



GUJARAT INDUSTRIES POWER COMPANY LIMITED

(SURAT LIGNITE POWER PLANT)

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

Phone : (02629) 261087 Fax : (02629) 261112 E-mail : cgmminesoffice@gipcl.com

Online submission

SLPP/Vastan Mines/Environment Return/2025/3242

25.11.2025

To,
The Regional Officer,
IRO – Gandhinagar,
Ministry of Environment, Forest & Climate Change (MOEF&CC),
A-407 & A -409, Aranya Bhavan,
CH-3 Circle, Sector No 10A,
Gandhinagar-382010

Sub: -	MOEF's EC compliance & other compliance reports with respect to Vastan Limestone Mine, GIPCL, Vastan Village, Taluka- Mangrol, District- Surat, Gujarat for the period from <u>April'2025 to September'2025</u>
Ref: -	Environmental Clearance accorded vide letter no F No. J – 11015/112/ 2011-IA. II (M) date 22nd July'2015

Dear Sir,

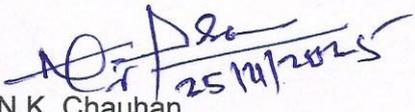
Please find enclosed herewith following reports with respect to GIPCL's Vastan Limestone Mine, Taluka -Mangrol, District - Surat, State - Gujarat for the period April-25 to September-2025.

1. EC compliance report as **ANNEXURE – A** with enclosure **ANNEXURE – A(I) & ANNEXURE - A(II)**.
2. Monitoring of the implementation of Env. Safeguard (Data Sheet Part – I) as **ANNEXURE – B** with enclosure **ANNEXURE - I & ANNEXURE - II** and
3. Environmental Monitoring and analysis Report for period **ANNEXURE – C&C(i)**

This is for your kind information.

Thanking you,

For Gujarat Industries Power Co. Ltd.


N.K. Chauhan
AGM (Mines)

Encl as above: -

cc: -

Regional Officer, Surat
Gujarat Pollution Control Board, (GPCB)
Plot No. 11-12/2,3, Pandesara,
GIDC, Surat-394221.

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



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Fax : 2231207 **E-mail :** genbaroda@gipcl.com
CIN No. : L99999GJ1985PLC007868



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SLPP/Mining/Environment Return/2024-25/ 3242

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To,
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Gujarat Pollution Control Board, (GPCB)
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GIDC, Surat-394221.

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ANNEXURE – A

PROJECT NAME : VASTAN LIMESTONE MINE
PROPONENT NAME : M/S GUJARAT INDUSTRIES POWER COMPANY LIMITED
EC NUMBER AND DATE OF ISSUE: LETTER NO. J-11015/112/2011-IA. II(M) Dated 22 JULY'2015
PERIOD OF COMPLAINE : 1stApril'2025 TO 30th September'2025

SN	Condition	Compliance
1	No mining activities will be allowed in the forest area, if any, for which the forest clearance is not available	The entire lease area falls under non forest land hence it is not applicable
2	The project proponent shall obtain consent to operate from the state pollution control board, Gujarat and effectively implement all the conditions stipulated therein.	Consent from the Gujarat Pollution Control Board vide their letter No GPCB/CCA-SRT-346(3)/ID_20748/331172 dated 26 th October'2016 and effectively implemented all the conditions stipulated therein. The New consent letter No GPCB/CCA-SRT-346(3)/ID_20478/OUTWAR No-749766 dated 3 rd Aug'2023 and effectively implements all the conditions stipulated therein.
3	The proponent shall appoint an occupational health specialist for regular and periodical medical examination of the workers engaged in the project and maintain records accordingly, also occupational health check-ups for the workers undertaken once in six month and necessary remedial / preventive measures taken accordingly. The recommendation of the National institute for ensuring occupational environment for mine workers shall be implemented: the preventive measures for burns, malaria and provision of anti – snake venom including all other paramedical safe guards may be ensured before initiating the mining activities.	Our Medical officer conducting initial and periodical medical examination of workman and staff. Initial and periodical medical examination of workers are being conducted at Occupational Health Centre and record of the same is maintained. The preventive measures for burns, malaria and provision of anti – snake venom including all other paramedical safe guards are kept at the centre.
4	Implementation of Action plan on the issues raised during the public Hearing shall be ensured. The PP shall complete the entire task as per the Action Plan submitted with budgetary provisions during the public Hearing.	The Action plan on the issue raised during public meeting is under progressive implementation.
5	The Mining Operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the ministry of Environment, Forest and Climate change and Central Ground water Authority shall be obtained for which a detailed hydro- geological study shall be carried out, the report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry.	Mining Operations is restricted to above ground water table.

