OP-2023

COMPLIANCE STATUS REPORT

Confirmation of Compliance for Construction of New Paints and Coatings Factory by M/S Akzo Nobel Pakistan

LOCATED AT

Plot No 120, 121 Allama Iqbal Industrial City - SEZ, Faisalabad

PROPONENT

Mr. Rizwan Afzal

PREPARED BY

TTI TESTING LABORATORIES

ISO/IEC 17025 Accredited Laboratory
ISO/IEC 17020 Accredited Laboratory
CPSC Accredited Laboratory
EPA Certified Testing Laboratory
OGRA Approved Lab
PSQCA Approved Inspection Agency

347-S, Quaid-e-Azam Industrial Estate, Kot Lakhpat, Lahore – 54770, Pakistan.
UAN: 111-786-001 Ext: 149 URL: www.ttilabs.net

Project Cost:

PKR 3491 million

EXECUTIVE SUMMARY

The EPA Punjab has accorded Environmental Approval for "**Construction of New Paints and Coatings Factory by M/S Akzo Nobel Pakistan Limited at Plot No 120, 121 Allama Iqbal Industrial City - SEZ, Faisalabad"**. Said project is paint and coating unit by M/S AKZO NOBEL PAKISTAN LTD. The EPA Environmental Approval for Construction Phase Number is **NO.DD (EIA)/EPA/F-51(EIA)/2022/465 dated 29/08/2022** (Copy of letter is attached in annexure).

This report presents the environmental compliance and completion report of the project for the purpose of according Environmental Approval for its operation phase. The purpose of this study is met by ensuring the compliance of conditions addressed under Environmental Approval of Construction Phase and environment friendly operation. The report provides relevant information, as to help the decision makers; i.e., EPA Punjab for the issuance of Environmental Approval for operation of the said project. This report has been prepared by **Tti Testing Laboratories** in the light of the **Regulation 13 (2) (b)** of the Review of **IEE/EIA Regulations 2022.**

This report pertains to the Environmental Management Plan for the operation phase of the said project assuring compliance of the conditions stated in the Environmental Approval of construction phase. Impacts during operational phase is mitigated in environment friendly manner.

All potential environmental concerns associated with the operation of the project have been adequately addressed; the proponent has either complied with the conditions of Environmental Approval or has agreed upon complying with the conditions and is ready to act in accordance with the guidelines given in the EIA report. The operation of the Said project generates additional job opportunities for the local residents, leading towards the reduction of poverty. So, the operation of the project does not cause any adverse impact on the local (physical as well as social) environment as mitigation measures are suitably implemented.

The objective of preparation of this environmental study is to ensure the compliance of the conditions contained in the accorded Environmental Approval and environment friendly operation. It is accordingly recommended that Environmental Approval for the operation of the project should be issued by the Punjab Environmental Protection Agency.

Salient features of project:

Project Title:	Construction of New Paints and Coatings Factory by M/S Akzo Nobel Pakistan Limited.
Project Location:	Akzo Nobel Pakistan Limited Plot No 120, 121 Allama Iqbal Industrial City - SEZ, Faisalabad.
Name of organization	Tti Testing Laboratories
Preparing report total area	200 Kanal
Source of Water	Groundwater
Cost of Project	PKR 3491 million approx.
Capacities	
Paints (Water and Solvent Borne)	22754 m^3
Coatings	3108 m^3
Wastewater Treatment Plant	40 m^3/day

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LIST OF ANNEXURES

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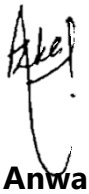
Following key persons are involved in environmental survey and preparing the Environmental Compliance and Completion report.



Azka Anwar
Environmentalist
PU, Lahore



Humaira Maqsood
Chemical Engineer
PU, Lahore

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SECTION 1

INTRODUCTION

SECTION 1

INTRODUCTION

1.1. Project Introduction

The EPA Punjab has accorded Environmental Approval for "**Construction of New Paints and Coatings Factory by M/S Akzo Nobel Pakistan Limited at Plot No 120, 121 Allama Iqbal Industrial City - SEZ, Faisalabad**. Said project is paint and coating unit by M/S AKZO NOBEL PAKISTAN LTD with estimated production capacity given in table below. The EPA Environmental Approval for Construction Phase Number is **NO.DD(EIA)/EPA/F-51(EIA)/2022/465 dated 29/08/2022** (Copy of letter is attached in annexure).

Table 1: Capacity of the Unit

Sr. No	Products	Capacity
1.	Paints	22754KL
2.	Coatings	3108KL
3.	Wastewater Treatment Plant	40 m^3/day

The development of any project leads to positive and negative changes in environment and social set up of study area. The objective of preparation of this environmental study is to ensure the compliance of the conditions contained in the accorded Environmental Approval for construction phase and environment friendly operation. It is accordingly recommended that Environmental Approval for the operation of the project should be issued by the Punjab Environmental Protection Agency.

Project Site

Project site is located at Plot No 120, 121 Allama Iqbal Industrial City- SEZ, Faisalabad. Google map is given below:



Figure 1: Project Location

Table 2: Project Proponent Details

Name of Project Proponent	**Mr. Rizwan Afzal**
Designation	Chief Executive Officer (CEO)
Address	346 Ferozepur Rd, Block R Model Town, Lahore, Punjab
Name of Contact Person	Mr. Saad Shahid
Contact	+92 42 11178601

1.2. Environmental Consultants

For the preparation of the CSR of the proposed project, the proponent has hired the services of the environmental consultants; **M/S Tti Testing Laboratories** (Environment Division). Team comprising of environmental engineers, chemical engineers, environmental experts and environmentalists has worked on this report. Tti has a country-wide network of Labs and customer centers including a state-of-the-art purpose-built main testing facility in Lahore followed by liaison offices in Karachi, Faisalabad and Sialkot. Tti also has a global presence in 17 different countries with 22 states of the art laboratories around the world through its global strategic multinational partner Modern Testing Services with more than 2000 Employees.

Global Recognition and International Accreditation:

- ISO/IEC 17025 Accreditation (Testing Services)
- ISO/IEC 17020 Accreditation (Inspection Services)
- US CPSC Accredited Lab
- EPA (Punjab) Certified Laboratory
- NEXT Accredited Laboratory
- Arcadia Accredited Laboratory
- Our environmental services include:
- The fully equipped environmental division exists, capable to conduct detailed analysis and monitoring by technical and well-trained professionals on following items as per national as well as international standards and procedures:

- **Environmental Compliance Studies**
  - Initial Environmental Examination
  - Environmental Impact Assessment

- Socio-Environmental Impact Assessment
- Green House Gas Estimation
- Environmental Management Plan

- **Air Monitoring Services**
  - Ambient Air Quality Monitoring
  - Vehicular Emissions Monitoring
  - Indoor Air Quality Monitoring
  - Stack Emissions Monitoring
- **Water Analysis/Monitoring Services**
  - Drinking Water Analysis
  - Waste Water Analysis
  - Surface Water Analysis
  - Flow Monitoring
- **Solid Waste Analysis Services**
  - Chemical Analysis of Sludge
  - Chemical Analysis of Solid Waste
- **Occupational Health & Safety**
  - Noise Level Monitoring
  - Lux Level Monitoring
  - Dust Monitoring
  - VOCs Monitoring

Contact Details:

Table 3: Consultant Details

Focal Section	Tti Testing Laboratories (Environment Division)
Address	347-S, Quaid-E-Azam Boulevard, Quaid e Azam Industrial Estate, Lahore, Punjab
Contact No.	+92 42 11178601, +92 336 0148846, +92 303 4108088

1.3. Team Members

Qualified professionals with relevant experiences of conducting environmental

assessment have contributed to the preparation of CSR report. The team has been shown in Table-6.

Table 4: List of Experts

Sr. #	Name	Qualification	Roles
i.	Saad Shahid	Ph. D (Scholar) Environmental Sciences.	Head of Environment Division
ii.	Azka Anwar	M. Phil. (Scholar) Occupational Health and Safety	Deputy Manager Projects
iii.	Humaira Maqsood	BSc. Chemical Engineering	Report writing
iv.	Noman Anwar	M.Sc. Chemistry	Environmental Monitoring
v.	Waqas Shawkat	BS Environmental Science	Environmental Monitoring
vi.	Farhad Ahmad	Ph. D (Scholar) Environmental Sciences	Report writing

SECTION 2

PROJECT DESCRIPTION

SECTION 2

PROJECT DESCRIPTION

2.1. General

This section of the study concentrates on details of the project and its salient features; such as its location, objective, site layout, cost and magnitude of operation at various phases and process employed for the subject process.

2.2. Project Description

The main objective of this project is the Construction of New paints and Coatings Production Unit by Akzo Nobel Pakistan Limited for providing the best quality paints to public with sustainable measures.

2.3. Particulars of Project Site

Details of location of project are provided in table below:

Table 5: Particulars of Project Site

Particulars	Details
Latitude	31°42'03.7"N
Longitude	73°13'21.3"E
Location	Plot No 120, 121 Allama Iqbal Industrial City, Faisalabad
District	Faisalabad
Nature of area	Industrial (FIEDMC-Allama Iqbal Industrial City-SEZ)
Road connectivity	Faisalabad-Chiniot Road

2.4. Location and Layout of Project

2.5. Location of the Project

Project site is located at Plot No 120, 121 Allama Iqbal Industrial City- SEZ, Faisalabad. Google map is given below:



Figure 2: Project Site

2

2.6. Road Connectivity

The said Project area has road accessibility as it is accessible through Faisalabad-Chiniot Road. Pindi Bhatti an-Faisalabad Motorway interchange is at distance of approximately 1.4 km.



Figure 3: Road Access from Project Site

2.7. Paints manufacturing process description

2.8. Paints (Water and Solvent Borne)

Co-grind process is used for making paint manufacturing which is a batch process and is carried out in 3 steps:

Step 1: Dispersion: This is done by using high speed dispersers (HSDs), various types of raw materials, in liquid and powder form, are added at this stage. Akzo Nobel is using 1KL and 5KL capacity HSDs.

Step 2: Mixing/ let down: Dispersed product is pumped to mixers where additional raw materials e.g.; additives and colorants is added. 2 types of mixers are to be used

(a) fixed mixers having different capacities: 2.5KL, 5KL and 10KL

(b) portable mixers having 1KL capacity.

Once mixing process is completed, quality checks are carried by QC department.

Step 3: Filling: In the final process, which starts after QC clearance, finished product are filled in packs/ cans/ containers of various sizes, as per market demand, and after filling these cans are transported to finished goods warehouse for onward delivery to customers.

