

Category of the Industry :

RED



CONSENT ORDER NO. 2205244732167 DATED: 29/06/2022.

PROCEEDINGS NO.T4/TNPCB/F.1079ARY/RL/ARY/A/2022 DATED: 29/06/2022

SUB: Tamil Nadu Pollution Control Board –CONSENT TO OPERATE –DIRECT -M/s. TAMILNADU CEMENTS CORPORATION LIMITED, KALLANKURICHI LIMESTONE MINES OF (G.O.MS.NO.456 MLA 194.16.5 HECTARES) , S.F.No. 38/25, 289/2, 38/24,281,282,283,285,286,287,288,289 of Periyanaalal Village 130/2 of Aminabad Village 327/2,329/2,330/1,338/1A,7A,8A,407/2A,409/1,10,12A,410/11,430,431/1,435/1,437/1A,438/1,4, 439, 440/1,7,441/8,442,443,444,445,446,447,450,451,453/1B,454/2,457/1B,477/1,479/1B,480/1, 482/9B,488/5B,494/2B,327/1,329/1, 331/1,407/1,435/6,436/10,438/2,440/6,454/1,477/4,480/7, 489 of Kairlabad Village 29/1B,30,32,35/1B,36/1B,6,38/4,5,6,151,162/1,165/1A,166/1,168/13,169/6,171,174/1,180,181/7, 182/8,195/1,196/7B,199/2B,355/3,356/1,3/A,358/1,359/1,362/2,368,370/1,371/1,2,372/1,6, 373/2,374/1,375,379/1A,384/1A,8,387/1,6,468/1,469,470/2,7,471/1,3,6,474/5,511/4,8,9,512/2, 31,33,34,37,38/2,3,160,161,170,172,173,175,176,177,178,179,358/4,360,361,362,363,364,365,367,3 69,370/5,371/15,373/1,374/6,376,377,378,387/5,468/10D,10C,470/7,1,475,359/3 of Kallankurichi Village , KAIRLABATH village Ariyalur Taluk and Ariyalur District - Consent for operation of the plant and discharge of emissions under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) –Issued- Reg.

- Ref:** 1. Unit's application no 44732167 dated: 09.04.2022
2. IR.No : F.1079ARY/RL/AEE/ARY/2022 dated 20/05/2022
3. Minutes of the 198th TSC meeting vide item No. 198-1 dated:09.06.2022.

CONSENT TO OPERATE is hereby granted under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981 as amended in 1987 (Central Act 14 of 1981) (hereinafter referred to as "The Act") and the rules and orders made there under to

Deputy General Manager,

M/s . TAMILNADU CEMENTS CORPORATION LIMITED, KALLANKURICHI LIMESTONE MINES OF (G.O.MS.NO.456 MLA 194.16.5 HECTARES)

S.F No.38/25, 289/2, 38/24,281,282,283,285,286,287,288,289 of Periyanaalal Village 130/2 of Aminabad Village 327/2,329/2,330/1,338/1A,7A,8A,407/2A,409/1,10,12A,410/11,430,431/1,435/1,437/1A,438/1,4, 439, 440/1,7,441/8,442,443,444,445,446,447,450,451,453/1B,454/2,457/1B,477/1,479/1B,480/1, 482/9B,488/5B,494/2B,327/1,329/1, 331/1,407/1,435/6,436/10,438/2,440/6,454/1,477/4,480/7, 489 of Kairlabad Village 29/1B,30,32,35/1B,36/1B,6,38/4,5,6,151,162/1,165/1A,166/1,168/13,169/6,171,174/1,180,181/7, 182/8,195/1,196/7B,199/2B,355/3,356/1,3/A,358/1,359/1,362/2,368,370/1,371/1,2,372/1,6, 373/2,374/1,375,379/1A,384/1A,8,387/1,6,468/1,469,470/2,7,471/1,3,6,474/5,511/4,8,9,512/2, 31,33,34,37,38/2,3,160,161,170,172,173,175,176,177,178,179,358/4,360,361,362,363,364,365,367,369,370/5,371/15,373/1,374/6,376 ,377,378,387/5,468/10D,10C,470/7,1,475,359/3 of Kallankurichi Village ,

KAIRLABATH Village,

Ariyalur Taluk,

Ariyalur District.

