



මගේ අංකය  
My No. }  
  
ඔබේ අංකය  
Your No. }

PEA/MCK/EPL  
CW/M/12/2021



පළාත් පරිසර අධිකාරිය (වයඹ)  
மாகாண சுற்றுச்சூழல் அதிகாரசபை (வ.மே.மர.)  
PROVINCIAL ENVIRONMENTAL AUTHORITY  
(NORTH WESTERN PROVINCE)



දඹුල්ල පාර, කුරුණෑගල.  
தம்புள்ள வீதி, கුருநாகல்.  
Dambulla Road, Kurunegala, Sri Lanka.

17 /03/2023

Dr. P.H.R.Suraweera,  
Managing Director,  
Wayamba Diagnostic Medical Laboratory (Pvt) Ltd,  
No. 120, Colombo Road,  
Kurunegala.

**ISSUE OF ENVIRONMENTAL PROTECTION LICENCE (EPL).**

**NO. 161, MEHIELLA, KURUNEGALA.**

This refers to the above application submitted by you, to the Provincial Environmental Authority of the North Western Province on the above subject.

The Environmental Protection Licence, numbered 6193/2023 R2 and dated 17/03/2023 is enclosed herewith.

Please note that the company **Wayamba Diagnostic Medical Laboratory (Pvt) Ltd** should be adhered to the conditions (**Eighteen Conditions**) of the EPL, and failure to do so is an offence according to the provisions of the Provincial Environmental Statute No. 12 of 1990

You are kindly informed to submit a renewal application for the EPL, one month prior to the completion of validity period.

Thanking you,  
Yours faithfully,

S.K. Lenaduwa,  
Director  
Provincial Environmental Authority (NWP),  
Dambulla Road,  
Kurunegala,

Copy : Hon.Mayor, Municipal Council, Kurunegala

දුරකථන අංකය }  
Telephone No }  
ප්‍රධානාධිපති }  
Chairman }

037 2228019

ප්‍රධාන  
Secretary

අධ්‍යක්ෂ  
Director

037 2221531

කාර්යාල  
Office

037 2225236

ෆැක්ස්  
Fax

037 2229688

විද්‍යුත්  
Email

pentanwp@gmail.com

Serial No : **5282**

**PROVINCIAL ENVIRONMENTAL STATUTE, NO. 12 OF 1990**  
**ENVIRONMENTAL PROTECTION LICENCE FOR EMISSION AND DISPOSAL OF WASTE ISSUED**  
**UNDER SECTION 21 (1)**

Ms. ....Managing Director, Clinical Waste Incineration Plant -Wayamba Diagnostic Medical Laboratory (Pvt) Ltd ..... of ..... No. 161, Mehiella, Kurunegala ..... Situated within the area of authority of the .....Municipal Council ..... of ..... Kurunegala ..... is/are hereby authorized to discharge/deposit waste and/or emit noise/vibrations/air emissions which may arise as a result of the operation of the said industry/process, in accordance with the standards and criteria prescribed by the Provincial (Environmental Protection and Quality) Regulations No. 1 of 2010 and the Provincial Environmental (Noise control) Regulation No. 04 of the Provincial Environmental Statute No. 12 of 1990.

This license shall be in force from ..... 10/03/2023 ..... to ..... 09/03/2024 ..... unless it is earlier cancelled or suspended.

This license is subject to the general terms and conditions stated overleaf and to the additional terms and conditions stated below;

**Special Terms and Conditions:**

- 1.0 This License is issued in relation to carry out the clinical waste incineration plant situated at the above address.
- 2.0 Wayamba Diagnostic Medical Laboratory (Pvt) Ltd. (WDML) or the occupier is bound to ensure that the terms and conditions stipulated in this certificate are adhered to, during the period of project implementation. The WDML shall have full control over any third party that may be involved in project implementation by entering into agreements, which contain the conditions stipulated in this certificate with such parties. The WDML would be held the responsibility for the breach of any condition by any contractor or any sub-contractor. The PEA-NWP shall have access to the contract documents pertaining to environmental aspects, entered in to by the WDML and any outside contractors.
- 3.0 The WDML shall ensure that clinical waste is segregated and physically separated from non-clinical waste / organic at the points of origin / generation. All non-clinical waste and organic waste shall be collected at a central location and disposed of periodically in an environmentally safe and nuisance free manner in consultation with the Kurunegala Municipal Council.

