

Category of the Industry :

RED



CONSENT ORDER NO. 2405259342117 DATED: 30/05/2024.

PROCEEDINGS NO.T3/TNPCB/F.0288ARY/RL/ARY/A/2024 DATED: 30/05/2024

SUB: Tamil Nadu Pollution Control Board –CONSENT TO OPERATE –DIRECT -M/s. TAMILNADU CEMENTS CORPORATION LTD , S.F.No. 32,33,42,45 to 50,53,79,80,81,84,87,88,89,, 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. (Industry User ID- R16ARY5190492)

Ref:

1. Board Proc. No. T4/TNPCB/F.0288ARY/RL/ARY/A&W/2022 DATED: 12/07/2022.
2. Application No. 59342117 dt: 29/04/2024 for CTO- Direct under Water and Air Acts.
3. IR.No : F.0288ARY/RL/JCEE-M/ARY/2024 dated 28/05/2024.
4. Minutes of TSC meeting dt: 24/05/2024 (Item No.228-5).

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

The Deputy General Manager
M/s . TAMILNADU CEMENTS CORPORATION LTD
S.F No. 32,33,42,45 to 50,53,79,80,81,84,87,88,89,
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, 2029**

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

To
The Deputy General Manager,
M/s.TAMILNADU CEMENTS CORPORATION LTD,
TAMIL NADU CEMENTS CORPORATION LIMITED, ARIYALUR CEMENT WORKS,ARASU NAGAR,ARIYALUR
Pin: 621729

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, Tiruchirappalli.
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.	CLINKER	1475000	MT/ANNUM
2.	ORDINARY PORTLAND CEMENT (OPC), PORTLAND POZZOLANA CEMENT (PPC) AND COMPOSITE CEMENT (CC)	1630000	MT/ANNUM
By-Product Details			
1.	No by product	0	0
Intermediate Product Details			
1.	No intermediate product	0	0

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
1	LIMESTONE CRUSHER (EXPANSION)	Bag Filters with stack	22.5	50000
2	RAW MILL/KILN (EXPANSION)	Bag Filters with stack	115.2	597600
3	COAL MILL (EXPANSION)	Bag Filters with stack	55.9	72360
4	CLINKER COOLER (EXPANSION)	ESP with stack	41	338400
5	CEMENT MILL (EXISTING)	Bag Filters with stack	38.5	60000
6	CEMENT MILL (EXPANSION)	Bag Filters with stack	44	38880
II Fugitive/Noise emission :				
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	LIMESTONE TRANSFER POINT (EXPANSION)	Fugitive	Bag Filter	
2.	RAW MILL FEED HOPPER (EXPANSION)	Fugitive	Bag Filter	
3.	RAW MILL REJECT ELEVATOR(EXPANSION)	Fugitive	Bag Filter	
4.	RAW MILL FEED ELEVATOR(EXPANSION)	Fugitive	Bag Filter	
5.	RAW MILL TO KILN TRANSFER POINT (EXPANSION)	Fugitive	Bag Filter	
6.	RAW MEAL SILO TOP (EXPANSION)	Fugitive	Bag Filter	
7.	RAW MEAL SILO BOTTOM (EXPANSION)	Fugitive	Bag Filter	
8.	KILN FEED TRANSFER POINT-I (EXPANSION)	Fugitive	Bag Filter	
9.	KILN FEED TRANSFER POINT-II (EXPANSION)	Fugitive	Bag Filter	
10.	DEEP BUCKET CONVEYOR (EXPANSION)	Fugitive	Bag Filter	
11.	CLINKER SILO TOP (EXPANSION)	Fugitive	Bag Filter	
12.	CLINKER SILO BOTTOM TRANSFER POINT (EXPANSION)	Fugitive	Bag Filter	
13.	REJECT CLINKER SILO TOP (EXPANSION)	Fugitive	Bag Filter	
14.	RAW COAL TRANSFER POINT (EXPANSION)	Fugitive	Bag Filter	
15.	CALCINER FINE COAL BIN (EXPANSION)	Fugitive	Bag Filter	
16.	KILN FINE COAL BIN (EXPANSION)	Fugitive	Bag Filter	