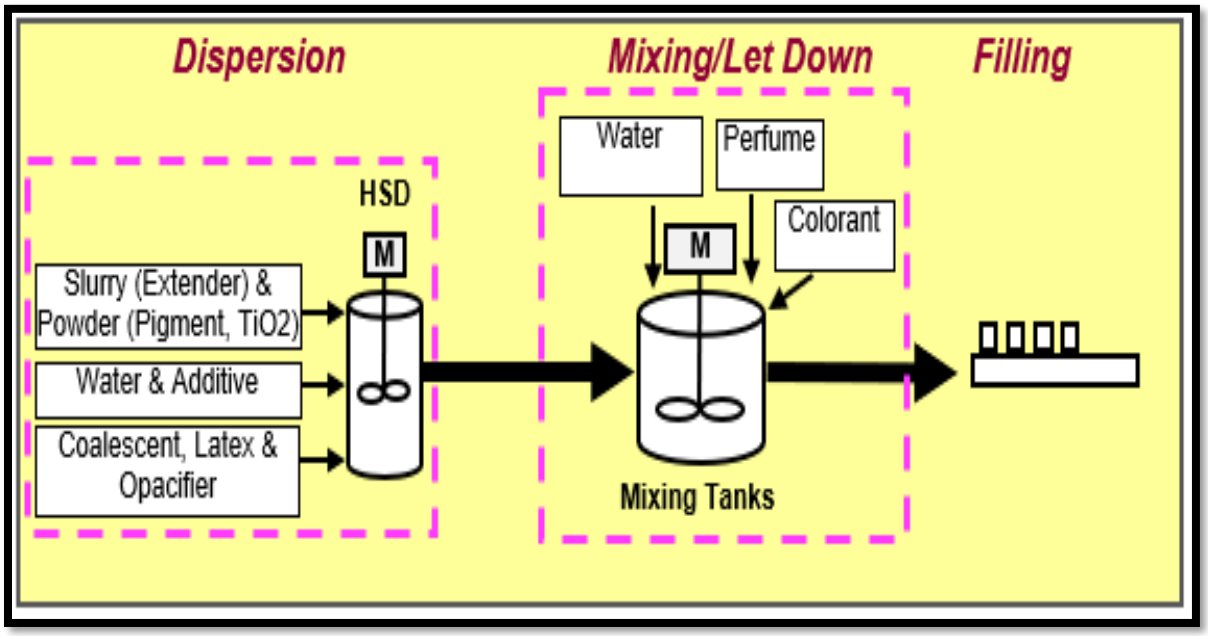


Figure 4: Manufacturing Process of water Brone Paints

Coatings manufacturing process description

Coating products, come under solvent borne category. These products are manufactured in portable tanks (1KL capacity) using co-grind process. The following steps are involved in making coating products:

Step 1: Pre-Milling (Paste Manufacturing): Portable tank are placed under high-speed disperser (HSDs) where different types of raw materials, in liquid and powder form, are added at this stage. Alkyd resins and solvents are pumped into these HSDs from their respective bulk storage tanks located outside the production hall. Other raw materials are added manually.

Step 2: Milling: After completion of step 1, portable tank is transported to milling area and are placed under appropriate milling machine (bead, basket or sand mill), as specified in product formulation, to get achieve the required level of particle fineness.

- Bead mills can grind up to 0 to 10 microns while basket

- Sand mills can achieve 25 to 35 and 0 to 10 microns respectively.

- No raw material is added during this stage. During milling process excessive heat is generated inside these milling machines and, therefore, in order to control excessive rise in temperature bead mills have got the provision of chilled water circulation system. chillers (2 off) are installed for supplying chilled water to the bead mills. Sand mills don't require any cooling mechanism whereas basket mills would require circulation of fresh water in the jackets of mobile vessels used for paint making.

Step 3: Mixing/ let down: After milling, portable tank is transported to mixing area and are placed under one of the several portable mixers. Let down solvents, liquid additives, resins and colorants are added at this point and mixing process is initiated. Once mixing process is completed, product sample is sent to QC.

Step 4: Filling: After QC checks are declared ok, mobile tank are taken to filling area where finished product is filled, under gravity, in packs/ cans/ containers of various sizes, as per market demand.

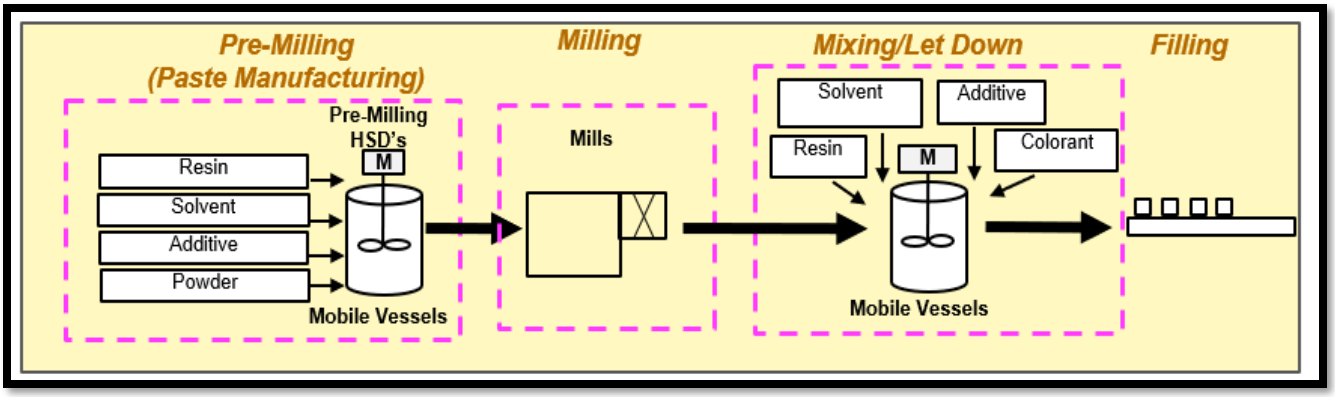


Figure 5: Manufacturing process of Coatings

Thinners Manufacturing: Manufacturing of thinners, for both paints and coatings business, is a blending process which takes place in fixed mixer (5KL capacity) and filling is done manually.

Acid pre-treatment chemicals (APTC) manufacturing

This APTC plant is two fixed liquid mixers on a mezzanine floor 3 to 4m high. Both the mixer has platform around, for manual charging on the liquid ingredients into the mixers. Below the mixers there are manual filling machine on finished floor level. Each mixer has

dedicated filling machine with gravity filling from mixer to filling machine.

There is one powder mixer (ribbon mixer) placed separately at an appropriate distance from liquid mixing & filling are. Mixer is supported with the steel structure at a level of 3 to 4m. There is a mezzanine floor provided around the mixer for unloading of powders bags. Small scissor lift is provided to transfer the powder bags from ground floor to mezzanine floor. Below the mixer there is a manual filling machine at ground level. This machine is filled the product by gravity after mixing.

Control Philosophy

A semi-automatic process control system, PCS, is installed to:

- Automate handling of bulk raw materials (solvents and alkyd resins), both raw materials are of flammable nature.
- Online monitoring of energy consumption.

Finished Products

Waterborne and solvent borne products, special arrangements is taken to ensure proper segregation of these products. The list of finished products is as follows:

Table 6: Finished Products (water and Solvent Borne) Paints

Paints (Water and Solvent Borne)		
Sr.	**Category**	**Production Capacity**
1.	Economy Enamel	1,131,810
2.	Economy Interior	5,971,176
3.	Mass Enamel	353,890
4.	Mass Exterior	542,394
5.	Mass Interior	552,507
6.	Premium Enamel	973,681
7.	Premium Exterior	1,535,519
8.	Premium Interior	1,895,818
9.	Primers & Sealers	795,578
10.	Tinters	80,574

11.	Woodcare	2,164,446
12.	Putty	6,356,733
13.	Water Proofing	400,000
14.	Grand Total (KL)	22,754

Table 7: Final Products Coatings

Coatings		
Sr. No	**Category**	**Production Capacity**
1.	Specialty Finishes	1,538
2.	Protective Coatings	556
3.	Metal Coatings	211
4.	Vehicle Refinish	758
5.	Total (KL)	3,108

By Products

Washings from water borne manufacturing is either be used to make putty products or is send to wastewater treatment plant. Washing from solvent borne manufacturing is handled by an external EPA certified contractor who takes it out of the factory for incineration or disposal.

Administrative block is an open and large area with many cabins, admin office, reception and waiting area. Circulation space and waiting area together consumes some area. Store and staff dining is provided adjacent to the office. Cabins in the administrative office section are of different size. It includes different working table are also be fitted into the space behind the table to give a functionally designed cabin and the rooms are open and well designed.

Engineers section

In this section some rooms are present for the engines. And the launch also presents for the workers.

In this section the manger and supervisors are resent to maintain the power of industry. They monitor all type of machinery, generators and electricity.

This section also contains some rooms and cabins where the quality inspectors and mangers are present to ensure the quality of raw material and final product.

Compliance department

This depart contains rooms and cabin also. Some compliance officers, management of compliance, HSE officers work from here. They ensure the environment, health and safety policy of industry.

Warehouse

Warehouse for storage of raw products, chemicals, middle product, waste storage, discarded material and final product, different storage halls are constructed. Before constructing the storage halls, the section of process is noted and storage hall for each section is constructed near to same process. The purpose of the construction is to provide adequate space for storage of materials and final product. Proper ventilation, emergency exits and storage/ stacking SOPs are followed.

Relocation and Rehabilitation Plan

There exists no human settlement within premises of the selected project site to be

displaced as a result of the proposed project. Moreover, no structure of any significance stands at the site is proposed to be relocated. The project area is owned by the company. So, no restoration and rehabilitation are required.

List of Machinery

The detailed list of machinery for each process is presented below.

Water Borne Solvent Equipment List:

Table 8: Water Borne Solvent Equipment List

Sr. No.	Equipment	Quantities
01.	HSD WB Emulsion	02
02.	HSD WB Putty Paste set up	01
03.	HSD WB Emulsion	02
04.	Mixers	06
05.	QA Mixer	02
06.	TA Mixer	04
07.	Volumetric Filling Machines	03
08.	Gravimetric Filling Machine with Conveyer	02
09.	Counter Weight Filling Machines	01

Solvent Borne Paint Equipment List:

Table 9: Solvent Borne Paint Equipment List

Sr. No.	Equipment	Quantities
01.	HSD SB Emulsion	02
02.	Basket Mill SB Enamel	02
03.	Mixers	12
04.	Mixing Point/ Stirrer	14
05.	Volumetric Filling Machines Enamel	02

06.	Gravimetric Filling Machine with Conveyer Bases	02
07.	Counter Weight Filling Machines	01
08.	Lacquer Filling Machine	01
09.	Sealer Filling Machine	01
10.	Varnish Filling Machine	01
11.	Thinner Filling Machine	01

Coatings Equipment List:

Table 10: Coatings Equipment List

Sr. No	Equipment	Quantity
01.	Bead Mills	03
02.	Basket Mills	04
03.	Mixing Point/ Stirrer	14
04.	Matting Agent Set up	01
05.	Sand Mills	01
06.	Filling Stirrer	01
07.	Mixers	01
08.	High Speed Disperser (pre-milling)	03
09.	APTC Liquid Set up	01
10.	APTC Solid Set up	01
11.	Car Putty Set up	01
12.	Caustic Cleaning (pan washing)	01

Utilities Equipment List:

Table 11: Utilities Equipment List

Sr. No	Equipment	Quantities
01.	Water Chillers	02
02.	Nitrogen gas	01
03.	Air Compressors	02
04.	Power Gens	02
05.	Water Turbines	02
06.	Fire-fighting Pumps	03
07.	Fire Detection System	01
08.	Fire Suppression System	01

09.	Fire Fighting Water Storage	01
10.	CTP	01
11.	HVAC	01
12.	Dust Collectors	03
13.	Fume Extraction System	08

Amenities

The following social amenities are present at site and the management of the waste (construction waste, solid waste and effluents) is explained in sub-sections below:

Electricity Consumption

WAPDA is the main power source of electricity supply and standby power generators is also installed. Solar energy is utilized to manage 25 % of the total power demand.

Ground Water Resource

During constructional and operational phase ground water is consumed. The water is pumped from ground from the depth of 250ft. Chilled water is required for the cooling of bead mills. Cooling chamber of each bead mill is connected with chilled water supply. Two chillers (1 in operation + 1 on standby) of 24 ton or 291,000 BTU/ hour cooling capacity (each) is installed to the site.

- Process water requirement – 20 m^3/Day
- Fresh Water requirement- 20 m^3/Day
- Drinking Water Requirement-2.5 m^3/Day

Compressed Air

Two 15m^3/min air compressors (rotary screw type) is installed with pre-and after filters, an air receiver and a non-CFC dryer. One compressor remains in operation while the other one acts as a backup. These compressors are installed in a separate room and noise level is kept less than 80dB at 1m from the source.

