



ENVIRONMENTAL PROTECTION AGENCY

CLIMATE CHANGE, FORESTRY, ENVIRONMENT
&
WILDLIFE DEPARTMENT
GOVERNMENT OF KHYBER PAKHTUNKHWA



No. EPA/EIA/Chemicals/M/S Alchemist/Mardan/23/361-63

Date: 26/10/2023

To

Mr. M. Sharif,
Managing Director/ proponent,
M/S Al Chemist Chemicals PVT. Ltd,
Rashakai Special Economic Zone, Wali Interchange
Peshawar-Islamabad Motorway,
Mardan.
Cell # 0331-3020030.

Subject: **DECISION ON THE EIA REPORT OF M/S AL CHEMIST
CHEMICALS (PRIVATE) LTD, RASHAKAI SPECIAL
ECONOMIC ZONE MARDAN.**

With reference to the subject cited above, please find enclosed herewith the 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).


Director General

Copy for information and necessary action to the;

- Director (Centre), EPA Central Directorate, Peshawar.
- GIS Specialist, EPA, HQ, Peshawar.

SCHEDULE-VI
Decision on EIA

- 1. Name, address of proponent:** Mr. M. Sharif,
Managing Director/ proponent,
M/S Al Chemist Chemicals PVT. Ltd,
Rashakai Special Economic Zone,
Wali Interchange,
Peshawar-Islamabad Motorway,
Mardan.
Cell # 0331-3020030

- 2. Description of project.** Sulfuric acid is the largest industrial chemical produced by volume in the world (200 million tons per year). Concentrated sulfuric acid (93-98 %) is used in the manufacture of fertilizers, explosives, dyes, and petroleum products. The starting material for proposed sulfuric acid manufacturing is clean, dry sulfur dioxide (SO₂) gas. This can be obtained by burning molten sulfur, from metallurgical off-gases or by decomposing spent sulfuric acid. Over the last decades the contact process has been used to produce sulfuric acid, replacing the traditional «Lead Chamber» process which dates back to the 18th Century. The proposed project site is located at 34.074324 N, 72.146897 E, in Rashakai Special Economic Zone, District Mardan. Total area of the proposed project is 2.6 acre measuring 113256 Square-feet. The proponent requires environmental approval for the said project from Khyber Pakhtunkhwa Environmental Protection Agency under section 13 of KP EPA act 2014. The company will use an advance technology in Sulphuric Acid i.e.; D.A.D.C (Double Contact Double Absorption) In this process the product



gases (SO₂) and (SO₃) are passed through absorption towers twice to achieve further absorption and conversion of SO₂ to SO₃ and production of higher-grade sulfuric acid.

3. **Location of project.**

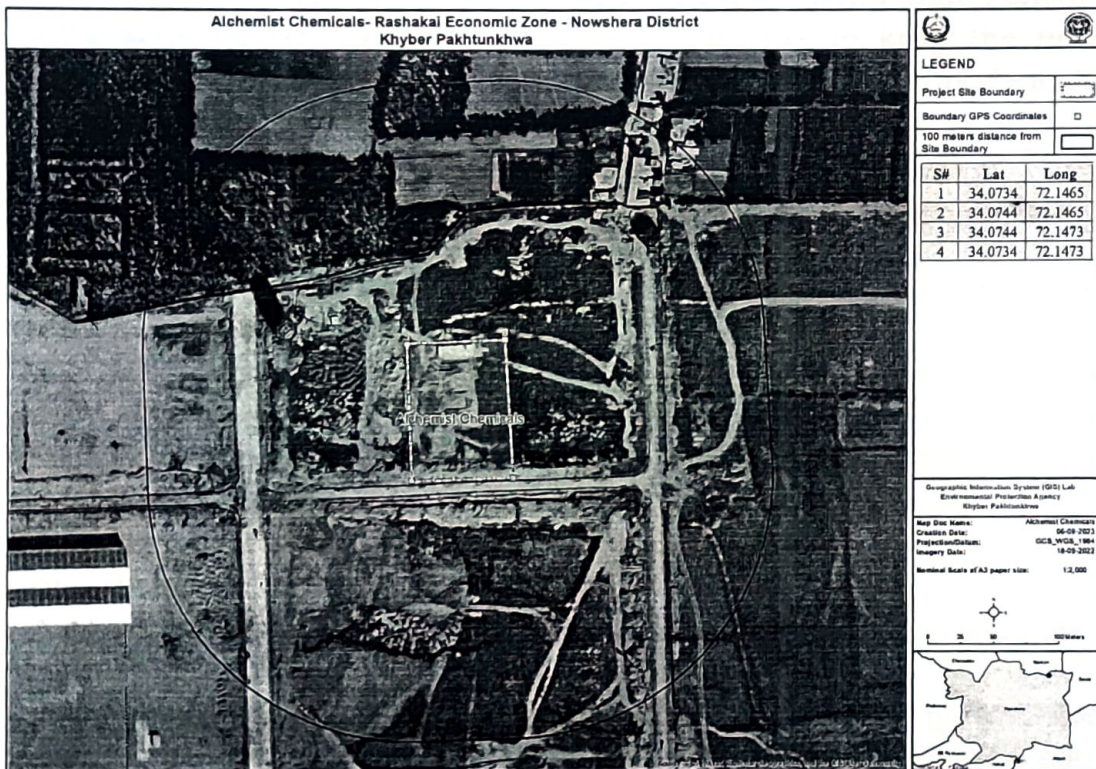
Plot No. 10 D, Phase 01, Rashakai Special Economic Zone, Marḍan

