



**GUJARAT MINERAL DEVELOPMENT CORPORATION LTD.**

(A Govt. of Gujarat Enterprise)

CIN:L14100GJ1963SGC001206

**BAUXITE PROJECT, BHATIA**

AT & PO – MEVASA, TAL.- KALYANPUR , DISTT.-DEVBHOO MI DWARKA (GUJ.)-361315

Website : [www.gmdcltd.com](http://www.gmdcltd.com) ✉ E-mail : [gm.mines.bhatia@gmdcltd.com](mailto:gm.mines.bhatia@gmdcltd.com)

GMDC / BMM/ 25 /2025-26

Date: 29-05-2025

To,

Operationalization of Integrated Regional Office (IRO)

Room No 407, Aranya Bhawan,

Near CH-3 Circle, Sector 10A

Gandhinagar, Gujarat - 382010

Sub: Submission of Environmental Compliance Status (October-2024 to March-2025) for Mevasa Bauxite Mines, GMDC Limited

Ref:(01) MOEF EC. No. J-11015/968/2007-IA.II (M) Dt. 29/10/2010

(02) Marine Clearance under Wild Life Protection Act-1972 : WLP/32B/7826-31/2012-13, dated 16-03-2013

(03) CCA No: AWH 126841, issued from the Office of GPCB-Gandhinagar (Valid up to 03/03/2028)

Respected Sir,

We are here with submitting the Environmental Compliance status of Mevasa Bauxite Mines belonging to GMDC Ltd for the period of October-2024 to March-2025.

This is for your kind information and perusal Please.

Thanks & Regards,

For Gujarat Mineral Development Corporation Limited

I/c General Manager (P)

Bauxite Project-Bhatia

Encl: As stated Above


Cc to:

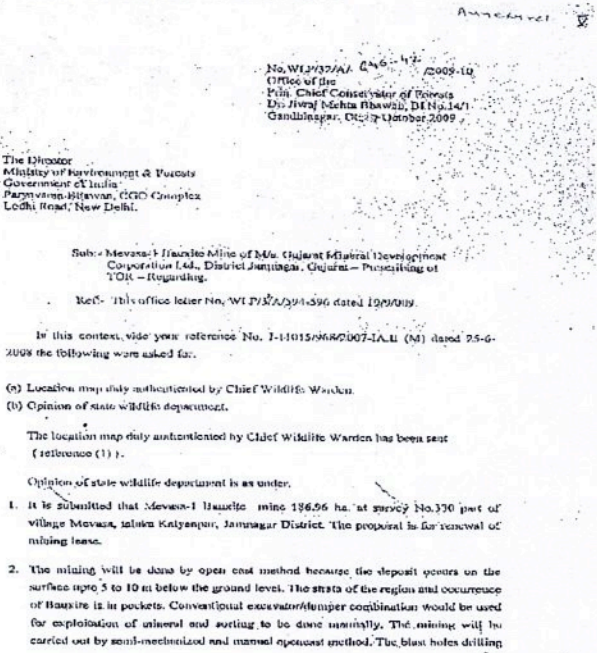
1. The General Manager (Env), GMDC Limited, Head Office – Ahmedabad

**DESCRIPTIVE REPORT ON STATUS OF COMPLIANCE TO CONDITIONS OF ENVIRONMENT CLEARANCE AND ENVIRONMENTAL MANAGEMENT.**

**COMPLIANCE STATUS (FOR THE PERIOD OF OCTOBER-2024 TO MARCH-2025) OF ENVIRONMENTAL CLEARANCE ISSUED BY MOEF&CC, NEW DELHI, VIDE LETTER REFERENCE NO. J-11015/968/2007-IA.II (M) DT. 29/10/2010)**

**(Details of Project: Mevasa Bauxite Mine, Bhatia Project of M/s Gujarat Mineral Development Corporation Ltd. at Village – Mevasa, Ta: Kalyanpur, Dist- Devbhoomi Dwarka)**