17/03/2023  
Date

  
 .....  
 Director  
 Provincial Environmental Authority



## General Terms and Conditions

1. The licence shall be valid for such period as may be specified in the license, provided it shall **not** be for more than a period of one year from the date of issue. An application for renewal of the license shall be made at least three months prior to the date of expiry of the license.
2. The holders of the Licence shall permit the Director or any other officer duly authorized in writing by him at any time to enter the premises in respect of which the Licence is issued to examine and inspect any equipment or industrial plant ; and
  - (a) to take samples of any pollutants that are emitted, discharged or deposited from or by such equipment or industrial plant ;
  - (b) to examine books, records or documents relating to the performance or use of such equipment or industrial plant or relating to the emission, discharge or deposition from such industrial plant ;
  - (c) to take photographs of such equipment or industrial plants as he considers necessary or make copies of any books, records or documents seen in the course of such examination; and
  - (d) to take samples of any fuel, substance or material used, in such trade, industry or process carried on in or on such premises.
3. The holder of the Licence shall comply with any requirement communicated from time to time by the Authority as regards :
  - (a) the use of any techniques or installations in the production/process, handling and storage of goods, material, fuel and waste products with a view to minimizing environmental pollution and hazards ; and
  - (b) any additional technical measures for preventing or mitigating environmental pollution and hazards.
4. The holder of the Licence shall ensure that monitoring of environmental pollution or other acts that the authority considers necessary to protect the environment, including the following are done:
  - (a) measurements, calculation, registration of samples to determine actual level of pollution and risk of exposure ;
  - (b) recording and sorting of data and reporting to the Authority ;
  - (c) issuing written instructions to persons employed with regard to handling of hazardous material and installations to protect the environment ;
  - (d) assigning duties and responsibilities to management and staff with regard to protection of the environment ; and
  - (e) ensuring that persons referred to in (c) above, and charged with duties and responsibilities referred to in
  - (d) above are properly qualified persons.
5. This Licence is valid only for the type and nature of the industry/process/operation as stated in the preliminary application and to the information submitted by the Licencee.
6. Any alteration or extension made to the industry, process or operation should be indicated forthwith to the Authority.

- 4.0 Following types of waste should not be incinerated in the incineration plant.
- 4.1 Pressurized gas containers.
  - 4.2 Food residues.
  - 4.3 Large amounts of reactive chemical waste.
  - 4.4 Halogenated plastics such as polyvinyl chloride (PVC).
  - 4.5 Waste contains with high mercury or cadmium such as broken thermometers, fluorescent bulbs, used batteries.
  - 4.6 Sealed ampoules or ampoules containing heavy metals.
  - 4.7 Radio photographic/photographic and silver wastes.
- 5.0 Maximum waste feeding rate to the incinerator shall not exceed 11kg/hr.

## 6.0 NOISE

The maximum noise levels at the boundaries of the premises shall be maintained at on or below 55 dB (A) from 6.00 hrs to 18.00 hrs and at on or below 45 dB (A) from 18.00 hrs to 6.00 hrs during the operations of the project.

## 7.0 AIR EMISSION

- 7.1 Emissions from the incineration plant should be controlled in order to maintain the ambient air quality levels at the boundary of the premises, within the standards specified by the in the extraordinary gazette notification No. 1685/11 and dated 21.12.2010 made under the North Western Provincial Environmental Statute No. 12 of 1990.
- 7.2 The Correct mixture and correct load of waste shall be fed in to the plant for maximizing the efficiency, mitigating environmental impacts (emissions of air pollutants) and reducing maintenance costs as well as enhancing the durability of plant and its components.
- 7.3 The air/ fuel ratio of the kerosene oil burners shall be maintained in order to maintain maximum possible efficiency whilst minimizing the emissions and allowing sufficient air flow for satisfactory incineration.
- 7.4 The secondary chamber shall be controlled by maintaining temperature range between 1,100o c and 1250o c and 2-3 seconds retention time in the same in oder to operate the plant in compliance with proposed standards for volatile organic compounds (vocs) such as dioxin and furan emissions.
- 7.5 The efficiency of this system shall be checked on continuous basis and if any defect is noted, such defects shall be rectified immediately. All necessary required spare accessories shall be kept within the premises for an emergency.
- 7.6 An assessment on the performances of incinerators shall be carried out by the Industrial Technology Institute (ITI) on the direction of the PEA of the NWP whenever required..
- 7.7 The minimum height of stacks should be designed as per the Stationary Source Emission Control Standards gazetted by Central Environmental Authority.
- 7.8 Stationary Source Emission Control Standards, mentioned below should be complied at all times.

Type of Pollutant	Emission limit
Sulfur Dioxide (SO <sub>2</sub> )	70mg/Nm <sup>3</sup>
Nitrogen Oxide (NO <sub>2</sub> )	300mg/Nm <sup>3</sup>
Particulate Matter (PM)	100mg/Nm <sup>3</sup>
Smoke	10%Opacity
Carbon Monoxide (CO)	50mg/Nm <sup>3</sup>
Hydrogen Chloride (HCL)	15mg/Nm <sup>3</sup>
Mercury (Hg)	0.001mg/Nm <sup>3</sup>
Lead (Pb)	0.01mg/Nm <sup>3</sup>
Dioxin/Furan	Shall be controlled by temperature and retention time as defined in regulation 14.