SECTION 3

COMPLIANCE OF CONDITIONS

SECTION 3

STATUS OF COMPLIANCE

Sr. No.	CONDITION OF NOC OF ENVIRONMENTAL DEPART.	Reply	Status
i.	The Proponent Shall Ensure Compliance with The Punjab Environmental Quality Standards (PEQS) Notified for Particulate Matter, Gaseous Emissions, Waste Water and Noise So as To Protect the Air, Water Bodies, Soil and Health of The People.	The results of monitoring are in compliance with PEQS. The receiving's of monitoring repots have been attached with the Annexure.	**Annexure-I**
ii.	Mitigation Measures Suggested in The EIA Report and Environmental Management Plan (Emp) Shall Be Strictly Adhered to control Any Negative Impacts on Soil, Ground Water, Air and Biological Resources of The Project Area;	The mitigation measures suggested in EIA report were strictly followed during construction. The EMP plan was implemented to avoid any negative impacts on soil, ground water, air and biological resources of project site. Most of the dust generating activities during construction lasts for a brief period, when excavation works were executed. For the movement of vehicles Speed limit of 20 km/h and speed breakers has been installed by the management of Akzo Nobel Pakistan Limited in order to reduce dust generation. Thereafter, vehicular movement generates most of the dusts. Dusts was suppressed using water bowser to spray exposed land surfaces and particularly areas likely to be disturbed by	

		trucks and other vehicles during the construction of the factory premises. Further mitigation measures were: • Covering haulage vehicles transporting aggregate, soil and cement • Covering onsite stockpiles of aggregate, cement, soil, etc. • Providing workers with the necessary Personal Protective Equipment (PPE) e.g., dust masks and ensure that they are worn • Operating well maintained vehicles and equipment • Safety signage were put in relevant places within the construction site. • Reckless driving by workers was prohibited. • Recycling and reuse of waste where possible was done during the time of construction. • Integrated waste management system has been established. • Proper solid and liquid waste disposal is being done. • No air emission is likely to be released during operation of the project, except dust and PM during floor cleaning. Wet suppression is being done to control dust emissions. • Generators are provided with proper enclosure, tuning and maintenance. • The wastewater is used for sprinkling purpose. • Training regarding HSE is given on regular basis. • Accidents and incidents are regularly reported. • Tree plantation.	

		• Noise generated by the equipment are intermittent and does not cause much adverse impact. • Proper maintenance of all equipment / machines is being carried out which help in reducing noise during operations. • Stack emissions from generator are optimally monitored • Fuel-efficient and well-maintained haulage trucks were employed to minimize exhaust emissions. • Noise generated from operation of generator is optimized and monitored. • Generator is being provided with acoustic enclosures. • Waste receptacles or waste transport containers are placed in the respective places such that disturbance creating by any means should be avoided. • No untreated discharge is leaking to surface water, groundwater or soil during construction. • Proper care had taken in disposing wastewater generated, such that soil and groundwater resources must be protected. • Regular water sprinkling on dusty areas being done to reduce dust emissions • Management ensured that fire extinguishers are located in strategic and visible places. • All the installed machinery works in closed halls and proper landscaping has been done around the plant premises to avoid noise pollution. • Proper firefighting system has been developed.	

iii.	The proponent shall maintain the auditable record of measures taken during implementation of Environmental Management plan for periodical verification by EPA Punjab.	The auditable record of measures taken during implementation of Environmental Management plan for periodical verification by EPA Punjab has been maintained at the site in log book.	
iv.	Monitoring shall be carried out during the entire period of project activities. Validated Monitoring reports shall be submitted to EPA field office and director (ML&I) Lahore on quarterly basis.	As per SMART Rules, 2000, Monitoring has been done on quarterly basis during construction phase of project. For this purpose, EPA certified lab has been engaged and monitoring repots has been submitted to EPA field office and director (ML&I) Lahore. Receiving of monitoring reports have been attached in Annexure-1.	**Annexure-I**
v.	The proponent shall provide a copy of EIA report and copy of this letter to contractors for their information and compliance with conditions/measures suggested in these documents.	EIA report and copy of Approval of Construction phase has been provided to the contractors for their information so they could proceed with their work.	
vi.	The proponent shall plant 1000 trees of 6-7 feet height annually of indigenous species in respective district. The proponent shall also take measures for protection and upkeep of these trees and shall maintain their proper record for verification by EPA.	Tree plantation has been done and measures for protection of these plants has been made maintained.	

vii.	The construction material shall be stored in such a way that it should not destroy or damage environment of the locality.	Construction material was properly stored and covered to save the environment during construction phase from not getting destroy or damage and after the construction material has been stored properly to save the mixing of runoff water.Pictorail evidence has been attached in the annexure.	
viii.	The proponent shall redress the grievances /objections /concerns of stakeholders on priority basis (if arises at any stage).	The project location is industrial in nature so there is no chance of arising any grievances/objections/concerns from stakeholders.	
ix.	The proponent shall obtain NOCs/clearance of all other relevant departments if the same is required under any law.	NOCs/clearance of all other relevant departments has been attached with annexure.	**Annexure IV**
x.	The proponent shall follow the SOPs regarding dengue larvae eradication and shall ensure removal of stagnant water on daily basis.	SOPs regarding dengue larvae eradication were followed and following steps are taken to avoid any dengue outburst: • Vector Surveillance. • Capacity building/ Trainings (Preventive/ Clinical). • Arrangement for Logistics Hu-man Resource. • Health Education/ Social Mobilization • Inter sectoral& interprovincial coordination. • Legislative/ Administrative support • Financial Allocation.	

		Daily monitoring plan to check stagnant water has been made to ensure that there is no stagnant water.	
xi.	Building design must be such as that must cater all the safety measures for storing chemicals.	• The building design of said project is such that it fulfilled all the safety measures for storing chemicals. Following safety measures are taken for chemical safety: • First aid supplies, emergency phone numbers, eyewash and emergency shower equipment, fire extinguishers, spill cleanup supplies and personal protective equipment are readily available and personnel trained in their use. • Chemicals stored in explosion-proof refrigerators or cold rooms are sealed and labelled with the name of the person who stored the material in addition to all other required hazard warnings. • Only compressed gas cylinders that are in use and secured in place are kept in the laboratory. All others, including empties, are sent to the compressed gas cylinder storage area for the particular facility. • All stored chemicals, especially flammable liquids are kept away from heat and direct sunlight. • Exhausts are provided at the location where necessary.	

xii.	Chemical handling staff must wear proper unform & gear for personal protection.	Uniform and gear for personal protection are provided to the staff handling chemical also an authorized person is designated who is responsible for ensuring that staff is using the provided Uniform and gear for protection.	
xiii.	Proper ventilation and light arrangement must be kept in design.	Day-lighting strategies that potentially reduces the need of artificial lighting is provided. The front walls of the entrance and the common visiting lounge are glazed to receive maximum sunlight. Good lighting is available with a vast entrance, giving a pleasing environment within the building. Good distribution of light is achieved by providing tilted or sloping portions along three sides of the opening so that the sunlight falling on it get reflected towards the first floor. Ventilators and windows in the northern side are also provide excellent means of ventilation and lighting. Besides, artificial lights are also be provided according to the requirements. The openings are oriented in such a way that maximum possible effort is made	
xiv.	Management shall follow the SOPs of MSDS.	It is made sure that all SOPs of MSDS are followed.	
xv.	The project proponent shall comply with PEQS.	The results of monitoring are in compliance with PEQS. The receiving's of monitoring repots have been attached with the Annexure 1.	**Annexure- I**
xvi.	The objections/complains of locals/stake holders (if any)	The project location is industrial in nature so there is no chance of arising any	

	should be redressed on priority basis.	grievances/objections/concerns from stakeholders.	
xvii.	The chemical should not be stored in excess of allowed quantity.	Acknowledged.	
xviii.	The proponent shall be responsible for solid waste collections, transportation and its final disposal in environment friendly manner.	Solid waste Management plan has been attached with the Annexure.	**Annexure-V**
xix.	The project proponent shall implement Environmental Management and monitoring plan in true letter and spirit.	Acknowledged.	
xx.	The proponent shall must ensure implementation for procreative and protective measures for each chemical as suggest in Material safety Data sheet for each chemical to be used during manufacturing process.	An authorized person has been made responsible for ensuring the implementation for procreative and protective measures for each chemical as suggest in MSDS for each chemical to be used during manufacturing process.	
xxi.	The proponent shall not use internationally banned chemicals with carcinogenic/toxic nature or irreversible impacts on food chain.	Undertaking has been attached in the Annexure.	**Annexure-VIII**
xxii.	The proponent shall ensure firefighting arrangements as	Firefighting equipment including DCP type fire extinguisher, CO2 Type extinguisher, sand buckets, sand drums with spade and	**Annexure-IX**

	per requirements of concerned department (Civil defense).	hose pipe cabinet are installed inside the plant. Emergency Trainings are also provided to the staff at regular intervals pictorial Evidences are attached in Annexures.	
xxiii.	The proponent shall retain the waste and dispose of through EPA certified vendors/contractors.	Contract with 3rd party has been attached in Annexure.	**Annexure-VI**

SECTION 4

ENVIRONMENTAL MANAGEMENT PLAN

SECTION 4

ENVIRONMENTAL MANAGEMENT PLAN

4.1. General

This chapter outlines the Environmental Management Plan for operation of the project and Compliance of conditions of Environmental Approval for Operation Phase. Adoption of appropriate mitigation measures can significantly reduce the environmental damage likely to be caused by the commencement of the project. However, occurrence of unforeseen impacts is still possible, even with proper implementation of mitigation measures.

Moreover, some of the predicted impacts may turn out to be severer than predicted, necessitating different or more rigorous mitigation measures. Therefore, regular and frequent monitoring of the environment is vital, in order to avoid or reduce the chances of such events, and to minimize the impact and cost of unforeseen events by taking prompt remedial action in case such events occur.

4.2. Objectives of Environmental Management Plan

Environmental Management Plan (EMP) is a vehicle for effective implementation of mitigation measures. It provides mechanism to address adverse environmental and social impacts. Its objectives are to:

- Identify and design the monitoring parameters.
- Ensure the compliance of conditions under Environmental Approval and environment friendly operation of the project.
- Ensure the compliance of Punjab Environmental Quality Standards.
- Ensure that appropriate mitigation measures are adopted for controlling the anticipated environmental hazards.
- Ensure all the environmental legal obligations for the operation of the project have been or is complied with.

4.3. Roles and Responsibilities of EMP Team

Environmental Management Plan Team has the responsibility to implement the environmental mitigation measures and to monitor environmental compliance of

different activities and parameters during the operation phase. The responsibilities of EMP Team are as follows:

- To ensure implementation of all the proposed mitigation measures during the operation of the proposed project.
- To implement the Environmental Management Plan.
- To ensure that project is implemented in an environment friendly manner, causing least harm to the existing environment; including fauna and flora, sites of religious and cultural significance and minimal land acquisition etc.

4.4. Environmental Management Plan

Environmental monitoring is normally undertaken during both construction and operation phases to ensure the effectiveness of the proposed mitigation measures or EMP. In order to respond to unexpected environmental concerns at an early stage and to determine the accuracy of planned responses, predictions are also required. The construction is completed in environment friendly manner and operational phase of the project does not pose any significant impact on land, air and water. The Environmental Monitoring Plan to be enforced during operation phase is implemented by the proponent.

Environmental management plan for operation phase is implemented by the proponent. Administration is going to manage all the environment related activities including monitoring and its reports. Environmental Management Plan has been prepared for the proposed project and is given in table.