Authorizing the occupier to operate the industrial plant in the Air Pollution Control Area as notified by the Government and to make discharge of emission from the stacks/chimneys.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This CONSENT is valid for the period ending March 31, 2027

RATNAM
VIJAYABASKARAN

Digitally signed by RATNAM
VIJAYABASKARAN
Date: 2022.06.29 18:02:50 +05'30'

**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

To
Deputy General Manager,
M/s.TAMILNADU CEMENTS CORPORATION LIMITED, KALLANKURICHI LIMESTONE MINES OF (G.O.MS.NO.456 MLA
194.16.5 HECTARES),
5th Floor, Aavin Illam, No.3A,
Pasumpon Muthuramalingam Salai,Nandanam, Chennai
,
Pin: 600035

Copy to:

- 1.The Commissioner, ARIYALUR-Panchayat Union, Ariyalur Taluk, Ariyalur District .
2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, ARIYALUR.
3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Triuchirappalli.
4. File

SPECIAL CONDITIONS

1. 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 products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	Mining of Limestone over an Extent of 194.16.5 Hectares	1.34	Million Tonnes Per Annum

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 change in the emission source/control measures/change in stack height has to be brought to the notice of the Board and fresh consent/Amendment has to be obtained.

I Point source emission with stack :				
Stack No.	Point Emission Source	Air pollution Control measures	Stack height from Ground Level in m	Gaseous Discharge in Nm3/hr
II Fugitive/Noise emission :				
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	Due To vehicle movement in the Haul Road	Fugitive	Water sprinkler system	

- 3(a). The emission shall not contain constituents in excess of the tolerance limits as laid down hereunder :

Sl.	Parameter	Unit	Tolerance limits	Stacks
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Annexure enclosed if applicable. :-

- 3.(b) The Ambient Air in the industrial plant area shall not contain constituents in excess of the tolerance limits prescribed below.

Sl. No.	Pollutant	Time Weighted Average	Unit	Tolerance Limits	
				Industrial, Residential, Rural and other area	Ecologically Sensitive Area (notified by Central Govt.)
1.	Sulphur Dioxide (SO ₂)	Annual 24 hours	microgram/m ³ microgram/m ³	50 80	20 80
2.	Nitrogen Dioxide (NO ₂)	Annual 24 hours	microgram/m ³ microgram/m ³	40 80	30 80
3.	Particulate Matter (Size Less than 10 micro M) or PM ₁₀	Annual 24 hours	microgram/m ³ microgram/m ³	60 100	60 100
4.	Particulate Matter (Size Less than 2.5 micro M) or PM _{2.5}	Annual 24 hours	microgram/m ³ microgram/m ³	40 60	40 60
5.	Ozone (O ₃)	Annual 24 hours	8 Hours 1 Hour	100 180	100 180

Sl. No.	Pollutant	Time Weighted Average	Unit	Tolerance Limits	
				Industrial, Residential, Rural and other area	Ecologically Sensitive Area (notified by Central Govt.)
6.	Lead (Pb)	Annual 24 hours	microgram/m ³ microgram/m ³	0.5 1.0	0.5 1.0
7.	Carbon Monoxide (CO)	8 Hours 1 Hour	miligram/m ³ miligram/m ³	02 04	02 04
8.	Ammonia (NH ₃)	Annual 24 hours	microgram/m ³ microgram/m ³	100 400	100 400
9.	Benzene (C ₆ H ₆)	Annual	microgram/m ³	5	5
10.	Benzo(O) Pyrene (BaP) -particulate phase only	Annual	nanogram/m ³	01	01
11.	Arsenic (As)	Annual	nanogram/m ³	06	06
12.	Nickel (Ni)	Annual	nanogram/m ³	20	20

3(c) The Ambient Noise Level in the industrial plant area shall not exceed the limits prescribed below:

Limits in L.eq.-dB(A)	Day Time	Night Time
Residential Area	55	45

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.
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.
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.
7. The occupier shall at his own cost get the samples of emission/air/noise levels collected and analyzed by the TNPC Board Laboratory once in every 6 months/once in a year/periodically for the parameters as prescribed.
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.
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.

