

## SCHEDULE-VII

### Decision on EIA

**1. Name and address of Proponent:**

Project Director KPCIP,  
Project Management Unit, Local Government  
Election and Rural Development,  
Govt. of Khyber Pakhtunkhwa.  
Ground floor, Afzal Apartments, Jamrud Road,  
Phase-III Chowk, Hayatabad Peshawar.


**2. Description of Project:**

The Integrated Waste Management System IWMS within Abbottabad city is beneficial for successful operation of the Solid Waste Management Facility (SWMF) as it provides strategic approach to sustainable management of solid waste covering all sources and all aspects, including generation, segregation, transfer, sorting, treatment, recovery and disposal in an integrated manner, with an emphasis on maximizing resource use efficiency. The operational protocols and modalities of the integrated waste management system (IWMS) have been established to improve environmentally sound practices with respect to waste management and attempting to close existing bottlenecks in the system.

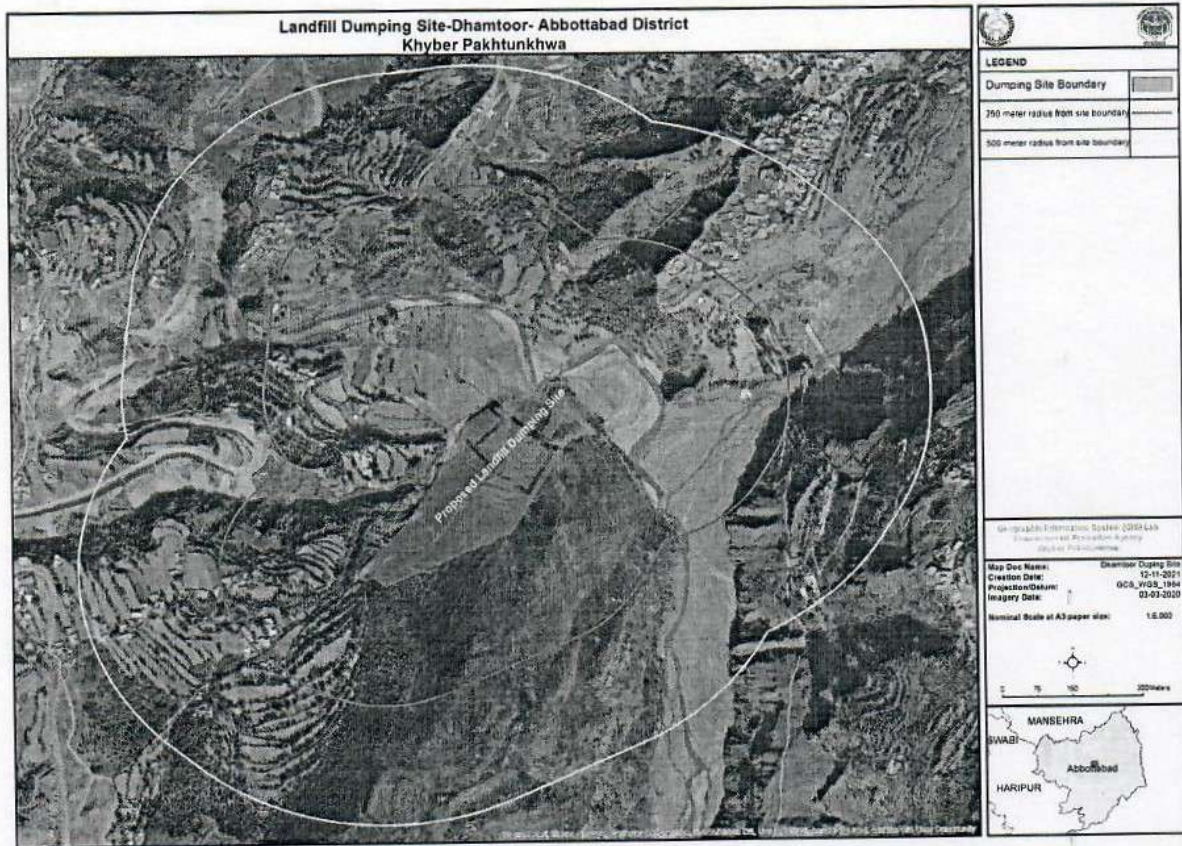
**3. Location of project and**

The project is located in District Abbottabad.