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

06/03/2023, Ref. (EPA Diary No.573-A)

5. **GPS Coordinates and Map.**

S#	Lat	Long
1	34.0734	72.1465
2	34.0744	72.1465
3	34.0744	72.1473
4	34.0734	72.1473



6. After careful review, the Environmental Protection Agency, Govt. of Khyber Pakhtunkhwa has decided to accord approval of the Environmental Impact Assessment of **M/S AL CHEMIST CHEMICALS (PRIVATE) LTD, RASHAKAI SPECIAL ECONOMIC ZONE MARDAN** in line with Khyber Pakhtunkhwa Environmental Protection Act, 2014 and Khyber Pakhtunkhwa Environmental Assessment (KPEA) Rules, 2021, 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) All the emissions / waste gases discharge shall be kept within the permissible limit of National Environmental Quality Standards (NEQS) and the Management shall ensure zero emission of toxic/hazardous gases from the unit. A proper pollution control system shall be installed for this reason. However, in case the system fails to achieve the compliance of NEQS, the proponent shall replace the same with advance and more efficient air pollution control system or as recommended by the Agency.
- c) Waste water treatment plant shall be constructed for treatment of effluents, if any, to achieve the compliance of NEQS. Besides, the proponent shall preferably ensure zero discharge of effluents and shall reuse the waste water after treatment.
- d) Noise pollution caused by equipment and operations that generate loud noise shall be controlled by acoustic treatments to keep the noise level within permissible limits of NEQS. Machineries shall be properly maintained and lubricated.
- e) Ceramics waste such as broken bricks etc. shall be collected and utilized as a base beds for the concrete pad inside the factory premises. No such waste shall be disposed off to the outside.
- f) Solid / municipal waste generated during operational stage shall be properly disposed of.
- g) Disposal plan for chemical / hazardous waste, if any, shall be submitted to this Agency before commencement of operational activities.
- h) Raw sulphur shall be stored in a properly confined area under shed so as to avoid wash away with rain water.
- i) Plantation of 200 trees including Chinar of at least 10 ft height shall be carried out in the open spaces of the factory as per submitted plan. Moreover, seasonal plantation campaign shall be launched with intimation and invitation to this Agency.
- j) Health safety measure (mask, fire proof jackets, glasses, gloves, shoes, air plugs, helmet etc) should be provided to the workers. Moreover, concerned labor laws implementation shall be ensured.
- k) Fire extinguishers, first aid box etc shall be installed inside the factory in case of any emergency. Moreover, health reports of the workers shall be submitted to this Agency biannually.
- l) Non-technical jobs shall be provided to the locals while locals shall be preferred in provision of technical jobs. Details of the same shall be shared with this Agency.



- m) The proponent shall install scrubbing machinery or treatment process for H₂S gas.
 - n) The proponent shall install SO₂ sensor on the stack to monitor the excess emissions regularly.
 - o) The proponent shall construct leakage proof Sulphur pits.
 - p) The proponent shall install water meters on all water extraction sources for sustainable use of water.
 - q) Environmentalists/Environmental Engineers shall be hired for effective implementation of Environmental Management Plan and Health Safety & Environmental concerns.
 - r) The Proponent must submit NEQS compliance reports of emission and effluents form EPA KP certified laboratory on quarter basis.
 - s) Proper budget shall be allocated for CSR activities. The activities shall be based on demands of the locals including but not limited to providing paid internship opportunities to fresh graduates, facilitating educational institutions, hospitals/BHUs etc.
 - t) The proponent shall arrange awareness sessions for the employees regarding waste management.
 - u) Health & Safety sign boards/posters shall be installed in various places within the plant.
 - v) Proper funds shall be allocated in the EMP for environmental improvement & awareness. Activities shall be carried out in this regard in coordination with EPA KP like celebration of Environment days, facilitating environmental awareness and monitoring activities.
 - w) A contingency / emergency plan shall be submitted to this Agency before operational phase of the project.
 - x) Quarterly Compliance reports of the Environmental Approval including emissions & effluents analysis reports from EPA, Khyber Pakhtunkhwa certified laboratory shall be submitted to this Agency.
 - y) The proponent shall be bound to make changes in the design and capacity of the proposed machinery and equipment or replace the same as per recommendations of EPA, Khyber Pakhtunkhwa if the desired compliance is not achieved.
7. The proponent shall be liable for correctness and validity of the information supplied by the environmental consultant.
8. 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.
9. This approval accorded by the Agency under section 13 of the Khyber Pakhtunkhwa Environmental Protection Act, 2014, and shall be valid, for



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. 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.
11. Any change in the approved project 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. The proponent will testify that there is 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 for construction phase of **M/S AL-CHEMIST CHEMICALS (PRIVATE) LTD, RASHAKAI SPECIAL ECONOMIC ZONE MARDAN** with the above mentioned terms and conditions.


Dated: Peshawar 26/10/2023

Tracking/File. No. EPA/EIA/Chemicals/M/S Alchemist/Mardan/23/361-63

QR Code:



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


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