6	The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicle with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered truck only and the vehicle carrying the mineral shall not be overloaded. Project should obtain PUC certificate for the entire vehicle from authorized pollution testing centres.	Overloading of the transportation trucks is controlled through electronic weighbridge system. Continuous water sprinkling is carried out all along the transportation road. Covering of truck is in practice. All vehicles engaged in transportation of Lime stone is checked and issued PUC by authorized pollution testing agencies.
7	There should be planning, developing and implementation facility of rainwater harvesting measures on long term basis in consultation with regional Directorate, Central Ground water board and implementation of conservation measures to augment ground water resource in the area in consultation with central ground water board.	Approval letter for construction of Rain Water Harvesting has been received from Central Ground Water Board, Ahmadabad and is attached herewith as ANNEXURE - A(I) . Accordingly, two Rain water harvesting wells have been constructed and details with photographs has been submitted to Ministry of Environment, Forest and Climate Change vide letter no SLPP/Vastan Mines/Environment Return/2016/4009, dated – 01.08.2016. Further, One New rain water harvesting well have been constructed in Feb 2023.
8	Use of effective sprinkler system to suppress fugitive dust on haul road and other transport road shall be ensured. Washing of all transport vehicle should be done inside the mining lease	Continuous pressurized water sprinkling by engagement of water tanker is in practise. Fugitive dust emission is under control. Washing of all transport vehicles are done inside the mining lease area.
9	Implementation of Environment Management Policy of the company w.r.t judicious use of Mineral resources for growth & development synchronizing mining & environment with prosperity.	Environmental Management Policy of the company is already implemented at mine area for judicious use of mineral resources
10	The project proponent shall also take all precautionary measures during mining operation for conservation and protection of endangering flora/ fauna, if any, spotted in the study area.	All effort is being taken for conservation and protection of flora/ fauna. However there is no endangering species is recorded in the EMP.
11	The illumination and sound at night at project site disturb the village in respect of both human and animal population. Consequent sleeping disorder and stress may affect the health in the village located close to mining operations. Habitation has a right for darkness and minimal noise level at night. Project proponent must ensure that the biological clock of the villagers and keeping the noise level well within the prescribed limit for day light / night hours	The Mine site is away from the surrounding villages and there is no adjoining habitation area. However all precautionary measures are being taken for keeping noise level well within the prescribed limit. The Six-monthly Environment monitoring and analysis report from April 2025 to September-2025 is attached herewith as ANNEXURE – C

12	Main haulage road in the mine should be provided with permanent water sprinkling and other road should be regularly wetted with water tankers fitted with sprinklers	Entire mine road is covered with water sprinkling through water tanker. Because mine working is carried out in moving front and haulage road is frequently changing hence the water sprinkling system through engagement of water tanker is adopted.
13	Transportation of Mineral by road passing through the village shall not be allowed. A bypass road should be constructed (say leaving a gap of at least 200 Mtr) for the purpose of transportation of minerals so that the impact of sound, dust and accident could be mitigated. The project proponent shall bear the cost towards the widening and strengthening of existing public road network in case the same is proposed to be used for the project. No road movement should be allowed on existing village road network without appropriately increasing carrying capacity of such road.	Transportation of Lime stone from mine area to plant is being carried out through road owned by the company and no village road/ public road is under use.
14	Likewise alteration or re-routing of the foot path , pagdandis , cart road and village infrastructure / public utilities or road (for purpose of land acquisition for mining) shall be avoided to the extent possible and in case such acquisitions is inevitable , alternative arrangement shall be made first and then only the area acquired. In these types of cases, inspection report by site visit by expert may be insisted upon which should be done through reputed institutions.	Because no public road is under use for lime stone transportation hence this is not applicable.
15	CSR activities by companies including the Mining establishment has become mandatory up to 2% of their financial Turn- over, socio Economic Development of the neighbourhood habits could be planned and executed by project proponent more systematically based on the need based door to door survey by established social institutes/ workers. The report shall be submitted to the ministry of Environment & forest and its Regional office located at Bhopal on six monthly basis.	GIPCL has been consistently spending more than 2% of its net profit towards various development activities under its CSR intervention for the benefit of community residing in surrounding villages towards health, education, income generation, village infrastructure, environment management etc. A brief report along with photograph of the CSR activities for the period from April'25 to September'25 of the GIPCL is attached herewith as ANNEXURE-A(II)
16	Provision shall be made for the housing of construction labourer within the site with all necessary infrastructure and facilities such as fuel for cooking , mobile toilets , mobile STP , safe drinking water , medical health care , crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project.	The maximum work force is local and they are commuting from their natives daily. Hence no such requirement is needed.

