

SCHEDULE-VI
Decision on EIA

1. **Name, address of proponent:** Malik Taj Khalil,
Chief Executive M /S Taj Engineering
Services, Consultant Engineer &
Contrator, Faisal Town, Plot No. 3, Near
Nasir Bagh Road, District Peshawar.
Phone # 0333-1232314
2. **Description of project.** M/S Taj Engineering Services, Consultant
Engineer & Contractor (Pvt.) Ltd. intend
to install combined Bio Medical waste
Incineration Facility for hospital waste at
Plot No. 14 B, Industrial Estate
Hayatabad, Peshawar. Total plot size is
9500 sq.ft. The processes involve the
collection of medical waste already
segregated at source, loading in the
designated and specialized vehicles,
stored in the yellow room at the
incineration point. The burning capacity
of the incinerator will be 200kg/hr. The
proposed incinerator will be consist of
Primary (Temperature 700-1000°C) and
Secondary and post-secondary
(temperature 1000-1200°C) fueled by
Natural Gas/LPG and diesel. Design of
the incinerator is based on British
technology and the proposed plant is
equipped with wet scrubber for air
emissions control. The incinerated ash
will be disposed in ash pits made for the
purpose and then will be disposed after
filling to any designated land fill site in
covered vehicle. Effluents from the
incinerator will be properly treated before
final discharge.
3. **Location of project.** The project is located Plot No. 14 B,
Hayatabad Industrial Estate, Peshawar.
- Coordinates/GIS map:**
- | Latatude | Longitude |
|-----------------|------------------|
| 33.997614 | 71.419078 |
| 33.997628 | 71.419289 |
| 33.997492 | 71.419158 |
| 33.997756 | 71.419072 |



4. **Date of filing of EIA.**

07/06/2021

Ref. (EPA Diary No. 317)

5. After careful review, the Environmental Protection Agency, Govt. of Khyber Pakhtunkhwa has decided to accord approval of the Environmental Impact Assessment of M/S Taj Engineering Services, Consultant Engineer & Contractor (Pvt.) Ltd. for installation of Bio Medical waste Incineration Facility at Plot No. 14 B, Industrial Estate Hayatabad, Peshawar, Khyber Pakhtunkhwa in line with Khyber Pakhtunkhwa Environmental Protection Act, 2014 and Khyber Pakhtunkhwa Environmental Assessment (KPEA) Rules, 2021, for incineration of hospital waste only subject to the following terms & conditions:-

- a) The proponent shall adopt all precautionary and mitigation measures identified in EIA Report, replies submitted to this Agency in response of observations as well as any unanticipated impacts during the construction and operation phase of the project.
- b) Emissions shall be kept within the permissible limit of National Environmental Quality Standards (NEQS) and the Management shall ensure zero emission of toxic gases like Dioxins, Furans, etc.
- c) Effluents shall not be thrown directly into nearby drain without proper treatment and NEQS compliance.
- d) Hospital Waste Management Rules (HWMR), 2005 shall be implemented.
- e) All waste material shall be kept in closed containers as per the HWMR, 2005 before the incineration process.
- f) The proponent will be bound to install Air Pollution Control System and waste water treatment plant / tanks on the incinerator as per submitted documents / design to bring its emission and effluents in compliance with National Environmental Quality Standard (NEQS) respectively.
- g) The Solid Waste (Ashes & Waste from settling tanks) shall be disposed off in impermeable concrete pits in the Project area. The Ashes & Waste shall not be dumped outside the Project area. The ash shall be properly incinerated, solidified, dried and be converted to non-hazardous form before handling over to the service provider for disposal.
- h) Proper agreement shall be made with Local Government/PDA/WSSP/own arrangement for disposal of Ashes & Waste. Details of the same shall be shared with EPA KP.
- i) Proper confined area shall be identified for the storage and collection of the Hospital Waste. Moreover, Stock register shall be maintained for the same.




- j) Plantation shall be done inside the boundary wall and in front of the factory.
 - k) Health safety measure (mask, fire proof jackets, glasses, gloves, shoes, air plugs, helmet etc) should be provided to the workers. Moreover, health reports of the workers shall be submitted to this Agency biannually.
 - l) Employment shall be provided to the local people in technical/non technical jobs.
 - m) The proponent will establish E. tracking & tagging system for the waste collection, handling, transportation & disposal and access of the same shall be provided to EPA KP as and when required.
 - n) The proponent shall install water meter for sustainable use of water.
 - o) Details of agreement made with the hospitals for collection and incineration of hospital hazardous waste shall be submitted to EPA on quarter basis.
 - p) The proponent shall be bound to collect all hazardous waste from the hospital in agreement. However, this Agency shall be informed if the hospital in agreement is reluctant to provide all the hazardous waste.
 - q) ~~The proponent shall install continuous emission monitoring system (CEMS) and shall provide access of the same to EPA as and when required.~~
 - r) Fumigation shall be ensured on regular basis, SOPs for fumigation shall also be notified and a copy of the same shall be submitted to this Agency.
 - s) The proponent shall provide complete detail of hospital waste collection and incineration after regular intervals.
 - t) Proper area shall be specified for washing of the vehicles and the effluents shall be properly treated. No effluents shall be discharged in violation of the NEQS.
 - u) Qualified staff shall be hired for operation of the incinerator and implementation of the hospital waste management rules, 2005.
 - v) The Proponent must submit NEQS compliance reports of emission (particulate matter, H₂S, Furan, Dioxin, CO_xs, SO_xs, NO_xs, etc.) and effluents (TDS, TSS, PH, temperature, etc.) from EPA KP certified laboratory after every two months.
 - w) The refractive lining of the incinerator shall be replaced /repaired after regular interval to ensure proper incineration of the waste and achieve NEQS compliance.
 - x) Proper number of burners and blowers shall be installed to achieve the required temperature for incineration of the waste.
 - y) A contingency / emergency plan shall be submitted to this Agency before operational phase of the project.
 - z) This Agency reserves the right to suggest any additional measures in case of any environment related issues if observed in/around the unit during regular monitoring.
6. The proponent shall be liable for correctness and validity of the information supplied by the environmental consultant.

7. The proponent shall be liable for compliance of Rule 14, 15, 18, 19, 20 & 21 of Khyber Pakhtunkhwa Environmental Assessment Rule, 2021, regarding approval, confirmation of compliance, entry, inspections and monitoring.
8. This approval is accorded only for the construction phase of the project. The proponent will obtain approval for operation of the project in accordance with the KPEA Rules, 2021. The proponent must inform EPA, when construction phase is completed.
9. Any change in the approved project shall be communicated to EPA, Khyber Pakhtunkhwa and shall be commenced after obtaining the approval.
10. This approval shall be treated as null and void if all or any of the conditions mentioned above is/are not complied with.
11. 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.
12. The proponent will testify that there is no legal case pending in the courts against the project.
13. In exercise of the power under Section 13 of the Khyber Pakhtunkhwa Environmental Protection Act, 2014, the undersigned is pleased to approve the EIA Report for construction phase of M/S Taj Engineering Services, Consultant Engineer & Contractor (Pvt.) Ltd. for installation of Bio Medical Waste Incineration Facility at Plot No. 14 B, Industrial Estate Hayatabad, Peshawar, Khyber Pakhtunkhwa with the above mentioned terms and conditions.

Dated: Peshawar 30/06/2022

Tracking/File.No. EPA/EIA/Incinerator/Biomedical/HIE/Pesh/22/286-87.


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