



TAMILNADU POLLUTION CONTROL BOARD

CONSENT ORDER NO:4875 (Expansion) DATED:1.6.2009

PROCEEDINGS NO: T6/TNPCB/F-34066/URL/DGL/A/2009 DATED : 01.06.2009

Sub: TNPC Board-Consent for Establishment (Expansion) - M/S CHETTINAD CEMENT CORPORATION LIMITED, CEMENT GRINDING UNIT, S.No.1583, 1586 to 1593, 1607 and 1609 (Existing), 1589 and 1591 (proposed for cement grinding unit), PULIYUR VILLAGE, KARUR TALUK, KARUR DISTRICT- for the establishment or take steps to establish the industry under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended in 1987.

- Ref:**
1. Your Application No: 14075 dated: 24.02.2009.
 2. IR No: DEE/TNPCB/KAR/F.Mis.0002.2009 dt: 07.04.2009.
 3. Sub Committee meeting held on 21.05.2009 vide TSC Item No: 41-22

Consent to establish or take steps to establish is hereby granted under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended in 1987 and the Rules and Orders made there under to

The President,

M/s, Chettinad Cement Corporation Limited

(herein after referred to as 'The Applicant') authorizing him to establish or take steps to establish the industry in the site mentioned below:

S.No.1583, 1586 to 1593, 1607 and 1609 (Existing),
1589 and 1591 (proposed for cement grinding unit),
PULIYUR VILLAGE,
KARUR TALUK,
KARUR DISTRICT.

POLLUTION PREVENTION PAYS

அகம் தூய்மை வாய்மைக்கு! புறம் தூய்மை வாழ்வுக்கு!



TAMILNADU POLLUTION CONTROL BOARD

This Consent to establish is valid for two years, or till the industry obtains consent to operate under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended in 1987 whichever is earlier subject to special and general conditions enclosed.

Sd/*****
MEMBER SECRETARY.
TAMILNADU POLLUTION CONTROL BOARD,
CHENNAI - 32.

To

✓ The President,
M/s. Chettinad Cement Corporation Limited,
Rani Seethai Hall Building, IV & V floors,
No: 603, Anna Salai,
Chennai 600 006.

Copy to:

- (1) The District Environmental Engineer,
Tamil Nadu Pollution Control Board,
Dindigul.
- (2) The Commissioner,
Puliyur Town Panchayat,
Karur District.
- (3) BMS
- (4) Spare

/Forwarded by Order/

For MEMBER SECRETARY.

11/10/87



TAMILNADU POLLUTION CONTROL BOARD

SPECIAL CONDITIONS

1. This consent to establish is valid for establishing the facility for the manufacture of products/byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl.No	Description	Quantity /Month
	Products : Ordinary Portland Cement & Blended cement	1.7 MTPA
	Byproduct	-

2. This consent to establish is valid for establishing 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 has to be obtained if necessary.

Sl. No	Source	Air pollution Control measures	Stack height in m	Additional facilities to be provided	Maximum discharge in m3/Hr
01.	Point source	Enclosed in Annexure – I			
02.	Fugitive	Enclosed in Annexure II			
03.	Noise	Adequate acoustic measures to be provided in the Industrial plant.			

POLLUTION PREVENTION PAYS

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TAMILNADU POLLUTION CONTROL BOARD

3. Additional conditions:

1. The unit shall operate the air pollution control measures such as bag filter for the lime stone crushers, Crushed Lime stone transfer points, Raw mill / Kiln, Raw mill feeding hopper, blending silo, Dry process kiln feed arrangement, Pre heater, coal mill, Clinker transfer point and storage system, cement mill hopper, cement mill, cement silo top so as to prevent the dust emission and to achieve the standards prescribed by the Board.
2. The unit shall operate the ESP provided in the cooler efficiently so as to achieve the standards prescribed by the Board.
3. The unit shall ensure that the APC measures for the material handling and transfer points so as to bring down the level of emission to satisfy the standards prescribed by the TNPC Board.
4. The unit shall store the raw material and product like coal, gypsum, fly ash, slag and clinker in a closed shed so as to avoid dust emission.
5. The unit shall ensure that all the electronic packing section shall be provided with bag filters to contain the dust emission.
6. The unit shall ensure that water spraying system is maintained properly so as to suppress the fugitive emission due to vehicular movement.
7. The unit shall operate the on line continuous stack monitoring system provided to the kiln/ raw mill, cooler, cement mill, and coal mill with computer recorder and printer arrangement efficiently to measures the particulate matter. The data thereon along with graphical print out showing peak emission in a day shall be furnished every month.
8. The unit shall ensure that Inter locking facility is provided in the pollution control equipment such as bag filters, etc., so that in the event of non operation of pollution control equipment, the main plant should be shut down automatically.
9. Periodical monitoring has to be done to ensure compliance with AAQ standards as well as effluent standards prescribed by the Board.
10. No further expansion or modification of the plant should be carried out without prior consent of the TNPC Board.
11. The unit shall continue to develop green belt more in and around the premises.

