



Zero Tolerance to Corruption
ENVIRONMENTAL PROTECTION AGENCY
CLIMATE CHANGE, FORESTRY, ENVIRONMENT
&
WILDLIFE DEPARTMENT
GOVERNMENT OF KHYBER PAKHTUNKHWA



No. EPA/EIA/Battery-Mfg/ACM Hi-Tech-Unit-2/Hattar/26/ 894-96 Date: 09/01/2026

To

M. Mustafa Bin Talha
M/S ACM Hi-Tech Engineering Pvt. Limited, Unit-2

Address 1: Plot No:148, 149, 150 Phase-V, Industrial Estate Hattar,
District Haripur.

Address 2: House No:10, Street No. 37, F-7/1, Islamabad.

Subject: DECISION ON THE EIA REPORT OF BATTERY
MANUFACTURING UNIT BY M/S ACM HI-TECH
ENGINEERING PVT. LIMITED, UNIT-2, LOCATED AT PLOT
NO:148, 149, 150 PHASE-V, INDUSTRIAL ESTATE HATTAR,
DISTRICT HARIPUR.

With reference to the subject cited above, please find enclosed herewith the Construction phase Environmental Approval/Decision Note on EIA Report of the subject project for your information and further implementation.

Moreover, **Schedule-X** must be submitted to this Agency within a month on Stamp Paper as an undertaking for the compliance of terms and conditions as mentioned in the Environmental Approval as well as mitigation measures proposed in the EIA Report. (Copy enclosed).

Deputy Director (Legal)

Copy for information and necessary action to the;

- Director (North), EPA Northern Directorate, Abbottabad.
- GIS Specialist/AD IT, EPA, HQ, Peshawar.

3rd Floor, SDU Building, Khyber Road, Peshawar Cantt
Telephone: 92 (91) 9210263, Fax: 92 (91) 9210280

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1. **Name, address of proponent:** M. Mustafa Bin Talha
M/S ACM Hi-Tech Engineering Pvt Limited,
Unit-2, Plot No:148, 149, 150 Phase-V,
Industrial Estate Hattar, District Haripur.
House No:10, Street No. 37, F-7/1,
Islamabad.

2. **Description of project.** The project titled M/S ACM HI-TECH ENGINEERING (PVT.) LIMITED Unit-2 pertains to the establishment of a battery manufacturing facility for the production of different types of tubular lead-acid batteries, to be marketed under various brand names including Volta Batteries, Osaka Batteries, MCB Batteries, and other allied brands. The project is proposed by M/S ACM Hi-Tech Engineering (Pvt.) Limited. The proposed facility is to be installed at Plot Nos. 148, 149, and 150, Phase-V, Industrial Estate Hattar, District Haripur, Khyber Pakhtunkhwa. The total available land area for the project is over six (06) acres, which will be utilized for production units, storage areas, and supporting infrastructure. The manufacturing process will involve the use of three primary categories of raw materials, namely inorganic lead compounds, sulfuric acid to be used as the electrolyte, and polypropylene for battery casing. In addition, the alloy used for grid casting will contain approximately 2 percent arsenic. The proposed production capacity of the unit is 3.5 lakh batteries per month. The total estimated capital cost of the project is PKR 600 million. Power requirements for the project will be met through WAPDA supply, with standby diesel generators available to ensure uninterrupted operations.

