

**DPM:MINE:PTK(ML-II):MOEF:2022**

23.08.2022

**The Addl .Principal Chief Conservator of Forests(C)**  
Ministry of Environment and Forests and Climate Change  
Regional Office (SEZ),  
Ist and IInd Floor,  
Handloom Export Promotion Council,  
34, Cathedral Garden Road,  
Nungambakkam,  
**Chennai - 34**

Sir,

**Sub:** MoEF First Half Yearly (January 2022 to June 2022) Compliance -Reg  
**Ref:** Environmental Clearance Letter.No:J-11015/366/2005-1A.II(M) dated  
25.01.2006

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With Reference to the above subject, we are herewith submitting the following Annexure in respect of Periathirukonam Limestone Mine (ML-II).

1. Status of Environmental Clearance compliance conditions- (Annexure-1)
2. Environmental Monitoring Reports for the Period January 2022 to June 2022 - (Annexure-2)
3. Social Welfare activities-( Annexure-3)
4. Green Belt Development Details along With Photographs (Annexure-4)

Hence, we request your good office to kindly acknowledge the receipt of the compliance.

Thanking you

**Yours faithfully,**  
**For Dalmia Cement (Bharat) Limited,**

*D. Johnson*  
*23/08/2022*  
**D.Johnson**  
**Mine Manager**

**Encl:** As above

**Dalmia Cement (Bharat) Limited**

Dalmiapuram, District-Trichy-621 651, Tamil Nadu, India  
T 91 4329235123, f 91 4329235111 W www.dalmiacement.com CIN : U65191TN1996PLC 035963  
Registered Office : Dalmiapuram, Dist. Tiruchirapalli, Tamil Nadu - 621 651, India  
A **Dalmia Bharat Group** company, www.dalmiabharat.com

## Annexure - 1

### Compliance Report on Conditions Issued by MOEF on Periathirukonam Limestone Mines (ML – II) vide Lr. No. J.11015/366/2005-IA-II(M) dated 25.01.06

S.No	Conditions	Compliance
<b>A</b>	<b>Specific Conditions</b>	
(i)	The Project proponent should obtain Prior approval of the Central Ground Water Authority (CGWA) for mining below water table.	Approval from the CGWA is obtained. Renewal application submitted to state ground and surface water resource data centre Tharamani, Chennai, which is under active consideration.
(ii)	Topsoil should be stacked properly with proper slope at earmarked site(s) with adequate measures and should be used for reclamation and rehabilitation of mined out areas.	Topsoil mined is being used over the backfilled area above which plantations are being developed.
(iii)	OB should be stacked at earmarked dumpsite(s) only and should not kept active for long period. Proper terracing of OB dump should be carried out so that the overall slope shall not exceed 28 degree. Backfilling should start from 2 <sup>nd</sup> year onwards. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status should be submitted to the Ministry of Environment & Forests on six monthly basis.	OB / Sub grade Limestone is stacked separately. Proper terracing of OB dump is carried out so that the overall slope is not exceeding 28 degree.  Backfilling of the mined out area is in progress and till date about 2 Ha of the land is being backfilled.  Monitoring and management of rehabilitated areas will continue until the vegetation becomes self-sustaining.  Compliance status shall be submitted to the Ministry of Environment & Forests on six monthly basis.
(iv)	Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil, OB and mineral dumps. The water so collected should be utilized for	Garland Drains are formed around the dumps to arrest the silt. All the water collected inside the pit is channelized to the sump. The sump is designed in such a way that

	<p>watering the mine area, roads, green belt development etc. The drains should be regularly desilted and maintained properly.</p> <p>Garland drain (size, gradient &amp; length) and sump capacity should be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits should be constructed at the corners of the garland drains.</p>	<p>safety margin over the previous rainfall data. The rainwater &amp; seepage water collected in the mine sump is allowed to settle in the sump. Hence the mine sump acts as a settling tank.</p> <p>The water collected inside the pit is used for haul roads/greenbelt development</p>
(v)	Dimension of the retaining wall at the toe of dumps and OB benches within the mine to check run-off and siltation should be based on the rain fall data.	Garland drainage to check run off water is formed.
(vi)	Drills should be wet operated or with dust extractors.	Drill fitted with water mist system is deployed
(vii)	Blasting operation should be carried out only during daytime. Controlled blasting should be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented.	Blasting is carried out with Non electric shock tubes to reduce the noise and ground vibrations. Blasting will not be carried out during the night time.
(viii)	Crusher should be operated with high efficiency bag filters. Water sprinkling system should be provided to check fugitive emissions from crushing operations, haulage roads, transfer points, etc.	Crusher is situated at the plant site located at 32 Kms away from the mines. The crusher is operated with bag filters to arrest the fugitive dust emissions from crushing operations, haulage roads, transfer points etc.,
(ix)	Water sprinkling arrangements to control the fugitive dust generation from the haulage roads and to the crusher should be provided.	Water sprinkling on haul roads is done regularly to suppress the dust.
(x)	Measures shall be taken for maintenance of vehicles used in	Proper periodical maintenance practice is being followed for

