LIGNITE POWER PLANT)

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

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Courier

SLPP/Vastan Mines/Environment Return/2016/ 3952

28.07.2016

To,

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

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. 2016 to June. 2016.
Ref :-	1. Environmental Clearance accorded vide letter no J-11015/40/95-IA. II (M) dated 19 th June 1996. 2. Your office letter no 4-5/96(ENV) 2534 dated 7 th September 1997.

Dear Sir,


Please find enclosed herewith

- (1) EC compliance report for the period Jan. 2016 to June 2016
- (2) Data sheet Part - I, of six monthly monitoring of the implementation of env. Safeguard and
- (3) Env. Monitoring and analysis report for the period Jan 2016 to June 2016 with respect to Vastan Lignite Opencast Mines Vastan Village, Mangrol Taluka, Surat District, Gujarat State.

This is for your kind information.

Thanking you,


For Gujarat Industries Power Co. Ltd.


N.K. Chauhan
DGM (mines)

Encl :-
1. EC compliance report for the period Jan. 2016 to June 2016 as ANNEXURE - A
2. Monitoring of the implementation of env. Safeguard (Data Sheet Part - I), as ANNEXURE - B
3. Environmental Monitoring and analysis Report for period Jan. 2016 to June 2016 ANNEXURE - C
CC :-
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

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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
 Period of compliance - from Jan 16 to June 16

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. 16 to June 16.

Sr. no.	Conditions	Compliance
01	No change in the calendar plan including excavation, quantum of lignite and wastes/OB dumps should be made.	Complied
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.	<p>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.</p> <p>The external OB dumps have been developed in the Vastan Lease area. The dumps are of approx 50 meter height.</p> <p>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.</p> <p>Garland drains and settling tanks are made to arrest silt and sediment flows from soil and before & during 2016 monsoon garland drains & settling tanks were maintained for the same.</p>
03.	The level of SPM should not exceed 500 ug/cum at any station within the leasehold. Emission of SO ₂ , Nox and CO should be maintained below the levels prescribed by the competent authority.	<p>The level of SPM, SO₂, NO₂, CO emission is being monitored quarterly. Data related with each of the above parameters are within limits prescribed</p> <p>The last quarterly report (i.e. April 16 to June 16) has already submitted vide letters no - SLPP/Vastan Mining / quarterly Env report/3794.date 21.07.2016 and current half yearly report (i.e. Jan.16 to June 16) is enclosed herewith as ANNEXURE - C</p>
04.	The quality of effluent finally discharged should conform to the standards prescribed under GSR422 (E) dated 19.05.1993 and 31.12,1993.	<p>There is no solid or liquid waste being disposed from the mine.</p> <p>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.</p>



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 Project Name - Vastan Lignite Mines, EC.No. - J-11015/40/95 – IA.II (M) dated 19-06-1996
 Period of compliance - from Jan 16 to June .16

Sr. no.	Conditions	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 noisy atmosphere..	<p>Bimonthly & Quarterly monitoring of air, water dust fall, meteorological data of the region and noise level in core and buffer zone are being carried out by M/s. ENPRO Enviro Tech and Engineers Pvt Ltd, Surat.</p> <p>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 submitted vide letters no SLPP/Vastan Mining / quarterly Env report/3794 dated 21.07.2016.</p> <p>Noise level at any place in core or buffer zone is not exceeding the 85 dB. However earplugs are provided to the Dozer operators.</p>
06.	The anti-pollution measures with regards to environmental quality prescribed in the EMP should be implemented on schedule in a time bound program.	<p>The anti pollution measures like</p> <ol style="list-style-type: none"> 1. Water sprinkling on the haul roads and lignite stock, 2. Green Belt Development, 3. Well planned pit drainage system, 4. Making of garland drains around dump, 5. Provision of inner slope on the dumps for proper drainage, 6. Settling tanks for discharging monsoon water, 7. Effective maintenance of the HEMM for controlling exhaust emission level, and 8. Provision of ear plugs/ear muffs in the mine <p>All measures are implemented towards pollution control.</p>
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.	<p>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 up to June, 2016.</p> <p>During last monsoon 2015, total 26600 Nos of plantation have been done (i.e. covering 15.07 Ha areas).</p> <p>Reclamation program is also implemented phase wise and during last monsoon 2015, total 18600 Nos of plantation have been done in reclaimed area (i.e. covering 12.4 Ha areas)</p>
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.	<p>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 / EC-compliance/2016/548, dated -25.01.16.</p>
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.	<p>An Environmental Management Cell has been established in the company. GM (Mines) is the head of the cell.</p>

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Sr. no.	Conditions	Compliance
10	Adequate fund provision (capital and recurring expenditure) should be provided for implementation of all safeguards including socio-economic 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 234.18 Lac expanded for the year 2015 & expanded for the year 2016 (Till 30 th June 2016) Rs.92.03 Lac detail enclosed in data Monitoring Report, Part - I of Data Sheet ANNEXURE - B Moreover the company is 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-à-vis project implementation report is being submitted to the Ministry of Environment, Forest and Climate Change, Regional Office (WZ) at Bhopal during once in six month on regular basis. The last six monthly reports (from July 15 to Dec. 15) was already submitted vide letter no SLPP/Vastan Mines/ Env. Return /548dated-25.01.16 and currant half yearly report (i.e. Jan 2016 to June.2016) is enclosed herewith as ANNEXURE - A

10/12/2016 *AK*