

**SCHEDULE-IX  
Decision on GEA**

1. Name, address of proponent:

Muhammad Zafar Afridi, Khyber Teaching Hospital (MTI), university road District Peshawar.

2. Description of project:

Medical incinerators are an essential tool for combating diseases across the world, installed at hospital and health care centers, transforming the way waste is disposed off and its environmental impact on communities. Installation of incinerator machine includes provision for disposal of infectious waste which includes clinical and cytotoxic waste. The increase in capacity of hospitals and high flow of In-Patients has resulted in a greater production of bedside clinical infectious waste. For smooth and efficient management of infectious waste, incineration has proved to be the most reliable method.

Project proponents intend to obtain approval for installation of C-P-100 ATI Industries (made in France) incinerator (with the dry scrubber and semi-automatic loading) at Khyber Teaching Hospital Peshawar by submitting GEA report to the Central Directorate of Environmental Protection Agency Peshawar. The submitted General Environmental Approval (GEA) is a legal provision of Khyber Pakhtunkhwa Environmental Protection Act, 2014 and the Khyber Pakhtunkhwa Environmental Assessment Rules 2021.

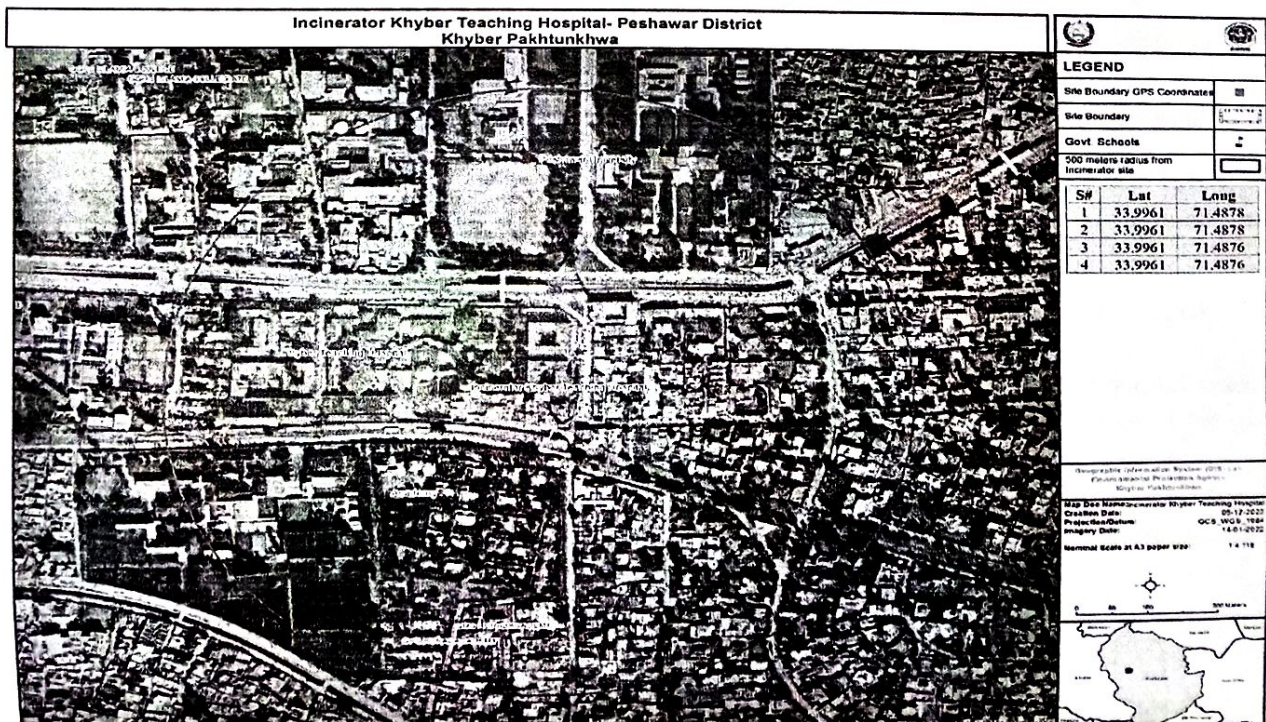
3. Location of Project:

The project is located at Khyber Teaching Hospital (MTI) University road District Peshawar.

4. GPS Coordinates:

S.No	Latitude	Longitude
1	33.9961	71.4878
2	33.9961	71.4876

*M. Z. Afridi*  
**DIRECTOR**  
 Environmental Protection Agency  
 Govt. of Khyber Pakhtunkhwa  
 Peshawar






5. Date of Filing of GEA Report:

14/10/2022

(Ref: EPA Diary No. 170)

6. After careful review, the Central Directorate, Environmental Protection Agency, Govt. of Khyber Pakhtunkhwa has decided to accord approval of the GEA Report of "Hospital Waste Incinerator Model CP-100 with Dry Scrubber and semi-automatic loading." located at Khyber Teaching Hospital (MTI), District Peshawar for **Construction Phase**, in line with the Khyber Pakhtunkhwa Environmental Protection Act, 2014 and Khyber Pakhtunkhwa Environmental Assessment Rules, 2021, subject to the following terms & conditions:-