Sd/*****
MEMBER SECRETARY
TAMILNADU POLLUTION CONTROL BOARD
CHENNAI - 32.

/Forwarded by Order/

For MEMBER SECRETARY.

POLLUTION PREVENTION PAYS

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TAMILNADU POLLUTION CONTROL BOARD

GENERAL CONDITIONS

1. The above consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate.
2. The applicant shall make a request for grant of consent to operate atleast thirty days, before the commissioning of trial production.
3. Any Change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
4. The unit 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 (wherever applicable).
5. Consent to operate will not be issued unless the unit complies with the conditions of consent to establish,
6. The unit shall provide adequate water sprinklers for the control of dust emission during the loading and unloading of construction material so as to minimize the dust emission.
7. The unit shall provide water sprinklers along the temporary roads inside the premises to avoid fugitive dust emission during the vehicle movements.
8. The unit shall develop green belt of adequate width around the premises
9. In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

Sd/*****

MEMBER SECRETARY
TAMILNADU POLLUTION CONTROL BOARD
CHENNAI - 32.

/Forwarded by Order/

For MEMBER SECRETARY.

11/10/20

POLLUTION PREVENTION PAYS

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POLLUTION PREVENTION PAYS

புற்றுத் தடுப்பு கார்ப்பம் வாழ்வுக்கு!



TAMILNADU POLLUTION CONTROL BOARD

Annexure I

TECHNICAL SPECIFICATION OF POLLUTION CONTROL EQUIPMENTS

[EXISTING 1.2 MTPA & (New Grinding unit for 0.5 MTPA)]

Sl.No	Stack Attached MAIN STACK	STACK HT G.Level Mts.	APC Measure provided
01	VRM/KILN	45	Bag House with ESP
02	Clinker Cooler	15	ESP-1 Nos
03	Cement Mill	44	Bag House – 1 No
04	Coal Mill	39.55	Bag House – 1 No
05	Electronic Packer-1	25	Bag Filter
06	Electronic Packer-2	25	Bag Filter
07	Electronic Packer-3	28	Bag Filter
08	Electronic Packer-4	28	Bag Filter
09	Clinker Transfer Point Silo-1	10	Bag Filter
10	Clinker Transfer Point Silo-2	10	Bag Filter
11	4320 KW Generator	25	Open to Atmosphere
12	4320 KW Generator	25	Open to Atmosphere
13	1000 KW Generator	20	Open to Atmosphere
14	Captive Power Plant Boiler	81	ESP
15	Coal Crusher (primary)	10	Bag Filter
16	Coal Crusher (Secondary)	10	Bag Filter
✓ 17	Cement Mill & Roller press	50	Bag House -1 No

POLLUTION PREVENTION PAYS

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TAMILNADU POLLUTION CONTROL BOARD

**UNIT FILTER – WITHOUT STACK [(EXISTING FOR 1.2 MTPA) &
(New Grinding Unit for 0.5 MTPA)]**

S.No	Source	HT From Ground Level.Mt	APC Measures provided
1	Raw Material Hopper	20	Unit Bag Filter
2	Blending Silo Top	45	Unit Bag Filter
3	Blending Silo 1 Bin	20	Unit Bag Filter
4	Blending Silo 2 Bin	20	Unit Bag Filter
5	Clinker Stock pile	15	Unit Bag Filter
6	Clinker Silo Top	50	Unit Bag Filter
7	Clinker Silo Pam conveyor	10	Unit Bag Filter
8	Clinker Hopper Top	25	Unit Bag Filter
9	Clinker Hopper Bottom	5	Unit Bag Filter
10	Cement Silo Top	35	Unit Bag Filter
11	Cement Elevator transfer Point	6	Unit Bag Filter
12	Fine Lignite Hopper	25	Unit Bag Filter
✓ 13	Hopper Top	25	Unit Bag House
✓ 14	Weigh Feeder	11	Unit Bag House
✓ 15	Roller Press	15	Unit Bag House
✓ 16	Elevator and Prebin	23	Unit Bag House
✓ 17	Ball Mill	20	Unit Bag House
✓ 18	Air Slides	11	Unit Bag House
✓ 19	Mill Aucillary	20	Unit Bag House
✓ 20	Fly Ash Bin	15	Unit Bag House
✓ 21	Cement Air Slides	18	Unit Bag House

Sd/*****
MEMBER SECRETARY
TAMILNADU POLLUTION CONTROL BOARD
CHENNAI – 32.

/Forwarded by Order/

For MEMBER SECRETARY

POLLUTION PREVENTION PAYS

சுற்றுச்சூழல் மாசுபாடு தடுப்பதற்கு!