**GPS Coordinates/GIS map:**



Sno.	N	E	Sno.	N	E
1	34.123700	73.265800	9	34.127300	73.269700
2	34.123800	73.266200	10	34.127300	73.268900
3	34.124500	73.266900	11	34.127300	73.268900
4	34.125300	73.267600	12	34.127900	73.267400
5	34.124600	73.266800	13	34.128500	73.269200
6	34.126300	73.268300	14	34.127500	73.270000
7	34.126800	73.268500	15	34.123800	73.266300
8	34.127200	73.269100			



4. **Date of filing of EIA.** 03/03/2021 Ref. (EPA Diary No. 1314)
5. After careful review of the EIA and all the comments thereon, the Environmental Protection Agency, Govt. of Khyber Pakhtunkhwa has decided to accord approval of the Environmental Impact Assessment of **“Abbottabad Solid Waste Management Facility (SWMF) Development”** under Khyber Pakhtunkhwa Environmental Protection Act, 2014 and Khyber Pakhtunkhwa Environmental Assessment Rules, 2021, subject to the following terms & conditions:-
- i) The proponent shall adopt all precautionary and mitigation measures recommended in the EIA Report as well as replies of the proponent submitted to this Agency and any un-anticipated impacts arising during the construction and operation phase of the project.
  - ii) The design of land fill must consider any nuisance that may arise during the construction and operation phase of the landfill including noise, odor, dust, littering, vermin or fire.
  - iii) Detail engineering designs and drawings shall be submitted to the Agency before commencement of the construction activities.
  - iv) A boundary wall shall be constructed around the project site. Moreover, proper security arrangement shall be made to safeguard the dumping site.
  - v) As the site is selected on the basis of Sector Specific Guidelines on Solid Waste Management of International Funds Corporation (IFC) and hence the same shall be followed in letter and spirit.
  - vi) The proponent shall obtain NOC from Mines and Mineral department before construction activities as per requirement.

- vii) Ground water of the area shall be protected and a minimum distance of 1.5 meter shall be maintained between the ground water table and base of the dumping site.
- viii) In case of any contamination to ground waters, surface waters or surround human belongings, the proponent shall be responsible to compensate the same.
- ix) Residential development should be typically further than 250 meters from the perimeter of the proposed landfill cell. Residential houses falling within the radius of 250m shall be acquired before commencement of project activities.
- x) The landfill cells shall be properly bio-engineered & soil and ground water shall be protected from the solid waste/ leachate contamination.
- xi) Prior to operation phase of the project, a 50-meter buffer zone with having 20-meter plantation inside the project area along the boundary shall be established. Thick plantation / buffer zone especially towards the human settlement must be maintained. Moreover, the plantation of Trees of 10-15 feet height shall be carried out around the boundary wall, inside the project area & if possible outside of the boundary wall.
- xii) The landfill cell shall have proper liners as identified in the design. The liner system must be provided at the bottom of the waste cell to prevent any percolation of contamination into groundwater strata. The liner system can either be natural or synthetically made to meet the requirement of permeability and thickness.
- xiii) Landfill gas shall not be allowed to escape directly to the atmosphere. The Landfill Gas needs to be collected through gas pipes & waste cell. The collected gas shall be treated / utilize or disposed of in a safe manner.
- xiv) The storm water drain shall be designed and constructed in such a way that the surface runoff water is diverted from the landfill site and leachate from solid waste do not get mixed with the surface runoff water.
- xv) The ground water quality within 500 meter of the periphery of landfill site shall be periodically monitored to ensure that the ground water is not contaminated. Moreover, five (5) monitoring wells shall be constructed all around the project site for periodic monitoring of ground water, leachates and other leakages.
- xvi) A Committee shall be notified prior to start of project activities comprising representative s from the locality. The Committee will look after all the issues pertaining to the project activities specifically environment & social related issues.
- xvii) The landfill site shall have waste inspection facility to monitor waste brought in for landfilling; office facility for record keeping and shelter for keeping equipment and machinery including pollution monitoring equipment.
- xviii) The operator of the facility shall maintain record of waste received, processed and disposed.
- xix) Provisions like weigh bridge to measure quantity of waste brought at landfill site, fire protection equipment and other facilities as may be required shall be provided.
- xx) A proper fumigation system shall be established on project site.