Table 12: Environmental Management Plan

Operation Phase		
Hazards	**Mitigation**	**Responsibility**
Air Emissions	• HVAC system has been introduced to maintain the air pressure in production halls. • Proper ventilation with exhaust is installed to avoid exposure from fumes during process. • Power Engines are equipped with air emission control technology. • Monitoring of Ambient air parameters (Particulate matter, SOx, NOx) emissions are carried out on regular basis to ensure compliance with the PEQS. • The inspection and the maintenance of the generator is done on regular basis when in use.	Proponent
Wastewater	• No untreated discharge is leaked to surface water, groundwater or soil. • For treatment of wastewater, effluent treatment plant is installed. • Liquid waste is sent to wastewater treatment plant (WWTP) and clean water is reused within the factory premises for washing, cleaning and landscaping purposes. • Wastewater disposed of in Sewerage Lines of FIEDMC/ Allama Iqbal Industrial City - SEZ, Allotment letter is obtained. • The operational maintenance of ETP is monitored on daily basis	Proponent

	• Regular monitoring of wastewater is conducted through EPA certified lab.	
Ground Water	• Regular inspection of facilities has been conducted for interception leakage and spilled liquids. • Hazardous chemicals are handled only in appropriate segregated, sealed and bundled area at site.	Proponent
Fire Hazard	• Fire-fighting equipment are installed in the entire building. • Fire exits are made. • Employees are trained to use fire-fighting equipment's at the time of emergency. • Safety signs are displayed at designated places. • Assembly points are marked for any emergency situation. • Fire extinguishers are properly maintained and checked periodically. • CO_2, DCPs and foam fire extinguishers are the type of extinguishers which are present in the plant locality. • Flammable materials are prohibited in the premises. • Adequate training of workers on use of firefighting system to deal with any emergency situation. • Emergency response plan is in place in case of any incident of fire, and displayed in the building	Proponent
Solid Waste Management	• All the solid waste is disposed of according to the set procedure • The solid waste management plan has been attached herewith as **annexure**.	Proponent

Noise	• Equipment is acoustically shielded as far as possible. • Proper PPEs are provided to workers to avoid any impact. • Noise monitoring is carried out periodically. • Effective noise suppression design and plan is made for all noise producing equipment. • Noise barriers is implanted. • Noise area is not be open site. The source of noise is enclosed and covered place. Where the OSHA standard is applied. • The repairing and the small source of noise is removed where possible. • Proper tree plantation has been done.	Proponent
HSE	• Proper Health and Safety Policy is made and enforced. • Training regarding HSE is given on the regular basis • Workers are given PPEs such as; helmets, mask, ear-plugs/muffs, safety boots, etc. • It is strictly enforced to wear PPEs while working • Workers is trained on the regular basis regarding personal safety and disaster management • Incidents are reported directly to the concerned authority	Proponent

ENVIRONMENTAL MONITORING PLAN

Env. Components	Project	Parameters	Instrument	Standards	Monitoring			Institutional Responsibility
					Location	Frequency	Duration	
Air	Operation	Stack emissions	Air Quality Monitors/Gadgets	PEQs	stack	Quarterly	As per approved testing method	Through approved third party/monitoring lab
Noise Level	Operation	Noise levels on dB(A) scale	Digital Sound Meter	PEQs	Project site	Quarterly	Reading to be taken at 15 seconds interval for 15 minutes every hour and then averaged	Through approved third party/monitoring lab
Wastewater	Operation	BOD, COD, TSS etc.	Through approved equipment's.	PEQs	ETP	Monthly	As per approved testing method	Through approved third party/monitoring lab

SECTION 5

CONCLUSION AND RECOMMENDATIONS

Section 5

Conclusion and Recommendations

5.1. Conclusion:

The environmental study report is made in compliance with Environmental Approval of operation phase of project. In this report, all the potential environmental impacts have thoroughly been assessed through EMP. All the impacts identified, are easily manageable and the conditions of construction phase NOC are being complied. Site specific and practically suitable mitigation measures have been recommended to mitigate the impacts. It is concluded that operation phase of the project is not posing any adverse environmental impact as the Environmental Management Plan is properly be implemented.

It has generated additional job opportunities for the local residents, and is leading towards the reduction of poverty. So, the operation of the project does not cause any adverse impact on the local environment as mitigation measures are suitably implemented. The economy to be earned from this project can hence be termed as 'green'.

Moreover, the project is sustainable as no exploitation or consequential depletion of resources is expected to result from the operation of this unit. Sanitary workers have also been hired for cleanliness. Emergency Response and Health & Safety Plans have also been developed and is duly implemented to avoid any risk of accidents.

It is further concluded that the project has more advantages than adverse impacts probability. All potential environmental concerns of the stakeholders, associated with the operation of the project have been adequately addressed, and the conflicting issues likely to arise have cordially been resolved, and no further study is required in this Context. The objective of preparation of an environmental study is to ensure the compliance of PEQS and environment-friendly operation of the project. It is accordingly recommended that environmental approval for the operation phase of the project should be issued by the Punjab Environmental Protection Agency, Punjab.

ANNEXURE- I

MONITORING REPORTS RECEIVING

To,
Deputy Director,
Environment Protection Department,
Faisalabad.

Date: 9th November, 2022

Subject: Submission of Environmental Monitoring Reports by AkzoNobel Pakistan Limited located at Plot No 120, 121 AIIC, Faisalabad.

Respected Sir,

It is stated that as per Construction Phase approval obtained from EPA vide letter no DD(EIA)/EPA/F-51(EIA)2022/465 dated 29-08-2022 conducts Environmental Monitoring and Testing through EPA Certified Lab. The reports of Environmental Monitoring for 1st quarter after issuance of NOC which include Ambient Air, Ambient Noise and Ground water analysis. The reports are attached herewith as annexure.

Kindly submit the Environmental Monitoring Reports and acknowledge.

Yours Truly,

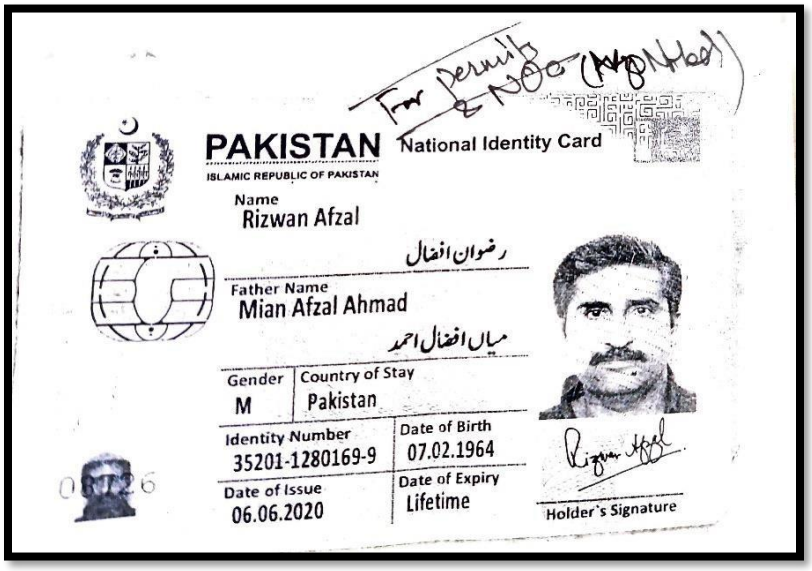
19/11/22

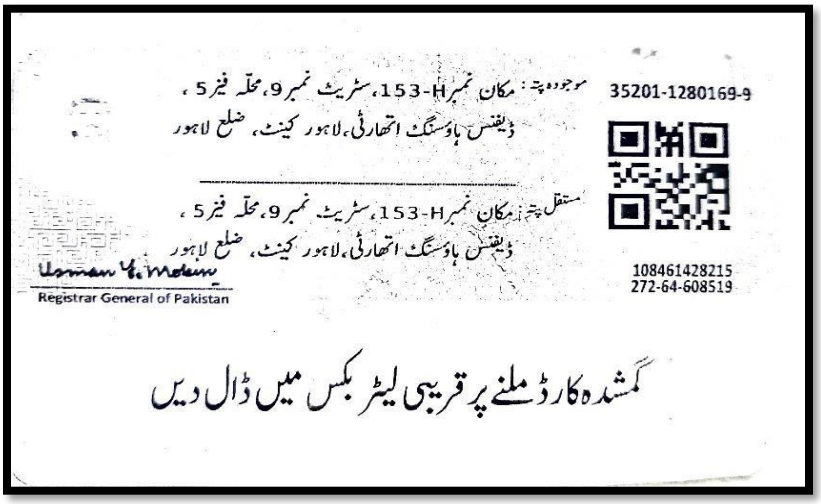
Rizwan Afzal
Project Leader
AkzoNobel Pakistan Limited

Received Reports.
10/11/22
Inspector EPA, FSD

ANNEXURE -II

CNIC OF PROPONENT


PAKISTAN National Identity Card
ISLAMIC REPUBLIC OF PAKISTAN
Name
Rizwan Afzal
رضوان افضال
Father Name
Mian Afzal Ahmad
میاں افضال احمد
Gender: M
Country of Stay: Pakistan
Identity Number: 35201-1280169-9
Date of Birth: 07.02.1964
Date of Issue: 06.06.2020
Date of Expiry: Lifetime
Holder's Signature


موجودہ پتہ: مکان نمبر H-153، سٹریٹ نمبر 9، محلہ فیز 5،
ڈیفنس ہاؤسنگ اتھارٹی، لاہور کینٹ، ضلع لاہور
35201-1280169-9
مستقل پتہ: مکان نمبر H-153، سٹریٹ نمبر 9، محلہ فیز 5،
ڈیفنس ہاؤسنگ اتھارٹی، لاہور کینٹ، ضلع لاہور
Registrar General of Pakistan
108461428215
272-64-608519
گمشدہ کارڈ ملنے پر قریبی لیٹر بکس میں ڈال دیں

ANNEXURE- III

PREVIOUS ENVIRONMENTAL APPROVAL FOR CONSTRUCTIONAL PHASE

ENVIRONMENT PROTECTION DEPARTMENT
Government of the Punjab
National Hocky Stadium, Lahore.

No. DD(EIA)/EPA/F-51(EIA)/2022/465
Dated: 29 / 08 /2022

To

Mr. Rizwan Afzal,
R/o House No. 154-H, Street No. 9, DHA Phase-5, Lahore.