Special Additional Conditions:

- i. The unit shall install the approved retrofit emission control device/equipment with at least 70% Particulate matter reduction efficiency on all DG sets with capacity of 125 KVA and above or otherwise the unit shall be shift to gas based generators within the time frame prescribed in the notification No. TNPCB/Labs/DD(L)02151/2019 dated 10.06.2020 issued by TNPCB.
- ii. The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

Additional Conditions:

1. The unit shall operate and maintain water sprinkling for the suppression of dust while movement of Vehicle and during loading and unloading of materials etc., efficiently and continuously so as to satisfy the NAAQ/Emission standards as prescribed by the Board.
2. The unit shall comply with Ambient Noise Level Standards prescribed by the Board.
3. The unit shall comply with the conditions imposed in the Environmental Clearance by MoEF , Government of India , New Delhi vide F.No. 23-18/2019-IA.III(V) dated 03.03.2022.
4. The unit shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation as per the Environmental Clearance within three years. The bank guarantee will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation plan. And after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.
5. The unit shall ensure the reclamation of Block 2 to be completed in one-year period
6. The unit shall ensure to spend Rs. 60 lacs over a period of three years under EMP as per the O.M. dated 30th Sept,2020 with the specific areas covering Health, Education, Skill development and Infrastructure development to the neighbourhood with specific and monitorable activities.
7. The unit shall ensure that the protection and management of the water bodies should include provision of utilizing available water to the villagers by installing solar pumps as well as project proponent shall explore the possibility for installing floating solar panels for generation of electricity and distribution of power supply to the villagers.
8. The unit shall carry out fugitive emission control measures as reported.
9. The operation of the unit shall not cause hindrance to the nearby public.
10. Vehicular emissions shall be kept under control and be regularly monitored. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.
11. The unit shall conduct AAQ Monitoring Survey once in 6 months in the locations furnished in the EIA report and furnish report to the TNPCB, Chennai.
12. The operation of the mines shall not attract any public complaint.
13. The unit shall mine and remove only in the permitted areas as per the approved Mining Plan details.
14. Quarry lease area should be demarcated on the ground with wire fencing to show the boundary of the lease area on all sides with red flags on every pillar shall be erected before commencement of quarrying.
15. No change in mining technology and scope of working should be made without prior approval of the MoEF &CC , GoI.
16. No change in the calendar plan including excavation, quantum of mineral.
17. The haul roads in the mines shall be adequately water sprayed using water tankers at regular intervals.
18. The unit shall continue to develop more green belt in and around the premises.
19. The unit shall comply with Mines and Minerals (Development and Regulation) Amendment Act 2015.
20. The unit shall ensure that all the transport vehicles shall be leak proof and properly covered with tarpaulin so as to avoid spillages, which may cause fugitive emission and further to prevent dust from being air borne.
21. The unit shall collect and store the rejects of the mining activities within the unit's area.
22. The unit shall ensure that, "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 units as per law".
23. The unit shall obtain necessary other permission/clearance from the respective competent authorities or other statutes also as applicable for operation of the quarry before commencement of its operation.
24. The unit shall upload the copy of the Environmental Clearance letter in the Company's website.
25. The unit shall install a minimum of 3 (three) online Ambient Air Quality Monitoring Stations with 1 (One) in upwind and 2 (two) in downwind direction based on long term climatological data about wind direction such that an angle of 120° is made between the monitoring locations to monitor critical parameters, relevant for mining operations, of air pollution viz. PM10, PM2.5, NO2, CO and SO2 etc. as per the methodology mentioned in NAAQS notification No. B29016/20/90/PCI/I dated 18.11.2009 covering the aspects of transportation and use of heavy machinery in the impact zone. The ambient air quality shall also be monitored at prominent places like office building, canteen etc. as per the site condition to ascertain the exposure characteristics at specific places. The above data shall be digitally displayed within 03 months in front of the main gate of the mine site.
26. The unit shall adhere to the depth of mining mentioned in the Environmental Clearance issued.
27. The unit shall strictly adhere to the approved mine closure plan.
28. The mining lease holder shall, after ceasing mining operations, under take re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the