Sr. No.	Specific Conditions	Compliance								
I	The project proponent shall obtain Consent to establish and Consent to operate from Gujarat State Pollution Control Board and effectively implement all the condition stipulated therein	<p><b>Complied.</b></p> <p>Consent to Establish (CTE) from Gujarat State Pollution Control Board (GPCB) has been obtained vide CTE No. 54894 Dated 10/07/2013.</p> <p>Latest CCA No: AWH-126841 has been obtained from GPCB on 08/06/2023, which is valid up to 03/03/2028. (Copy attached.)</p> <div data-bbox="858 857 1533 1805" style="border: 1px solid black; padding: 5px;">  <p align="center"><b>GUJARAT POLLUTION CONTROL BOARD</b> PARYAVARAN BHAVAN, SECTOR 10-A, GANDHINAGAR - 382010, (T) 079-23232152</p> <hr/> <p align="center">By R.P.A.D <b>CONSOLIDATED CONSENT AND AUTHORIZATION (CC &amp; A)</b> CCA NO: AWH-126841 Appl Type: CCA-Renewal</p> <p align="center">NO: GPCB/CCA-IMN-957/ID-31738/24054 08/06/2023</p> <p>In exercise of the power conferred under Section-25 of the Water (Prevention and Control of Pollution) Act - 1974, under Section - 21 of the Air (Prevention and Control of Pollution) Act - 1981 and Authorization under rule 6(2) of the Hazardous &amp; Other Wastes (Management and Transboundary Movement) Rules-2016, framed under the Environment (Protection) Act-1986.</p> <p>And whereas Board has received consolidated application dated 08/04/2023 and inward No.275848 for the Consolidated Consent and Authorization (CC &amp; A) of this Board under the provisions/rules of the aforesaid Acts, Consolidated Consent &amp; Authorization is hereby granted as under.</p> <p><b>CONSOLIDATED CONSENT AND AUTHORIZATION:</b> (Under the provisions / rules of the aforesaid Environmental Acts)</p> <p>To, M/s. Gujarat Mineral Development Corporation Ltd., S. NO. 437 &amp; 396, Mevasa Bauxite Mines, Mevasa-361315, Tal: Kalyanpur, Dist: Devbhoomi Dwarka</p> <div style="border: 1px solid black; padding: 2px; width: fit-content; float: right;"> <p align="center">G M D C. Ltd. B x B - BHATIA Inward No.: 292 Date :- 21/06/2023</p> </div> <ol style="list-style-type: none"> <li>Consent Order No.: AWH-126841 date of issue 08/06/2023.</li> <li>The consent under Water Act-1974, Air Act-1981 &amp; Authorization under Environment (Protection) Act, 1986 shall be valid up to 03/03/2028 to operate industrial plant for manufacturing of the following products.</li> </ol> <table border="1" data-bbox="1007 1458 1385 1496"> <thead> <tr> <th>Sr.No</th> <th>List of Products</th> <th>Quantity</th> <th>Unit Per Month</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Bauxite Mining</td> <td>10416.67</td> <td>Metric Tonne</td> </tr> </tbody> </table> <p><b>SPECIFIC CONDITION:</b></p> <ol style="list-style-type: none"> <li>You shall have to comply with all the conditions mentioned in the Environment clearance order no. J-11015/968/2007-IA. (IIM) dated. 29/10/2010 issued by the Government of India Ministry of Environment &amp; Forests, New Delhi.</li> <li>Any change in lease area (Individual/cluster), survey number, entailing capacity addition with change in mining technology, modernization and scope of working shall again require prior Environmental Clearance as per the provisions of EIA Notification, 2006 as amended from time to time. For such instance prior CTE &amp; CCA amendments shall be obtained.</li> <li>No Mining shall be undertaken outside the area specified in this Environmental Clearance.</li> </ol> <p align="center">M/s. Gujarat Mineral Development Corporation Ltd <span style="float: right;">Page 1 of 7</span></p> <p align="center">Clean Gujarat Green Gujarat Website : <a href="https://gpcb.gujarat.gov.in">https://gpcb.gujarat.gov.in</a></p> </div>	Sr.No	List of Products	Quantity	Unit Per Month	1	Bauxite Mining	10416.67	Metric Tonne
Sr.No	List of Products	Quantity	Unit Per Month							
1	Bauxite Mining	10416.67	Metric Tonne							
II	Environmental Clearance is subject to final order of Honourable Supreme Court of India in matter of Goa foundation Vs. union of India writ petition (civil) no. 460 in 2004, as may be	<p><b>Complied.</b></p> <p>Distance of project site is 3.44 km from Marine Sanctuary, Jamnagar District; which is more than 1.0 Km as per minimum distance mentioned in the</p>								

	applicable to this project.	order of Honourable Supreme Court of India in matter of Goa foundation Vs. union of India writ petition (civil) no. 460 in 2004. Hence not applicable.
III	Environmental clearance is subject to obtaining clearance under the wildlife (protection) Act, 1972 from the competent authority, as may be applicable to this project.	<p><b>Complied.</b></p> <p>Clearance under wildlife (Protection) Act 1972 has been obtained from Chief Wildlife Warden Gujarat State vide reference letter No: WLP / 32 / B /7826-31/2012-13, dated 16-03-2013</p>
IV	The project proponent shall effectively implement the conditions stipulated by the Chief Wildlife Warden and Principal Chief Conservator of Forests, Gandhinagar vide their letter No. WLP/32/A/640-42/2009-10 dated 27.10.2009.	<p><b>Complied</b></p> <p>GMDC is effectively following and implementing the conditions stipulated by the Chief Wildlife Warden and Principal Chief Conservator of Forests, Gandhinagar vide their letter No. WLP/32/A/640-42/2009-10 dated 27.10.2009</p> 
V	Requisite prior clearance from the Standing Committee of the National Board for Wildlife shall be obtained due to location of the Marine Sanctuary within 10km of the mine lease, before starting any activity relating to the project at site. All the conditions stipulated by the Standing Committee shall be effectively implemented in the project. It shall be noted that this clearance does not necessarily implies that wildlife clearance shall be granted to the project and that your proposal for wildlife clearance shall be considered by the competent authorities on its merit and decision taken. The investment made in the project, if any based on environmental clearance granted to the project, in	<p><b>Complied</b></p> <p>Wildlife clearance has been obtained vide reference letter: WLP / 32 / B /7826-31/2012-13, dated 16-03-2013 from the Standing Committee of the National Board for Wildlife and Principle Chief Conservator of Forest – Gandhinagar before starting any activity relating to the project at site (Copy attached). All the conditions stipulated by the competent authority are being effectively implemented in the project.</p>

anticipation of the clearance from wildlife clearance shall be entirely at the cost and risk of the project proponent and Ministry of Environment and Forests shall not be responsible in this regard in any manner

No: WLP/32/B/7826-34 /2012-13  
 Office of the  
 Principal Chief Conservator of Forests  
 Block No.14/1, Aranya Bhavan,  
 Ch-3 Circle, Sector-10 A,  
 Gujarat State, Gandhinagar,  
 Date: 16/03/2013.

Sub: Proposal for clearance under Wildlife (Protection) Act - 1972 regarding the project near Sanctuary / National Park.

Proposal is for Mevasa-1 Bauxite mine of GMDC, on 186.96 ha at a distance of 3.44 km from Marine Wildlife Sanctuary - Gujarat.

Ref: 1. This office letter no. WLP/32/A/714-15/2011-12 dtd. 06-08-2011  
 2. The recommendation of Gujarat State Board for Wildlife dtd. 19-07-2011  
 3. Forest and Environment Department, Government of Gujarat's letter no. VPS-1011-1209-W dtd. 03-09-2011.  
 4. The recommendation of Standing Committee of National Board for Wildlife circulated vide MoEF, Govt's letter F. No. 6-43/2009/WL-I(27<sup>th</sup> Meeting) dt. 01-02-2013.