- xxi) The Material Recovery Facility (MRF) shall be properly managed. Record registers shall be maintained for the same.
- xxii) The hospital/ hazardous waste shall not be disposed off in the landfill site. The biomedical waste/ Hospital Hazardous waste shall be disposed off in accordance with the Hospital Waste Management Rules, 2005.
- xxiii) All vehicles, generators and other equipment shall be properly tuned and maintained in good working condition in order to minimize emission of pollutants.
- xxiv) The MSW trucks/ transportation vehicles shall be appropriately covered / sealed and the waste spillage on the roads during the transportation shall be prevented.
- xxv) Health certificates of the workers working at the plant shall be submitted to this Agency after every six months. Safety provisions including health inspections of workers at landfill sites shall be carried out.
- xxvi) The management shall be bound to adopt any additional mitigation measures suggested by EPA from time to time during construction & operation of the project activities.
- xxvii) During land leveling, the muck/ debris material shall not be disposed off outside the project site. Cut & fill mechanism shall be adopted during construction / development of the project site.
- xxviii) All land/ building/ houses payment/ compensation/ relocation shall be completed before commencement of the project activities. A certificate in this regard shall be submitted to EPA.
- xxix) Ambient air quality at the landfill site and at the vicinity shall be regularly monitored.
- xxx) Landfill closure plan and the site restoration / reuse plan shall be submitted and duly approved from this Agency.
- xxxi) Non-technical jobs shall be provided to the locals and preference shall be given in technical jobs. Moreover, details of the same shall be submitted to EPA.
- xxxii) This approval is issued on the basis of information / documents related to land ownership submitted to EPA. This Agency shall not be responsible for any issue related to land ownership, etc. All such issues to be resolved at proper forum like Revenue Department/ Courts, etc.
- xxxiii) Quarterly Compliance reports of the Environmental Approval including emissions & effluents analysis reports from EPA, Khyber Pakhtunkhwa certified laboratory shall be submitted to this Agency.
- xxxiv) The project area is having steep slope with surface water bodies in the vicinity. In case of rain, project shall have negative impacts on nearby water wells and surface water. The proponent must submit mitigation plan for the same.
- xxxv) Health & Safety sign boards/posters shall be installed in various places within the plant.

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 Rules, 2021, regarding approval, confirmation of compliance, entry, inspections and monitoring.


8. This approval is accorded only for the construction phase of "**Abbottabad Solid Waste Management Facility (SWMF) Development**". Separate Approval shall be obtained for operational phase of the project as per provisions of the Khyber Pakhtunkhwa Environmental Assessment Rules, 2021.
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. There shall be 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 "**Abbottabad Solid Waste Management Facility (SWMF) Development**" with the above mentioned terms and conditions.

Dated: Peshawar: 06/06/2023

Tracking/File No. EPA/EIA/SWM/Abbottabad/23/301-03



QR Code:

  
**Director General**  
**EPA, Khyber Pakhtunkhwa**  
**3<sup>rd</sup> Floor, S.D.U. Building**  
**Khyber Road Peshawar Cantt**