

**CHETTINAD CEMENT CORPORATION PRIVATE LIMITED,**

**SEETHAI NAGAR LIMESTONE MINES, GO.81**

Alambai, Mallapuram and Karikkali Village, Dindigul District, Tamilnadu - 624703

**Compliance of Conditions For Seethai Nager Mines GO.81, Consent Order Issued By TNPCB**

**Under Water Act Consent Order No.170518839681 Dated: 01.06.2017**

**SPECIAL CONDITIONS**

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1	<p>This consent to operate is valid for operating the facility for the manufacture of products (Col.2) at the rate (col.3) mentioned below. Any change in the product its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.</p> <table><tr><th>Sl. No</th><th>Description</th><th>Quantity</th><th>Unit</th></tr><tr><td colspan="4">Product details</td></tr><tr><td>1.</td><td>Mining of limestone over an area of 251.59 Hec</td><td>3.00</td><td>MTPA (Million Tons / Annum)</td></tr><tr><td colspan="4">By- Product details</td></tr><tr><td>1.</td><td>Nil</td><td>0</td><td>NA</td></tr><tr><td colspan="4">Intermediate Product details</td></tr><tr><td>1.</td><td>NIL</td><td>0</td><td>NA</td></tr></table>	Sl. No	Description	Quantity	Unit	Product details				1.	Mining of limestone over an area of 251.59 Hec	3.00	MTPA (Million Tons / Annum)	By- Product details				1.	Nil	0	NA	Intermediate Product details				1.	NIL	0	NA	<p><i>There is no change in the product / production capacity mentioned in the consent order.</i></p> <p><i>If any change in the product / production capacity will be brought to the notice of the Board and fresh consent will be obtained.</i></p>
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2	<p>This consent to operate is valid for operating the facility with the below mentioned permitted outlets for the discharge of sewage / trade effluent. Any change in the outlets and the quantity has to be brought to the notice to the Board and fresh consent has to be obtained.</p> <table><tr><th>Out let No.</th><th>Description of Outlet</th><th>Maximum Discharge (in KLD)</th><th>Point of Disposal</th></tr><tr><td colspan="4">Effluent Type : Sewage</td></tr><tr><td>1</td><td>Sewage</td><td>8.0</td><td>On Industry own land</td></tr><tr><td colspan="4">Effluent Type : Trade Effluent</td></tr><tr><td></td><td>NIL</td><td></td><td></td></tr></table>	Out let No.	Description of Outlet	Maximum Discharge (in KLD)	Point of Disposal	Effluent Type : Sewage				1	Sewage	8.0	On Industry own land	Effluent Type : Trade Effluent					NIL			<p><i>No change in the effluent generation and point of disposal.</i></p>								
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3.	<p>The effluent discharge shall not contain constituents in excess of the tolerance Limits</p>	<p><i>There is no generation of any industrial effluent from the mines. The domestic sewage (Toilet &amp; Urinal flush) is being treated in the septic tank followed by dispersion trench. The same is being used for green belt development.</i></p>																												
4.	<p>All units of the sewage and Trade effluent treatment plants shall be operated efficiently and continually so as to achieve the standards prescribed by Board or to achieve the zero discharge of effluent as applicable.</p>	<p><i>There is no generation of any industrial effluent from the mines. The domestic sewage (Toilet &amp; Urinal flush) is being treated in the septic tank followed by dispersion trench. The same is being used for green belt development.</i></p>																												