17	A final mine closure plan along with detail of corpus fund shall be submitted to the ministry of Environment, Forest & climate change 5 year in advance of final mine closure for approval.	Final mine closure plan with corpus fund has been submitted to Ministry of Environment, Forest and Climate Change. The 80 Ha lease area of Limestone mine falls under the 1536 Ha lease area of Vastan Lignite mine and Vastan Lignite mine closure plan has been approved from Ministry of Coal and same is under implementation.
GENERAL CONDITION		
18	No change in mining technology and scope of working should be made without prior approval of the ministry of Environment & Forest & climate change	There is no change in mining technology and scope of working for Vastan Lime Stone Mine.
19	No change in the calendar plan including excavation quantum of Lime stone and waste should be made	There is no change in calendar plan including excavation quantum of Lime Stone and waste.
20	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and ground water for the project	No surface water or ground water is under use for mining activity. Only Stored water of monsoon season in the mine pit is being used for water sprinkling.
21	Regular monitoring of ground water table to be carried out at the upstream and depth of water available in the dug well is to be measured. Monitoring to be done by establishing a network of existing wells and construction new piezometer.	A dug well is constructed in the mine area and since, Nov 2015 a piezometer is installed for regular monitoring of ground water table. Piezometer details report attached herewith as Annexure-C(i).
22	Monitoring of ambient Air Quality to be carried out based on 2009 notification , as amended from time to time by central pollution control board , water sprinkling should be increased at place loading and unloading points & transfer point to reduce fugitive emission	Complied Ambient Air Quality monitoring details is enclosed in Environment monitoring and analysis report from April- 2025 to September-2025 is attached herewith as ANNEXURE – C.
23	The upliftment of scheduled caste / schedule tribe population , specific program have been taken in to consideration specially with respect to education , health care , livelihood generation , infrastructure development & promotion of sport & culture for ST /SC population and that these will be intensified in future	The brief report on CSR activities of GIPCL for the period from April- 2025 to September-2025 attached herewith as ANNEXURE - A(II) also includes the details of the efforts being made for upliftment of scheduled caste / schedule tribe population. CSR activities of the company include health care, education, Livelihood generation, Village infrastructure development, Resource centre for training etc. Company has incurred Rs 147.70 Lakhs period from April' 25 to September' 25. The community based education, health care, Livelihood generation, infrastructure development, promotion of sport and culture work undertaken in program area fall under tribal pocket.

24	<p>The top soil, if any shall temporarily be stored at earmarked site (s) only and it should not be kept unutilized for long. The topsoil shall be used for land reclamation and plantation. The overburden (OB) generated during the mining operation shall be stacked at earmarked dump site (s) only and it should not be kept active for a long period of time. The maximum height of the dumps shall not exceed 8 mtr and width 20 mtr and overall slope of the dumps shall be maintained to 45Degree. The OB dump should be scientifically vegetated with suitable native species to prevent erosion and surface runoff. In critical areas, use of geo textile shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled and afforested , monitoring and management of rehabilitated area should continue until the vegetation become self sustaining , compliance status shall be submitted to the ministry of Environment, Forest and climate change and its regional office located at BHOPAL on six monthly basis.</p>	<p>Top soil is being stored or utilised for land reclamation and plantation.</p> <p>Entire overburden is being dump at inside the mined out area as a backfilling.</p>
25	<p>Catch drain and siltation pond of appropriate size shall be constructed around the mine working mineral and OB dump to prevent run off of water and inflow of sediment directly in to the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly de-silted particularly after monsoon and maintained properly. The drains, setting tanks and check damp of appropriate size, gradient and length shall be constructed both around the mine pit and overburden dumps to prevent run off of water and flow of sediment directly in to the river and other water bodies and sump capacity should be designed keeping 50 % safety margin over and above peak sudden rain fall (based on 50 years data) and maximum discharge in the area adjoining the mine site, sump capacity should also provide adequate retention period to allow proper settling of silt material.</p>	<p>Before monsoon catch drain and siltation pond of appropriate size is constructed around the mine working mineral to prevent run off of water and inflow of sediment directly in to the natural nallah and other water bodies. The rain water so collected is being utilized for watering the mine area, roads, green belt development etc.</p> <p>The drains area regularly de-silted particularly after monsoon and maintained properly</p> <p>The drains, are constructed both around the working pit and it's overburden backfilled dump area, to prevent run off of water and flow of sediment directly in to the natural nallah and other water bodies;</p> <p>Mine Sump capacity is so designed that to keep 50 % safety margin over and above peak sudden rain fall and maximum discharge in the area adjoining the mine site.</p> <p>Mine Sump capacity is so designed that to provide adequate retention period to allow proper settling of silt material.</p>

