



No. SEIAA/GUJ/EC/1(a)/ 53 /2010

Date: 15 APR 2011
Time Limit

Sub: Environment Clearance for Hadmatiya Bauxite Mine (Mining Lease Area: 12.9500 Hectare) located at Survey No. 121/P, Vill:Hadmatiya, Ta:Kalyanpur, Dist: Jamnagar by M/s. Saurashtra Calcine Bauxite and Allied Industries Ltd.,...in Category 1(a) of Schedule annexed with EIA Notification dated 14/9/2006.

Dear Sir

This has reference to your application in Form-I, EIA report, Proceedings of Public Hearing and Additional details submitted to the SEAC, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006.

The proposal is for Environmental Clearance for **Hadmatiya Bauxite Mine (Mining Lease Area: 12.9500 Hectare) located at Survey No. 121/P, Vill:Hadmatiya, Ta:Kalyanpur, Dist: Jamnagar by M/s. Saurashtra Calcine Bauxite and Allied Industries Limited.** The total area of the mine is 12.9500 Hectares; with total balance reserve of 1320517 MT bauxite. The rate of mining will be 75000 MT/Annum. The mining lease was executed on 29.11.1977 for 20 years and prior to expiry of lease, they have applied for renewal of the same on 12.02.1997. Mining shall be carried out by Manual Open Cast Mining method. Except sorting, no other beneficiation will be carried out at this mine. As the The project proponent has got mining plan approved from the IBM for the mining lease area of 12.9500 Ha. and production capacity of 75000 MT/A, which is valid up to 2013.

The project activity is covered in 1(a) and is of 'B' Category. The public Hearing is carried out on 26.02.2010 at 11.00 hrs. at Lohana Mahajan Wadi Hall, Kalyanpur, Ta.: Kalyanpur, Dist.: Jamnagar.

The SEAC, Gujarat had recommended to the SEIAA, Gujarat, to grant the Environment Clearance to this project for the above-mentioned limestone mine. The public hearing has been conducted on 26.02.2010 and the proposal was considered by SEIAA, Gujarat in its meeting held on 24.03.2011 at Gandhinagar. The SEIAA hereby accords Environmental Clearance to above project under the provisions of EIA Notification dated 14th September, 2006 subject to the compliance of the following Specific and General conditions.:

A. SPECIFIC CONDITIONS:

A.1 WATER:

1. Fresh water requirement for domestic purpose, dust suppression and green belt development shall be 3.1 KL/day comprising of 0.6 KL/d for domestic purpose and 2.5 KL/d for dust suppression and plantation purpose. No ground water shall be used for the project.
2. The mining operation shall not intersect ground table and there shall not be any water / wastewater discharge from the mining operations.
3. Domestic wastewater shall be disposed off through soak pit.

A.2 AIR:

4. Air Pollution Control Measures (APCM) such as regular water sprinkling on the surface of raw material heaps and haul roads, covered dumpers / trucks / lorries for transportation of bauxite, deployment of own dedicated and specially fabricated tankers mounted on lorries for water sprinkling on haulage roads.

- development of green belt etc. shall be taken and implemented efficiently to meet the GPCB norms.
5. The project proponent shall not carry out any blasting activity as committed by them and as mentioned in the EIA Report of the project.
 6. Ambient air quality monitoring through a third party shall be carried out in the downward direction as well as at a point where maximum ground level concentration is anticipated. Such data on ambient air quality monitoring shall be regularly submitted to the GPCB and SEIAA, Gujarat once in six month.
 7. The project proponent shall not deploy long trucks / dumpers having more than 10 MT carrying capacity for transportation of materials.
 8. Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded.
 9. The project proponent shall deploy own dedicated tanker for water sprinkling for dust suppression.
 10. The fugitive emission in the work zone environment and ambient air shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities including Director of Mines and Geology as well as Gujarat Pollution Control Board from time to time. Following indicative guidelines shall be followed to reduce the fugitive emission.
 - a) Enclosure shall be provided at all loading and unloading operations.
 - b) Water shall be sprayed on all reject material / product material stock piles periodically to retain some moisture in top layer to reduce the fugitive emission.
 - c) All transfer points shall be fully enclosed.
 - d) Internal road shall be either paved properly or sprinkled with water regularly to reduce the fugitive emission during vehicular movement.
 - e) Air borne dust shall be controlled with water sprinklers at suitable intervals.