S. No	Special Conditions	Status of Compliance
5.	<p>The occupier shall maintain the Electro Magnetic Flow meters / water Meters installed at the inlet of the water supply connection for each of the purpose mentioned below for assessing the quantity of water used and ensuring that such meters are easily assessable for inspection and maintenance and for other purposes of the Act.</p> <ol style="list-style-type: none"> <li>Industrial Cooling, Spraying in mines pits or boiler feed.</li> <li>Domestic purpose.</li> <li>Process.</li> </ol>	<p><i>Complied</i>  <i>In mines, water is being used for dust suppression &amp; domestic uses only. However, the separate water Flow meters were provided at main water supply lines.</i></p> <p><i>The same were easily accessible for inspection, maintenance and other purposes. There is no tapping before the water flow meters will be taken for any purpose.</i></p>
6.	The occupier shall maintain the Electro Magnetic Flow Meters with computer recording arrangement for measuring the quantity of effluent generated and treated for the monitoring purposes of the Act.	<p><i>Complied</i>  <i>In mines, water is being used for dust suppression &amp; domestic uses only. However, the separate water Flow meters were provided at main water supply line.</i></p>
7.	Log book for each of the unit operations of ETP have to be maintained to reflect the working condition of ETP along with the reading of the Electro Magnetic Flow Meters installed to assess effluent quantity and the same shall be furnished for verification of the Board Officials during inspection.	<p><i>Not Applicable</i></p> <p><i>There is no generation of any industrial effluent from the mines</i></p>
8.	The occupier shall at his own cost get the samples of effluent / surface water / ground water collected in and around the unit by Board officials and analyzed by the TNPCB Board Laboratory periodically.	<p><i>Complied</i>  <i>Periodically, Surface water (mine pits water) and ground water (5 locations) at various locations is being collected and analyzed.</i></p>
9.	Any upset condition in any of the Plants of the factory which is, likely to result in increase effluent discharge and result in violation of the standards mentioned in Sl. No.3 above shall be reported to the Member Secretary / Joint Chief Environmental Engineer - Monitoring and the concerned District / Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.	<p><i>Not Applicable</i></p> <p><i>There is no generation of any industrial effluent from the mines</i></p>
10	The occupier shall always comply and carryout the order/ directions issued by the Board in this Consent Order and from time to time without any negligence. The occupier shall be liable for action as per provisions of the Act in case of non compliance of any order / directions issued.	<i>Guidelines noted.</i>
11.	The occupier shall develop adequate width of green belt at the rate of 400 numbers of trees per Hectare.	<p><i>Complied</i>  <i>Greenbelt is being developed in and around mines area.</i></p> <p><i>So far, 14734 Saplings have been planted over an area of 10.69 ha. @1378 trees per Hectare.</i></p>
12.	The occupier shall provide and maintain rain water harvesting facilities.	<i>Rain water harvesting measures like catch drains / garland drains had been provided to divert and collect the rainwater in the mined out pits (total catchment area 26,22,380m<sup>3</sup>)</i>

S. No	Special Conditions	Status of Compliance
		<i>The entire water requirement for Cement plant, Power plant, colony, dust suppression and Green belt development are being met out from harvested rainwater only.</i>
13.	The occupier shall ensure that there shall not be any discharge of effluent either treated or untreated into storm water drain at any point of time.	<i>Not Applicable There is no generation of any industrial effluent from the mines</i>
14	<p>In the case of Zero liquid discharge of effluent units, the occupier shall adhere the following conditions as laid under.</p> <p>i). The occupier shall ensure zero liquid discharge of effluent, thereby no discharge of untreated / treated effluent on land or into any water bodies either inside or outside the premises at any point of time.</p> <p>ii). The occupier shall operate and maintain the Zero liquid discharge treatment components comprising of Primary, Secondary and tertiary treatment systems at all times and ensure that the RO permeate / Evaporate condensate shall be recycled in the process and the final RO reject shall be disposed off with the reject management system ensuring zero liquid discharge of effluents in the premises.</p> <p>iii). The occupier shall operate and maintain the reject management system effectively and recover the salt from the system which shall be reused in the process if reusable or shall be disposed off as ETP sludge.</p> <p>iv). In case of failure to achieve zero discharge of effluents for any reason, the occupier shall stop its production and operations forthwith and shall be reported to the Member Secretary / Joint Chief Environmental Engineer-Monitoring and the concerned District/Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by post with full details of such upset conditions.</p> <p>v). The occupier shall restart the production only after ascertaining that the Zero discharge treatment system can perform effectively for achieving zero discharge of effluents.</p>	<p><i>Not Applicable</i></p> <p><i>There is no generation of any industrial effluent from the mines</i></p>