Subject: **DECISION OF EPA PUNJAB FOR ENVIRONMENTAL APPROVAL UNDER SECTION 12 OF PEPA 1997, REGARDING PROJECT "CONSTRUCTION OF NEW PAINT AND COATING FACTORY BY M/S AKZO NOBEL PAKISTAN LTD., PLOT NO. 120, 121 ALLAMA IQBAL INDUSTRIAL CITY, FAISALABAD.**

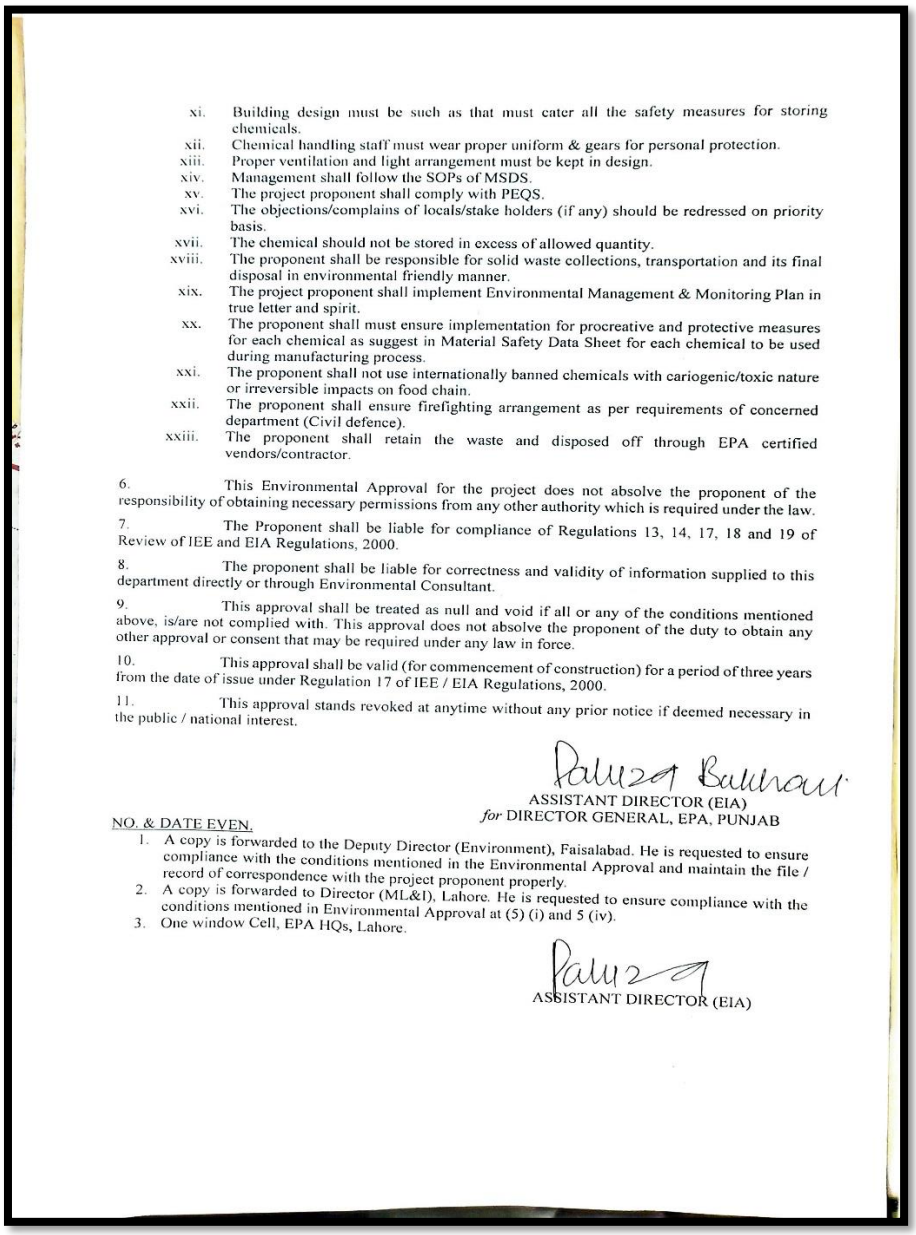
1. Description of Project: Construction of Paints (Water and Solvent Borne) and Coatings manufacturing unit
   Area: 200-Kanal
   Capacity:
   - Paints: **22754KL**
   - Coatings: **3108KL**
2. Location of Project: Plot No. 120, 121 Allama Iqbal Industrial City, Faisalabad.
3. Date of filing of EIA: 24-02-2022

4. After careful review of Environmental Impact Assessment (EIA) Report, EPA Punjab has considered Site Inspection Report received from Deputy Director (Environment), Faisalabad vide his letter No. 29/DD/EPA/FSD dated 02-03-2022. Date of public hearing 30-06-2022. Minute of public hearing received from Field office vide No. 850/DD/EPA/FSD dated 05-07-2022. EPA Punjab has also considered the recommendations of **Committee of Experts** (Meeting dated 15-07-2022) and other relevant record to take lawful decision.

5. **Environmental Project Agency, Punjab accords Environmental Approval under Section 12 of Punjab Environmental Protection Act, 1997 for construction of your aforesaid Project subject to the following conditions:**

i. The Proponent shall ensure compliance with the Punjab Environmental Quality Standards (PEQS) notified for particulate matter, gaseous emissions, waste water and noise so as to protect the air, water bodies, soil and health of the people.
ii. Mitigation Measures suggested in the EIA Report and Environmental Management Plan (EMP) shall be strictly adhered to control any negative impacts on soil, ground water, air and biological resources of the Project area;
iii. The proponent shall maintain the auditable record of measures taken during implementation of Environmental Management Plan for periodical verification by EPA, Punjab;
iv. Monitoring shall be carried out during the entire period of the project activities. Validated Monitoring Reports shall be submitted to EPA Field office and Director (ML&I) Lahore on quarterly basis;
v. The proponent shall provide a copy of EIA report and copy of this letter to the contractors for their information and compliance with conditions / measures suggested in these documents;
vi. The Proponent shall plant 1000 trees of 6-7 feet height annually of indigenous species in respective district. The Proponent shall also take measures for protection and upkeep of these trees and shall maintain their proper record for verification by EPA;
vii. The construction material shall be stored in such a way that it shall not destroy or damage environment of the locality;
viii. The proponent shall redress the grievances/objections / concerns of stakeholders on priority basis (if arises at any stage);
ix. The proponent shall obtain NOCs/ Clearance of all other relevant departments if the same is required under any law;
x. The proponent shall follow the SOPs regarding dengue larvae eradication and shall ensure removal of stagnant water on daily basis.

P.T.O



xi. Building design must be such as that must cater all the safety measures for storing chemicals.
xii. Chemical handling staff must wear proper uniform & gears for personal protection.
xiii. Proper ventilation and light arrangement must be kept in design.
xiv. Management shall follow the SOPs of MSDS.
xv. The project proponent shall comply with PEQS.
xvi. The objections/complains of locals/stake holders (if any) should be redressed on priority basis.
xvii. The chemical should not be stored in excess of allowed quantity.
xviii. The proponent shall be responsible for solid waste collections, transportation and its final disposal in environmental friendly manner.
xix. The project proponent shall implement Environmental Management & Monitoring Plan in true letter and spirit.
xx. The proponent shall must ensure implementation for procreative and protective measures for each chemical as suggest in Material Safety Data Sheet for each chemical to be used during manufacturing process.
xxi. The proponent shall not use internationally banned chemicals with cariogenic/toxic nature or irreversible impacts on food chain.
xxii. The proponent shall ensure firefighting arrangement as per requirements of concerned department (Civil defence).
xxiii. The proponent shall retain the waste and disposed off through EPA certified vendors/contractor.

6. This Environmental Approval for the project does not absolve the proponent of the responsibility of obtaining necessary permissions from any other authority which is required under the law.

7. The Proponent shall be liable for compliance of Regulations 13, 14, 17, 18 and 19 of Review of IEE and EIA Regulations, 2000.

8. The proponent shall be liable for correctness and validity of information supplied to this department directly or through Environmental Consultant.

9. This approval shall be treated as null and void if all or any of the conditions mentioned above, is/are not complied with. This approval does not absolve the proponent of the duty to obtain any other approval or consent that may be required under any law in force.

10. This approval shall be valid (for commencement of construction) for a period of three years from the date of issue under Regulation 17 of IEE / EIA Regulations, 2000.

11. This approval stands revoked at anytime without any prior notice if deemed necessary in the public / national interest.

ASSISTANT DIRECTOR (EIA)
for DIRECTOR GENERAL, EPA, PUNJAB

NO. & DATE EVEN.

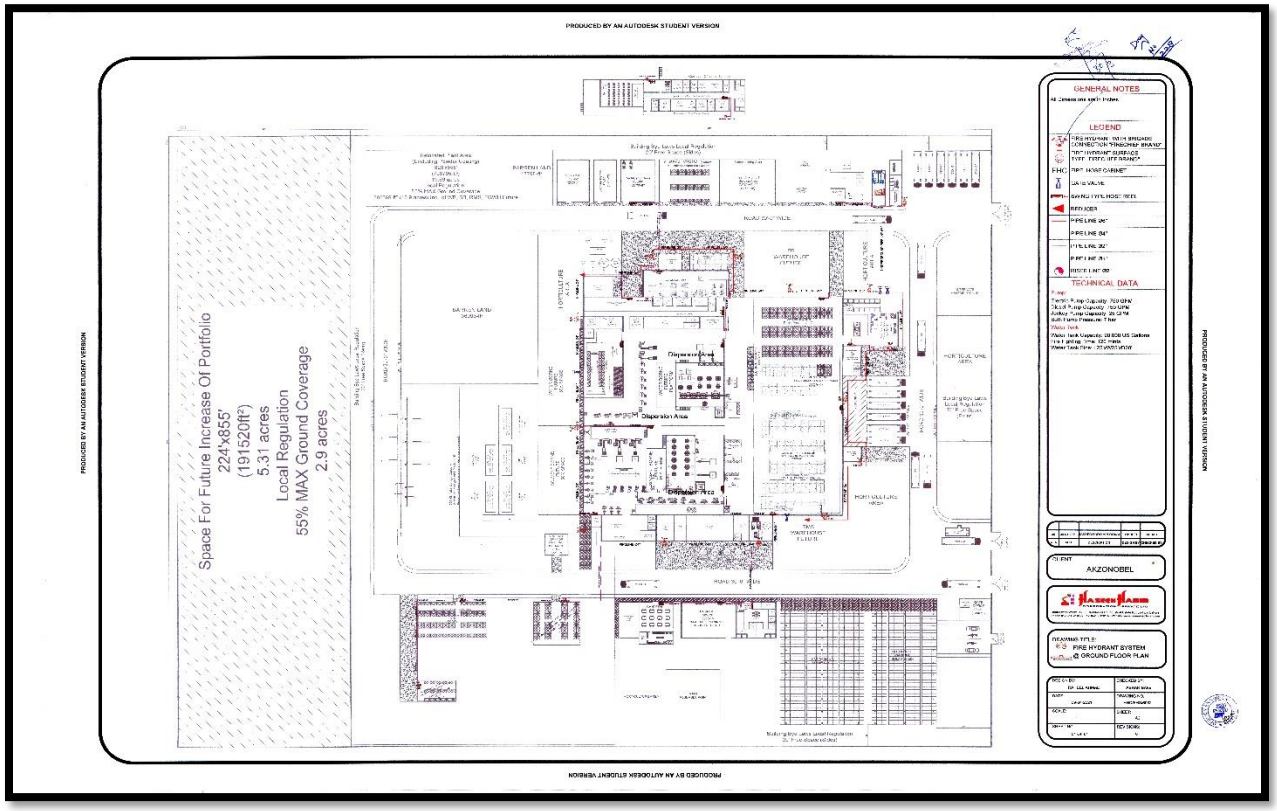
1. A copy is forwarded to the Deputy Director (Environment), Faisalabad. He is requested to ensure compliance with the conditions mentioned in the Environmental Approval and maintain the file / record of correspondence with the project proponent properly.
2. A copy is forwarded to Director (ML&I), Lahore. He is requested to ensure compliance with the conditions mentioned in Environmental Approval at (5) (i) and 5 (iv).
3. One window Cell, EPA HQs, Lahore.