A.3 SOLID WASTE:

11. Used oil / waste oil shall be sold only to the registered recycler.
12. The solid waste collected in the different Air Pollution Control Measures and other collection system shall be reutilized.

A.4 SAFETY:

13. The blasting shall not be carried out, as committed by the project proponent.
14. First Aid Box shall be made readily available at the site.
15. Occupational health surveillance of the workers shall be done by the doctor who is expert in occupational health and hygiene and its records shall be maintained. Pre-employment and periodical medical examination for all the workers shall be undertaken on regular basis as per mining Acts & Rules.
16. Information regarding occupational mine diseases caused due to air pollution and its preventive measures shall be displayed at site in vernacular language for the benefit of the workers.
17. Anti-vibration devices shall be provided to the vibrating tools and equipments to be used by workers during mining and its usage shall be ensured. Safe limit of vibration impact shall be maintained.
18. All the precautions are to be observed as per Reg. 106 of MMR, 1961 for safety and security. Face masks, helmets, safety shoes etc. shall be provided to all the workers working in the mining areas and its usage shall be ensured and supervised.

A.5 NOISE:

19. The overall noise level in and around the mine area shall be kept well within the standards by providing noise control measures including engineering control like acoustic insulation, hoods, silencers, enclosures etc. in all sources of noise generation. The ambient noise level shall conform to the standards prescribed under Environment (Protection) Act & Rules, 1986.
20. Noise levels for workers shall be as per the Mine Act & Rules.

A.6 CLEANER PRODUCTION AND WASTE MINIMISATION:

21. The company shall strive to adopt zero waste mining concepts by reducing the quantum of reject through technological innovation or finding the use of fines through perspective buyers.

A.7 GREEN BELT AND OTHER PLANTATION:

22. Top soil from the mining area shall be scrapped in special slices, preserved and utilized for the plantation work.
23. The unit shall develop green belt as shown in the conceptual mine closure plan, with native species and strictly as per time schedule.
24. A thick plantation belt on the periphery, nearby villages and other appropriate places shall be carried out vigorously in consultation with the Gram Panchayats, GPCB and the Forest Department to increase the green cover of the area.

B. GENERAL CONDITIONS:

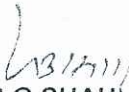
25. The mining operation shall be restricted to above ground water table and it shall not intersect ground table. In case of working below ground water table, prior approval of the SEIAA shall be obtained for which a detailed hydro-geological study shall be carried out.
26. The project proponent shall ensure that no natural watercourse / river shall be obstructed due to any mining operations.
27. Catch drains, Garland drains shall be constructed around the excavated mine, mineral dumps, reject dumps to prevent run off of water and flow of silt and sediments directly into the water bodies.
28. The pits left unfilled in an area shall be converted into water body. The higher benches of excavated void/mining pit shall be terraced and plantation shall be done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area. In addition, a protective bund with 15^o slope shall be made around the periphery of the worked out area to check the inadvertent entry of men and animal.
29. Appropriate fencing and manning of lease area and mined out areas shall be done to avoid falling and/or drowning of humans and animals.
30. Training to the drivers of the trucks and other vehicles shall be given by the company to reduce the accidents on the highway during transportation of the minerals.
31. All the recommendations made in the EIA / EMP report of the project and the commitments made in the undertaking dated 02.07.2007 submitted by the project proponent shall be implemented.
32. All the issues raised, suggestions and recommendations made and commitments given during the public hearing / consultation process shall be implemented satisfactorily.
33. The project proponent shall earmark specific budget for socio-economic upliftment activities to be carried out as part of their corporate social responsibility. A list of the activities to be carried out for this purpose shall be prepared after assessing the requirements and needs of the community in the vicinity and the list of the activities to be undertaken every year by the company shall be prepared in consultation with the nearby villages. The fund earmarked for this purpose shall not be diverted for any other purpose.
34. A booklet containing the Dos and Don'ts shall be prepared in vernacular languages for the use of the mine engineers / managers and the workers to ensure that all necessary environmental, safety and health measures are undertaken.
35. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.
36. The six monthly compliance reports on the conditions stipulated hereinabove shall be submitted to the SEIAA, GPCB and the Regional Office of the Ministry of Environment and Forests, Bhopal, without fail.
37. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
38. The project management shall also comply with all the environment protection measures, risk mitigation measures and safeguards recommended in the EIA / EMP report as well as other proposals made by them.
39. The applicant shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and