#### ADDITIONAL CONDITIONS

S. No	Additional Conditions	Status of Compliance
1	In case of revision of consent fee by the Government, the unit shall remit the difference in amount within one month from the date of notification, failing to remit the consent fee, this consent order will be withdrawn without any notice and further action will be initiated against the unit as per law.	<i>Guidelines noted.</i>

## GENERAL CONDITIONS

S. No	General Conditions	Status of Compliance
1	The occupier shall make an application along with the prescribed consent fee for grant of renewal of consent at least 60 days before the date of expiry of this Consent Order along with all the required particulars ensuring that there is no change in Production quantity and change in sewage / Trade effluent.	<i>Guidelines noted.</i>
2	This Consent is issued by the Board in consideration of the Particulars given in the application. Any change or alternation or deviation made in actual practice from the particulars furnished in the application will also be ground for review/variation / revocation of the Consent Order under Section 27 of the Act and to make such variation as deemed fit for the purpose of the Act.	<i>Guidelines noted.</i>
3	The consent conditions imposed in this order shall continue in force until revoked under Section 27(2) of the Act.	<i>Guidelines noted.</i>
4	After the issue of this order, all the 'Consent to Operate' orders issued previously under Water (Prevention and Control of Pollution) Act, 1974 as amended stand defunct.	<i>Guidelines noted.</i>
5	The occupier shall maintain an Inspection Register in the factory so that the inspecting officer shall record the details of the observations and instructions issued to the units at the time of inspection for adherence.	<i>Complied</i>
6	The occupier shall provide and maintain an alternate power supply along with separate energy meter for the Effluent Treatment Plant sufficient to ensure continuous operation of all pollution control equipments to maintain compliance.	<i>Not Applicable</i>  <i>There is no generation of any industrial effluent from the mines</i>
7	The occupier shall provide all facilities to the Board officials for inspection and collection of samples in and around the factory at any time.	<i>Being complied with</i>
8	The occupier shall display the flow diagram of the sources of effluent generation and pollution control systems provided at the ETP site.	<i>Not Applicable</i>  <i>There is no generation of any industrial effluent from the mines</i>
9	The solid waste such as sweepings, wastage, package, empty containers, residues, sludge including that from air pollution control equipments collected within the premises of the industrial plant shall be collected in an earmarked area and shall be disposed off properly.	<i>Being Complied with</i>
10	The occupier shall collect, treat the solid wastes like food waste, green waste generated from the canteen and convert into organic compost.	<i>Being Complied with</i>
11	The occupier shall segregate the Hazardous waste from other solid wastes and comply in accordance with Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008.	<i>Not Applicable</i>  <i>There is no generation of any Hazardous Waste from the mines</i>
12	The occupier shall maintain good house –keeping within the factory premises.	<i>Being Complied with</i>

