



Global Calcium
Adding Life to Life

GC/786/ MoEF/ RO/ 2024-25

23.05.2024

To

The Director (S)
Ministry of Environment, Forests & Climate Change
Integrated Regional Office,
1st Floor,
Additional Office Block For GPOA
Shastri Bhavan, Haddows Road,
Nungambakkam, Chennai 600 006

Dear Sir,

Sub. : Half-yearly Compliance Report upto Mar 24 - Reg
Ref. : 1. MoEF clearance No J-11011/411/2006-I A II (I) dt 01.08.2007
2. MoEF clearance No J-11011/411/2006-I A II (I) dt 16.08.2016
3. EC23A021TN110777 File No. - IA-J-11011/411/2006-IA II (I)
Date of Issue EC - 30/01/2023.

With reference to the above we are sending herewith the Half - yearly report ending March 24. We obtained the CTO for our expansion valid upto 31.3.27 from TNPCB. Please note that we have not obtained any financial assistance from any Institution and met with internal funds only. We obtained the EC from MoEFCC on 31.01.23 and applied for CTO and obtained. We have started the production of expansion project during December 23.

In the Half-yearly compliance reports we have not attached many details and all attachments in the latest EC compliance report.

The present status of the project is in running condition.

Kindly acknowledge the receipt of the same.

Thanking you
Yours faithfully
For GLOBAL CALCIUM PVT. LTD.,

Authorised Signatory

Encl. : As above

email.info@globalcalcium.com

www.globalcalcium.com

GLOBAL CALCIUM PVT. LTD.

REGD. OFFICE / PLANT:
125 & 126, SIPCOT Industrial Complex,
Hosur 635 126, India.
Tel: 91 - 4344 - 406000
276958 / 276959
Fax 91-4344-276126

CORPORATE OFFICE:
No.1, Hundred Feet Road,
V Block Koramangala,
Bangalore 560 095, India
Tel: 91-80-4055 4500
Fax: 91-80-25530807



**HALF YEARLY ENVIRONMENTAL CLEARANCE
COMPLIANCE REPORT ENDING March 24**

EC OBTAINED Vide Letter Nos

1. F. No. J-11011/411/2006-IA-II(I) dated 1st August 2007
2. MoEF clearance No J-11011/411/2006-I A II (I) dt 16.08.2016
3. EC23A021TN110777 File No. - IA-J-11011/411/2006-IA II (I)
Date of Issue EC - 30/01/2023

by

M/s Global Calcium Pvt. Ltd.,

**at Plot No.124,125,126 , SIPCOT Complex,
Hosur ,
District Krishnagiri, Tamil Nadu. 635126**

Submitted to

Ministry of Environment, Forests and Climate Change Integrated Regional
Office, I Floor, Additional Office Block for GPOA, Shastri Bhavan, Haddows
Road Nungambakkam, Chennai 600 006

Mar 24

GLOBAL CALCIUM PRIVATE LIMITED., HOSUR

Half Yearly Compliance Report for 31st March 24

Ref . : Proposal No IA/TN/IND3/405106/2022 dt 31.01.2023

S. N o	Conditions	Compliance
1	<p>The PP shall develop Greenbelt over an area of at least 1.14 ha. by planting 1034 number of trees additionally, within a period of one year grant of EC. The saplings selected for the plantation should be of sufficient height, preferably 6-ft (about 2m). In addition to this, The budget earmarked for the green belt shall be ₹ 0.5 Crores and shall be kept in separate account and should be audited annually. PP should annually submit the audited statement along with proof of activities viz. photographs (before & after with geolocation date & time), details of the expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.</p>	<p>We have planted 1600 plants additionally and the fund allocated for green belt development is Rs 0.5 Crores will be spent as agreed.</p> <p>Green belt photo attached</p>
2	<p>A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. PP shall engage General Manager- EHS, Senior Vice President - EMS, Manager -EHS, DGM -EHS Maintenance, Senior. Engineer -EHS -Instrumentation, Sr. Manager- - Environmental Monitoring, Asst. Manager-Environmental Monitoring, Associate-EHS and Officer EHS. The Production Head manages the Department of Occupational Health & Safety (OHS) and Operations department. The OHS Department is headed by Safety Officer who is assisted by Manager, Executive Officer. In addition to this one safety & health officer as per the qualification given</p>	<p>We formed a separate management cell comprising under the Head of Director-operations. The following persons will be the members</p> <ol style="list-style-type: none"> 1. General Manager- EHS 2. SVP- EMS 3. Manager - EHS 4. DGM - Maintainance 5. Senior Engineer Instruments 6. Sr Manager - Monitoring and. 7. Asst Manager - Monitoring. <p>Cell details attached</p>