A Proposal for clearance under Wildlife (Protection) Act - 1972 regarding the project near Sanctuary / National Park of Mevasa - 1 Bauxite Mine project 186.96 ha at a distance of 3.44 km from Marine Sanctuary Jamnagar District is received from GMDC.

The proposal was placed before the State Board for Wildlife (SBWL). After detailed discussion in the meeting held on 19-07-2011 the SBWL recommended the proposal with certain conditions.

Thereafter, as per directions of Government of India, Ministry of Environment and Forest (Wildlife Division) New Delhi in its order dtd. 15-03-2011 the proposal was placed before the Standing Committee of the National Board for Wildlife and the same was discussed in the meeting held on 12-12-2012 and recommended by Standing Committee of National Board for Wildlife with certain conditions.

Therefore keeping in view the recommendations of the Gujarat State Board for Wildlife, those of Standing Committee of National Board for Wildlife, the undersigned is pleased to convey approval for the use of 186.96 ha land at Village Mevasa Ta. Kalyanpur Dist: Jamnagar for Mevasa - 1 Bauxite Mine of GMDC subject to following conditions:

**CONDITIONS:**

1. The conditions shown in environment clearance dtd.29/10/2010 and this office letter no:- WLP/32/A/640-42, Dtd.27/10/2009 must be strictly followed. (copy attached)
2. The study / report of environment or according to situation or any additional conditions are added by the office of Chief Wildlife Warden must be binding to the party and they have to follow the terms and condition stipulated by the authority.
3. In future if any act or rule declared for environment / forests and oc conservation of Wildlife. Then it must be followed by the party.

[Type text] Page 1

VI 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 & Forests and Central Ground Water Authority shall be obtained for which a detailed hydro-geological study shall be carried out taking into account the aspect of salinity ingress, if any.

**Complied**  
 Mining operation does not intersect Ground water table; because Mine working depth is maximum 5m(bgl) and Ground water table is below 10m within lease area and buffer zone.

VII The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations.

**Complied**  
 No natural watercourse and/or water resources are obstructed due to mining operations.

VIII The top soil 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.

**Complied**  
 Top soil generated in last six months was utilized in Plantation.

Month	Top Soil Qty.
Oct-2024	NIL
Nov-2024	NIL
Dec-2024	80 m3
Jan-2025	60 m3
Feb-2025	40 m3
Mar-2025	NIL

IX The over burden (OB) generated shall be concurrently backfilled. There shall be no external over burden dump. Out of the total excavated area of 64.87ha, an area of 9.1ha shall be backfilled and developed as pasture land. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office located at Bhopal on six monthly bases.

**Complied**

Bauxite mining is a pocket mining, hence over burden generation quantity is very less or negligible. The mining activity has been initiated from 2015, Since then, 38.81 Ha is excavated and 1.4 Ha is backfilled till date. Backfilled area will be developed as pasture land eventually in phased manner by GMDC.

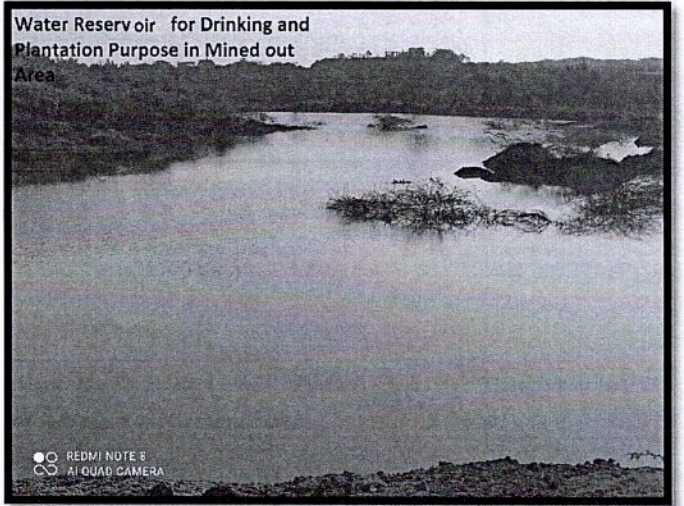
Monitoring and management of these reclaimed areas will be done till the vegetation becomes self-sustaining.



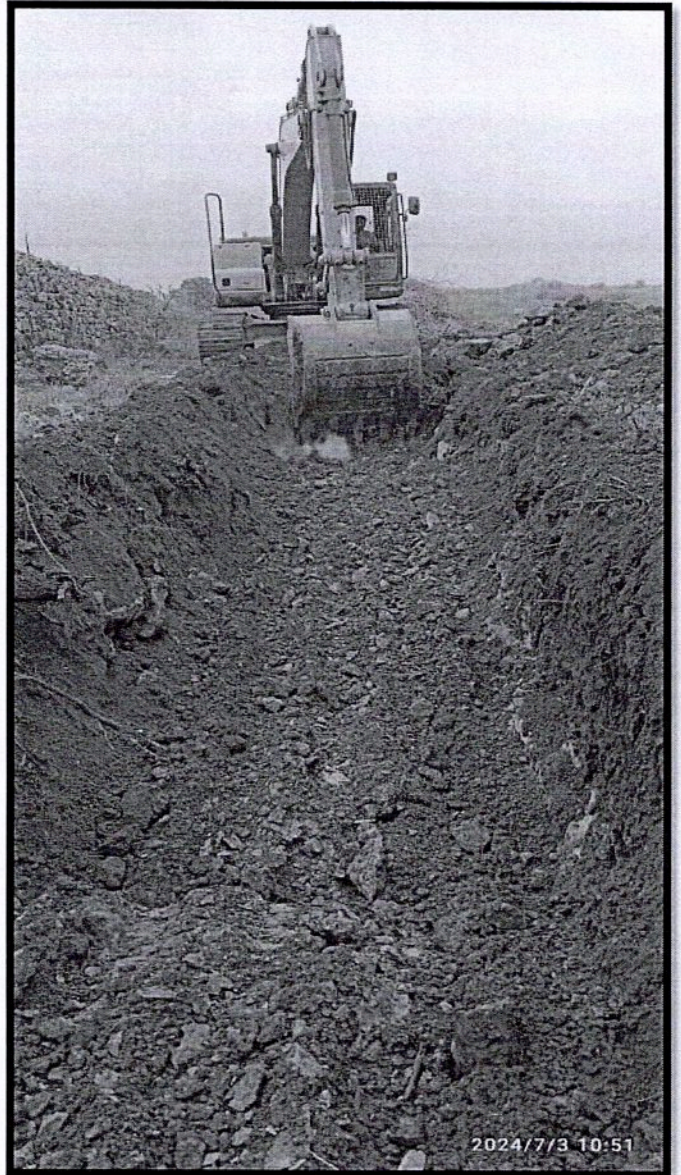
Reclamation at Mevasa Bauxite Mines GMDC