26	Plantation shall be raised in a 7.5 m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, around water body, along the road etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per Ha. Green belt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.	The 80 Ha lease area of Limestone mine falls under the 1536 Ha lease area of Vastan Lignite mine and plantation has been carried out in the periphery of Vastan Lignite Mine leasehold area. Further, Green belt will be developed in a phased manner.
27	Dimension of the retaining wall at the toe of over burden dumps and OB benches within the mine to check run off and siltation shall be based on the rain fall data.	The entire waste is being accommodated inside the voids of mined out area of mine pit. Hence no such requirement of retaining wall is there.
28	Effective safe guard measured such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high level of PM10 and PM2.5 such as haul road , loading and unloading point and transfer points , it shall be ensured that the Ambient Air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regards	Water sprinkling is carried out by Pressurized Water Tankers at regular interval covering all area of mine prone to air pollution. This Ambient Air quality is being sampled at specified areas and analyzed. Result is reported well within the prescribed limits. Environment monitoring and analysis report from April- 2025 to September- 2025 is attached herewith as ANNEXURE – C .
29	Regular monitoring of the flow rate of the springs and perennial nallah flowing in and around the mine lease area shall be carried out and records maintained. Regular monitoring of water quality upstream and downstream of water bodies shall be carried out four times in a year – pre-monsoon, (April- May), monsoon (August), post monsoon (November) and winter (January) and the data thus collected may be sent regularly to ministry of Environment, Forest and climate change and its Regional office Bhopal, central ground water authority and regional director, central ground water board.	Monitoring of environmental parameter of the core and buffer zone of the mine area is being carried out bi-monthly and report is being prepared. This monitoring include the water quality of ponds, nallah and bore well of surrounding villages. The half yearly monitoring of water quality data is incorporated in the Environment monitoring and analysis report from April-2025 to September-2025 is attached herewith as ANNEXURE – C . There is no perennial Nallah is flowing in and around mine lease area, only seasonal Nallah nearby mine lease area flowing during monsoon only.
30	The critical parameter such as PM 10 (size less than 10 micro meter) PM 2.5 (size less than 2.5 micro meter) No x in the ambient air within the impact zone , peak particle velocity at 300m distance or within the nearest habitation	Monitoring of air quality of the ambient air of the core and buffer zone of the mine area is being carried out bi-monthly and report is being prepared.

