



TAMILNADU POLLUTION CONTROL BOARD

Category of the Industry :

RED



CONSENT ORDER NO. 2408151642427 DATED: 10/10/2024.

PROCEEDINGS NO.F.2726CHN/RM/JCEE-M/TNPCB/CHN/W/2024 DATED: 10/10/2024

SUB: Tamil Nadu Pollution Control Board - RENEWAL OF CONSENT – M/s. M/S. MAK CONTROLS AND SYSTEM PVT LTD , S.F.No. 79 Part of Block No. 48, KONDUNGAIYUR village, Perambur Taluk and Chennai District - Renewal of 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. (Industry User ID- R20CHN34865389)

REF: 1. TNPC Board's Proc. No.T1/TNPCB/F.2726CHN/RM/CHN/W&A/2022, Dated: 23/09/2022.
2. OCMMS Application No. 51642427, Dated: 24-03-2023.
3. IR.No : F.2726CHN/RM/AE/CHN/2024, Dated 07/10/2024.

RENEWAL OF CONSENT 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

The Chairman
M/s . M/S. MAK CONTROLS AND SYSTEM PVT LTD
S.F No. 79 Part of Block No. 48
KONDUNGAIYUR Village
Perambur Taluk
Chennai 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 RENEWAL OF CONSENT is valid for the period ending **March 31, 2028**

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**Joint Chief Environmental Engineer-
Monitoring,
Tamil Nadu Pollution Control Board,
Chennai**



TAMILNADU POLLUTION CONTROL BOARD

SPECIAL CONDITIONS

1. This renewal of consent is valid for operating 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	Unit
Product Details			
1.	Incineration of non bio degradable Municipal Solid waste from Greater Chennai Corporation	50	Tons/Day
2.	Heat energy	1725	KWH
By-Product Details			
1.	Paver Block	2000	Nos/Day
Intermediate Product Details			
1.	ASH from incineration of MSW	2.5	Tons/Day
2.	Carbon (Solid)	10	Kgs/Day

2. This renewal of consent is valid for operating the facility with the below mentioned 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	4.0	On land for gardening
Effluent Type : Trade Effluent			
1.	Trade Effluent	4.0	Recycling to process

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:



TAMILNADU POLLUTION CONTROL BOARD

1. The unit shall abide the action to be contemplated under the provisions of the Water and Air Acts for commencing the construction activity without obtaining Consent of the Board.
2. The unit shall segregate the MSW properly and incinerate only the nonbiodegradable MSW as reported.
3. The unit shall incinerate the non-biodegradable municipal solid wastes obtained from Greater Chennai Corporation without accumulation within the site.
4. Only municipal solid wastes shall be brought to the site and no other wastes shall be processed in the site.
5. The site shall not be used for dumping of municipal solid wastes.
6. The MSW receiving yard shall be made impervious with proper leachate collection system and the leachate collected shall be reused in the compost as well as for the greenery development and it shall not be disposed inside or outside the premises on any account.
7. The unit shall ensure that no leachate finds access to the nearby canal directly or indirectly.
8. Wastes brought to the facility shall not be burnt in open.
9. Proper drainage for the collection and disposal of runoff shall be made so that the runoff does not gain access into the MSW receiving yard/dump yard.
10. The approach roads to the unit's site shall be maintained properly.
11. The metal waste shall be collected exclusively and it shall be disposed to the recycling industries and records shall be maintained for the same.
12. The unit shall properly maintain Bio Digester provided for the treatment & disposal of sewage generated.
13. The unit shall not generate trade effluent other than wet scrubber bleed off from its process activity and the same shall be collected, treated and recycled as reported.
14. The unit shall comply with the standards of processing and treatment of solid waste (incineration) as specified in Schedule II (c) of Solid Waste Management, Rules 2016.
15. The unit shall furnish the chemical constituents of the ash generated (fly ash and bottom ash) and methodologies adopted for the treatment of the same before utilization for manufacturing paver blocks within one month time. If the concentration of toxic metals in incineration ash exceeds the limits specified in the Hazardous Waste (Management, Handling and Trans boundary Movement) Rules, 2008, as amended from time to time, the ash shall be sent to the hazardous waste treatment, storage and disposal facility.
16. The unit shall furnish the characteristics of Carbon within a month's time in order to decide on the utilization of the same for other beneficial use.
17. 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 premises. Instead it shall encourage use of eco friendly alternative such as banana leaf, areca nut palm plate, stainless steel, glass, porcelain plates/cups, cloth bag, Jute bag etc
18. The unit's activity shall not attract any public complaints.
19. 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.
20. Any non-compliance of the consent order conditions, the unit will be liable for such legal section as per the provision of the act including revocation of consent order.