	in Factories Act 1948 shall be engaged within a month of grant of EC. PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.	
3	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented. The budget proposed under EMP is ₹9.5 Crores (Capital cost) and ₹4.1 Crores Recurring cost) shall be kept in separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.	We are complying with the environmental safe guards as agreed. After completing the audit we will submit the auditor report for the expenses incurred. ETP Photo attached
4	The PP reported that Total Water requirement is 408 KLD, of which fresh water requirement of 193.3 KLD will be met from SIPCOT. The PP should ensure that water supply should not be above the permissible limit as mentioned in the letter and fresh water shall be withdrawal only after obtaining valid agreement from Concerned Authority. The PP should submit the details of utilization to the Integrated Regional Office (IRO), MoEF&CC before 1st July of every year for the activities carried out during the previous year.	The total water consumption is less than 408 KLD and the fresh water of 193.3 from SIPCOT SIPCOT agreement attached
5	The PP shall install roof top solar panel of capacity 33 KW, in addition to the existing 15 KW and the total capacity shall be 48 KW.	In addition to the roof top solar panel we will add another 33 KW at the earliest. Photo attached
6	No banned chemicals shall be manufactured by the PP. No banned raw	We are not using or manufacture any

	materials shall be used in the unit. The PP shall adhere to the notifications/guidelines of the Government in this regard.	banned chemicals in the premises.
7	The PP shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	We will adopt any new technology for capturing carbon emission.
8	The PP shall comply with the environment norms for synthetic organic Chemical as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 608(E), dated 21.7.2010 under the provisions of the Environment (Protection) Rules, 1986.	We are complying with the environment norms as notified by the ministry.
9	All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The PP shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996.	All necessary precautions are taken to prevent any accidents. The program will be implemented under the Head of Safety manager and will be implemented as per norms. Mock drill attached
10	The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.	We will control the emission of VOC and regular monitoring will be continued. VOC report attached
11	The PP shall explore possibilities for recycling and reusing of treated water in the unit to reduce the fresh water demand and waste disposal.	We are a ZLD unit and future also we will try for further improving recycling of water
12	As Committed by the PP zero liquid Discharge shall be ensured, Effluent of 224.1 KLD quantity will be treated through Effluent Treatment Plants. STP already installed to treat the entire domestic sewage generated upon expansion shall be operated effectively and efficiently.	Already we have achieved ZLD and will continue for expansion also.
13	A continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas	We have connected the On line continuous stack monitoring

	discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB servers. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	system to Care Air Center SPCB and CPCB on line and being monitored Stack monitoring attached
1 4	The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.	We store the minimum requirement of hazardous chemicals
1 5	The occupational health centre for surveillance of the worker's health already set up shall be maintained effectively. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.	We have created a OHC and will be used effectively and regular check up will be done and record will be maintained.
1 6	Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.	Periodical training being imparted all the employees and norms will be implemented. FIRE & SPILL attached.
1 7	The unit shall make the arrangement for the protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.	We have provided with fire hydrant system and other firefighting system as per the norms.
1 8	The solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	The reactors are connected to a chilled brine condenser system, pumps will have mechanical seals and all the solvents are stored separately. Entire plant will be made flame proof. All solvent storage tanks will be provided with breather valve and all tanks will be connected with vent condenser with chilled brine circulation,
1	The storm water from the roof top shall be	All rain water from

9	channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.	roof top channelized to fire hydrant sump and collection tank and will be reused. Storm water pit attached.
20	The PP shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapor recovery system. (f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation.	We undertake waste minimization by a) Metering for liquid line b) Reused if by-products comes c) All lines automated wherever possible, d)Feed will be taken through closed feed e) Vapour recovery system f) we use high-pressure hose to minimisation of water.

General Conditions

S No	Conditions	Compliance
1	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	We will not go for any expansion without proper permission.
2	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and TransBoundary Movement) Rules, 2016 and other rules	We will strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time. HWA attached

	notified under various Acts.	
3	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	All the lighting are converted into LED base to conserve energy.
4	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	The overall noise level will be maintain within the norms by providing acoustic enclosures, silencers etc., Noise report attached.
5	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	We are contributing to many projects like Education, health, awareness etc., we have incurred Rs. 306.06 lakhs during 2023-24 as a group including our unit III.
6	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.	We will not divert the fund from earmarked areas.
7	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	We are situated in a notified Industrial Estate, hence Public Hearing is exempted. We have sent a copy of the clearance letter to the Hosur Corporation on 02.02.23
8	The project proponent shall also upload/submit six monthly reports on	Regularly we are submitting the Hly

	<p>PARIVESH Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six-monthly compliance status report shall be posted on the website of the company.</p>	<p>reports to IRO Chennai and uploading the data in Parvesh portal.</p>
9	<p>The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted 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 shall also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail.</p>	<p>We are regularly submitting form V to TNPCB.</p>
10	<p>The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.</p>	<p>We have given Public Notice in the Newspapers Dinamani and Indian Express on 06.02.23 about the accordance by MoEF to our unit. Advertisement attached.</p>
11	<p>The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.</p>	<p>Being a expansion project, we have not gone for any financial assistance from any institution, hence not informed to IRO.</p>

12	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.	We will obey the Hon'ble Supreme court if any in future.
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