	<p>whichever is closer shall be monitored periodically. Further quality of the discharge water shall also be monitored (TDS, DO, PH and Total suspension solids (TSS)). The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the company in public domain. The circular no J – 20012/1/2006 – IA .II (M) dated 27.05.2009 issued by ministry of environment , Forest & Climate change , which is available on the website of the ministry shall also be referred in this regards for its compliance.</p>	<p>All the critical parameter viz PM10, PM2.5, NOx and Sox in the ambient air within core and buffer zone is being monitored.</p> <p>The half yearly Environment monitoring and analysis report from April- 2025 to September-2025 is attached herewith as ANNEXURE – C</p> <p>There is no habitation within 300 Mtr distance of the mine. There is no discharge of water from the mine. Only rain water, which collected in monsoon, season, is pumped out in monsoon period only place where resuming the mining activity. The above said water also is being used for water sprinkling and plantation purpose.</p>
31	<p>Four ambient air monitoring air quality monitoring stations should be established in the core zone as well as in the buffer zone for PM10, PM2.5, SO2, NOx, monitoring location of the stations should be decided based on the meteorological data topographical features and environmentally and economically sensitive targets. And frequency of monitoring should be undertaken in consultation with the state pollution control boards. Data on ambient air quality should be regularly submitted to the ministry including its regional office located at the Bhopal and the state pollution control boards / central pollution control boards once in six month</p>	<p>Minimum five stations are established in core and buffer zone for ambient air quality monitoring and PM10, PM2.5, SO2, Nox, CO emission is being monitored.</p> <p>Monitoring stations are located as per meteorological data and topographical features and environmentally and economically sensitive areas of core and buffer zone.</p> <p>The level of PM10, PM2.5, SO2, NO2 emission is being monitored Bi-monthly. Data related with each of the above parameters are within limits prescribed.</p> <p>The half yearly monitoring of Environment monitoring and analysis report from April-2025 to September- 2025 is attached herewith as ANNEXURE – C</p>
32	<p>Fugitive dust emission from all the sources should be controlled regularly; water spraying arrangement on the haul road, loading and unloading and at transfer points should be provided and properly maintained.</p>	<p>Dust emission from all the sources are being controlled by water sprinkling at regular interval.</p>
33	<p>Measures should be taken for control of noise level below 85dBA in the work environment. Workers engaged in operations of HEMM etc , should be provided with ear plug / muff</p>	<p>Measure is taken for control of noise level below 85dBA. This noise level are being sampled every two months at specified area and analysed. Results are reported well within the prescribed limits. However workers engaged in operations of HEMM (i.e Dozer) are issued ear plug.</p>

		The half yearly monitoring of Noise monitoring data is incorporated in the Environment monitoring and analysis report from April-2025 to September-2025 is attached herewith as ANNEXURE – C
34	Industrial waste water (work shop and waste water from the mine) should be properly collected, treated so as to conform to the standard prescribed under GSR 422 (E) dated 19 th May 1993 and 31 st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents	Waste water from work shop is collected and treated.
35	Personal working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspect.	Before employment of workmen in mine, basic training on safety and health aspect is being carried out. Person working in the mine area is provided with dust mask.
36	Occupational health surveillance program of the workers should be undertaken periodically to observe any contraction due to exposure to dust and take corrective measures, if needed.	Occupation health surveillance program is already under implementation in the mine. Basic and periodical medical examination of the workers is being carried out at company's Occupation Health Centre by Industrial and Occupational Health Specialist employed by the company.
37	A separate environment management cell with suitable qualified personal should be set up under the control of a senior Executive , who will report directly to the head of the organization	Separate environment management cell is set up under the control of GM (Mines), who is directly reporting to Managing Director of the Company.
38	The fund earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the ministry and its Regional office located at Bhopal	<p>Fund earmarked for environmental protection is kept in separate ledger in annual budget of the company. Budget orders are generated for all planned expenditure and expenses are booked against the order in the ledger.</p> <p>The year wise expenditure of environment protection is enclosed in data Monitoring Report, Part – I of Data Sheet ANNEXURE – B of Annexure – II</p>
39	The project authorities should inform to the Regional Office located at Bhopal regarding date of financial closure and final approval of the project by the concerned authorized and the date of start of the land development work.	<p>Vastan Lime Stone Mine is a part of the Vastan Lignite Mine project.</p> <p>Though the Vastan Lignite mining project is 24years old and financial closure is already completed years back.</p>

40	The regional office of this ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full co – operation to the officer(s) of the Regional office by furnishing the requisite data / information / monitoring report	Requisite data, report, information, monitoring report will be submitted to the regional office.
41	The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environment safe guards to the ministry of Environment, Forest and climate change, its regional office, Bhopal, central pollution control board and state pollution control board.	<p>This report is about the six monthly report of the status of implementation of the stipulated environmental safe guards of the ministry. This report is being submitted to regional office, Bhopal, central pollution control board and state pollution control board.</p> <p>For implementation of all environmental safeguards and for environmental measures detail enclosed in data Monitoring Report, Part – I of Data Sheet ANNEXURE – B</p>




 AGM (Mines)