management.

40. No further expansion or modifications in the plant shall be carried out without prior approval of the MoEF/ SEIAA, as the case may be. In case of deviations or alterations in the project proposal from those submitted to MoEF/ SEIAA/ SEAC for clearance, a fresh reference shall be made to the SEIAA/ SEAC to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
41. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
42. The applicant shall inform the public that the project has been accorded Environmental Clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
43. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior Environmental Clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
44. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
45. The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
46. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory.
47. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
48. This Environmental Clearance is valid for five years from the date of issue.

With regards,

Yours sincerely,


(R.G.SHAH)
Member Secretary

Issued to:

M/s. Saurashtra Calcine Bauxite & Allied Ind. Ltd., Hadmatiya Bauxite Mine,
2 Km Bhatia - Harsad Road,
Post: Bhatia, Dist: Jamnagar- 361 315.

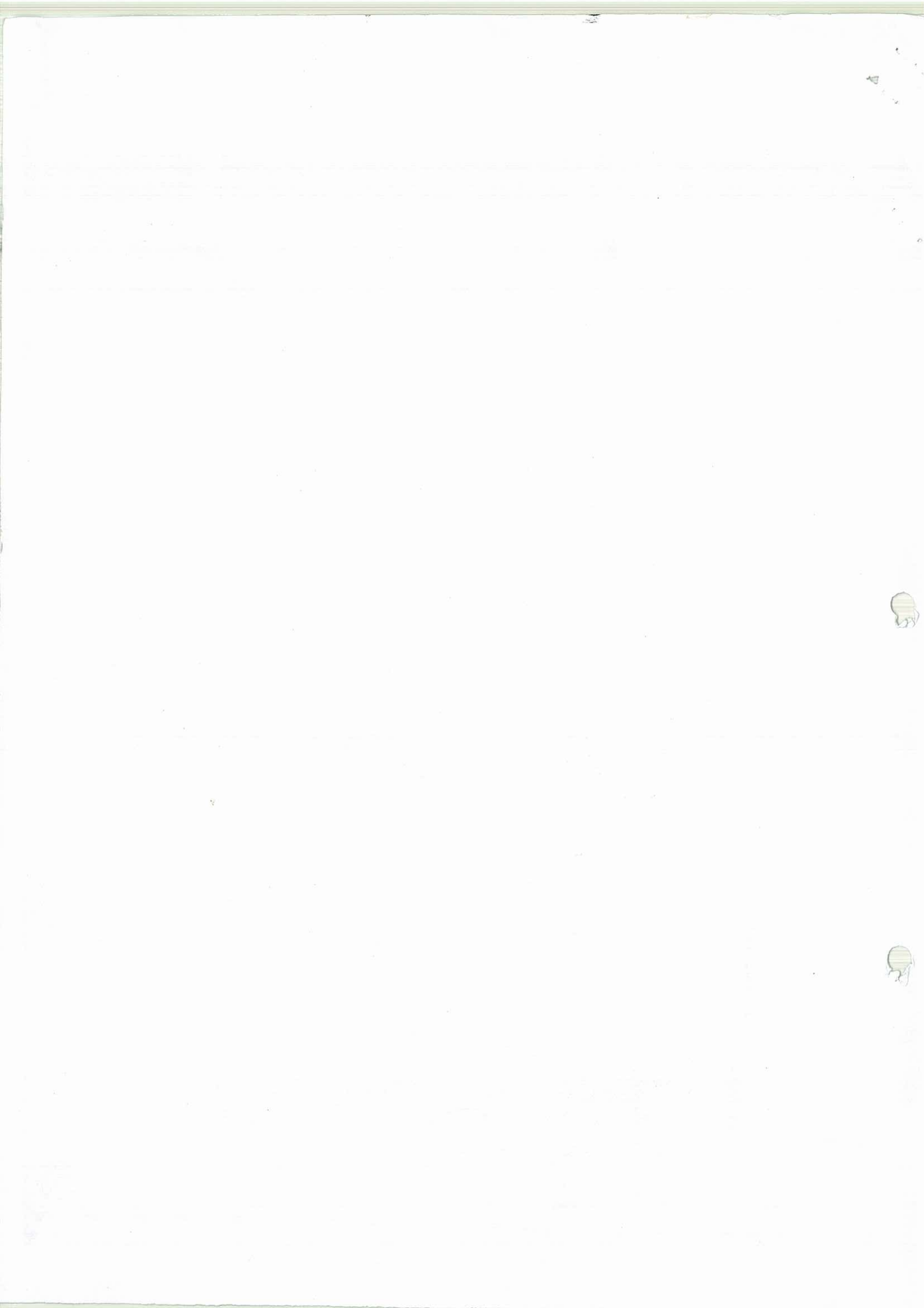
Copy to:-

- 1 The Secretary, Department of Environment and Forests, Govt. of Gujarat, Secretariat, Gandhinagar-382010.
- 2 The Chairman, Central Pollution Control Board, Parivesh Bhavan CBD -cum-Office Complex, East Arjun Nagar, New Delhi-110032

1. The Chief Conservator of Forests (Central), Ministry of Environment & Forests
2. Regional Office (WZ), E-5, Arera Colony, Link Road-3, Bhopal-462016, MP
3. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, SO Complex, New Delhi-110003.
4. The Member Secretary, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10 A, Gandhinagar-382010
5. Select File

(R.G.SHAH)

Member Secretary





GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

By R.P.A.D

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)-1981 and Authorization under rule 3(c) & 5(5) of the Hazardous and other Wastes (Management and Trans boundary Movement) Rules'2016 framed under the Environment (Protection) Act-1986.

And whereas Board has received consolidated consent application Inward id no. 258065 dated 07/06/2022 for Re-Apply the Consolidated Consent and Authorization (CC & A) of this Board under the provisions/rules of the aforesaid Acts. Consents & Authorization are hereby granted as under:

CONSENTS AND AUTHORISATION:

(Under the provisions /rules of the aforesaid environmental acts)

To;

**M/s Saurashtra Calcine Bauxite & Allied Ind (30973),
PLOT NO: 121,, Hadmatia Bauxite Mines (12.95 Hectares),
Hadmatia - 361315,
Tal: Kalyanpur, Dist: Devbhoomi Dwarka,**

1. Consent Order No.: AW-120053 date of Issue: 11/07/2022.
2. The consents shall be valid up to 25/05/2026 for use of outlet for the discharge of trade effluent and emission due to operation of industrial plant for manufacture of the following items:

Sr. No.	Product	Quantity
1.	Mining of Bauxite	75000 MT/Month

Specific Conditions:-

- You shall have to comply with all the conditions mentioned in the Environment clearance order no. SEIAA/GUJ/ EC/1(a)/53/2010 dated. 15/04/2011 issued by the State Environment Impact Assessment Authority Gujarat.

Specific Conditions for mining.