land to condition which is fit for growth of fodder, flora and fauna etc.,

29. The unit shall furnish the compliance report of the Environmental Clearance condition issued by MoEF, Government of India , New Delhi vide F.No. 23-18/2019-IA.III(V) dated 03.03.2022, once in 6 month to this office.

30. This consent order does not absolve from obtaining necessary permission / clearance from other Authority or under other Statute as applicable.


RATNAM VIJAYABASKARAN  Digitally signed by RATNAM
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**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

GENERAL CONDITIONS

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.
2. This Consent is given by the Board in consideration of the particulars given in the application. Any change or alteration 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 21 of the Act.
3. The conditions imposed shall continue in force until revoked under Section 21 of the Act.
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.
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 unit at the time of inspection for adherence.
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 ensure compliance.
7. The occupier shall provide all facilities to the Board officials for collection of samples in and around the factory at any time.
8. The applicant shall display the flow diagram of the sources of emission and pollution control systems provided at the site.
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.
10. The air pollution control equipments, location of inspection chambers and sampling port holes shall be made easily accessible at all time.
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.
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.
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.
14. The issuance of this Consent does not convey any property right in either real personal property or any exclusive privileges, nor does it authorize any injury to private property or Government property or any invasion of personal rights nor any infringement of Central, State laws or regulation.
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 a result of such discharge, water or air is being polluted.
16. If due to any technological improvements or otherwise the Board is of opinion that all or any of the conditions referred to above requires variation (including the change 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.
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 alongwith relevant documents of change of management immediately and get the necessary amendment with renewal of consent order.
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 change of name from the Board.

19. The occupier shall display this consent order granted to him in a prominent place for perusal of the inspecting Officers of this Board.

RATNAM VIJAYABASKARAN  Digitally signed by RATNAM
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**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

Category of the Industry :

RED



CONSENT ORDER NO. 2205144732167 DATED: 29/06/2022.

PROCEEDINGS NO.T4/TNPCB/F.1079ARY/RL/ARY/W/2022 DATED: 29/06/2022

SUB: Tamil Nadu Pollution Control Board –CONSENT TO OPERATE – DIRECT -M/s. TAMILNADU CEMENTS CORPORATION LIMITED, KALLANKURICHI LIMESTONE MINES OF (G.O.MS.NO.456 MLA 194.16.5 HECTARES) , S.F.No. 38/25, 289/2, 38/24,281,282,283,285,286,287,288,289 of Periyanaalal Village 130/2 of Aminabad Village 327/2,329/2,330/1,338/1A,7A,8A,407/2A,409/1,10,12A,410/11,430,431/1,435/1,437/1A,438/1,4, 439, 440/1,7,441/8,442,443,444,445,446,447,450,451,453/1B,454/2,457/1B,477/1,479/1B,480/1, 482/9B,488/5B,494/2B,327/1,329/1, 331/1,407/1,435/6,436/10,438/2,440/6,454/1,477/4,480/7, 489 of Kairlabad Village 29/1B,30,32,35/1B,36/1B,6,38/4,5,6,151,162/1,165/1A,166/1,168/13,169/6,171,174/1,180,181/7, 182/8,195/1,196/7B,199/2B,355/3,356/1,3/A,358/1,359/1,362/2,368,370/1,371/1,2,372/1,6, 373/2,374/1,375,379/1A,384/1A,8,387/1,6,468/1,469,470/2,7,471/1,3,6,474/5,511/4,8,9,512/2, 31,33,34,37,38/2,3,160,161,170,172,173,175,176,177,178,179,358/4,360,361,362,363,364,365,367,3 69,370/5,371/15,373/1,374/6,376,377,378,387/5,468/10D,10C,470/7,1,475,359/3 of Kallankurichi Village , KAIRLABATH village Ariyalur Taluk and Ariyalur District - Consent for the operation of the plant and discharge of sewage and/or trade effluent under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act 6 of 1974) – Issued- Reg.