	mining operations and in transportation of mineral ore. The vehicles should be covered with tarpaulin and should not be overloaded.	equipment and tippers used in mining operations. The transportation vehicles are loaded upto the body level and covered with tarpaulin during the transport.
(xi)	Progressive Mine Closure Plan shall be implemented to backfill and reclaim an area of 14.69 ha. The higher benches of the balance excavated void/mine pit comprising an area of 17.56 ha, which will be converted into a water reservoir, shall be terraced and plantation done to stabilize the slopes. Peripheral fencing shall be done along the excavated area.	The mined out area is backfilled in a phased manner as per the approved mining plan. Till date about 5.55 ha is backfilled and plantations are developed over that. Backfilling will be carried out as per approved mining plan.  At the end of mine life, the remaining portion of the mined out area will be converted into a water storage reservoir. Fencing will be done around the excavated area
(xii)	Plantation should be developed in an area of 24.505 ha. by planting the native species around the ML boundary, OB dumps, roads and undisturbed area etc., in consultation with the local DFO/Agriculture department. The density of the trees should be around 2000 plants per hectare.	Plantation is developed all along the ML boundary and roads.
(xiii)	A final mine closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years prior to closure of mine for approval of the ministry.	Not applicable at this stage
(xiv)	Consent to operate should be obtained from State Pollution Control Board expanding mining activities.	Consent to Operate obtained from State Pollution Control Board.
<b>B</b>	<b>General Conditions</b>	
(i)	No change in technology and scope of working should be made without prior approval of the Ministry of Environment &	Mechanised method of Mining is followed and there is no change in mining technology.

	Forests.	
(ii)	No change in the calendar plan including excavation, quantum of limestone, waste / OB dumps should be made.	The quantity of limestone is restricted as per the plan.
(iii)	Conservation measures for protection of flora and fauna in the core & buffer zone should be drawn up in consultation with the local forest department and experts.	The flora & fauna study was conducted and the conservation measures is carried out.
(iv)	Ambient air quality-monitoring stations should be established in the core zone as well as buffer zone for SPM and RPM monitoring. Location of the ambient air quality stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and the frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	Ambient Air quality readings are taken from the stations already established in the core zone and buffer zone as per our REIA/EMP approved by your office.
(v)	Data on air quality should be regularly submitted to the Ministry including its Regional Office at Bangalore and the State Pollution Control Board / Central Pollution Control Board once in six months.	The season wise data on ambient air quality collected are submitted to the MoEF, Regional Office at Bangalore and the State Pollution Control Board once in six months
(vi)	Adequate measures for control of fugitive emissions should be undertaken such as water spraying arrangements on haul roads, loading and unloading points and transportation of minerals, etc. Fugitive dust emissions from all sources should be regularly monitored and data recorded properly.	Drills are operated with water mist system for dust suppression.  Water sprinkling is being done on haul roads regularly. Dust emission is monitored every fortnightly and data maintained.  Vehicles carrying Limestone were covered with tarpaulin to prevent the dust from being airborne.

(vii)	Adequate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in blasting and drilling operations, operations of HEMM etc., should be provided with ear plugs/muffs.	Noise level is maintained well below 85 dBA. Periodical monitoring is carried out by TNPCB on yearly basis. Persons are provided with PPE.
(viii)	Industrial waste water (workshop and wastewater from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19 <sup>th</sup> May 1993 and 31 <sup>st</sup> December 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of effluents from the Workshop.	The workshop water is properly collected in the up flow filters before discharge, in order to trap the oil and grease in the effluent. The water is then used for afforestation purposes.
(ix)	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. Occupational health surveillance programme of the workers should be undertaken periodically and corrective measures taken, if required.	All our mine employees are provided with protective equipment such as dust mask, earplugs, shoes, helmets etc. Periodical Medical Examination is done for all our Mine employees regularly. Training on Safety and Health aspects is given at regular intervals for all our Mine Employees as per Mines Vocational training Rules 1966.
(x)	The funds earmarked for environmental protection measures should be kept in separate account and not diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment & Forests.	The fund earmarked from the Company will be spent for the Environmental Protection measures only.
(xi)	The project authorities should inform to the Regional Office located at Bangalore regarding date of financial closures and final approval of the project by the	The final approval of the project was informed to the MoEF, Regional Office at Bangalore.

	concerned authorities and the date of start of land development work.	The fund required for the project was managed from the resources internally from the company. Hence the date of Financial Closure is not applicable.
(xii)	The Regional Office of this Ministry located at Bangalore shall monitor compliance of the stipulated environmental conditions. The project authorities should extend full co-operation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	-
(xiii)	A copy of the clearance letter should be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.	A copy of the clearance letter was given to Panchayat as advised.
(xiv)	The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the Collector's/Tahsildar's office for 30 days.	-
(xv)	The Project authorities should advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within 7 days of issuance 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 may also be seen at web site of the Ministry of Environment & Forests at <a href="http://envfor.nic.in">http://envfor.nic.in</a> .	The Advertisement was given in two local newspapers as advised by you and the copy of the same was submitted to your Regional office.