D VASUDEVAN

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VASUDEVAN
Date: 2024.10.10 12:11:00 +05'30'

**Joint Chief Environmental Engineer-
Monitoring,
Tamil Nadu Pollution Control Board,
Chennai**

To
The Chairman,
M/s.M/S. MAK CONTROLS AND SYSTEM PVT LTD,
7/41B, Avinashi Road,
Civil Aerodrome Post,
Coimbatore
Pin: 641014



TAMILNADU POLLUTION CONTROL BOARD

Copy to:

1. The Commissioner, CHENNAI-Corporation, Perambur Taluk, Chennai District .
2. Copy submitted to the Member Secretary, Tamil Nadu Pollution Control Board, Chennai for favour of kind information.
3. The District Environmental Engineer, Tamil Nadu Pollution Control Board, CHENNAI for favour of kind information.
4. File



TAMILNADU POLLUTION CONTROL BOARD



Category of the Industry :

RED



CONSENT ORDER NO. 2408251642427 DATED: 10/10/2024.

PROCEEDINGS NO.F.2726CHN/RM/JCEE-M/TNPCB/CHN/A/2024 DATED:
10/10/2024

SUB: Tamil Nadu Pollution Control Board - RENEWAL OF CONSENT -M/s. M/S. MAK CONTROLS AND SYSTEM PVT LTD , S.F.No. 79 Part of Block No. 48, KONDUNGAIYUR village, Perambur Taluk and Chennai District - Renewal of Consent for the 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- R20CHN34865389)

REF: 1. TNPC Board's Proc. No.T1/TNPCB/F.2726CHN/RM/CHN/W&A/2022, Dated: 23/09/2022.
2. OCMMS Application No. 51642427, Dated: 24-03-2023.
3. IR.No : F.2726CHN/RM/AE/CHN/2024, Dated 07/10/2024.

RENEWAL OF CONSENT 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 Chairman
M/s . M/S. MAK CONTROLS AND SYSTEM PVT LTD
S.F No. 79 Part of Block No. 48
KONDUNGAIYUR Village
Perambur Taluk
Chennai 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 RENEWAL OF CONSENT is valid for the period ending **March 31, 2028**

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**Joint Chief Environmental Engineer-
Monitoring,
Tamil Nadu Pollution Control Board,
Chennai**



TAMILNADU POLLUTION CONTROL BOARD

SPECIAL CONDITIONS

1. This renewal of consent 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.	Incineration of non bio degradable Municipal Solid waste from Greater Chennai Corporation	50	Tons/Day
2.	Heat energy	1725	KWH
By-Product Details			
1.	Paver Block	2000	Nos/Day
Intermediate Product Details			
1.	ASH from incineration of MSW	2.5	Tons/Day
2.	Carbon (Solid)	10	Kgs/Day

2. This renewal of consent 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 Nm ³ /hr
01	Incinerator- 50 T/Day Capacity	Heat harvester, Venturi scrubber, Nozzle chamber, Wet scrubber followed by stack	30	
02	DG Set - 250 KVA	Acoustic enclosures with stack	4	-
II Fugitive/Noise emission :				
Sl. No.	Fugitive or Noise Emission sources	Type of emission	Control measures	
1.	D G Set - 250KVA	Noise	Acoustics enclosed with DG	

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:



TAMILNADU POLLUTION CONTROL BOARD

1. The unit shall segregate the MSW properly and incinerate only the nonbiodegradable MSW as reported.
2. The unit shall operate the APC measures provided and maintain the same efficiently and continuously so as to satisfy the following stack emission standards prescribed in Schedule-II (c) of Solid Waste Management Rules, 2016 for incinerators.
Parameters Emission standard
Particulates 50 mg/Nm³, HCl 50 mg/Nm³
SO₂ 200 mg/Nm³
CO (Standard refers to half hourly average value) 100 mg/Nm³
CO (Standard refers to daily average value) 50 mg/Nm³
Total organic carbon 20 mg/Nm³
HF 4 mg/Nm³
NO_x (NO & NO₂ expressed as NO₂) 400 mg/Nm³
Total dioxins and furans 0.1 ng TEQ/ Nm³
Cd + Th + their compounds 0.05 mg/Nm³
Hg and its compounds 0.05 mg/Nm³
Sb + As + Pb + Cr + Co + Cu + Mn + Ni + V + their compounds 0.5 mg/Nm³
3. The unit shall comply with the standards of processing and treatment of solid waste (incineration) as specified in Schedule II (c) of Solid Waste Management, Rules 2016.
4. The unit shall adhere to the Ambient Air Quality/Ambient Noise Level Standards as prescribed by the Board and monitor the air quality regularly.
5. The unit shall conduct AAQ/SM/ANL survey for the parameters as per Schedule II (c) of Solid Waste Management Rules, 2016 through TNPCB/NABL accredited lab and furnish the report of the same to the Board within a month's time.
6. The unit shall provide online stack sensors for monitoring the parameters PM_{2.5}, PM₁₀, SO₂, NO_x, CO, HCl, HF and other applicable parameters as per Schedule-II (c) of Solid Waste Management Rules, 2016 and connect the same to TNPCB & CPCB server within 2 months time.
7. The unit shall provide surveillance camera with CCTV in the processing site and connect the same to TNPCB & CPCB server within 2 months time.
8. The unit shall carryout performance evaluation study of the incinerator through CPCB /MoEF/NABL approved/recognized institution and furnish report to the Board within 2 months time.
9. Waste to be incinerated shall not be chemically treated with any chlorinated disinfectants.
10. The CO₂ concentration in tail gas shall not be more than 7%.
11. The Incinerator shall be operated (Combustion chambers) with such temperature retention time and turbulence, as to achieve Total Organic Carbon (TOC) content in the slag and bottom ash less than 3%, or the loss on ignition is less than 5% of the dry weight.
12. Odour from unit site shall be managed as per guidelines of CPCB issued from time to time.
13. The unit shall ensure that the stack monitoring facility is as per Emission Regulation Part – 3 (ERP-3) norms for all stacks attached to process & utilities.
14. The unit shall ensure that the port hole & ladder facility is safe to carry out monitoring in place of monkey ladder, spiral type / scaffold ladder for the safety of monitoring personnel.
15. The unit's activity shall not attract any public complaints.
16. The unit shall develop adequate green belt by planting tree saplings of native species in and around the unit premises so as to comply with the Board norms.
17. 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.
18. The unit shall upgrade the incinerator facility with secondary chamber as prescribed in the Solid Waste Management Rules, 2016 if it fails to meet the emission standards as specified in Schedule II (c) of Solid Waste Management, Rules 2016.
19. Any non-compliance of the consent order conditions, the unit will be liable for such legal section as per the provision of the act including revocation of consent order.

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**Joint Chief Environmental Engineer-
Monitoring,
Tamil Nadu Pollution Control Board,
Chennai**



TAMILNADU POLLUTION CONTROL BOARD

To
The Chairman,
M/s.M/S. MAK CONTROLS AND SYSTEM PVT LTD,
7/41B, Avinashi Road,
Civil Aerodrome Post,
Coimbatore
Pin: 641014

Copy to:

- 1.The Commissioner, CHENNAI-Corporation, Perambur Taluk, Chennai District .
 2. Copy submitted to the Member Secretary, Tamil Nadu Pollution Control Board, Chennai for favour of kind information.
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