ASSISTANT DIRECTOR (EIA)

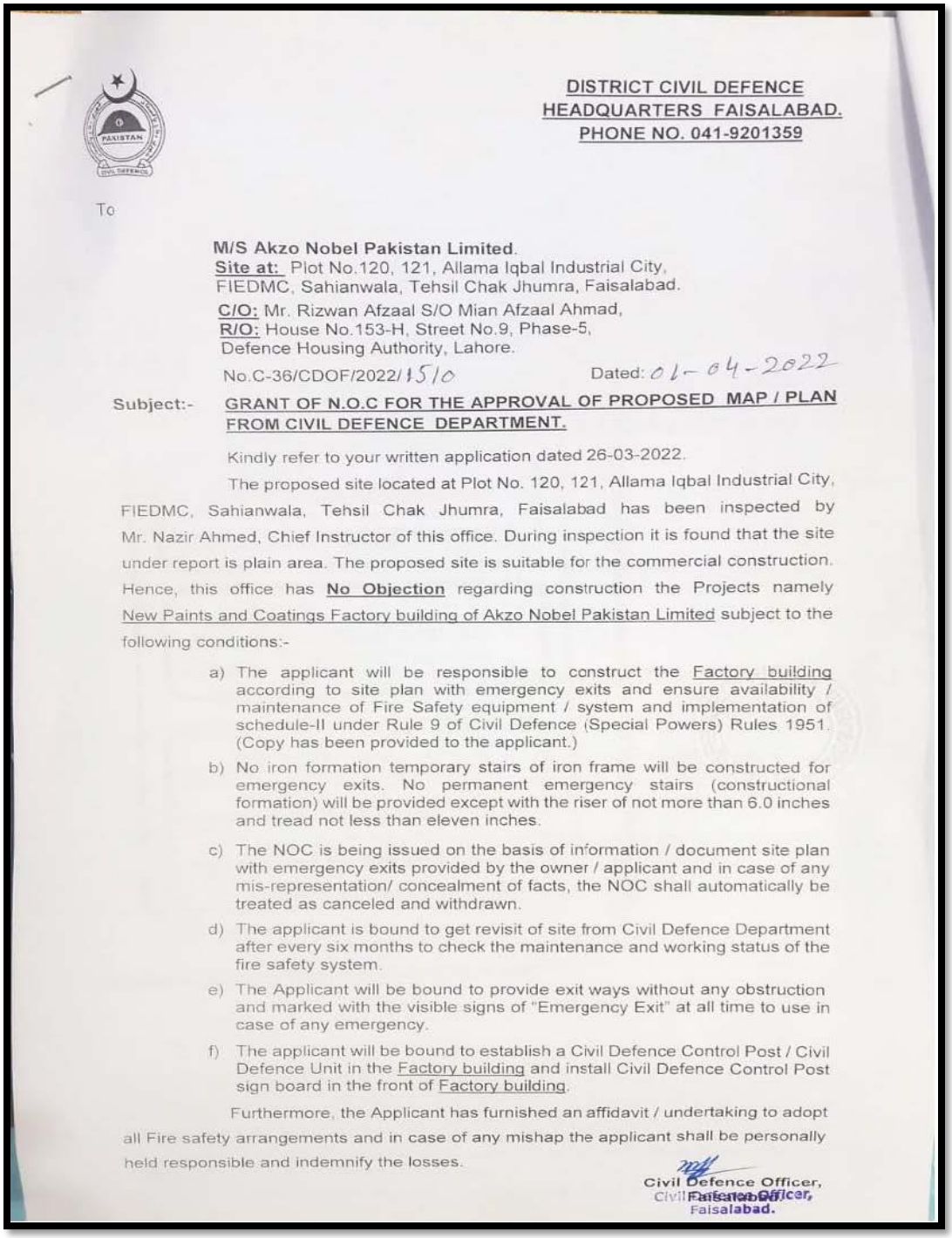
ANNEXURE -IV

APPROVALS FROM OTHER RELEVANT DEPARTMENTS

Rescue 1122


PRODUCED BY AN AUTODESK STUDENT VERSION
Space For Future Increase Of Portfolio
224'x855'
(191520ft²)
5.31 acres
Local Regulation
55% MAX Ground Coverage
2.9 acres
GENERAL NOTES
LEGEND
TECHNICAL DATA
AKZONOBEL
FIRE HYDRANT SYSTEM @ GROUND FLOOR PLAN

Civil Defence



DISTRICT CIVIL DEFENCE
HEADQUARTERS FAISALABAD.
PHONE NO. 041-9201359

To

M/S Akzo Nobel Pakistan Limited.
Site at: Plot No.120, 121, Allama Iqbal Industrial City,
FIEDMC, Sahianwala, Tehsil Chak Jhumra, Faisalabad.
C/O: Mr. Rizwan Afzaal S/O Mian Afzaal Ahmad,
R/O: House No.153-H, Street No.9, Phase-5,
Defence Housing Authority, Lahore.

No.C-36/CDOF/2022/1510 Dated: 01-04-2022

Subject:- **GRANT OF N.O.C FOR THE APPROVAL OF PROPOSED MAP / PLAN FROM CIVIL DEFENCE DEPARTMENT.**

Kindly refer to your written application dated 26-03-2022.

The proposed site located at Plot No. 120, 121, Allama Iqbal Industrial City, FIEDMC, Sahianwala, Tehsil Chak Jhumra, Faisalabad has been inspected by Mr. Nazir Ahmed, Chief Instructor of this office. During inspection it is found that the site under report is plain area. The proposed site is suitable for the commercial construction. Hence, this office has **No Objection** regarding construction the Projects namely New Paints and Coatings Factory building of Akzo Nobel Pakistan Limited subject to the following conditions:-

a) The applicant will be responsible to construct the Factory building according to site plan with emergency exits and ensure availability / maintenance of Fire Safety equipment / system and implementation of schedule-II under Rule 9 of Civil Defence (Special Powers) Rules 1951. (Copy has been provided to the applicant.)

b) No iron formation temporary stairs of iron frame will be constructed for emergency exits. No permanent emergency stairs (constructional formation) will be provided except with the riser of not more than 6.0 inches and tread not less than eleven inches.

c) The NOC is being issued on the basis of information / document site plan with emergency exits provided by the owner / applicant and in case of any mis-representation/ concealment of facts, the NOC shall automatically be treated as canceled and withdrawn.

d) The applicant is bound to get revisit of site from Civil Defence Department after every six months to check the maintenance and working status of the fire safety system.

e) The Applicant will be bound to provide exit ways without any obstruction and marked with the visible signs of "Emergency Exit" at all time to use in case of any emergency.

f) The applicant will be bound to establish a Civil Defence Control Post / Civil Defence Unit in the Factory building and install Civil Defence Control Post sign board in the front of Factory building.

Furthermore, the Applicant has furnished an affidavit / undertaking to adopt all Fire safety arrangements and in case of any mishap the applicant shall be personally held responsible and indemnify the losses.

Civil Defence Officer,
Faisalabad.

Ownership Document

"SAY NO TO CORRUPTION"

"PLANT TREES AND PROTECT ENVIRONMENT"

PHONE: 041-8527399
WHATSAPP NO. 0333-6616163
Email Address
acjhumra@gmail.com

NO. 614 /AC-CKJ/HC
OFFICE OF THE
ASSISTANT COMMISSIONER
CHAK JHUMRA, FAISALABAD.

DATED: 22 /10/2022

To,

The Chief Officer
District Council Faisalabad.

Subject: VERIFICATION OF OWNERSHIP DOCUMENTS TO CERTIFY THAT NO STATE LAND IS INCLUDED IN THE PLOT NO. 120 & 121, M/S AKZO NOBEL PAKISTAN LIMITED, M3 INDUSTRIAL CITY, (FIEDMC).

Reference: Application dated 21.10.2022, from Mr. Rizwan Afzal, Project Leader, on the subject cited above.

This requisite information received from the Revenue Field Staff is sent herewith for necessary action please.

ASSISTANT COMMISSIONER
CHAK JHUMRA
22 - 10 - 2022

CC

Mr. Rizwan Afzal, Project Leader.

Making Tracks of Success

FAISALABAD INDUSTRIAL ESTATE
DEVELOPMENT & MANAGEMENT COMPANY

Govt. of The Punjab

Ref: AIIC/120&121/2022/01
March 31, 2022

M/S Akzo Nobel Pakistan Ltd.
Plot # 120 & 121
Allama Iqbal Industrial City
Faisalabad

Subject: **Forwarding letter for getting NOC from concerned TMA/DCF regarding Construction of Building at Plot # 120 & 121 Allama Iqbal Industrial City, Faisalabad**

Reference:

Your Provisional Allotment Letter Ref # AIIC/IND/0076 dated 06.12.2021 issued by Company Secretary FIEDMC and Site Plan (900, 436 ft^2) issued on 31.12.2021; copies are attached herewith as ready reference; your application Ref: Nil dated 30.03.2022 received on 30.03.2022 for permission to execute the work of construction of a building at Plot # 120 & 121 Allama Iqbal Industrial City, Faisalabad of which Structural Stability Certificate Ref: AIIC/IND/ dated 30.03.2022 issued by Engr. Muhammad Hamid Raza (PEC # Civil / 23252).

Other documents submitted with application as:

- Soil Investigation Report.
- Submission Drawing.
- Structural Drawings.

Dear Sir

In consideration of the above documents and Structural Stability Certificate Ref: AIIC/IND/ dated 30.03.2022 issued by Engr. Muhammad Hamid Raza (PEC # Civil / 23252). for the proposed building at Plot # 120 & 121 Allama Iqbal Industrial City, Faisalabad. Construction, as per submission drawings and structural drawings submitted by you (for the proposed building at Plot # 120 & 121 Allama Iqbal Industrial City, Faisalabad) and subsequent to the approval of drawings from TMA/DCF, may be started subject to the following:

- You shall get approval of the site plan from concerned TMA/DCF.
- You will get NOC from EPD which is mandatory, before commencement of construction/works.
- If NOC from any other department is required, this will be your responsibility to get it.
- You shall be responsible for the Quality of Construction and adequacy of design for the proposed building including the structure and the foundation(s).
- Construction work shall be executed by hiring a constructor enlisted with Pakistan Engineering Council (PEC) under intimation to FIEDMC.

TÜV AUSTRIA HELLAS EN ISO 9001:2008 No.: 01013977

1st Floor, FCCI Complex, East Canal Road, Canal Park, Faisalabad - Pakistan.
Tel: +92 41 9230231-4, Fax: +92 41 9230235, E-mail: fiedmc@fiedmc.com.pk

Page 1 of 2
UAN: +92 41 111 FIEDMC
URL: www.fiedmc.com.pk

Making Tracks of Success

FAISALABAD INDUSTRIAL ESTATE
DEVELOPMENT & MANAGEMENT COMPANY

Govt. of The Punjab

- The works shall be supervised by the designer (preferably), however, in all the cases, works shall be supervised by an engineer/consultant registered in Pakistan Engineering Council (PEC). FIEDMC must be kept informed in this regard.
- Provision of complete working drawings to FIEMDC.
- Subsequent to the completion of the building works, fresh "Structural Stability Certificate" shall be provided. This certificate shall be issued by an engineer/consultant registered in PEC. In this regard, your attention is also invited to Clause 4 & 5 of the Building Bylaws.
- You will be liable for any violation, if committed at your end in the drawings/at the site, of applicable rules/laws.
- You will also responsible to get NOC/Approval from EPD for Commissioning of the factory/project.
- Implementation of FIEDMC and TMA/DCF Building Bylaws shall be ensured. In this regard, kindly also furnish a Written Confirmation that during constructions all the heads/sub-heads of Chapter 5 of the Building Bylaws have been duly provided in the subject building.
- In case of variation in plot size after final topographic survey of Allama Iqbal Industrial City, FIEDMC shall not be responsible for reconstruction of boundary wall if required to be re-constructed according to final plot size. No construction material shall be dumped outside the plot boundaries.
- All legal formalities to be ensured by you, Sales and Marketing Department & Company Secretary FIEDMC regarding the allotment and sale/purchase of the subject plot.
- You will submit Form A and Form B as per FIEDMC Building Bylaws.
- You shall provide NOC for Explosive Material if will be used.
- You are bound to provide Structural Design Vetting Certificate from a consulting firm registered with Pakistan Engineering Council and approved by Planning & Development Department, Lahore.

Sincerely,
For Faisalabad Industrial Estate Development & Management Company

Engr. Wajid Ali Adil
Deputy Manager Technical

TÜV AUSTRIA HELLAS EN ISO 9001:2008 No. : 01013977

1st Floor, FCCI Complex, East Canal Road, Canal Park, Faisalabad - Pakistan.
Tel: +92 41 9230231-4, Fax: +92 41 9230235, E-mail: fiedmc@fiedmc.com.pk

Page 2 of 2

UAN: +92 41 111 FIEDMC
URL: www.fiedmc.com.pk

ANNEXURE-V

SOLID WASTE MANAGEMENT PLAN

SOLID WASTE MANAGEMENT PLAN FOR M/S AKZO NOBEL PAKISTAN LTD GENERAL

This report covers Solid waste Management Strategies and three key pillars of Solid Waste Management such as Micro Planning, Decentralized management and Stakeholder engagement. The Decentralized Solid Waste Management (DSWM) is a system to provide a clean environment and hygienic living condition by reducing the quantity of waste at source.