Sr. No	Month	O/B Generation Quantity
1	Oct-2024	00 m <sup>3</sup>
2	Nov-2024	150 m <sup>3</sup>
3	Dec-2024	400 m <sup>3</sup>
4	Jan-2025	600 m <sup>3</sup>
5	Feb-2025	350 m <sup>3</sup>
6	Mar-2025	250 m <sup>3</sup>

		Compliance status is submitted every six monthly in form of EC compliance.																								
X	The void left unfilled in an area of 55.77ha shall be converted into water body. The higher benches of excavated void/mining pit shall be terraced and plantation done to stabilize the slopes. The slope of higher benches shall be made gentle for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.	<p><b>Agreed to Comply with.</b></p> <p>The excavated pit bench area has terraced and plantation also done on the benches to stabilize the slopes, currently there is no void created but in future, excavated area will be converted into voids for water storage. This storage will provide water for various purposes like sprinkling and plantation in the lease area.</p> 																								
XI	<p>Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, soil and mineral dumps to prevent run off of water and flow of sediments directly into the Ran River and other water bodies. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly de-silted, particularly after the monsoon, and maintained properly.</p> <p>Garland drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed around the mine pit, topsoil dumps and the mineral dumps to prevent run off of water and flow of sediments directly into the Ran River and other water bodies and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years' data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and de-silted at regular intervals</p>	<p><b>Complied.</b></p> <p>No river is passing through lease hold area. Since, bauxite ore is deposited on the surface, the working depth does not exceed 5 meters. The mined out area creates a shallow depression which is used for storing rain water. Sub-quality bauxite, consists of dust, store as a temporary bund around the mining pit. Therefore, garland drains cannot be developed in all the pits. However, at certain places drains with the siltation pits/sumps are developed.</p> <p>Table showing dimension of Garland drains available on site.</p> <table border="1" data-bbox="925 1523 1428 1747"> <thead> <tr> <th>Location</th> <th>Length</th> <th>Width</th> <th>Depth</th> </tr> </thead> <tbody> <tr> <td>Pit No. 06</td> <td>120 m</td> <td>1.0 m</td> <td>1.0 m</td> </tr> <tr> <td>Pit No. 04</td> <td>300 m</td> <td>2.0 m</td> <td>1.0 m</td> </tr> <tr> <td>Pit No. 01</td> <td>50 m</td> <td>1.5 m</td> <td>1.0 m</td> </tr> <tr> <td>Pit No. 06</td> <td>100 m</td> <td>1.0 m</td> <td>1.0 m</td> </tr> <tr> <td>Pit No. 06</td> <td>100 m</td> <td>1.0 m</td> <td>1.0 m</td> </tr> </tbody> </table> <p>Sump capacity has been designed keeping the 50% safety margin over and peak sudden rainfall and also provides adequate retention period to allow proper settling of silt material and de-silted properly.</p> <p>The drains are regularly de-silted particularly after</p>	Location	Length	Width	Depth	Pit No. 06	120 m	1.0 m	1.0 m	Pit No. 04	300 m	2.0 m	1.0 m	Pit No. 01	50 m	1.5 m	1.0 m	Pit No. 06	100 m	1.0 m	1.0 m	Pit No. 06	100 m	1.0 m	1.0 m
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monsoon and maintained properly



XII Dimension of the retaining wall at the OB benches within the mine to check run-off and siltation should be based on the rainfall data.

**Complied**

The height of OB dumps is up to 3.0 meters; also the average rainfall received in the region is around 702 mm so the requirement of retaining wall is not foreseen as of now. Moreover, parapet type retaining bunds are prepared around OB benches to check run off effectively.



XIII Plantation shall be raised in an area of 27.22ha including a 7.5m wide statutory barrier all around the mining lease, around water body and benches of the excavated pits, roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 1500 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.

**Compliance under progress:**

GMDC has developed plantation/green belt around the mining lease, around water body and benches of the excavation pits and roads etc.

24314 plants are planted covering 19.143 Ha @ 1115 plants per ha are planted till date,

A table showing plantation in this year:

Month	No. of Plants	Area in Hect.
Oct-2024	100	0.045
Nov-2024	00	0.00
Dec-2024	100	0.036
Jan-2025	00	0.00
Feb-2025	110	0.099
Mar-2025	300	0.18

Photographs of greenbelt:



-XIV Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particulate matter such as around loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters confirm to the norms prescribed by the Central Pollution Control Board in this regard.

**Complied.**

Regular spraying of water is being carried out in critical areas prone to air pollution and high levels of particulate matter.

01 no. of tanker of capacity 05 KL are deployed for sprinkling on haul roads and loading unloading points to arrest dust pollution on regular basis.

