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TAMIL NADU POLLUTION CONTROL BOARD

CONSENT ORDER NO. : 2905

DATED : 21.05.2005

Proceedings No. : TMPC/00000-036/2002-04

DATED : 21.05.2005

Consent for Establishment under Section 21 of the AIR (Prevention and Control of Pollution) Act, 1986
as amended in 1987.

Sub : TMPC Board - Consent for establishment
MESSRS. MEDICARE INDIA (P) LIMITED,
CHENNAI

for the establishment of take steps to establish the facility under Section 21 of
the AIR (Prevention and Control of Pollution) Act, 1986 as amended in 1987

Ref : 1.YOUR APPLICATION NO.10039 DT.09.10.2004
2.AUTHORISATION NO.1094-0005 DT.22.02.2005

Consent to establish or take steps to establish is hereby granted under Section 21 of the
AIR (Prevention and Control of Pollution) Act, 1986 as amended in 1987 and the Rules and Orders
made there under to
MRS. P. PARULAN,
AUTHORISED SIGNATORY,
M/S. MEDICARE INDIA (P) LTD.,
(hereinafter referred to as 'the applicant') authorizing him/her/ them to establish or take
steps to establish the TQM facility in the site mentioned below:
P.S.NO.136/137,INDOORSEKITHANURAM VILLAGE
SUPPERHOTTAI TALUK-VIRUDUNAGAR DISTRICT

Specie :

This Consent to establish is valid for 100 years, or till the industry obtains
consent to operate under Section 21 of the AIR (Prevention and Control of Pollution) Act, 1986
as amended in 1987 whichever is earlier.

For MEMBERS SECRETARY
TAMIL NADU POLLUTION CONTROL BOARD
CHENNAI

22/5/05

To

MRS. P. PARULAN,
AUTHORISED SIGNATORY,
M/S. MEDICARE INDIA (P) LIMITED,
29, NORTHEN ROAD,
27, NORTHEN ROAD, CHENNAI,
CHENNAI - 600 008.

Copy to : The District Environmental Engineers, Tamil Nadu Pollution Control Board
VIRUDUNAGAR DISTRICT

For information and necessary action.

Copy to : The Commissioner - Executive Officer,
M/S. MEDICARE INDIA (P) LIMITED, VIRUDUNAGAR DISTRICT.

SPECIAL CONDITIONS

1. Details of the products manufactured

SL. NO.	DESCRIPTION	QUANTITY/MONTH
(1)	(2)	(3)

THIS IS COMMON FACILITY TO UNDERGO COLLECTION, TRANSPORT, RECEPTION, STORAGE, TREATMENT AND DISPOSAL OF DOMESTIC WASTE GENERATED FROM HEALTH CARE FACILITIES.

120 T

This consent is to establish is valid for the manufacture of products description and quantity mentioned above. Any change in the above has to be brought to the notice of the Board.

2. The height of following chimneys/stacks shall not be less than the figures indicated below for the discharge of emissions.

Chimney/Stack Number	Description of Chimney / Stack	Point of discharge in Metre (Above ground level)
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1. INCINERATOR
DUST COLLECTOR SET

30 METRE
5 METRE

3. The facility shall install the following Air Pollution Control equipments / measures for the control of emissions generated from the various sources of the plant.

A. For suspended particulate emission

SL. NO.	SOURCE	DETAILS OF CONTROL OF EQUIPMENT
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1. INCINERATOR

DUSTY RUBBER

B. For Gaseous Emission :

SL. NO.	SOURCE	DETAILS OF CONTROL OF EQUIPMENT
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C. For Fugitive Emissions :

Sl. No.	SOURCE	DETAILS OF CONTROL

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7. The unit shall provide sensors connected with the Riscan System for the following locations in the plant.

Sl. No.	Location of the Sensor	No. of Sensor	Parameters

4. The unit shall procure of Ambient Air Quality in respect of the parameter : Number of equipments for continuous monitoring5. The unit shall procure monitoring for the and keep ready. Number of equipments for carrying out stacks parameters

6. The facility shall provide a. Line / automatic continuous stack monitoring unit for the stacks mentioned below :

Sl. No.	SOURCE	STACK	PARAMETERS

INTERFACER

SINZ, MOD. FM, HCL

8. The facility shall provide port holes and sampling facilities for the following stacks as per the (Central Pollution Control Board guidelines).

Sl. No.	SOURCE	STACK

TAMIL NADU POLLUTION CONTROL BOARD

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9. The unit shall provide sufficient acoustic measures for the following equipment.