Conditions for Mining Dumps:

- The individual dump should have maximum slope of 37 degree and an overall slope not exceed 28 degree.
- The external dump should have stretches of retaining wall at suitable locations of required height with weep holes to drain out water to the garland drain.
- The back-filled areas should be leveled to match with adjoining ground level.
- The completed dumps and the back-filled areas should be afforested in a planned way to increase their stability.

Conditions for Overburden Dumps

- The top soil prior to drilling and blasting should be stacked at designated area surrounded by embankment to prevent erosion.
- The over burden and top soil dumps should be stabilized by plantation and hanking with coir nets / blankets.

- Phase-wise waste management should be shown on surface plan in the mine leased area for the 5th year, 10th year, 15th year 20th year, 25th year and 30th year.

Conditions for Transportation.

- Industry shall take adequate measures to control emission due to loading, unloading of materials and movement of vehicles

Conditions for Material stockpiles

Industry shall take necessary measures to control dust emission due to operation of mining activity. The mine waste management should be as per the approved mine plan.

3. CONDITIONS UNDER WATER ACT 1974:

- 3.1. Source of water: - Tankers.
- 3.2. The quantity of the water consumption for industrial purpose shall not exceed 2.5 KLPD.
- 3.3. The quantity of the water consumption for domestic purpose shall not exceed 0.6 KLPD.
- 3.4. There shall be no generation of industrial effluent from the manufacture process & other ancillary industrial operations.
- 3.5. The quantity of the domestic waste water (sewage) shall not exceed 0.4 KLPD.
- 3.6. Sewage shall be disposed off through septic tank/soak pit system.
- 3.7. Entire quantity of the mine seepage water/runoff, if any, shall be treated to meet with the GPCB norms as prescribed below and shall be entirely utilized for dust suppression and for green belt development within the mines premises only.
- 3.8. The quantity of the mine-seepage water, if any shall conform to the following standards:

PARAMETER	PERMISSIBLE LIMIT
pH	6.5 to 8.5
Colour (pt.co.units)	100 units
Temperature	40 ^o C
Suspended Solids	100 mg/l
Oil & Grease	10 mg/l
Total Suspended Solids	100 mg/l
Sulphides	2 mg/l
Phosphates	5 mg/l
BOD (3 Days 27 ^o C)	30 mg/l
COD	100 mg/l

4. CONDITIONS UNDER AIR ACT 1981:

- 4.1. There shall be no use of fuel and consequently there shall be no any flue gas & process gas emission.
- 4.2. The industry shall install & operate air pollution control system in order to achieve the air pollution
 - a) Water sprinkling system.



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,

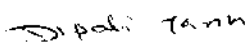
GANDHINAGAR - 382010,

(T) 079-23232152

- b) Adequate plantation should be carried out in and around the mining area.
 - c) Transportation of product material shall be carried out in closed/covered vehicle.
 - d) Mining shall be carried out as per plan approved by Indian Bureau of mines.
- 4.3. Applicant shall comply with the National Ambient Air Quality Standards notified by Central Pollution Control Board, New Delhi time to time under the provision of the Environment (Protection) Act-1986 for all the parameters. The concentration of all parameters in the ambient air within the premises of the industry and a distance of 10 meters from the source (other than the stack/vent) shall not exceed than the permissible limit. Standards are as pre Annexure-II
 - 4.4. The applicant shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/displayed to facilitate identification.
 - 4.5. The industry shall take adequate measures for control of noise levels from its Own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75dB(a) during day time and 70dB (A) during night time. Daytime is reckoned in between 6a.m. and 10p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.
 - 4.6. The applicant shall have to carry out mining as per approve mining plant from the Indian Bureau of Mines and shall also comply with all the guidelines/directives/ Judgment issued/being issued by MOEF/ CPCB/ DOEF/ Hon'ble Apex court/ Hon'ble High court etc. from time to time.
 - 4.7. Environment cell shall be setup and shall be responsible for total environment management.
 - 4.8. Monitoring in respect to Air, Water noise level shall be carried out and shall be submit to this Board on quarterly bases.
 - 4.9. Topsoil should be staked with proper slop at earmarked site(s) only with adequate measures and should be used for reclamation and rehabilitation of mined out area.
 - 4.10. The overburden generated during the mining operation should be progressively backfilled and no external dump should be created.
5. **GENERAL CONDITIONS:**
- 5.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.
 - 5.2 Applicant shall also comply with the general conditions given in annexure I.
 - 5.3 Whenever due to accident or other unforeseen act or ever, such emissions occur or is apprehended to occur in excess of standards laid down such information shall be forthwith reported to Board, concerned Police Station.