Monthly monitoring of AAQ at 4 locations covering upwind and downwind directions are carried out



3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	13.46	80
4	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	19.90	80

Sample Date 19.12.2024

Sr. No.	Test Parameters	Unit	Results	Permissible Limits
1	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	38.74	60
2	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	65.45	100
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	16.74	80
4	Nitrogen Dioxide(NO <sub>2</sub> )	µg/m <sup>3</sup>	22.54	80

Sample Date : 21.01.2025

Sr. No.	Test Parameters	Unit	Results	Permissible Limits
1	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	34.99	60
2	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	64.76	100
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	15.00	80
4	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	21.43	80

Sample date 12.02.2024

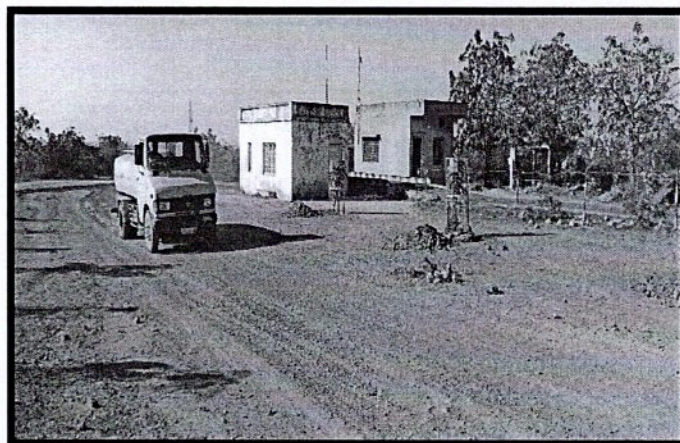
Sr. No.	Test Parameters	Unit	Results	Permissible Limits
1	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	36.24	60
2	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	70.29	100
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17.57	80
4	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	25.07	80

Sample date 22.03.2025

Sr. No.	Test Parameters	Unit	Results	Permissible Limits
1	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	35.83	60
2	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	76.61	100

3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	17.16	80
4	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	28.07	80

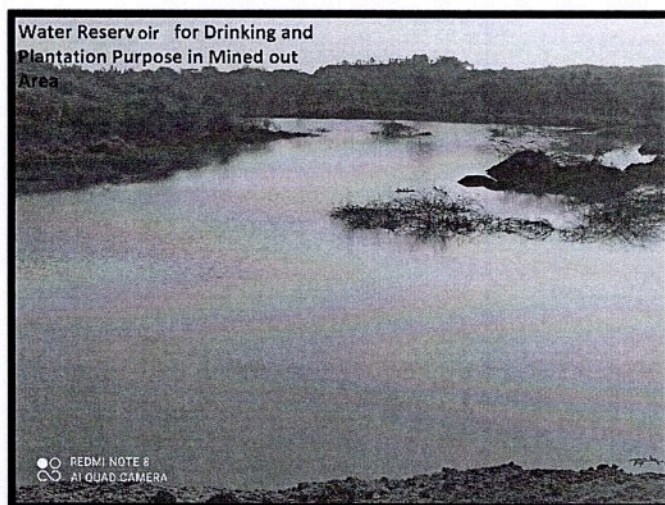
The photograph of water sprinkling is shown below



XV The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.

**Complied**

Rain water harvesting measures are adopted by constructing reservoir.



Water Reservoir for Drinking and Plantation Purpose in Mined out Area

XVI Regular monitoring of ground water level and quality shall be carried out within the mine

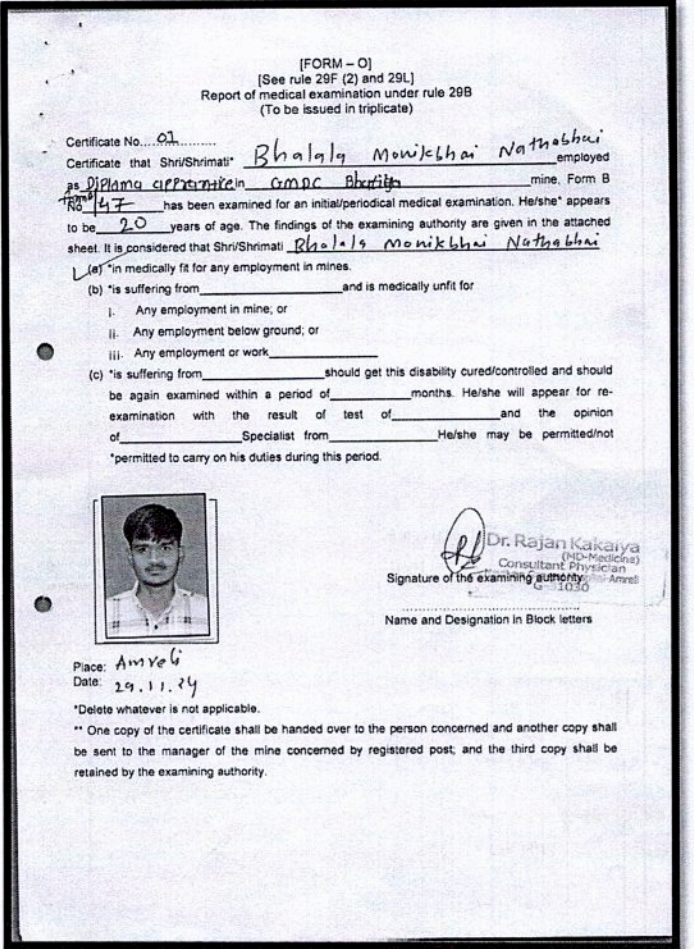
**Complied**

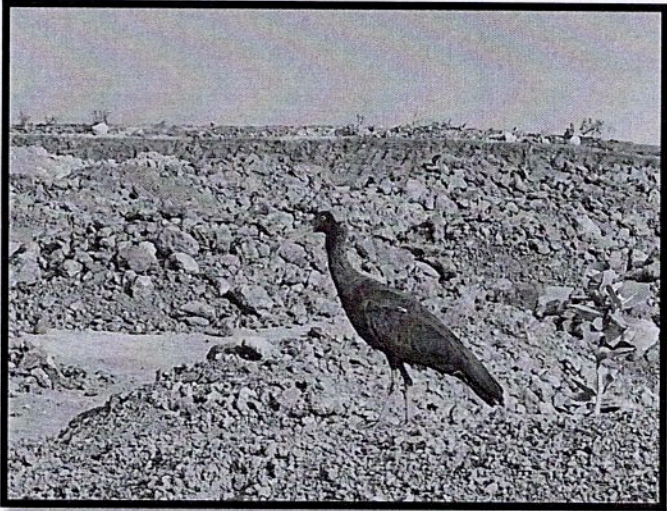
The mine depth is up to 5m (bgl) and depth of