- a) The proponent shall adopt all precautionary and mitigation measures recommended in the GEA Report submitted to this Agency and any un-anticipated impacts arising during the operation phase.
- b) The Proponent shall ensure the compliance and implementation of the National Environmental Quality Standards (NEQS) for Ambient Air, Noise, Water and gaseous emission during Operation phase of the Project.
- c) The emissions shall be kept within the permissible limits of the National Environmental Quality Standards (NEQS) and the management shall ensure zero emission of toxic gases like Dioxins, Furans, etc.
- d) The proponent shall install continuous emission monitoring system (CEMS) and shall provide access of the same to EPA as and when required.
- e) The effluents (if any) shall not be thrown/discharged directly into nearby drain without proper treatment and NEQS compliance.
- f) The Hospital Waste Management Rules (HWMR), 2005 shall be implemented.
- g) All the waste material shall be kept in closed containers as per the HWMR, 2005, before the incineration process.
- h) The proponent shall install Air Pollution Control System and Waste Water Treatment Plant/settling tanks (if required/necessary) to bring its emission and effluents (if any) in compliance with National Environmental Quality Standards (NEQS), respectively.
- i) The refractive lining of the incinerator shall be replaced/repared after regular interval to ensure proper incineration of the waste and achieve NEQS compliance.  
Proper/sufficient number of burners and blowers shall be installed to achieve the required temperature for incineration of the waste.
- j) The Solid Waste (Ashes from incinerator and Waste/Sludge from waste water treatment plant/settling tanks) shall not be disposed off openly or at municipal solid waste disposal sites. For this purpose, proper agreement shall be made with concerned Cantonment Board Authority and the details of which shall be shared with EPA (Central Directorate, Peshawar). Moreover, the ash produced shall be re-incinerated, solidified, dried and be converted to non-hazardous form before handling over to the service provider for disposal.
- l) Proper stock register shall be maintained at the incinerator area for hospital waste generated and incinerated. Moreover, if possible, the same shall be maintained for ash generated.
- m) Personal Protective Equipment's shall be provided to the workers involved in operational activities of the incinerator. Moreover, health reports of the workers shall be shared with EPA biannually.
- n) Precautionary signboards and Environmental related messages shall be mounted at the project site.
- o) Fumigation shall be ensured on regular basis. SOPs for fumigation shall also be notified and a copy of the same shall be displayed at the project area.

  
DIRECTOR  
Environmental Protection Agency  
Govt. of Khyber Pakhtunkhwa  
Peshawar



- p) The proponent must submit NEQS compliance reports of emission (particulate matter, H<sub>2</sub>S, Furan, Dioxin, CO<sub>x</sub>, SO<sub>x</sub>, NO<sub>x</sub> etc.) and effluents (if any) for Total Dissolved Solids (TDS), Total Suspended Solids (TSS), pH, temperature etc. from Khyber Pakhtunkhwa EPA certified laboratory on quarterly basis.
- q) If any issues come up during execution of the project the proponent shall be made bound to address those issues which are unforeseen and not identified in the GEA Report.
- r) The monitoring team of EPA will visit the Project site to check the terms and conditions of the approval and compliance of the Khyber Pakhtunkhwa Environmental Protection Act, 2014. Furthermore, the management shall facilitate the EPA Monitoring Team at the time of monitoring.
- s) The Agency reserves the right to suggest any additional measures in case of any environment related issues if observed in/around the project site during regular monitoring.
7. The proponent shall be liable for correctness and validity of the information provided in the GEA Report.
8. The proponent shall be liable for compliance of Rule 14, 15, 18, 19, 20 & 21 of the Khyber Pakhtunkhwa Environmental Assessment Rules, 2021 regarding approval, confirmation of compliance, entry, inspections & monitoring.
9. This approval is accorded only for the construction phase of the project the management must obtain separate approval for the operation of the project in accordance with the rule 14 and 15 of the Assessment Rule 2021,
10. The proponent shall comply with the Rule-14 (2) of the Rules, 2021 and shall submit undertaking on stamp paper for compliance of the conditions of approval.
11. Any change in the approved project shall be communicated to EPA, Khyber Pakhtunkhwa and shall be commenced after obtaining the approval.
12. The management is bound to implement any mitigation measures suggested by the Environmental Assessment Advisory Committee after the formulation of GEA Sectorial guidelines.
13. This approval shall be treated as null and void, if all or any of the conditions mentioned above is/are not complied with:
14. This approval does not absolve the proponent of the duty to obtain any other approval or clearance that may be required under any law in force.
15. There shall be no legal case pending in the court against the project.
16. In exercise of the power under Section-13 of the Khyber Pakhtunkhwa Environmental Protection Act, 2014, the undersigned is pleased to approve the GEA Report for **Construction phase** of the aforementioned project with the terms and conditions as mentioned.

Dated: Peshawar 08-12 /2022

Tracking/File.No. EPA/GEA/KTH/Incinerator/Peshawar/22/921-23

Tracking Code:



<https://epakp.gov.pk/environmental-approvals/>

*[Handwritten Signature]*

DIRECTOR  
Environmental Protection Agency  
Govt. of Khyber Pakhtunkhwa  
Peshawar

DIRECTOR (CENTER) 08/12/2022  
EPA-Khyber Pakhtunkhwa,  
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Bar Council Building, Khyber road Peshawar Cantt.