- Office of Directorate of Health Service, Department of Explosives, Inspectorate of Factories and local body.
- 5.4 In case of failure of pollution control equipments, the production process connected to it shall be stopped. Remedial actions/measures shall be implemented immediately to bring entire situation normal.
 - 5.5 The Environmental Management Unit/Cell shall be setup to ensure implementation on and monitoring of environmental safeguards and other conditions stipulated by statutory authorities. The Environmental Management Cell Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing environmental issues. These cells/units also coordinate the exercise of environmental audit and preparation of environmental statements.
 - 5.6 The Environmental audit shall be carried out yearly and the environmental statements pertaining to the previous year shall be submitting to this State Board latest by 30th September every year.
 - 5.7 The Board reserves the right to review and/or revoke the consent and/or make variations in the conditions, which the Board deems fit in accordance with Section 27 of the Act.
 - 5.8 In case of change of ownership/management the name and address of the new owners/ partners/ directors/proprietor should immediately be intimated to the Board.
 - 5.9 Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Hon. Supreme order in w.p. no. 657 of 1995 dated 14th October 2003.

For and on behalf of
Gujarat Pollution Control Board



(Dipali Tank)
Environment Engineer

NO: PC/CCA-JMN-312(3)/ID-30973/

Date:

Issued To:

M/s Saurashtra Calcine Bauxite & Allied Ind (30973),
PLOT NO: 121, Hadmatia Bauxite Mines (12.95 Hectares),
Hadmatia - 361315.
Tal: Kalyanpur, Dist: Devbhoomi Dwarka.



TEST REPORT

TEST REPORT NO.: ETS/3032-52/06/2023

DATE OF REPORT: 07.06.2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/S SAURASHTRA CALCINE BAUXITE & ALLIED INDUSTRIES
HADMATIYA KALYANPUR DEVBHUMI-DWARKA
121 PAIKY 12.95.00 HA. (BAUXITE)

Date of Monitoring : 02.06.2023
Analysis Start Date : 03.06.2023
Analysis End Date : 07.06.2023
Duration Of Monitoring : 03.06.2023 To 04.06.2023
Time Of Monitoring : 10.10 AM To 10:10 AM (CO for 1.0 Hrs.)
Sample ID No : 3032-52
Sampling Done By : ETS STAFF
Sampling Location : NEAR MAIN GATE
Sampling Method : ETS/STP/AIR-01
Sampling Machine Placed At Height : 1.5 METER FROM GROUND LEVEL
Weather Condition : CLEAR Ambient Temperature: 38.0 °C
Wind Direction : E To W
Equipment Used : Respirable Dust Sampler (PM₁₀) + Fine Particulate Sampler (PM_{2.5})

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM ₁₀)	µg/m ³	136.7	For 24 Hrs.=100	IS 5182 (Part-23)
2	Particulate Matters.(PM _{2.5})	µg/m ³	87.5	For 24 Hrs.=60	ETS/STP/AIR-03
3	Sulphur Dioxide, (SO ₂)	µg/m ³	24.6	For 24 Hrs.=80	IS: 5182 (Part-2)
4	Nitrogen Dioxide,(NO ₂)	µg/m ³	34.8	For 24 Hrs.=80	IS: 5182 (Partt-6)
5	Carbon Monoxide,(CO)	mg/m ³	0.78	For 8 Hrs.=2 / For 1 Hrs.=4	IS 5182 (Part-10)

*****End of Test Report*****

CHECKED BY
SHRADDHA GUPTA

Page 1 of 1

For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
Quality Manager

Format No ETS/LAB/TR-01, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

Note:-

1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.
2. The results indicated only refer to the tested samples and listed applicable parameters.
3. No complaint will be entertained if received after 7 days of issue of test report.
4. Our liability is limited to invoice value only.
5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.
6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.