- Ref:** 1. Unit's application no 44732167 dated: 09.04.2022
2. IR.No : F.1079ARY/RL/AEE/ARY/2022 dated 20/05/2022
3. Minutes of the 198th TSC meeting vide item No. 198-1 dated:09.06.2022.

CONSENT TO OPERATE is hereby granted under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 as amended in 1988 (Central Act, 6 of 1974) (hereinafter referred to as "The Act") and the rules and orders made there under to

Deputy General Manager,

M/s . TAMILNADU CEMENTS CORPORATION LIMITED, KALLANKURICHI LIMESTONE MINES OF (G.O.MS.NO.456 MLA 194.16.5 HECTARES)

S.F.No.38/25, 289/2, 38/24,281,282,283,285,286,287,288,289 of Periyanaalal Village 130/2 of Aminabad Village 327/2,329/2,330/1,338/1A,7A,8A,407/2A,409/1,10,12A,410/11,430,431/1,435/1,437/1A,438/1,4, 439, 440/1,7,441/8,442,443,444,445,446,447,450,451,453/1B,454/2,457/1B,477/1,479/1B,480/1, 482/9B,488/5B,494/2B,327/1,329/1, 331/1,407/1,435/6,436/10,438/2,440/6,454/1,477/4,480/7, 489 of Kairlabad Village 29/1B,30,32,35/1B,36/1B,6,38/4,5,6,151,162/1,165/1A,166/1,168/13,169/6,171,174/1,180,181/7, 182/8,195/1,196/7B,199/2B,355/3,356/1,3/A,358/1,359/1,362/2,368,370/1,371/1,2,372/1,6, 373/2,374/1,375,379/1A,384/1A,8,387/1,6,468/1,469,470/2,7,471/1,3,6,474/5,511/4,8,9,512/2, 31,33,34,37,38/2,3,160,161,170,172,173,175,176,177,178,179,358/4,360,361,362,363,364,365,367,369,370/5,371/15,373/1,374/6,376 ,377,378,387/5,468/10D,10C,470/7,1,475,359/3 of Kallankurichi Village ,

KAIRLABATH Village,

Ariyalur Taluk,

Ariyalur District.

Authorising the occupier to make discharge of sewage and /or trade effluent.

This is subject to the provisions of the Act, the rules and the orders made there under and the terms and conditions incorporated under the Special and General conditions stipulated in the Consent Order issued earlier and subject to the special conditions annexed.

This CONSENT is valid for the period ending March 31, 2027

RATNAM
VIJAYABASKARAN

Digitally signed by RATNAM
VIJAYABASKARAN
Date: 2022.06.29 18:04:42 +05'30'

**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

To
Deputy General Manager,
M/s.TAMILNADU CEMENTS CORPORATION LIMITED, KALLANKURICHI LIMESTONE MINES OF (G.O.MS.NO.456 MLA
194.16.5 HECTARES),
5th Floor, Aavin Illam, No.3A,
Pasumpon Muthuramalingam Salai,Nandanam, Chennai
,
Pin: 600035

Copy to:

- 1.The Commissioner, ARIYALUR-Panchayat Union, Ariyalur Taluk, Ariyalur District .
 2. The District Environmental Engineer, Tamil Nadu Pollution Control Board, ARIYALUR.
 3. The JCEE-Monitoring, Tamil Nadu Pollution Control Board, Triuchirappalli.
 4. File
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SPECIAL CONDITIONS

1. 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 products and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No.	Description	Quantity	Unit
Product Details			
1.	Mining of Limestone over an Extent of 194.16.5 Hectares	1.34	Million Tonnes Per Annum

2. 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 of the Board and fresh consent has to be obtained.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
Effluent Type : Sewage			
1.	SEWAGE	0.8	On Industrys own land
Effluent Type : Trade Effluent			

3. The effluent discharge shall not contain constituents in excess of the tolerance Limits as laid down hereunder.

Sl. No.	Parameters	Unit	TOLERANCE LIMITS - OUTLETS -Nos			
			Sewage		Trade Effluent	
			1		0	
1.	pH		5.5 to 9			
2.	Temperature	oC	-			
3.	Particle size of Suspended solids	-	-			
4.	Total Suspended Solids	mg/l	30			
5.	Total Dissolved solids (inorganic)	mg/l	-			
6.	Oil & Grease	mg/l	-			
7.	Biochemical Oxygen Demand (3 days at 27oC)	mg/l	20			
8.	Chemical Oxygen Demand	mg/l	-			
9.	Chloride (as Cl)	mg/l	-			
10.	Sulphates (as SO4)	mg/l	-			
11.	Total Residual Chlorine	mg/l	-			
12.	Ammonical Nitrogen (as N)	mg/l	-			
13.	Total Kjeldahl Nitrogen (as N)	mg/l	-			
14.	Free Ammonia (as NH3)	mg/l	-			
15.	Arsenic (as As)	mg/l	-			
16.	Mercury (as Hg)	mg/l	-			
17.	Lead (as Pb)	mg/l	-			
18.	Cadmium(as Cd)	mg/l	-			
19.	Hexavalent Chromium (as Cr+6)	mg/l	-			
20.	Total Chromium (as Cr)	mg/l	-			
21.	Copper (as Cu)	mg/l	-			
22.	Zinc (as Zn)	mg/l	-			
23.	Selenium (as Se)	mg/l	-			
24.	Nickel (as Ni)	mg/l	-			
25.	Boron (as B)	mg/l	-			
26.	Percent Sodium	%	-			
27.	Residual Sodium Carbonate	mg/l	-			
28.	Cyanide (as CN)	mg/l	-			
29.	Fluoride (as F)	mg/l	-			
30.	Dissolved Phosphates(as P)	mg/l	-			
31.	Sulphide (as S)	mg/l	-			
32.	Pesticides	mg/l	-			
33.	Phenolic Compounds (as C6H5OH)	mg/l	-			
34.	Radioactive materials a) Alpha emitters	micro curie/ml	-			
35.	Radioactive materials b). Beta emitters	micro curie/ml	-			
36.	Fecal Coliform	MPN/100ml	-			

4. All units of the sewage and Trade effluent treatment plants shall be operated efficiently and continuously so as to achieve the standards prescribed in Sl No.3 above or to achieve the zero liquid discharge of effluent as applicable.

5. The occupier shall maintain the Electro Magnetic Flow Meters/water Meters installed at the inlet of the water supply connection for each of the purposes mentioned below for assessing the quantity of water used and ensuring that such meters are easily accessible for inspection and maintenance and for other purposes of the Act.
 - a. Industrial Cooling, Spraying in mine pits or boiler feed.
 - b. Domestic purpose.
 - c. Process.
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.
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 readings 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.
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 TNPC Board Laboratory periodically.
9. Any upset condition in any of the plants of the factory which is, likely to result in increased 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.
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.
11. The occupier shall develop adequate width of green belt at the rate of 400 numbers of trees per Hectare.
12. The occupier shall provide and maintain rain water harvesting facilities.
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.
14. In the case of zero liquid discharge of effluent units, the occupier shall adhere the following conditions as laid under.
 - 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.
 - 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/Evaporator 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.
 - 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.
 - 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 condition.
 - 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.