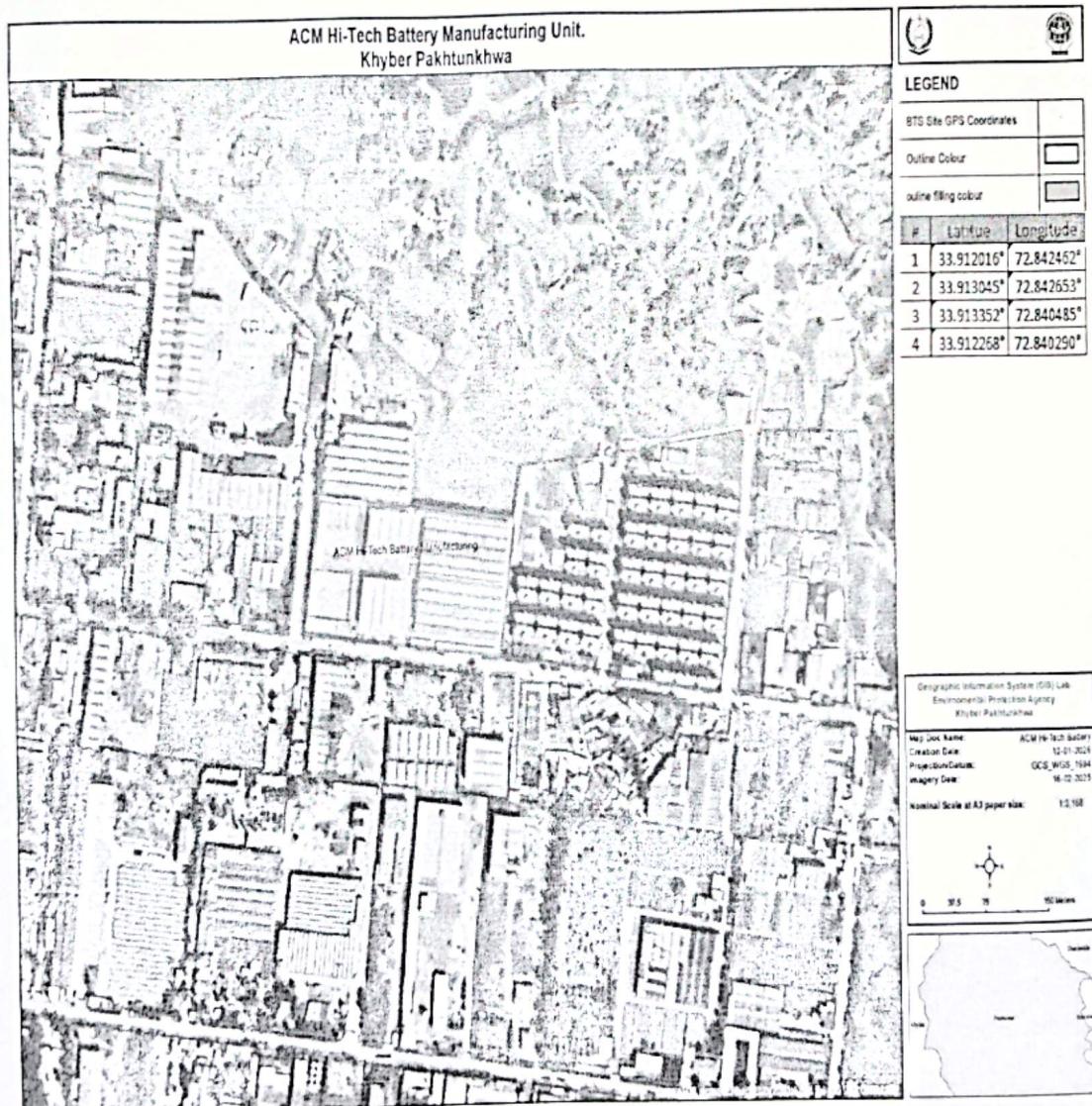
3. **Location of project.** Plot No:148, 149, 150 Phase-V, Industrial Estate Hattar, District Haripur

4. **Date of filing of EIA.** 15/09/2025 (Diary No. 2119)

5. **GPS Coordinates and Map.**

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#	Latitude	Longitude
1	33.912016°	72.842462°
2	33.913045°	72.842653°
3	33.913352°	72.840485°
4	33.912268°	72.840290°



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6. After careful review and subsequent submission of administrative penalty i.e Rs.500,000/PKR, by the project proponent on 09-01-2026, the Environmental Protection Agency, Government of Khyber Pakhtunkhwa has decided to accord Construction Phase Environmental Approval on the Environmental Impact Assessment (EIA) Report of "**M/S ACM HI-TECH ENGINEERING PVT LIMITED Unit-2, located at Plot No:148, 149, 150 Phase-V, Industrial Estate Hattar, District Haripur, Khyber Pakhtunkhwa.**" in accordance with the Khyber Pakhtunkhwa Environmental Protection Act, 2014, the Khyber Pakhtunkhwa Environmental Assessment Rules, 2021 and the decision taken under Agenda item No.06 of the 2nd Environmental Protection Council (EPC) meeting held on 11/09/2024 followed by Administrative Department Notification No. SO(Env)/CCFE&WD/4-2/2023/EPC/V-III dated 22/01/2025. Furthermore, the proponent shall have to obtain NOCs required from other departments under the prevailing laws/rules of the Provincial Government. This approval shall be governed by the following terms and conditions: -