S. No	General Conditions	Status of Compliance
13	All pipes, valves, sewers and drains shall be leak proof. Floor washing shall be admitted into the trade effluent collection system only and shall not be allowed to find their way in storm drains or open areas.	<i>Not Applicable</i>  <i>There is no generation of any industrial effluent from the mines</i>
14	The occupier shall ensure that there shall not be any diversion or by-pass of trade effluent on land or into any water sources.	<i>Not Applicable</i>  <i>There is no generation of any industrial effluent from the mines</i>
15	The occupier shall ensure that solar Evaporation pans shall be constructed in such a way that the bottom of the solar pan is at least 1 m above the Ground level (if applicable)	<i>Not Applicable</i>  <i>There is no generation of any industrial effluent from the mines</i>
16	The occupier shall furnish the following returns in the prescribed formats to the concerned District office regularly. a) Monthly water consumption returns of each of the purpose with water meter reading in Form-I on or before 5 <sup>th</sup> of every month. b) Yearly return on Hazardous wastes generated and accumulated for the period from 1 <sup>st</sup> April to 31 <sup>st</sup> march in Form-4 before the end of the subsequent 30 <sup>th</sup> June of every year(if applicable) c) Yearly Environmental Statement for the period from 1 <sup>st</sup> April to 31 <sup>st</sup> March in Form –V before the end of the subsequent 30 <sup>th</sup> September of every year (if applicable)	<i>Being Complied with</i>
17	If applicable, the occupier has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures /plants and properties while handling and storage of hazardous substances.	<i>Not Applicable</i>  <i>There is no handling and storage of hazardous substance in the mines</i>
18	The issuance of this consent does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any natural watercourse or in Government Poromboke lands.	<i>Guidelines noted.</i>
19	The issuance of this Consent does not convey any property right in either real personal property or any exclusive privileges, not does it authorize any injury to private property or Government property or any invasion of personal rights not any infringement of Central, State laws or regulation.	<i>Guidelines noted.</i>
20	The occupier shall forth with keep the Board informed of any accident of unforeseen act or event of any poisonous, noxious or polluting matter or emissions are being discharged into stream or well or air as result of such discharge, water or air is being polluted	<i>Guidelines noted.</i>

S. No	General Conditions	Status of Compliance
21	If due to any technological improvements of otherwise the Board is of opinion that all or any of the conditions referred to above requires variation (including the changes of any treatment system, either in whole or in part) the Board shall, after giving the applicant an opportunity of being heard, vary all or any of such conditions and thereupon the applicant shall be bound to comply with the conditions as so varied.	<i>Guidelines noted.</i>
22	In case there is any change in the constitution of the management, the occupier of the new management shall file fresh application under Water (Prevention and Control of Pollution) Act, 1974, as amended in Form-II along with relevant documents of change of management immediately and get the necessary amendment with renewal of consent order.	<i>Guidelines noted.</i>
23	In case there is any change in the name of the company alone, the occupier shall inform the same with relevant documents immediately and get the necessary amendments for the changes of name from the Board.	<i>Guidelines noted.</i>
24	The occupier shall display this consent order granted to him in a prominent place for perusal of the inspecting Officers of this Board.	<i>Being Complied with</i>