**Annexure - 2**

<b><u>PERIATHIRUKONAM LIMESTONE MINES (ML - 2)</u></b>					
<b>(General condition No. B (iv) of environmental clearance letter No. J.11015/366/2005-IA-II(M) dated 25.01.2006)</b>					
<b><u>AIR QUALITY - PERIATHIRUKONAM LIMESTONE MINES FIRST HALF YEARLY REPORT</u></b>					
<b>(January 2022 to June 2022)</b>					
<b>Abstract of Ambient Air quality data for the period January 22 to March 22</b>					
Station Name	PM - 2.5 ( $\mu\text{g}/\text{m}^3$ )	PM - 10 ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	CO ( $\mu\text{g}/\text{m}^3$ )
No. of Observations	8	8	8	8	8
Periathirukonam Limestone Mines	51.43	20.37	6.11	16.25	< 114.5
Elleri Village	49.15	19.43	6.33	15.69	< 114.5
Idaiyattankudi Village	40.98	16.11	5.78	12.97	< 114.5
Chetti Tirukonam Village	39.69	15.59	5.97	12.61	< 114.5
Ottakovil Village	38.57	15.28	5.54	12.80	< 114.5
Kallakudi Village	45.36	17.77	6.15	14.38	< 114.5
Poyyur Village	53.19	20.78	6.60	16.86	< 114.5
Pudupalaiyam Village	50.52	19.85	5.97	16.43	< 114.5
NAAQ - Norms	60	100	80	80	2000
<b>Abstract of Ambient Air quality data for the period Oct 21 to Dec 21</b>					
Station Name	PM - 2.5 ( $\mu\text{g}/\text{m}^3$ )	PM - 10 ( $\mu\text{g}/\text{m}^3$ )	SO <sub>2</sub> ( $\mu\text{g}/\text{m}^3$ )	NO <sub>x</sub> ( $\mu\text{g}/\text{m}^3$ )	CO ( $\mu\text{g}/\text{m}^3$ )
No. of Observations	8	8	8	8	8
Periathirukonam Limestone Mines	53.59	21.06	6.53	17.28	< 114.5
Elleri Village	50.7	19.74	6.36	16.33	< 114.5
Idaiyattankudi Village	43.18	17.04	5.83	13.93	< 114.5
Chetti Tirukonam Village	43.44	17.04	6.18	13.93	< 114.5
Ottakovil Village	41.78	16.52	5.78	13.35	< 114.5
Kallakudi Village	47.42	18.6	6.07	15.29	< 114.5



Poyyur Village	57.52	22.65	6.83	18.46	< 114.5
Pudupalaiyam Village	53.04	20.89	6.36	17.04	< 114.5
NAAQ - Norms	60	100	80	80	2000



**Electrical items Sponsored to Anganwadi School**  
**Edayathankudi village**



Photographs and News coverage of 50 in no. 02 filled  
Cylinders handed over to DC & MLA, ARY 26.5.21



UH Donating 50 in no. O2 Cylinders to Dean GMCH,Ariyalur in the presence of DC & MLA, Ariyalur



50 O2 cylinders for dispatch to GH's at ARY

News clip in Vasantham TV - 26.5.21



Tamil Naan Idhal - News paper 26.5.21



Vanakkam India - Newspaper 27.5.21



Dina Malar - News Paper 27.5.21



The Hindu - News Paper 27.5.21



Dinashangu NaanIdhal Newspaper - 27.5.21



Tamil Naan Idhal Newspaper 27.5.21



மாலைமுரசு நாளிதழைப் படிக்க சோலையில் உள்ள மாலைமுரசு நாளிதழை அங்குள்ள அலுவலகம் அல்லது அங்குள்ள அலுவலகம் அல்லது அங்குள்ள அலுவலகம்...