- a) 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.
- b) Effluents and emissions from the unit, including those from generators, shall be kept within the permissible limits of National Environmental Quality Standards (NEQS). The pollution control system must be properly maintained and operational, and if it fails to comply with NEQS, it shall be upgraded or replaced with the latest technology to ensure compliance.
- c) The proponent shall submit quarterly compliance report of the conditions of Environmental Approval along with emissions, effluents and noise analysis reports to EIA Cell from EPA Khyber Pakhtunkhwa certified laboratory.
- d) The proponent must conduct third-party environmental audits every year to assess compliance with environmental standards, and submit reports to the KP- EPA, EIA Cell.
- e) The Wastewater Treatment Plant (WWTP) shall be fully operational with verified capacity to treat peak wastewater load prior to commissioning. A third-party performance verification report from an EPA-certified laboratory must be submitted to KP-EPA confirming compliance with NEQS. In case of any WWTP malfunction, all operations must cease immediately and may resume only after compliance is restored and re-verified by EPA.
- f) Water sprinkling shall be carried out where required to reduce the public nuisance caused by the dust emissions.
- g) The proponent shall establish permanent access to the sampling point for future monitoring and analysis of stack emissions.
- h) Emissions controls measures shall be adopted in case of repair/maintenance of the pollution control system of the unit. Moreover, when the pollution control system is out of order, the unit shall not be operated. Furthermore, proper record of filters shall be maintained.
- i) The treated effluents shall meet NEQS limits for lead, arsenic and other heavy metals and submit quarterly analysis report.
- j) The proponent shall submit quarterly ambient air analysis report from EPA Certified lab in the presence of EPA staff at the unit's boundaries/corners during operation to validate the effectiveness of air pollution control systems such as HEPA filters or baghouses.

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- k) Conduct quarterly stack emissions testing from EPA certified lab in the presence of EPA staff to verify whether emission control equipment/system (e.g bag filters, dust collector or wet scrubbers etc) complies with NEQS.
- l) The medical surveillance program shall be implemented as described. Quarterly Blood lead level (BLL) reports for all the employees certified by an approved occupational health clinic must be submitted to this Agency.
- m) The proponent shall ensure on-site showers, PPE laundering and contamination control measures for lead and other heavy metals exposure management.
- n) The proponent shall submit quarterly compliance report from EPA Certified lab confirming the effectiveness of lead dust containment systems in the tube filling areas.
- o) Personal Protective Equipment (PPE) like Masks, Fire Proof Jackets, Gloves, Goggles, Helmets, etc. must be provided to the workers and ensure its usage during the working hours. Furthermore, other health and safety Equipment like first aid box, signboards, etc. shall be installed/maintained inside the Factory premises/workplace as per standard practices /protocols.
- p) The proponent must provide training for personnel on safety protocols, environmental compliance, proper handling and emergency response procedures related to chemical storage.
- q) Conduct regular health check-ups for workers exposed to the hazardous substances and maintain medical record to comply to health and safety regulations adopted by the KP EPA/other government departments.
- r) The proponent shall implement proper and safe storage measures for all chemicals to ensure compliance with safety and environmental regulations.
- s) All lead plates and lead-bearing materials shall be stored exclusively within a designated, fully enclosed shed. this shed shall feature, impervious flooring with secondary containment barriers to completely eliminate any risk of leaching due to rainfall and to prevent soil contamination.
- t) Batteries must be stored in designated, secure areas with secondary containment to prevent leaks or spills, and the storage areas must be regularly inspected.
- u) Proper confined area shall be allocated to the scrape/raw materials and the final product.
- v) The proponent must establish advanced wastewater treatment system, including ion exchangers and a precipitating mechanism for handling of strong acids and toxic heavy metal.
- w) The proponent must install a pH meter at the outlet of the wastewater treatment plant to monitor effluent quality.
- x) The proponent must conduct lead smelting process in a controlled environment to ensure safety and compliance with all relevant regulations.
- y) The water used in the process shall be re-used/recycled to maximum possible times. The effluent (if any) shall be properly treated before final discharge in compliance of the NEQS.
- z) Water meters shall be installed for keeping in check the sustainable water usage.
- aa) The ground/surface water and soil shall be protected from all kind of pollutions/contaminations.
- bb) The proponent shall sign a contract with a certified vendor for solid waste.
- cc) Sufficient mitigations shall be adopted for the control of noise pollution.
- dd) The proponent shall install an updated fire extinguishing system and implement a fire protection plan as per the standards required by Rescue 1122.