**Compliance of conditions for Seethaai Nagar Mines, GO.81 consent order issued by TNPCB under**

**Air Act Consent order no. 170528839681 dated: 01.06.2017**

**SPECIAL CONDITIONS**

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1	<p>This consent to operate is valid for operating the facility for the manufacture of products (Col.2) at the rate (col.3) mentioned below. Any change in the product its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.</p> <table><tr><th>Sl. No</th><th>Description</th><th>Quantity</th><th>Unit</th></tr><tr><td colspan="4">Product details</td></tr><tr><td>1.</td><td>Mining of limestone over an area of 251.59 Hec</td><td>3.00</td><td>MTPA (Million Tons / Annum)</td></tr><tr><td colspan="4">By- Product details</td></tr><tr><td>1.</td><td>Nil</td><td>0</td><td>NA</td></tr><tr><td colspan="4">Intermediate Product details</td></tr><tr><td>1.</td><td>NIL</td><td>0</td><td>NA</td></tr></table>	Sl. No	Description	Quantity	Unit	Product details				1.	Mining of limestone over an area of 251.59 Hec	3.00	MTPA (Million Tons / Annum)	By- Product details				1.	Nil	0	NA	Intermediate Product details				1.	NIL	0	NA	<p><i>There is no change in the product / production capacity mentioned in the consent order.</i></p> <p><i>If any change in the product / production capacity will be brought to the notice of the Board and fresh consent will be obtained.</i></p>
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2	This consent to operate is valid for operating the facility with the below mentioned emission / noise sources along with the control measures and / or stack. Any changes in the emission sources / control measures / changes in stack height has to be brought to the notice of the Board and fresh consent / Amendment has to be obtained	<i>There is no change in the stack height and control measures mentioned in the consent order.</i>  <i>If any change in stack height and control measures will be brought to the notice of the Board and fresh consent will be obtained.</i>
3(a)	The emission shall not contain constituents in excess of the tolerance limits	<i>Being complied with</i>
3(b)	The Ambient Air in the industrial plant area shall not contain constituents in excess of the tolerance limits prescribed by Board	<i>Being complied with</i>
4	All units of the Air pollution control measures shall be operated efficiently and continuously so as to achieve the standards prescribed in Sl.No.3 above,	<i>All Air Pollution Control Equipment to control the emission levels are in place.</i>
5	The occupier shall not change or alter quality or quantity or the rate of emission or replace or alter the air pollution control equipment or change the raw material or manufacturing process resulting in change in quality and / or quantity of emissions without the previous written permission of the Board.	<i>Guidelines noted</i>
6	The occupier shall maintain log book regarding the stack monitoring system or operation of the plant or any other particulars for each of the unit operations of air pollution control systems to reflect the working condition which shall be furnished for verification of the Board officials during inspection.	<i>Being complied with</i>
7	The occupier shall at his own get the samples of emission / air /noise levels collected and analyzed by TNPCB Laboratory once in every 6 month / once in a year / periodically for the parameters as prescribed.	<i>Complied</i> <i>Once in six month, AAQ and Noise emission monitoring is being carried out by TNPCB laboratory, Dindigul. The AAQ reports are enclosed vide annexure 4.</i>
8	Any upset condition in any of the plants of the factory which is likely to result in increased emissions and result in violation of the standards mentioned in Sl.No.3 shall be reported to the Member Secretary / Joint Chief Environmental Engineer – Monitoring and the concerned District / Assistant Environmental Engineer of the Board by e-mail immediately and subsequently by Post with full details of such upset condition.	<i>Guidelines noted</i>
9	The occupier shall always comply and carryout the order / directions issued by the Board in this Consent Order and from time to time without any negligence. The occupier shall be liable for action as per provisions of the Act in case of non compliance of any order / directions issued.	<i>Guidelines Noted</i>

**Additional Conditions**

Sl. No	Additional Conditions	Status of Compliance
1	The unit shall operate and maintain the APC measures efficiently and continuously so as to adhere to the AAQ / Emission Standards prescribed by the Board.	<i>Complied</i> <i>Air pollution control measures such as water sprinkling system have been provided to control pollutants and satisfy the standards prescribed by Tamil Nadu Pollution Control Board.</i>
2	The unit shall operate and the water sprinklers effectively to suppress the dust generated during mining, crushing and vehicle movements.	<i>Complied</i> <i>The crushed lime stone is being conveyed to cement plant through closed conveyor. The transport trucks used are leak proof and properly covered with tarpaulin to prevent the fugitive emission.</i>
3	The haul roads in the mines shall be adequately water sprayed.	<i>Complied</i> <i>Water sprinkling arrangement provided to control the fugitive emission in haul roads in the mines.</i>
4	In case of revision of consent fee by the Government, the unit shall remit the difference in amount within one month from the date of notification, failing to remit the consent fee, the consent order will be withdrawn without any notice and further action will be initiated against the unit as per law.	<i>Guidelines noted.</i>