### டால்மிலா சிமென்ட் நிறுவனம் சார்பில் ரூ.15 லட்சம் மதிப்பில் 50 ஆக்சிஜன் சிலிண்டர்கள் கவலக்டர் தரணாவிடம் வழங்கினார்



அரியலூர் மே.27 அரியலூர் மாவட்ட கமிஷனர் அலுவலகத்தில் கோவிட்-19 பெருந்தொற்று நோயின் பரவலைத் தடுக்க இலட்சக்கணக்கில் தேவையான பண்படுத்தப்பட்ட டால்மிலா சிமென்ட் நிறுவனம் சார்பில் ரூ.15 லட்சம் மதிப்பில் 50 ஆக்சிஜன் சிலிண்டர்கள் கவலக்டர் தரணாவிடம் (05.11.2021) வழங்கினார். இத்தகவலை அரியலூர் சட்டமன்ற உறுப்பினர் குமார்சாமி முருகியன் தெரிவித்தார். இத்தகவலை அரியலூர் கோவிட்-19 பெருந்தொற்று நோயின் பரவலைத் தடுக்க இலட்சக்கணக்கில் தேவையான பண்படுத்தப்பட்ட டால்மிலா சிமென்ட் நிறுவனம் சார்பில் ரூ.15 லட்சம் மதிப்பில் 50 ஆக்சிஜன் சிலிண்டர்கள் கவலக்டர் தரணாவிடம் (05.11.2021) வழங்கினார். இத்தகவலை அரியலூர் சட்டமன்ற உறுப்பினர் குமார்சாமி முருகியன் தெரிவித்தார். இத்தகவலை அரியலூர் கோவிட்-19 பெருந்தொற்று நோயின் பரவலைத் தடுக்க இலட்சக்கணக்கில் தேவையான பண்படுத்தப்பட்ட டால்மிலா சிமென்ட் நிறுவனம் சார்பில் ரூ.15 லட்சம் மதிப்பில் 50 ஆக்சிஜன் சிலிண்டர்கள் கவலக்டர் தரணாவிடம் (05.11.2021) வழங்கினார். இத்தகவலை அரியலூர் சட்டமன்ற உறுப்பினர் குமார்சாமி முருகியன் தெரிவித்தார். இத்தகவலை அரியலூர் கோவிட்-19 பெருந்தொற்று நோயின் பரவலைத் தடுக்க இலட்சக்கணக்கில் தேவையான பண்படுத்தப்பட்ட டால்மிலா சிமென்ட் நிறுவனம் சார்பில் ரூ.15 லட்சம் மதிப்பில் 50 ஆக்சிஜன் சிலிண்டர்கள் கவலக்டர் தரணாவிடம் (05.11.2021) வழங்கினார். இத்தகவலை அரியலூர் சட்டமன்ற உறுப்பினர் குமார்சாமி முருகியன் தெரிவித்தார்.



NEWS NOW TAMIL NADU 8 மது தமிழகம் உள்ளே குரல்

### அரியலூர் மாவட்ட ஆட்சியர் அலுவலக வளாகத்தில் கோவிட்-19 பெரும் தொற்றினால் பாதிக்கப்பட்டு ஆக்சிஜன் தேவைப்படும் நோயாளிகளுக்கு சிகிச்சையளிக்க வகையில் டால்மிலா சிமென்ட் நிறுவனம் சார்பில் அரசு மருத்துவக் கல்லூரி பயன்பாட்டிற்காக 50 ஆக்சிஜன் சிலிண்டர்களை மாவட்ட ஆட்சியர் ரத்னா வழங்கினார். இந்தநிகழ்வில் அரியலூர் சட்டமன்ற உறுப்பினர் சின்னப்பா,வாரணவாசி ஊராட்சி மன்ற தலைவர் ராஜேந்திரன் உள்ளிட்டோர் உடனிருந்தனர்

தமிழர்களுக்கான மின்னல் வேக இணைய செய்தித் தளம்!

26-05-2021 NEWS NOW TAMIL NADU 8 மது தமிழகம் உள்ளே குரல்

www.newsnowtamilnadu.com

Dina Bhoomi News paper - 27.5.21

News Now Channel - 26.5.21



Maalai Murasu Newspaper - 28.5.21

MAALAI MALAR (கனாக்கிப்பரை) 6 பக்கம் 500 ரூ. டால்மிலா சிமென்ட் நிறுவனம் சார்பில் ரூ.15 லட்சம் மதிப்பில் 50 ஆக்சிஜன் சிலிண்டர்கள் அரியலூர் கவலக்டர் தரணாவிடம் வழங்கப்பட்டது

Maalai Malar Newspaper - 28.05.21

## Annexure-4

<b>Details of Green Belt for Periathirukonam Limestone Mines (ML-2)</b>				
<b>Year</b>	<b>No of Saplings</b>		<b>Extent(Ha)</b>	
	<b>Within lease area</b>	<b>Outside lease area</b>	<b>Within lease area</b>	<b>Outside lease area</b>
Total as on 31.03.2021	4739	1992	4.26	1.83
April 21 to Dec 21	2600	0	2.00	0
<b>Total</b>	<b>7339</b>	<b>1992</b>	<b>6.26</b>	<b>1.83</b>

### AFFORESTATION IN PERIATHIRUKONAM LIMESTONE MINES ML – 2