Special Additional Conditions:

The unit shall obtain No Objection Certificate (NOC) from the Tamil Nadu Bio Diversity Board /National Bio Diversity Authority if the unit is using any Biological resources or knowledge associated thereto as per the provisions of Biological Diversity Act 2002.

Additional Conditions:

1. The unit shall treat and dispose the sewage through Septic tank and Soak Pit arrangement.
2. The unit shall ensure that no trade effluent is generated at any stage of its quarrying activity.
3. The unit shall comply with the conditions imposed in the Environmental Clearance by MoEF, Government of India, New Delhi vide F.No. 23-18/2019-IA.III(V) dated 03.03.2022.
4. The unit shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation as per the Environmental Clearance within three years. The bank guarantee will be released after successful implementation of the remediation plan and Natural and Community Resource Augmentation plan. And after the recommendation by regional office of the Ministry, Expert Appraisal Committee and approval of the Regulatory Authority.
5. The unit shall ensure the reclamation of Block 2 to be completed in one-year period.
6. The unit shall ensure to spend Rs. 60 lacs over a period of three years under EMP as per the O.M. dated 30th Sept, 2020 with the specific areas covering Health, Education, Skill development and Infrastructure development to the neighbourhood with specific and monitorable activities.
7. The unit shall ensure that the protection and management of the water bodies should include provision of utilizing available water to the villagers by installing solar pumps as well as project proponent shall explore the possibility for installing floating solar panels for generation of electricity and distribution of power supply to the villagers.
8. Peripheral plantations shall be raised as wind belts to minimize the dry tailings being air-borne and to prevent the soil erosion.
9. The unit shall collect the rain water and seepage in the collection sump provided and the same shall be utilized for irrigation.
10. Wherever practicable, the mine water shall be utilized for irrigation and to the plantation raised to stabilize the mine waste dumps.
11. The unit shall follow and adopt the guidelines evolved for Non convention opencast mining techniques as prescribed by the Mines Department and other Competent Authorities.
12. The unit shall take necessary precautionary measures to prevent any adverse impact on the nearby habitation.
13. The unit shall collect and store the rejects of the mining activities within the unit's area.
14. Water sprinkling arrangements shall be provided to control the emission generated from the quarrying operation and due to the movement of vehicles.
15. The unit shall erect a display board in the local vernacular at the mining site and in the nearest village by which Limestone transportation will be carried out.
16. The unit shall quarry and remove only in the permitted areas as per the approved Mining Plan.
17. Quarry lease area should be demarcated on the ground with wire fencing to show the boundary of the leased area on all sides with red flags on every pillar shall be erected before commencement of quarrying.
18. No change in mining technology and scope of work should be made without prior approval of the MoEF & CC, GOI.
19. No change in the calendar plan including excavation, the quantum of mineral.
20. Vehicular emissions shall be kept under control and be regularly monitored. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.
21. The unit shall ensure that, "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 units as per law".
22. The unit shall obtain necessary other permission/clearance from the respective competent authorities or other statutes also as applicable for operation of the quarry before commencement of its operation.
23. The unit's operation shall not attract any public complaints.
24. Garland drains and siltation ponds of appropriate size shall be constructed around the mine working, soil and mineral dumps to prevent run off of water and flow of sediments. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted, particularly after the monsoon, and maintained properly.
25. The unit shall not use 'use and throwaway plastics' such as plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups, plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness, within the industry premises. Instead it shall encourage use of eco friendly alternative such as banana leaf, areca nut plam plate, stainless steel, glass, porcelain plates/cups, cloth bag, jute bag etc.,
26. Display Boards highlighting use of "one-time use and throwaway plastics" is banned within the premises shall be erected in predominant places referring G.O (Ms) No. 84 Environment and Forests Department dated 25.6.2018.
27. The unit shall upload the copy of the Environmental Clearance letter in the Company's website.
28. The unit shall furnish all the statutory clearances as obtained from the Chief Controller of Explosives, Fire and Rescue Services Department, Civil Aviation Department, Forest Conservation