(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO.: ETS/3032-53/06/2023

DATE OF REPORT: 07.06.2023

NOISE MONITORING REPORT

Name And Address of Customer : M/S SAURASHTRA CALCINE BAUXITE & ALLIED INDUSTRIES
HADMATIYA KALYANPUR DEVBHUMI-DWARKA
121 PAIKY 12.95.00 HA. (BAUXITE)

Date of Monitoring : 02.06.2023
Monitoring Start Date : 02.06.2023
Monitoring End Date : 03.06.2023
Duration Of Monitoring : 24 HOURS
Sample ID No : 3032-53
Monitoring Done By : ETS STAFF
Sampling Location : NEAR MAIN GATE
Sampling Method : ETS/STP/NOISE-01
Category Of Area : INDUSTRIAL AREA

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Day Time Noise Level	Leq :dB (A)	65.9	75	IS: 9989
2	Night Time Noise Level	Leq :dB (A)	59.7	70	IS: 9989

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.
Night time is reckoned in between 10.00 P.M. and 06.00 A.M.

*****End of Test Report*****



CHECKED BY
SHRADDHA GUPTA

Page 1 of 1

For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
Quality Manager

Format No ETS/LAB/TR-02, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

- Note:-
1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.
 2. The results indicated only refer to the tested samples and listed applicable parameters.
 3. No complaint will be entertained if received after 7 days of issue of test report.
 4. Our liability is limited to invoice value only.
 5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.
 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

TEST REPORT

TEST REPORT NO.: ETS/3032-54/06/2023

DATE OF REPORT: 07.06.2023

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S SAURASHTRA CALCINE BAUXITE & ALLIED INDUSTRIES
HADMATIYA KALYANPUR DEVBHUMI-DWARKA
121 PAIKY 12.95.00 HA. (BAUXITE)

Date of Sampling : 02.06.2023

Analysis Start Date : 03.06.2023

Analysis End Date : 07.06.2023

Sample ID No : 3032-54

Sampling Done By : ETS STAFF

Sampling Description : GROUND WATER

Sampling Location : BORE WELL

Sampling Method : ETS/STP/WATER-02

Sample Quantity : 2.0 + 0.5 Ltr

Packing Condition : SEALED

Packed In : P.V.C. AND GLASS BOTTLE

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per IS:10500: 2012)		Test Method
				Desirable	Permissible	
1	Colour	Hazen	<5.0	5	15	APHA 2120-B
2	Odour	...	Agreeable	Agreeable	Agreeable	APHA 2150-B
3	Taste	...	Agreeable	Agreeable	Agreeable	APHA 2160-C
4	pH	...	7.51	6.5 - 8.5	No Relaxation	APHA 4500-H+
5	Turbidity	NTU	<1.0	1	5	APHA 2130-B
6	Total Dissolved Solids,(TDS)	mg/L	747.0	500	2000	APHA 2540-C
7	Chlorine (Residual)	mg/L	<0.1	0.2	1	APHA 4500:(Cl)-B
8	Total Alkalinity,(CaCO ₃)	mg/L	246.2	200	600	APHA 2320-B
9	Total Hardness,(CaCO ₃)	mg/L	360.8	200	600	APHA 2340-C
10	Calcium,(Ca)	mg/L	76.1	75	200	APHA 3500:(Ca)-B
11	Chloride,(Cl)	mg/L	62.8	250	1000	APHA 4500:(Cl-)-B
12	Iron,(Fe)	mg/L	0.30	1.0	No Relaxation	APHA-3120B
13	Total Coliform Count	PER100mL	Absent	Shall Not Be Detectable		IS 15185

Page 1 of 1

CHECKED BY
SHRADDHA GUPTA

MD HUMRAJ
AUTHORIZED SIGNATORY

Format No ETS/LAB/TR-09, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

- Note:-
1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.
 2. The results indicated only refer to the tested samples and listed applicable parameters.
 3. No complaint will be entertained if received after 7 days of issue of test report.
 4. Our liability is limited to invoice value only.
 5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.
 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.