17.	CEMENT MILL TRANSFER POINT (EXISTING)	Fugitive	Bag Filter	
18.	CLINKER HOPPER (EXPANSION)	Fugitive	Bag Filter	
19.	ADDITIVE HOPPER (EXPANSION)	Fugitive	Bag Filter	
20.	FLY ASH SILO TOP (EXPANSION)	Fugitive	Bag Filter	
21.	CEMENT MILL SEPARATOR (EXPANSION)	Fugitive	Bag Filter	
22.	CEMENT MILL TRANSFER POINT (EXPANSION)	Fugitive	Bag Filter	
23.	CEMENT MILL TO SILO TRANSFER POINT (EXPANSION)	Fugitive	Bag Filter	
24.	CEMENT MILL SEPARATOR TO SILO (EXPANSION)	Fugitive	Bag Filter	
25.	CEMENT SILO-1 TOP (EXPANSION)	Fugitive	Bag Filter	
26.	CEMENT SILO EXTRACTION (EXPANSION)	Fugitive	Bag Filter	
27.	CEMENT SILO TO PACKER (EXPANSION)	Fugitive	Bag Filter	
28.	CEMENT SILO-2 TOP (EXPANSION)	Fugitive	Bag Filter	
29.	PACKING HOUSE-I (EXISTING)	Fugitive	Bag Filter	
30.	PACKING HOUSE-II (EXISTING)	Fugitive	Bag Filter	
31.	PACKER - I (EXPANSION)	Fugitive	Bag Filter	
32.	PACKER - II (EXPANSION)	Fugitive	Bag Filter	
33.	TRANSPORT VEHICLE MOVEMENT LOADING & UNLOADING	Fugitive	WATER SPRAYING BY TIPPER AND WATER SPRINKLER SYS.	
34.	DG SET 2500 KVA 1 NO	Noise	ACOUSTIC ENCLOSURE	
35.	DG SET 1000 KVA 1 NO	Noise	ACOUSTIC ENCLOSURE	

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)	8 Hours 1 Hour	microgram/m ³ microgram/m ³	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

- 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.
- 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.
- 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.
- 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:

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.

The industries shall take all efforts to use and popularize “Mission LiFE” logo and mascot which is available in TNPCB & MoEFCC website. They shall also request their employees to adopt “Mission LiFE” action points and document the same and furnish half yearly report to Board.

Additional Conditions:

1. This CTO Direct is considered/issued based on the “No Increase in Pollution Load Certificate” issued to the unit vide Board’s Lr.No. T3/TNPCB/F.005313/ARY/2024 dated 10.04.2024.
2. The unit shall comply with the conditions specified in the “No Increase in Pollution Load Certificate” issued to the unit vide Board’s Lr.Dt: 10.4.2024 at all times.
3. The unit shall undertake to work out the pollution loads after commencing the operation of product mix change and submit report to TNPCB
4. The unit shall comply all the conditions imposed in the Environmental Clearance issued by MoEF&CC dated 08.09.2016 at all times.
5. The unit shall ensure that the production shall not exceed the consented quantity with respect to cement and clinker production at any point of time.
6. The unit shall operate and maintain the Air Pollution Control measures efficiently and continuously so as to achieve the Ambient Air Quality/Emissions/Ambient Noise level standards prescribed by the Board.
7. The unit shall ensure that the stack emissions are meeting the emission standards as notified by MoEF&CC vide GSR 497(E) dated 10.5.2016 at all times.
8. The unit shall adhere to the CPCB Guidelines on fugitive emission control vide PROBES/118/2007, dated 06.07.2007 at all times.
9. The unit shall maintain and calibrate the OCEMS regularly so as to transmit the real time quality data to Care Air Centre, Chennai & CPCB.
10. The unit shall ensure that OCEMS are maintained and operated as per CPCB CEMs guidelines and the data shall be transmitted as per guidelines. The performance calibration shall be conducted once in a year and report shall be submitted to TNPCB.
11. The unit shall carry out fugitive emission monitoring at cement mill, coal mill and raw material handling area once in six months and the report shall be submitted to TNPCB.
12. The performance efficiency of the APC devices shall be conducted through a laboratory approved by CPCB and report shall be submitted to TNPCB before July 2024.
13. The unit shall conduct a comprehensive Environmental audit through a laboratory approved by CPCB/MoEF once in a year which includes water audit, ETP/STP adequacy & efficacy, APCD performance efficiency etc., and shall furnish report to TNPCB before July 2024.
14. The unit shall provide additional 1 No of CAAQMS as per GLC study and connect to CAC, TNPCB, Chennai before October 2024.
15. The unit shall regularly operate the permanent water sprinkling system, mobile water sprinkling system and road sweeping machines to avoid dust accumulation.
16. The unit shall not store clinker, coal & other raw materials openly, under any circumstances.
17. The unit shall pave all the areas where vehicle movement takes place before October 2024.
18. The unit shall continue to develop more green belt in and around the unit premises.
19. The unit shall ensure that the provisions of the environmental clearance obtained by the unit are not violated due to this expansion activity.

**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.

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