TAMILNADU POLLUTION CONTROL BOARD

ANNEXURE II

DETAILS OF FUGITIVE EMISSION AND CONTROL MEASURE

I. WATER SPRINKLERS

1	Lime Stone Stacker/Reclaimer area	Water Sprinkler – 12 nos
2	Bauxite/Iron ore yard	Water sprinkler – 17 nos
3	Around the inside road	Water sprinkler – 37 nos
4	Lorry parking area	Water sprinkler – 18 nos
5	Coal yard	Water sprinkler – 60 nos
6	Fly ash, gypsum and slag yard	Water sprinkler – 48 nos
7	Around CPP	Water sprinkler 16 nos

Sd/*****

MEMBER SECRETARY
TAMILNADU POLLUTION CONTROL BOARD
CHENNAI – 32.

/Forwarded by Order/

For MEMBER SECRETARY.

POLLUTION PREVENTION PAYS

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TAMILNADU POLLUTION CONTROL BOARD

சென்னை - 600 006

தமிழ்நாடு

தமிழ்நாடு மாநிலத் துறைமுகப் பகுதி

சென்னை - 600 006

தமிழ்நாடு மாநிலத் துறைமுகப் பகுதி

சென்னை - 600 006

தமிழ்நாடு மாநிலத் துறைமுகப் பகுதி

சென்னை - 600 006

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சென்னை - 600 006

தமிழ்நாடு மாநிலத் துறைமுகப் பகுதி

தமிழ்நாடு மாநிலத் துறைமுகப் பகுதி
சென்னை - 600 006

POLLUTION PREVENTION PAYS

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TAMILNADU POLLUTION CONTROL BOARD

CONSENT ORDER NO:4932 (Expansion) DATED: 1.6.2009

PROCEEDINGS NO: T6/TNPCB/F-34066/URL/KAR/W/2009 DATED : 01.06.2009

Sub: Tamil Nadu Pollution Control Board - Consent for Establishment (Expansion) – M/S CHETTINAD CEMENT CORPORATION LIMITED , CEMENT GRINDING UNIT, S.No.1583, 1586 to 1593, 1607 and 1609 (Existing), 1589 and 1591 (proposed for cement grinding unit), PULIYUR VILLAGE, KARUR TALUK, KARUR DISTRICT –for establishment or take steps to establish the industry under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974, as amended in 1988 (Central Act 53 of 1988)

Ref: 1. Your Application No: 14076 dated: 24.02.2009.
2. IR No: DEE/TNPCB/KAR/F.Mis.0002.2009 dt: 07.04.2009.
3. Sub Committee meeting held on 21.05.2009 vide TSC Item No:41-22

Consent to establish or take steps to establish is hereby granted under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974, as amended in 1988 (Central Act 53 of 1988) (hereinafter referred to as 'The Act') and the Rules and Orders made there under to

The President,

M/s. Chettinad Cement Corporation Limited

(herein after referred to as 'The Applicant') authorizing him to establish or take steps to establish the industry in the site mentioned below:

S.No.1583, 1586 to 1593, 1607 and 1609 (Existing),
1589 and 1591 (proposed for cement grinding unit),
PULIYUR VILLAGE,
KARUR TALUK,
KARUR DISTRICT.



TAMILNADU POLLUTION CONTROL BOARD

This Consent to establish is valid for two years, or till the industry obtains consent to operate Section 25 of the Water (Prevention and Control of Pollution) Act, 1974, as amended in 1988 whichever is earlier subject to special and general conditions enclosed.

Sd/*****

MEMBER SECRETARY.
TAMILNADU POLLUTION CONTROL BOARD,
CHENNAI - 32.

To

✓ The President,
M/s. Chettinad Cement Corporation Limited,
Rani Seethai Hall Building, IV & V floors,
No: 603, Anna Salai,
Chennai 600 006.

Copy to:

- (1) The District Environmental Engineer,
Tamil Nadu Pollution Control Board,
Dindigul.
- (2) The Commissioner,
Puliyur Town Panchayat,
Karur District.
- (3) BMS
- (4) Spare

/Forwarded by Order/

For MEMBER SECRETARY.

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POLLUTION PREVENTION PAYS

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TAMILNADU POLLUTION CONTROL BOARD

SPECIAL CONDITIONS

1 This consent to establish is valid for establishing the facility for the manufacture of products/byproducts (Col. 2) at the rate (Col 3) mentioned below. Any change in the product/byproduct and its quantity has to be brought to the notice of the Board and fresh consent has to be obtained.

Sl. No	Description	Quantity /Month
	Products : Ordinary Portland Cement & Blended cement	1.7 MTPA
	Byproduct	-

2. This consent to establish is valid for establishing the facility with the below mentioned outlets for the discharge of sewage/trade effluent. Any change in the outlets has to be brought to the notice of the Board and fresh consent has to be obtained if necessary.