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ee) The proponent shall ensure that Rescue 1122 is formally integrated into the Emergency Response Plan, including defined coordination mechanisms, communication protocols, and emergency contact arrangements, and that the same is kept updated at all times.

ff) Proper parking area shall be identified for the vehicles inside the factory premises. Traffic congestion shall be avoided on main access road.

gg) A comprehensive CSR document, keeping in view quantum of project activities, having activities with proper funds allocation shall be shared with EPA before finalization for approval of EPA.

hh) Plantation shall be carried out as per the submitted plantation plan with priority to indigenous/local species along with fund allocation for additional plantation on seasonal basis to counter carbon emissions.

ii) For safe disposal of the residue/byproduct, proper contract shall be signed with the contractor and copy of the same shall be provided to EPA.

jj) As committed, electricity from WAPDA shall be utilized as the primary source of power.

kk) Non-technical jobs shall be provided to the locals and preference shall be given to the locals in technical jobs. Moreover, maximum wages shall be paid to the workers as per prevailing Government rules.

ll) Proper funds shall be allocated in the EMP for environmental improvement & awareness like celebration of environment days, facilitation in environmental monitoring, plantation etc. Activities shall be carried out in this regard in coordination with EPA KP.

mm) Any future expansion, technological modification, or change in raw material/production line must be communicated to EPA and necessary approvals obtained prior to implementation.

nn) The proponent shall ensure complete implementation of the Emergency Response Plan (ERP) as described in the EIA report.

oo) A dedicated hazardous waste storage area with impervious flooring, covered roofing, proper ventilation and restricted access shall be developed at the site. Moreover, all hazardous waste shall be handled, labeled, stored, and transported in compliance with the Hazardous Substances Rules, and records must be maintained and made available during inspections.

pp) The proponent shall ensure that sulfuric acid is stored exclusively within a fully enclosed, dedicated storage hall equipped with impervious, paved flooring and appropriate secondary containment at all times.

qq) The proponent shall display environmental approvals, safety instructions, and emergency contact numbers prominently on-site.

rr) The proponent shall establish and disclose a grievance redress mechanism for addressing public complaints during the construction and operation phase of the project. Details shall be submitted to this Agency at the earliest.

ss) The management shall be bound to adopt any additional mitigation measures suggested by EPA, as and when warranted, based on site inspections, complaints, or monitoring reports, during the construction and operation phases of the project.

7. The proponent shall be liable for correctness and validity of the information provided by the environmental consultant.

8. The proponent shall be liable for compliance of Rule 14, 15, 16, 18, 19, 20 and 21 of the Khyber Pakhtunkhwa Environmental Assessment Rules, 2021 regarding approval, confirmation of compliance, entry, inspections and monitoring.

9. This approval accorded by the Agency under section 13 of the Khyber Pakhtunkhwa Environmental Protection Act, 2014, and shall be valid, for

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commencement of construction for a period of two years from the date of issuance.

10. This approval is accorded only for the construction phase of the project (Only for the Battery Processing Unit installation/construction). The proponent will obtain separate approval for installation and operation of generators as well as operation of the battery unit in accordance with Khyber Pakhtunkhwa Environmental Assessment Rules, 2021.
11. Any change in the approved project design shall be communicated to EPA, Khyber Pakhtunkhwa and shall be commenced after obtaining the approval.
12. This approval shall be treated as null and void, if all or any of the conditions mentioned above is/are not complied with:
13. 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.
14. There shall be no legal case pending in the courts against the project.
15. 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 of "**M/S ACM HI-TECH ENGINEERING PVT LIMITED Unit-2, located at Plot No:148, 149, 150 Phase-V, Industrial Estate Hattar, District Haripur, Khyber Pakhtunkhwa.**" only with above terms and conditions mentioned.

Dated: Peshawar 09/01/2024

Tracking/File.No. EPA/EIA/Battery-Mfg/ACM Hi-Tech-Unit-2/Hattar/26/894-96

QR Code:



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



**DIRECTOR GENERAL,
EPA, KHYBER PAKHTUNKHWA,
3RD FLOOR, S.D.U. BUILDING,
KHYBER ROAD PESHAWAR CANTT.**