**GENERAL CONDITIONS**

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1	The occupier shall make an application along with the prescribed consent fee for grant of renewal of consent at least 60 days before the date of expiry of this Consent Order along with all the required particulars ensuring that there is no change in Production quantity and emission	<i>Being complied with</i>
2	This Consent is issued by the Board in consideration of the Particulars given in the application. Any change or alternation or deviation made in actual practice from the particulars furnished in the application will also be ground for review/variation / revocation of the Consent Order under Section 27 of the Act and to make such variation as deemed fit for the purpose of the Act.	<i>Guidelines noted.</i>
3	The consent conditions imposed in this order shall continue in forces until revoked under Section 27(2) of the Act.	<i>Guidelines noted.</i>
4	After the issue of this order, all the 'Consent to Operate' orders issued previously under Air (Prevention and Control of Pollution) Act, 1981 as amended stands defunct.	<i>Guidelines noted.</i>
5	The occupier shall maintain an Inspection Register in the factory so that the inspecting officer shall record the details of the observations and instructions issued to the units at the time of inspection for adherence.	<i>Complied</i>



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6	The occupier shall provide and maintain an alternate power supply along with separate energy meter for the Air Pollution Control measures sufficient to ensure continuous operation of all pollution control equipments to maintain compliance.	<i>Being complied with</i>
7	The occupier shall provide all facilities to the Board officials for inspection and collection of sampled in and around the factory at any time.	<i>Being complied with</i>
8	The occupier shall display the flow diagram of the sources of emission and pollution control system provided at the site.	<i>Complied</i>
9	The liquid effluent arising out of the operation of the air pollution control equipment shall also be treated in a manner and to the satisfaction of standards prescribed by the Board in accordance with the provisions of water (Prevention and Control of pollution) Act, 1974 as amended.	<i>Not Applicable</i>  <i>There is no generation of any industrial effluent from the mines</i>
10	The air pollution control equipments, location of inspection chambers and sampling port holes shall be made easily accessible at all time.	<i>Complied</i> <i>Port holes, access – platform and electrical outlet points for collecting samples of emission have been provided for other sources of emission</i>
11	In case of any episodal discharge of emission, the industry shall take immediate action to bring down the emission within the limits prescribed by the Board.	<i>Guidelines noted.</i>
12	If applicable, the occupier has to comply with the provisions of Public Liability Insurance Act, 1991 to provide immediate relief in the event of any hazard to human beings, other living creatures /plants and properties while handling and storage of hazardous substances.	<i>Not Applicable</i>  <i>There is no generation of any Hazardous Waste from the mines</i>
13	The issuance of this consent does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any natural watercourse or in Government Poromboke lands.	<i>Guidelines noted.</i>
14	The issuance of this Consent does not convey any property right in either real personal property or any exclusive privileges, not does it authorize any injury to private property or Government property or any invasion of personal rights not any infringement of Central, State laws or regulation.	<i>Guidelines noted.</i>
15	The occupier shall forth with keep the Board informed of any accident of unforeseen act or event of any poisonous, noxious or polluting matter or emissions are being discharged into stream or well or air as result of such discharge, water or air is being polluted	<i>Guidelines noted.</i>
16	If due to any technological improvements of otherwise the Board is of opinion that all or any of the conditions refereed to above requires variation (including the changes of any treatment system, either in whole or in part) the Board shall, after giving the applicant an opportunity of being heard, vary all or any of such conditions and thereupon the applicant shall be bound to comply with the conditions as so varied.	<i>Guidelines noted.</i>

Sl. No	General Conditions	Status of Compliance
17	In case there is any change in the constitution of the management, the occupier of the new management shall file fresh application under Air (Prevention and Control of Pollution) Act, 1981, as amended in Form-I along with relevant documents of change of management immediately and get the necessary amendment with renewal of consent order.	<i>Guidelines noted.</i>
18	In case there is any change in the name of the company alone, the occupier shall inform the same with relevant documents immediately and get the necessary amendments for the changes of name from the Board.	<i>Guidelines noted.</i>
19	The occupier shall display this consent order granted to him in a prominent place for perusal of the inspecting officers of this Board	<i>Being Complied with</i>

for CHETTINAD CEMENT CORPORATION PRIVATE LIMITED

*V. Krishnan*

V.KRISHNAN  
SENIOR VICE PRESIDENT [WORKS]

Date : 10.07.2020