TEST REPORT

TEST NO.: ETS/3032-55/06/2023

DATE OF REPORT: 07.06.2023

SOIL SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S SAURASHTRA CALCINE BAUXITE & ALLIED INDUSTRIES
HADMATIYA KALYANPUR DEVBHUMI-DWARKA
121 PAIKY 12.95.00 HA. (BAUXITE)

Date of Sampling : 02.06.2023
Analysis Start Date : 03.06.2023
Analysis End Date : 07.06.2023
Sample ID No : 3032-55
Sampling Done By : ETS STAFF
Sampling Description : SOIL
Sampling Location : NEAR MAIN GATE
Sampling Method : ETS/STP/SOIL-01
Sample Quantity : 2.0 Kg.
Packing Condition : SEALED
Packed In : POLY BAG

S. No.	Test Parameter	Unit	Result	Test Method
1	Texture	...	SANDY CLAY LOAM	IS 2720 (Part-4)
2	Sand	%	52.7	IS 2720 (Part-4)
3	Silt	%	21.2	IS 2720 (Part-4)
4	Clay	%	26.1	IS 2720 (Part-4)
5	pH	...	6.45	IS 2720 (Part-26)
6	Bulk Density	g/cm ³	1.42	IS 2386 (Part-4)
7	Moisture Content	%	24.0	IS 4332 (Part-2)
8	Electrical Conductivity (EC)	µs/cm	330.0	IS 14767
9	Water Holding Capacity (WHC)	%	27.0	IS 2720 (Part-2)
10	Bicarbonate	mg/kg	53.4	ETS/STP/SOIL-20
11	Exchangable Sodium	mg/kg	64.7	ETS/STP/SOIL-21
12	Orthophosphate	mg/kg	1.2	ETS/STP/SOIL-22
13	Sodium (Na)	mg/kg	63.9	ETS/STP/SOIL-18
14	Potassium (K)	mg/kg	46.0	ETS/STP/SOIL-18
15	Total Nitrogen (N)	mg/kg	23.0	ETS/STP/SOIL-15
16	Available Sulphur	mg/kg	17.3	ETS/STP/SOIL-23
17	Magnesium (Mg)	mg/kg	417.0	ETS/STP/SOIL-08
19	Phosphorus Pentoxide (P ₂ O ₅)	%	3.7	BS 1377 -3
20	Porosity	%	17.0	IS 13030
28	Calcium (Ca)	mg/kg	1143.0	IS 2720 (Part-23)
29	Organic Matter (OM)	%	1.7	IS 2720 (Part-22)

Page 1 of 1

*****End of Test Report*****
For ENVIRO-TECH SERVICES

CHECKED BY
SHRADDHA GUPTA

AUTHORIZED SIGNATORY
Quality Manager

Format No ETS/LAB/TR-12, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

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મે. સૌરાષ્ટ્ર કલ્સાઈન બોક્સાઈટ
એન્ડ એલાઈક ઈન્ડસ્ટ્રીઝ થીરબંદર
હડમતિયા બોક્સાઈટ માર્શલ
વિસ્તાર. ૧૨.૯૫૦૦ હેક્ટર સ:ન ૧૨૧ ચૈકી
કરારખત ૩૦.૧૧.૧૯૭૭ મુદત-૫૦ વર્ષ

SAURASHTRA CALCINE BAUXITE & ALLIED INDUSTRIES

AT- BHATIA, TALUKA - KALYANPUR, DIST. DEVBHUMI DWARKA - 361315

Name & Contact details of all the members of Sustainable Development Unit (SDU) Hadmatiya S.No. 121

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