	rainwater harvesting in consultation with the Central Groundwater Authority and submit a copy of the same to the Ministry of Environment and Forests and its Regional Office, Bhopal.	
XVIII	Appropriate mitigate measures shall be taken to prevent pollution of the Ran River in consultation with the State Pollution Control Board	<b>Complied</b> There is no any waste water generation due to mining activity in any case and ran river has not been polluted due to mining activities.
XIX	The project proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water, if any) required for the project.	<b>Agreed to Comply</b> Rainwater stored in pit area is used; hence no ground water withdrawal for any purpose. However, if any required for the project in future; we will obtain necessary prior permission of the competent authorities for drawl of requisite quantity of water (surface water and ground water).
XX	Vehicular emissions shall be kept under control and regularly monitored and checked. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.	<b>Complied.</b> Vehicular emissions are regularly monitored and checked & observed under control. Regular measures are being taken for maintenance of vehicles used in mining operations and in transportation of mineral. The mineral transportation is being carried out through the covered trucks only and we ensure that the vehicles carrying the mineral not be overloaded.
XXI	Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	<b>Complied.</b> Till date, no blasting has been carried out in mines. Combination of excavators, rock breakers and dumpers are used in mines.
XXII	Drills shall either be operated with dust extractors or equipped with water injection system.	<b>Complied.</b> No drilling activities carried out during mining process.
XXIII	Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.	<b>Complied.</b> Continuous water sprinkling is carried out in mineral handling areas, Loading and unloading areas including all the transfer points for efficient dust control arrangements.
XXIV	Sewage treatment plant shall be installed for the colony. ETP shall also be provided for the workshop and wastewater generated during the mining operation.	<b>Not applicable</b> As there is no residential colony as well as no workshop in mine premises, all vehicles are maintained through authorized dealers outside mine area.

XXV	Pre-placement medical examination and periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly.	<p><b>Complied.</b></p> <p>Pre-placement and periodical medical examinations are being carried out. IME at time of joining and PME at 05 year intervals by National institute of Occupational health. Sample is attached here with.</p>  <p>[FORM - O] [See rule 29F (2) and 29L] Report of medical examination under rule 29B (To be issued in triplicate)</p> <p>Certificate No. <u>01</u> Certificate that Shri/Shrimati* <u>Bhalaj Monikbhai Nathabhai</u> employed as <u>Diploma apprentice</u> in <u>GMPG Bhuj</u> mine, Form B has been examined for an initial/periodical medical examination. He/she appears to be <u>20</u> years of age. The findings of the examining authority are given in the attached sheet. It is considered that Shri/Shrimati* <u>Bhalaj Monikbhai Nathabhai</u> ✓ (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 _____ (c) is suffering from _____ should get this disability cured/controlled and should be again examined within a period of _____ months. He/she will appear for re-examination with the result of test of _____ and the opinion of _____ Specialist from _____. He/she may be permitted/not permitted to carry on his duties during this period.</p> <p>Place: <u>Amvegi</u> Date: <u>29.11.24</u></p> <p>*Delete whatever is not applicable. ** One copy of the certificate shall be handed over to the person concerned and another copy shall be sent to the manager of the mine concerned by registered post, and the third copy shall be retained by the examining authority.</p>
XXVI	Provision shall be made for the housing of construction labour 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 structures to be removed after the completion of the project	<p><b>Complied</b></p> <p>Presently, mining activity has been carried through outsourced Mining contractors, moreover workers are from nearby villages only. Hence infrastructures like fuels for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche and housing are not required as of now.</p>
XXVII	The project proponent shall take all precautionary measures during mining operation for conservation and protection of endangered fauna namely desert cat etc. spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. Necessary allocation of funds for implementation of the conservation plan shall be made and the funds so allocated shall be included in the project cost. All the safeguard	<p><b>Complied:</b></p> <p>Wild life conservation plan has already been prepared and submitted to The Chief Wildlife Warden, GoG – Gandhinagar, The Chief Conservator of Forest – Jamnagar and The DCF, Forest - Jamnagar on 19<sup>th</sup> December 2013.</p> <p>Precautionary measures in consultation with Local Forest Department for the conservation of Flora and Fauna of the area are being implemented regularly.</p>

	<p>measures brought out in the Wildlife Conservation Plan so prepared specific to the project site shall be effectively implemented. A copy of action plan shall be submitted to the Ministry of Environment and Forests and its Regional Office, Bhopal.</p>	<p>The project activity is carried out in day light only and there is minimum vehicles movement in area with speed limit of 30 Km.</p>  <p>Green belt development and plantation done in the mine areas also encourages conservation and protection of endangered Flora and Fauna.</p>
XXVII	<p>The critical parameters such as RSPM (Particulate matter with size less than 10micron i.e., PM10) and NOx in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended 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 and Forests, which is available on the website of the Ministry <a href="http://www.envfor.nic.in">www.envfor.nic.in</a> shall also be referred in this regard for its compliance.</p>	<p><b>Complied:</b></p> <p>Regular monthly monitoring of the critical parameters such as RSPM (Particulate matter with size less than 10 micron i.e. PM10) and NOx in the ambient air within the impact zone, peak particle velocity at 300m distance has been carried out through MOEFCC, NABL AND GPCB Accredited agency.</p> <p>To monitor quality of discharged water is not applicable, as no any water is discharged from the lease hold area, as we are not intersecting ground water.</p> <p>The monitored data of ambient air monitoring is being displayed on board at the project site at a suitable location near the main gate of the Company.</p>
XXIX	<p>A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment &amp; Forests 5 years in advance of final mine closure for approval.</p>	<p><b>Complied:</b></p> <p>Progressive Mine Closure has been approved by Indian Bureau of Mines (IBM) which is valid up to 31.03.2025.</p> <p>Final Mine Closure Plan along with details of Corpus Fund shall be submitted to MoEF &amp;CC, 5 years in advance of final mine closure for approval.</p>