#### 8.0 DISPOSAL OF SOLID WASTE.

- 8.1. Solid waste shall not be burnt in the open air in or outside of the proposed site.
- 8.2. No solid wastes shall be dumped into any water body or at a site where it is likely to enter a water body.
- 8.3. Empty containers of Pharmaceutical waste shall be reused as much as possible and those discarded containers should be incinerated in the plant.
- 8.4. A proper proposal on disposal of ash generated by incinerator should be submitted to this Authority

#### 9.0 HAZARDOUS/SCHEDULED WASTE

Hazardous/Scheduled waste generated shall be separated, collected, stored, transported and disposed of in an environmentally acceptable manner in accordance with regulation published under the extraordinary gazette notification No. 1685/11 on 21.12.2010 by the Provincial Environmental Authority (PEA). Wayamba Diagnostic Medical Laboratory (Pvt) Ltd, shall obtain scheduled waste management license/s for relevant activities mentioned above.

#### 10.0 PHARMACEUTICAL WASTE STORAGE

- 10.1 All chemicals shall be stored in separate rooms provided with a well cemented floor and shall be segregated to prevent inadvertent mixing of incompatible waste.
- 10.2 Any spillage should be cleaned up immediately using suitable absorbent material.
- 10.3 Precautionary measures shall be taken to prevent mixing of clinical waste with storm water surface run off.
- 10.4 Collect any leakage substance in hazard free manner without mixing to soil or water.
- 10.5 Demarcate the storage area and the following statement should be displayed in Sinhala, Tamil and English "Warning; Contains waste (substances) Dangerous to Human Health and the Environment.
- 10.6 Avoid of accumulation of stored materials over a period of time and all storage facilities should be designed in such a way to provide facilities for protection from unauthorized entry of animals, adverse weather conditions such as rain, flood and wind.
- 10.7 Proper record keeping system should be adopted.
- 11.0 Loading, unloading, transport ,handling , storing and incineration of waste materials shall be carried out in such a way that it does not cause a nuisance to the patients/staff of the hospitals and residents in the vicinity by way of emissions, ordour noise, spillages or other means. .



12.0 Cleanliness and good housekeeping practices shall be adopted.

### 13.0 OCCUPATIONAL HEALTH AND SAFETY MEASURES

13.1 Employees engaged in clinical waste handling operations shall be provided with appropriate safety-wear such as face masks incorporated with suitable filters, aprons, gloves, goggles and other safety-wear as necessary. It shall be ensured that the filters of the face masks are replaced on time so that provision does not exist for the inhalation of any toxic vapour. Guidance with respect to the specifications and methodology of use of these safety-wears shall be obtained from the Deputy Commissioner of Occupational Hygiene Division of the Department of Labour.

13.2 Employees engaged in waste handling operations shall be subject to medical tests. If any abnormality is detected immediate action shall be taken to protect the health of the employees.

13.3 All employees in the working area should not be allowed to have food, drinks, to smoke, chew gum to store food, beverages in working areas.

13.4 All employees in the working area must be trained in the specific clinical waste and controls of the materials being handled.

13.5 Health and safety of workers shall be ensured as stipulated in the Factories Ordinance and its amendments

13.6 Any accident which occurs during operations of the plant must be immediately reported to the Provincial Environmental Authority (NWP).

14.0 20µm(20 microns) or less in thickness polythene products shall not be used for any purpose of the project.

### 15.0 SAFETY DURING OPERATIONAL ACTIVITIES

15.1 Fire detection and firefighting system shall be provided, and maintained in proper working order.

15.2 Adequately trained fire fighters should be made available for each working shift. Skills of those fire fighters shall be evaluated regularly.

15.3 Fire protection equipment and facilities shall be made available at suitable locations facility

16.0 Any additional recommendation/condition stipulated by the PEA (NWP) when required for controlling any kind of pollution created by operations shall be strictly adhered to.

### 17.0 EXPANSION / EXTENSION.

17.1 Any expansion or extension to the operation or process shall not be carried out without prior approval of the PEA-NWP.

17.2 Installation or operation of any machineries other than those stated in the project proposal submitted to PEA-NWP, shall not be carried out without prior approval of the PEA-NWP the operation or process shall not be effected without prior approval of the PEA-NWP.

18.0 The Environmental Protection License issued for this project should not be considered as an approval for carrying out this activity at this location. It is only a permit for the discharge of effluents/emissions or emitting of noise/vibration according to the stipulated standards. The trade License of the relevant local authority should be obtained for the operation of the industry at this location.