Definition

Any substance, agent, effluent, object, material or equipment to be discarded, destroyed or disposed of, which has been generated through any Industry operation, activity or process, premises etc.

Hazardous Waste

Waste material that may cause damage to human health or the environment that requires precautions when storing, handling, transporting or disposing due to its toxicity corrosiveness, ignitability or reactivity.

Non-Hazardous Waste

Non-hazardous waste includes any rubbish or recycling that causes no harm to human or environmental health. This can be from business or household producers. This can include general household waste like food or bathroom rubbish and recycling, and business wastes including any that come from industrial or agricultural sources. Waste can be offensive but not hazardous. This can include healthcare waste that is soiled but poses no threat to human or environmental health.

The industry must undertake all waste reduction measures to the extent practical and feasible.

The industry must install the Labeled dust bins of Recyclable, hazardous and non-hazardous materials

The industry must reuse the waste & material after segregation and recyclable materials must be transferred to Vendors.

Agreement must be done with EPA certified Incineration plant.

Environmental Budget must be allocated for solid waste management

Domestic solid waste generated and managed as per area's management practices.

Identify various types of wastes generated during operations,

Quantify each type of waste,

Dispose-off every type of waste in responsible and environmentally friendly manner and to keep record.

Procedure

All waste arising from Akzo Nobel Pakistan Ltd operations and activities are managed to minimize the risk and impact on the environment and human health. Waste management activities are performed in accordance with the following waste hierarchy principles.

Reduce:

The quantity of waste through improved supply chain management and improved process and design initiatives.

Reuse:

Material where possible in engineering structures or alternative use, and/or through take back schemes to suppliers were surplus to requirements.

Recycle:

Material streams where possible to reduce the quantity of waste (e.g., metals, wood, POL, paper, plastics, other) that has to be disposed of.

After following the 3Rs above, for whatever waste remaining, Akzo Nobel Pakistan Ltd conducts responsible disposal either through internal or contractor managed incineration, alternative treatments or landfill in order to reduce hazards, risks and long-term impact on the environment.

Waste minimization and the application of the above principle shall also be addressed in contracts and procurement strategies, in accordance with existing rules and regulations, and taken into consideration as much as possible in the supply chain, e.g., when reviewing shipping, storage and disposal options throughout the industry lifecycle.

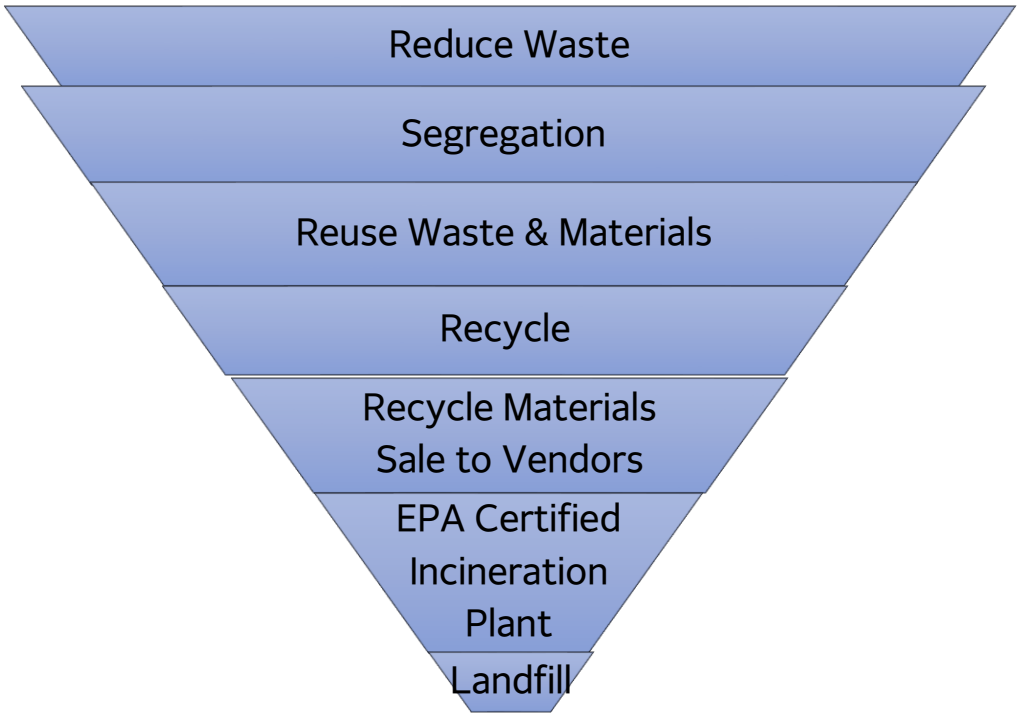


Figure 6: Hierarchy of solid waste management

Waste Reduction & Supply Chain Management

The overall reduction of waste is a primary objective across Industry and therefore is of paramount importance to provide clear actions on how waste reduction is achieved.

In respect of procurement and supply chain management, in full compliance with existing rules and regulation applicable to Industry (Such as Federal or provincial EPA, Certification requirement, others).

Procurement of material for the mission as much as possible based on strict 'rate of use formula' to reduce oversupply and accumulation of stockpiles as a result of product expiration.

Preference is given to vendors who operate 'take back schemes'

Preference on less hazardous or non-hazardous alternatives materials to reduce to burden on earth due to environmental pollution.

Preference in the implementation to reduce printing, water use to prevent waste plastic containers, others.

Waste Generation Assessment

Estimation of waste generated is performed by the assessment of waste generation for specific source considering the following factors,

i. Seasonal and non-seasonal generation quantity with respect to time (rate).
ii. Frequency of collection.
iii. Maximum quantity of waste generated.
iv. Peak waste generating hours.
v. Collection trolley capacity.

After the assessment of waste generation, waste container/ bin is be placed with in the section or area. The location of waste bin layouts / list must be updated by area owner and is submitted to Admin department. Area owner is responsible to keep the update list of waste generated from his area.

Waste Bin Types and Requirements

Bin Types are comprising of four sizes;

- 25L internal bins (offices, facilities).
- 60L wheelie bins with hinged lids in group clusters throughout Project facilities.
- 240L and 360L wheelie waste bins with hinged lids placed in group clusters at specifically designated and constructed waste collection points.

Any waste bin placed in Project premises must comply the waste bin requirement, which are mention below.

1. Color coding of the bin/container as per below table.
2. Labelling & pictogram on three side of waste bin as per below table.
3. Capacity of bin must be mention on its body.
4. Weight of bin must be mention on its body.
5. Collection frequency must be mention nearby.
6. Checklist along with the checklist box b
7. Beside the bin/ container.
8. Name of waste or chemical must be mention on waste bin.

Hazardous or non-hazardous waste labeling must be present on waste bin.

Segregation Color Coding & Labeling of Waste and waste Containers

Waste segregation is encouraged using color coding containment bins placed across Project premises or facilities.

The color-coding system for waste segregation is as follows (all bags as much as possible should be biodegradable);

Labels identifying the waste type are placed on three sides of the assigned colored bins.

Handling of Waste

Handling of waste is to be carried out in such way as to minimize risk to human health and to the environment. In particular, all precautions should be taken in order to avoid accidents that affect:

- Soil or water pollution.
- Fire or explosion
- Toxic gas generation

Comply safety data sheet instruction while handling material.

Special care must be ensured while handling of mercury:

a. Follow Safety Data Sheet.
b. Use spill kit of mercury.
c. Don't vacuum – Vacuuming can spread mercury vapors.
d. Leave the work area, Ventilate the area as soonest possible for longer time (more than 10-15 minutes).
e. Turn-off AC, fans & heating appliances because it may expedite vaporization process.

The following are good practices adopted by Akzo Nobel Pakistan Limited for internal transportation of waste:

i. Containers containing liquids should always be closed.
ii. Containers carrying solid or liquid waste should be secured to the means of transport being used in order to avoid any spills of material.
iii. Any waste which has fallen out of the container should be collected immediately.
iv. Provide Safety Data sheet for hazardous chemicals along with waste.

Requirement for Cleaning Equipment

1. The hygienic condition of cleaning equipment must ensure by area owner.
2. The List of cleaning equipment must be maintained by area owner.
3. The cleaning equipment for production area and non-production area must be labeled and identified by color coding.
4. The cleaning equipment must be inspected such as vacuum cleaner, or electrical equipment, others
5. The floor marking must ensure by area owner for the placement of cleaning equipment.

Spill Management

At Akzo Nobel Pakistan Limited the spill kit to be installed in whole facility as per the waste nature or type such as

- Chemical spill kit
- Petrochemical spill kit
- Biochemical spill kit and
- Mercury spill kit.

The area owner must install spill kit after consultation with HSE as per waste nature or type. Follow the emergency response procedure to response in case of spill. In-case of any spill, area owner must raise the incident report within 24 hours.

Waste Storage areas:

Waste storage area must be correctly planned. The following points should always be considered:

i. Spills and leakages should be avoided wherever possible, or preferably kept to a minimum.
ii. Skips for hazardous waste should be covered and the site should have suitable containment with appropriate drainage facilities.
iii. Spills are to be contained and collected such that they do not contaminate soil or water.

iv. Soil or water are not to be polluted by rainwater which is contaminated through contact with waste.
v. Waste storage area should be separated and clearly identified/marked (in native language) and understood by all operators including those from transport companies and those collecting waste.
vi. Any hazard risk (flammable, toxic etc.) should be clearly legible and immediately identifiable.
vii. Chemically incompatible wastes are to be segregated.
viii. Appropriate emergency equipment for first aid, fire and spills should be easily accessible.
ix. In case of hazardous waste, a safety data sheet should be available with the waste.
x. Waste generated within Project premises for any contractor must be disposed of, off site by a fully licensed carrier as soon as reasonably practicable so as not to accumulate on Project premises. The responsible person ensures that the site is checked that it is properly clean and waste free before the work are terminated.

Training & Awareness

Individual must be provided with detail training on waste management system. The supervisor must provide the on-hand training to every individual on handling the waste along with safety measure taken for the prevention of environmental and health impact.

Training record must be kept by supervisor and area owner.

Record Keeping

- The admin is to maintain a waste records of all disposal of hazardous and non-hazardous waste.
- The Waste contractor should regularly provide a certificate of the collected waste together with all weight chits.

Disposal

The waste with the industry logo or private details must be remove/shredded in supervision of admin prior handing over the waste contractor.

The admin ensures that the waste is properly treated and dispose on EPA approved landfill site or location to comply regulatory requirement.

Responsibilities

Director

The Director ensures that appropriate management system and resources are in place for effective implementation of this procedure.

General Manager Operation

The General Manager operation shall be responsible for ensuring that this procedure is implemented and staff with required competency is appointed.

Manager HSE

The HSE Manager Jazib Chughtai is responsible to ensure that:

- This procedure is effectively implemented at all sites.
- Provide oversight and monitor this procedure.
- Ensure that the selected risk controls are implemented.

Business Unit Managers

For their respective area of responsibility, Business Unit Manager shall be responsible to provide adequate arrangements / support to ensure that this procedure is implemented and practiced in true letter and spirit.

a. Arrangements/supports may include but not limited to:
b. Provide adequate resources for implementation of procedure.
c. Conduct management walkabout to check the compliance of procedure.
d. Ensure all personnel must be trained and aware on the procedure.
e. Endorse risk control selection and monitor control use.
f. Undertake/support periodic review of effectiveness of procedure.