**General Conditions:**

Sr. No.	General Conditions	Compliance						
I	No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment & Forests.	<p><b>Complied</b> Mining activity has been started on 28-04-2015. No change in mining technology and scope of work is done and if any such change will be proposed in future shall be made after prior approval of the MoEF &amp;CC.</p>						
II	No change in the calendar plan including excavation, quantum of mineral bauxite and waste should be made.	<p><b>Complied</b> Production of Bauxite will not exceed more than approved quantity (1,25,000 MT / Year).</p> <p>Production Data certified from District Geologist is given as below:</p> <p><b>Production in Year 2024-25 (Up to March-2025)</b></p> <table border="1" data-bbox="884 786 1501 992"> <thead> <tr> <th data-bbox="884 786 1075 860">Year</th> <th data-bbox="1083 786 1267 860">Plan (MT)</th> <th data-bbox="1275 786 1501 860">Production Actual (MT)</th> </tr> </thead> <tbody> <tr> <td data-bbox="884 871 1075 992">Apr-2024 to Mar-2025</td> <td data-bbox="1083 871 1267 992">125000.00</td> <td data-bbox="1275 871 1501 992">124984.535</td> </tr> </tbody> </table>	Year	Plan (MT)	Production Actual (MT)	Apr-2024 to Mar-2025	125000.00	124984.535
Year	Plan (MT)	Production Actual (MT)						
Apr-2024 to Mar-2025	125000.00	124984.535						
III	At least four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM (Particulate matter with size less than 10micron i.e., PM <sub>10</sub> ) and NOX monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board	<p><b>Complied.</b></p> <p>Four Ambient air quality monitoring stations have been established based on the meteorological data for monitoring of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub> periodically.</p> <p>Third Party monitoring is carried out by a MOEFCC, NABL &amp; GPCB Accredited Laboratory.</p>						
IV	Data on ambient air quality (RSPM(Particulate matter with size less than 10micron i.e., P <sub>1110</sub> ) and NO <sub>x</sub> ] should be regularly submitted to the Ministry including its Regional office located at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.	<p><b>Complied</b></p> <p>Monthly monitoring of AAQ at 4 locations covering upwind and downwind directions are carried out through NABL &amp; MOEFCC recognized laboratory. The parameters are within the limits and sample copy of report is attached. Six monthly compliance reports are regularly being submitted to the Regional office of MOEFCC and the State Pollution Control Board/Central Pollution Control Board. (copy of analysis report is attached)</p>						
V	Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads,	<p><b>Complied</b></p> <p>Water sprinkling on haul roads, loading and unloading points have been carried out regularly</p>						

loading and unloading and at transfer points should be provided and properly maintained

to control fugitive dust emission. Apart from sprinkling, green belt development all along the mining lease is also done in phased manner to control movement of fugitive dust emission.

Water sprinkling photographs is shown below-




VI Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.

**Complied**

Monthly monitoring of Noise levels at 4 locations is carried out through NABL & MOEFCC recognized laboratory. The noise level is within the limits and sample copy of report is attached. Six monthly compliance reports are regularly being submitted to the Regional office of MOEFCC and the State Pollution Control Board/Central Pollution Control Board. Adequate Measures for control of noise levels have been taken such as, regular maintenance of vehicles, usage of PPEs etc.

Sample report is attached herewith.




**GREEN**  
GREEN TECHNOLOGIES PRIVATE LIMITED

Head Office & Lab  
Deyat Estate, National Highway No.8, Opp APMC Market Gate-1, Sitapur, District Ahmedabad-382426  
Gujarat, INDIA  
Phone No : +91-7906972001 Email ID : info@greenchemstest.com

**CERTIFICATE OF ANALYSIS**

Report Number: GDMPLPN/4143D/102/05  
Gujarat Mineral Development Corp. Ltd. (Bhatiya)  
Bauxite Project Hevasa Mines, Tal-Kalyanpur-361315, Dist-Jamnagar

Reporting Date: 01/04/2025




**SAMPLE DETAILS**

Sampling Instrument :	Sound Level Meter	Sampling Date:	22/03/2025
Sample By :	Mausik Prajapati	Sample Description:	Ambient Noise

Sr.No	Lab Id	Location	Time	Unit	Test Method	Reading	Norms
1	Lab/PN/4143D/1 Q2/05A	Near Main Office Area	Day Time	dB(A)Leq	IS 9989	66.4	75
2	Lab/PN/4143D/1 Q2/05B	Near Weigh bridge	Day Time	dB(A)Leq	IS 9989	69.0	75
3	Lab/PN/4143D/1 Q2/05C	Near Rest shelter	Day Time	dB(A)Leq	IS 9989	64.9	75
4	Lab/PN/4143D/1 Q2/05D	Near Pit no 01	Day Time	dB(A)Leq	IS 9989	62.2	75
5	Lab/PN/4143D/1 Q2/05A	Near Main Office Area	Night Time	dB(A)Leq	IS 9989	54.4	70
6	Lab/PN/4143D/1 Q2/05B	Near Weigh bridge	Night Time	dB(A)Leq	IS 9989	54.7	70
7	Lab/PN/4143D/1 Q2/05C	Near Rest shelter	Night Time	dB(A)Leq	IS 9989	51.6	70
8	Lab/PN/4143D/1 Q2/05D	Near Pit no 01	Night Time	dB(A)Leq	IS 9989	48.6	70

Norms as per the Noise Pollution (Regulation and Control) Rules, 2000.  
 NS-Not Specified, BQL-Below Quantification Limit, QL-Quantification Limit