Act, 1980 and Wild Life (Protection) Act, 1972, State / Central Ground Water Authority, Coastal Regulatory Zone Authority, other statutory and other authorities as applicable to the project before commencement of mining operation.

29. The separate environment and safety management cell formed by the unit shall be retained throughout the lifetime of the mine, for implementation of the stipulated environmental safeguards of mining operation.

30. The unit shall undertake all precautionary measures for conservation and protection of endangered flora and fauna and Schedule-I species during mining operation. A Wildlife Conservation Plan shall be prepared for the same clearly delineating action to be taken for conservation of flora and fauna. The Plan shall be approved by Chief Wild Life Warden of the State Government. And implemented in consultation with the State Forest and Wildlife Department. A copy of Wildlife Conservation Plan and its implementation status (annual) shall be submitted to the Regional Office of the Ministry

31. The unit shall furnish the compliance report of the Environmental Clearance condition issued by MoEF , Government of India , New Delhi vide F.No. 23-18/2019-IA.III(V) dated 03.03.2022,once in 6 month to this office.

32. The unit shall adhere to the provision of the Mines Act, 1952, Mines and Mineral (Development & Regulation), Act, 1915 and rules & regulations made there under PP shall adhere to various circulars issued by Directorate General Mines Safety (DGMS) and Indian Bureau of Mines from time to time.

33. The unit shall adhere to the depth of mining mentioned in the Environmental Clearance issued.

34. The unit shall strictly adhere to the approved mine closure plan.

35. This consent order does not absolve from obtaining necessary permission / clearance from other Authority or under other Statute as applicable.

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**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**

GENERAL CONDITIONS

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.
2. This Consent is issued by the Board in consideration of the particulars given in the application. Any change or alteration 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.
3. The consent conditions imposed in this order shall continue in force until revoked under Section 27(2) of the Act.
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 stands defunct.
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 unit at the time of inspection for adherence.
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.
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.
8. The occupier shall display the flow diagram of the sources of effluent generation and pollution control systems provided at the ETP site.
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.
10. The occupier shall collect, treat the solid wastes like food waste, green waste generated from the canteen and convert into organic compost.
11. The occupier shall segregate the Hazardous waste from other solid wastes and comply in accordance with Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008.
12. The occupier shall maintain good house-keeping within the factory premises.
13. All pipes, valves, sewers and drains shall be leak proof. Floor washings 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.
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.
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).
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 purposes with water meter readings in Form-I on or before 5th of every month.
 - b) Yearly return on Hazardous wastes generated and accumulated for the period from 1st April to 31st March in Form-4 before the end of the subsequent 30th June of every year (if applicable).
 - c) Yearly Environmental Statement for the period from 1st April to 31st March in Form -V before the end of the subsequent 30th September of every year(if applicable).
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.
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.
19. The issuance of this Consent does not convey any property right in either real personal property or any exclusive privileges, nor does it authorize any injury to private property or Government property or any invasion of personal rights nor any infringement of Central, State laws or regulation.

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 a result of such discharge, water or air is being polluted.
21. If due to any technological improvements or otherwise the Board is of opinion that all or any of the conditions referred to above requires variation (including the change 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.
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 alongwith relevant documents of change of management immediately and get the necessary amendment with renewal of consent order.
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 change of name from the Board.
24. The occupier shall display this consent order granted to him in a prominent place for perusal of the inspecting Officers of this Board.

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**For Member Secretary,
Tamil Nadu Pollution Control Board,
Chennai**