SL.NO.	SOURCE	TYPE OF MEASURES
	DIESEL GENERATOR SET	

10. The unit shall install separate energy meter for the operation of the following Air Pollution Control equipments.

SL.NO.	SOURCE	AIR POLLUTION CONTROL MEASURES

(Continued in Annexure-1)

For MEMBER SECRETARY
TAMIL NADU POLLUTION CONTROL BOARD
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GENERAL CONDITIONS

- The above consent to establish cannot be construed as consent to operate.
- The applicant shall make a request for grant of consent to operate at least sixty days before the commissioning of trial production.
- The facility shall carryout Ambient Air Quality Survey atleast for THREE seasons for two TWO stations for the collection of baseline data, on the existing Ambient Air Quality level within the plant / outside the plant.
- The applicant shall provide a meteorological station to collect the data on wind velocity, direction, temperature, rainfall etc.
- The facility shall install AMBIENT TWO capacity generator exclusively for the operation of Air Pollution Control measures in case of power failure.
- The facility shall also establish laboratory for analysis of gaseous / particulate emissions.
- Any change in the details furnished in the conditions has to be brought to the notice of the Board and get approved by the Board, before obtaining consent to operate under the said Act.
- Consent to operate will not be issued unless the facility complied with the conditions of consent to establish, otherwise the order of consent to establish already issued will be revoked with immediate effect.

For MEMBER SECRETARY
TAMIL NADU POLLUTION CONTROL BOARD
CHENNAI

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ANNEXURE

SPECIAL CONDITIONS (cont) – AIR ACT

6. All the provisions of the Biomedical Waste (Management & Handling) Rules, 1998 as amended from time to time must be complied with.
7. A vacuum type autoclave shall be set up. The medical wastes shall be subjected to a minimum of one pre vacuum pulse to purge the autoclave of all air. The waste shall be subjected to the following:
 - i. A temperature of not less than 145°C and a pressure of 35 psi for an autoclave residence time of not less than 30 minutes.
 - ii. Medical waste shall not be considered properly treated unless the time, temperature and pressure indicator indicate that the required time, temperature and pressure were reached during the autoclave process. If for any reasons, time temperature or pressure indicates that the required temperature, pressure or residence time was not reached, the entire load of medical waste must be autoclaved again until the proper temperature, pressure and residence time were achieved.
 - iii. Recording of operational parameters: Each autoclave shall have graphic or computer recording devices, which will automatically and continuously monitor and record dates, time of day, and load identification, number and operating parameters throughout the entire length of the autoclave cycles.
 - iv. Validation test
Spore testing: The autoclave should completely and consistently kill the approved biological indicator at the maximum design capacity of each autoclave facility. Biological indicator for autoclave shall be *Bacillus stearothermophilus* spores using vials or spore strips, with at least 1×10^4 spores per millilitre.
 - v. Routine test: A chemical indicator/strips/tape that changes colour when a certain temperature is reached can be used to verify that a specific temperature has been achieved. It may be necessary to use more than one strip over the waste package at different location to ensure that the inner content of the package has been adequately autoclaved.

2	Nitrogen Oxides	450
3	HCl	50
4	Minimum stack height shall be 30m above ground	
5	Volatile organic compound in ash shall be not more than 0.01%	

- e. Online continuous recording type of monitoring system for the temperature control in primary and secondary chamber of the incinerator shall be provided.
 - f. Only low sulphur fuel like LDO/LSHS/Diesel shall be used as fuel in the incinerator.
 - g. Sufficient stock of fuel has to be provided to maintain the required temperature in the primary and secondary chamber of the incinerator.
 - h. Plastic items and other items such as bandages, dressings etc., shall not be burnt in the incinerator on any account.
 - i. The facility shall provide feeding mechanism to the incinerator
 - j. The facility shall ensure that the incinerator is provided with graphic or computer recording devices which shall automatically and continuously monitor and record dates, time of day, batch sequential number and operating parameters such as temperature in both chambers. CO, CO₂ and O₂ in gaseous emission shall also be measured daily (atleast ½ hour at one minute interval). This may be complied within a period of six months.
15. The facility shall provide air pollution control measures such as dust collectors, mist eliminator and venturi type scrubbing system with stack of minimum 30 m height attached to the incinerator.
 16. Sufficient air supply must be ensured in the incinerator for complete combustion to avoid smoking due to incomplete combustion.
 17. Online continuous recording type monitoring shall be provided for monitoring parameters such as particulate matter, NO_x, HCL, in the incinerator stack gas.
 18. The facility shall provide adequate capacity of DG set before commencing the operation.
 19. The facility shall provide stack of adequate height for the diesel generator set as per the Environment (Protection) Rules, 1986 and shall ensure that the emissions satisfy the Ambient Air Quality standards prescribed by the Board.