Reviewed & Authorized by  
Gyanesh Shukla



Reviewed & Authorized by  
Payal Patel

Page No : 1/1

VII	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents	<p><b>Not applicable</b></p> <p>There is no generation &amp; discharge of waste water from mine lease area in any case, as bauxite mining is pocket mining.</p>																		
VIII	<p>Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.</p> <p>Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.</p>	<p><b>Complied.</b></p> <p>Dust Mask and other Personnel Protective Equipment - Safety Shoes, Helmet etc is provided to all the employees.</p> <p>Vocational Training has been imparted and Initial and periodical Medical Examination has been done for all employees.</p> <p>Health check-up of all the employees as per Mines Rules for Occupational diseases is being carried out in every 3 years (for the employees above 45 years' age) and 5 years' interval (for the employees below 45 years' age) by National Institute of Miners' Health (NIMH), Nagpur (An Autonomous Institute under Ministry of Mines, GoI).</p>																		
IX	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization	<p><b>Complied.</b></p> <p>At project level, Environment Management Cell with experienced person, directly reporting to the In-charge General Manager of the Project, has been set up. A well-established qualified and experienced staff at Corporate Office of GMDC is continuously helping as well as watching the environmental activities.</p>																		
X	The funds 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><b>Complied.</b></p> <p>Separate account is being maintained. Year wise budget/expenditure is being reported through six monthly compliance of EC condition.</p> <table border="1" data-bbox="842 1384 1551 1742"> <thead> <tr> <th>S. No.</th> <th>Budget Head (Year-2022-23)</th> <th>Amount (Rs. In Lakhs)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Green Belt</td> <td>31.70</td> </tr> <tr> <td>2</td> <td>Fencing for the protection of wildlife around mine pit area</td> <td>9.20</td> </tr> <tr> <td>3</td> <td>Development of Van Talavadi from existing Mining pits for wildlife.</td> <td>2.0</td> </tr> <tr> <td>4</td> <td>Drip irrigation for plant species suitable to wildlife.</td> <td>6.80</td> </tr> <tr> <td colspan="2"><b>Total</b></td> <td><b>49.70</b></td> </tr> </tbody> </table>	S. No.	Budget Head (Year-2022-23)	Amount (Rs. In Lakhs)	1	Green Belt	31.70	2	Fencing for the protection of wildlife around mine pit area	9.20	3	Development of Van Talavadi from existing Mining pits for wildlife.	2.0	4	Drip irrigation for plant species suitable to wildlife.	6.80	<b>Total</b>		<b>49.70</b>
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XI	The project authorities should inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	<p><b>Agreed to comply</b></p> <p>Land Development &amp; Mining Operation has been started on 28-04-2015. CC&amp;A has also been obtained from State Pollution Control Board. It will be informed to the Regional Office regarding date of financial closures as and when it will be decided by the competent authority.</p>																		

XII	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	<b>Complied.</b> Project agrees and abides to cooperate to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
XIII	The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment and Forests, its Regional Office Bhopal, the respective Zonal Office of Central Pollution Control Board and the State Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the Ministry of Environment and Forests, Bhopal, the respective Zonal Officer of Central Pollution Control Board and the State Pollution Control Board.	<b>Complied.</b> Last report submitted for the April -2024 to Oct -2024 vide letter no. GMDC/BMM/819/2024-25. Dated 21/11/2024.  The status of compliance of the environmental clearance conditions is updated on website periodically.
XIV	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	<b>Complied.</b> The Copy of Environment Clearance is sent to the Mevasa Gram Panchayat, Zila Parisad and local NGO, Public hearing on 15/09/2009.  Copy of Environment Clearance is uploaded on website (www.gmdcltd.com) as below:
XV	The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collector's office/ Tehsildar's Office for 30 days.	<b>Complied.</b> At the time of EC Process that has been followed.
XVI	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and	<b>Complied.</b> Form V dated 18/06/2024 for 2023-2024 has been uploaded on GPCB XGN Online Portal.(copy is attached)

shall also be sent to the respective Regional Office of the Ministry of Environment and Forests, Bhopal by e-mail.

FORM - V

From :  
M/s Gujarat Mineral Corporation Development Ltd  
S.No. 437 & 396, Mevasa Bauxite Mine,  
Mevasa -361315, Ta: Kalyanpur,  
Dist: Devbhoomi Dwarka

To,  
Gujarat Pollution Control Board  
"Paryavaran Bhavan",  
Sector - 10 - A  
GANDHINAGAR :- 382 010

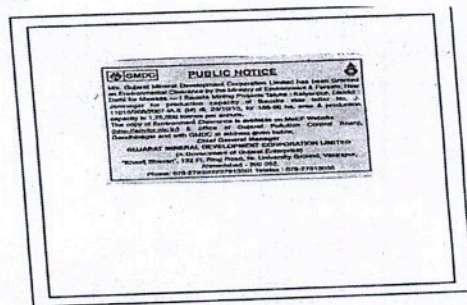
Environmental statement for the financial year ending the 31st March 2024.

PART - A

(i)	Name and address of the owner/occupier of the industry operation or process	M/s Gujarat Mineral Corporation Development Ltd. S.No. 437 & 396, Mevasa Bauxite Mine, Mevasa -361315, Ta: Kalyanpur, Dist: Devbhoomi Dwarka		
(ii)	Industry category - Primary - (STC Code) Secondary - (SIC Code)	Red - small		
(iii)	Production capacity Units	Sr. No.	Name of Product	CCA Quantity
		1	Bauxite Mining	10416.67 MT/Month OR 1,25,000 MT/Annum
(iv)	Year of Establishment	2013		
(v)	Date of last Environmental statement submitted	29/09/2023		

XVII The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forests at <http://envfor.nic.in> and a copy of the same should be forwarded to the Regional Office of this Ministry located at Bhopal.

The Advertisement has been circulated through News Paper "Indian Express and Sandesh Gujarati as below:



TO  
THE GENERAL MANAGER  
THE DY. GENERAL MANAGER  
THE SR. MANAGER

*File Memo EC  
This is Memo EC adv  
-Amud.*

COMPANY SECRETARY

*[Handwritten Signature]*  
29/05/25

I/c. General Manager (P)  
Bauxite Project - Bhatia

Handwritten scribbles or faint markings in the bottom left corner.