Outlet No.	Description of Outlet	Maximum daily discharge in KLD	Point of disposal
01.	Sewage	3 00 000	On Industry's own land
02.	Trade effluent	Nil	

3. The unit shall provide Sewage Treatment Plant and /or Effluent Treatment Plant as indicated below:

Sl. No.	Name of the treatment unit	Dimension in M	No. of units
Details of STP for Factory			
01.	Bar Screen chamber	0.45 x 2.0	
02.	Grit Chamber	8.0 x 0.6 x 1.2	
03.	Collection cum Equalization tank	3.5 x 3.5 x 2.0	
04.	Aeration Tank	4.25 x 8.0 x 2.5	
05.	Clarifier	4.0 dia x 2.5	
06.	Clari flocculator	4.0 dia x 2.5	
07.	Sludge Drying Beds	3.0 x 4.0	
Details of STP for Colony			
01.	Bar Screen chamber	0.5 x 0.5 x 0.5	
02.	Equalization tank	6.2 dia x 2.55	
03.	Aeration Tank	187M3	
04.	Secondary Settling Tank	4.0 dia x 3.0	
05.	Clarified Water Tank	60M3	
06.	Pressure Sand Filter	1.2 dia	

POLLUTION PREVENTION PAYS

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TAMILNADU POLLUTION CONTROL BOARD

Sl. No.	Name of the treatment unit	Dimension in M	No. of units
07.	Filtered Water Tank	60M3	
08.	Sludge Drying Beds	3.0 x 3.0 x 1.2	

4. Additional conditions:

1. The unit shall operate and maintain the Sewage treatment plant so as to treat the sewage to satisfy the standards prescribed by the TNPC Board.
2. The unit shall utilize the entire quantity of treated sewage for green belt development and other related activities with in the premises.
3. The unit shall ensure that the water used for cooling purpose shall be kept under closed circuit system.
4. The sludge generated from the STP shall be used as manure.
5. The unit shall ensure that no trade effluent shall be generated from the process as reported.
6. The unit shall ensure that no solid waste shall be generated from the process and the dust collected from the various air pollution control equipment shall be recycled in the process.
7. The unit shall not use copper smelter tailing such as granulated slag as iron sources since it contain cadmium, arsenic, and other heavy metals. The unit shall also not to receive any arsenic bearing acidic gypsum from the copper smelting units.
8. The unit shall analyze treated sewage once in a month in the Tamil Nadu Pollution Control Board laboratory to furnish the report to the board periodically.
9. No further expansion or modification of the plant should be carried out without prior consent of the TNPC Board.
10. The unit shall increase the consumption of fly ash up to maximum of 35% for cement production as recommended by BIS.
11. The unit shall continue to develop green belt more in and around the premises.

Sd/*****
MEMBER SECRETARY
TAMILNADU POLLUTION CONTROL BOARD
CHENNAI - 32.

/Forwarded by Order/

For MEMBER SECRETARY.

POLLUTION PREVENTION PAYS

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TAMILNADU POLLUTION CONTROL BOARD
GENERAL CONDITIONS

1. The above consent to establish cannot be construed as consent to operate and the unit shall not commence the operation without obtaining the Consent to operate.
2. The industry shall make a request for grant of consent to operate at least thirty days before the commissioning of trial production.
3. The unit shall construct compound wall around the boundary of the unit.
4. Samples of water from the wells or any other nearby water sources have to be taken by the unit and get them analyzed by the Board Laboratory to develop base line data to assess the existing water quality.
5. The unit shall provide an alternate power source along with separate energy meter for the Effluent Treatment Plant to ensure continuous operation of the Effluent Treatment Plant.
6. The consent does not authorize or approve the construction of any physical structures or facilities, or the undertaking of any work in any natural watercourse.
7. Any change in the details furnished in the conditions has to be brought to the notice of the Board and got approved by the Board, before obtaining consent to operate under the said Act.
8. The unit 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 (if applicable).
9. Consent to operate will not be issued unless the unit complies with all the conditions of consent to establish.
10. In case there is any change in the management, the unit shall inform the change with relevant documents immediately.

Sd/*****
MEMBER SECRETARY
TAMILNADU POLLUTION CONTROL BOARD
CHENNAI - 32.

/Forwarded by Order/

For MEMBER SECRETARY.

11/ct.

POLLUTION PREVENTION PAYS

அகம் தூய்மை வாய்மைக்கு! புறம் தூய்மை வாழ்வுக்கு!



TAMILNADU POLLUTION CONTROL BOARD

POLLUTION PREVENTION PAYS
அகம் தூய்மை வாய்மைக்கு! புறம் தூய்மை வாழ்வுக்கு!