Admin Manager

For their respective area of responsibility, Admin manger shall be responsible to provide adequate arrangements / support to ensure that this procedure is implemented and practiced in true letter and spirit.

1. Arrangements/supports may include but not limited to:
2. Provide adequate resources for implementation of procedure.
3. Ensure all personnel must be trained and aware on the procedure.
4. Undertake/support periodic review of effectiveness of procedure.
5. Facilitate regulator or Govt. officials and brief on the compliance.
6. Ensure all legal permits and document should be updated & maintained.
7. Must aware of legal and regulatory requirement.
8. Ensure compliance legal and regulatory requirement.

Section Head

For their respective area of responsibility, Section head shall be responsible to provide adequate arrangements / support to ensure that this procedure is implemented and practiced in true letter and spirit.

a. Arrangements/supports may include but not limited to.
b. Provide adequate resources for implementation of procedure.
c. Conduct routine floor survey to check the compliance of procedure.
d. Ensure all personnel must be trained and aware on the procedure.
e. Undertake/support periodic review of effectiveness of procedure.
f. Maintain relevant document and record of his respective area.

HSE Representative

The relevant Site HSE representative shall

a) Communicate the requirements laid down in this procedure to all employees.
b) He/she monitors and track the practical implementation.
c) He/she is responsible for delivering training on this procedure to all relevant employees.
d) Extend necessary advice for effective conduct of assessment.
e) Conduct inspection and audit to check the effectiveness of procedure.
f) Maintain relevant/auditable record.

Supervisor

The supervisor shall

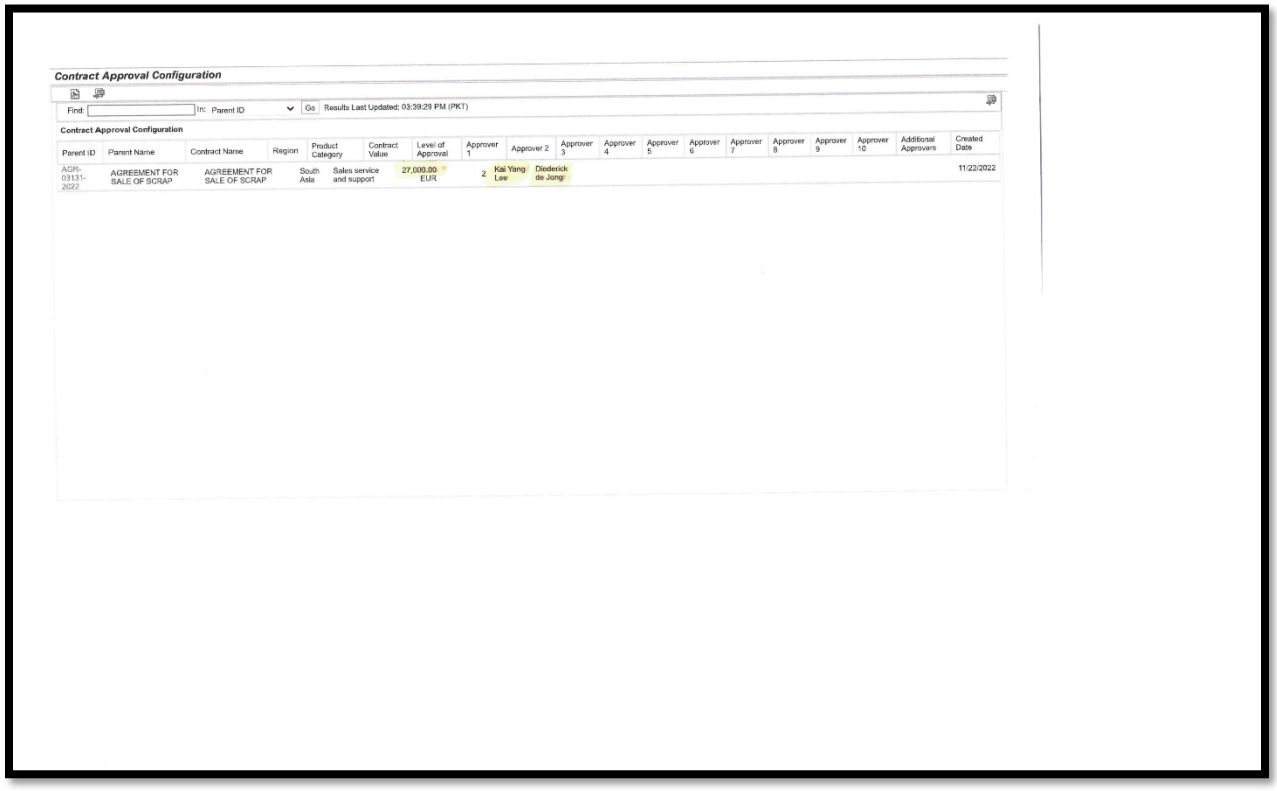
1. Communicate the requirements laid down in this procedure to all employees.
2. He/she monitors and track the practical implementation.
3. Ensures practical implementation on floor.
   Conduct daily walkabout to check the effectiveness of implemented controls measure.

ANNEXURE-VI

EPA CERTIFIED CONTRACTORS FOR SOLID WASTE MANAGEMENT

Contract Approval Form – Contract Information Sheet - Term Sheet
(version December 2021 (vF2))

CLM Contract Reference (if available)	MA-01437-2022			
Vendor Name	Al-Azan Trader			
Spend type: Indirect / Logistics / Direct	Choose from drop down list: Indirect			
Category / Sub Category	Real Eastate/Waste Services			
Short description of Product/Service	Waste Scrap Sales			
Procurement Responsible (name title)	Waqas Butt (NPR Buyer)			
Business contract requestor/budget responsible (name + title)	Muhammad Shahbaz Nawaz Admin & Facility Manager			
Functional Area responsible for contract/budget	Choose from drop down list: Facilities			
Relevant controller (name + title) • refers to financial business partner of business requestor/budget responsible • contract requestor responsible to ensure relevant controller is aligned/on board	Muhammad Shahbaz Nawaz (Admin/Facility Manager)			
Contract Type (tick appropriate type)		New MSA		
	X	New Contract		
		Extension existing MSA / Contract		
		Sub-Agreement under existing MSA		
		SOW under existing MSA		
		Rebate agreement under existing MSA		
		Other:		
Vendor Policy or Code of Conduct Declaration	**Yes**			
Non disclosure / data privacy	**NDA required: N**		**Subject to data privacy legislation: N**	
Region / Countries covered	**South Asia**			
Contract Term	**Start date**	01/12//2022	**End date**	30/11//2023
Opt out/Break up clause (when during contract term)	**NA**	**Penalty involved**	NA	
Inco Terms	Delivery included in costs			
Payment terms		**Standard term Y/N**	Standard exception	
If non standard term, explain reason				
Commission or Rebate (explain structure)	Policy note: if annual rebate amount is < EUR 100 000 the rebate agreement will be phased out and replaced this by lower contractual prices (direct discounts), in order to reduce complexity. In case you cannot guarantee upfront certain volumes, a good practice is to agree on the direct discount in the current contract and settle/lose it in next contract negotiation if volumes turned out to stay behind.			
Commitment type	Choose from drop down list: Spend/vol. commitment			
Annual Contract Value (EURO)	27,000			
Total Contract Value (EURO)	27,000			
Description - Benefits (Financial impact/year, Payment term improvement) - Business reason / Business Need - Business acceptance - 3-bid compliance	We have selected Al Azan even though they are not the highest bidder because they have a valid license that lasts till 31 Dec 23 as approved by EPA while the other 2 bidders do not have. It is the same bidders we are using for last year and the site is satisfied with Al Azan service. Comparison for Scrap Sales.xlsx Quoe - Al Azan Trade.pdf Revise Quote - Al Azan Trade.pdf			
Special terms, risks and conditions to be considered for contract approval	NA			



Contract Approval Configuration

Find: In: Parent ID Go Results Last Updated: 03:39:29 PM (PKT)

Contract Approval Configuration

Parent ID	Parent Name	Contract Name	Region	Product Category	Contract Value	Level of Approval	Approver 1	Approver 2	Approver 3	Approver 4	Approver 5	Approver 6	Approver 7	Approver 8	Approver 9	Approver 10	Additional Approvers	Created Date
AGR-03131-2022	AGREEMENT FOR SALE OF SCRAP	AGREEMENT FOR SALE OF SCRAP	South Asia	Sales service and support	27,000.00 EUR	2	Kai Yang Lee	Diederick de Jong										11/22/2022

BX754576



AGREEMENT FOR SALE OF SCRAP

THIS AGREEMENT is made at Lahore this 1st day of December, 2022

BETWEEN

Akzo Nobel Pakistan Limited a public limited company having its registered office at 346 Ferozepur Road, Lahore (hereinafter called the "Company" which expression wherever the context so admits shall include its successors and assigns) of the First Part;

AND

M/s. Al-Azan Traders a sole proprietorship firm, having its Godown at Mehmood Booti Interpass, Lahore through its sole proprietor Mr. Muhammad Ameen S/o Mr. Muhammad Nazir R/o House No 2, Street No. 42 Haider Street, Mohallah Fazal Park Kot Khawaja Saeed, Lahore, (hereinafter called the "CONTRACTOR" which expression wherever the context so admits shall include his legal heirs and representatives) of the other Part.

WHEREAS the Company is desirous to sell various scrapped items/ materials more fully detailed hereunder and referred to as "Scrap" available from time to time at the scrap yard of its Office at 346 Ferozepur Road, Lahore (hereinafter referred to as the "Premises") on a regular basis for disposal in an environmentally safe manner.

AND WHEREAS the Contractor, who is otherwise engaged in the business of dealing in scrap, has represented and offered to purchase/lift the Scrap from the Premises for further sale / disposal in an environmentally safe manner on the terms and conditions mentioned hereinafter.

NOW THEREFORE THE PARTIES IN CONSIDERATION TO THE MUTUAL PROMISES CONTAINED HEREIN HAVE AGREED AS FOLLOWS:

This Agreement shall be deemed to have commenced from **1st December 2022** to remain valid and in force for a period of, i.e. **30th November 2023** subject to cancellation/ problem in Validity of the approved licence from EPA. This Agreement may be terminated during the aforesaid period by either Party upon **30 days notice** in writing to the other provided always that in case the Contractor is found to have committed any breach of his obligations hereunder, the Company shall be entitled to forthwith terminate this Agreement without any notice in advance or compensation in lieu thereof. This Agreement may be renewed at the sole discretion of the Company for a further period of one year on terms and conditions to be mutually agreed by the parties at the time of such renewal. THE AGREEMENT IS SUBJECT TO THE CONFIRMATION TO BE GIVEN BY EPA TO THE COMPANY VIDE THE COMPANY'S LETTER DATED 29-[illegible] REQUESTING IT TO

ATTESTED
M. SHAFQAT ALI
Oath Commissioner
HIGH COURT LAHORE

CONFIRM ON THE VALIDITY OF THE CONTRACTOR'S NOC. THE AGREEMENT SHALL BE TERMINATED ON IMMEDIATE BASIS IF AT ANYTIME THE EPA APPROVAL GIVEN TO THE CONTRACTOR FOR LIFTING OF SCRAP IS FOUND TO BE INVALID

2) Upon execution of this Agreement, the Contractor shall deposit with the Company a sum of Rs. 470,000/- (Four hundred seventy thousand only) as Security Deposit ("Security Deposit") which amount shall be refundable after one month of the expiry or earlier termination of this Agreement without any interest/mark up thereon subject however to deductions, if any, and provided elsewhere in this Agreement. If the contractor terminates the agreement before the expiry of the contract, the company shall retain the security deposit.

3) The Contractor shall manage the scrap area on daily basis keep the scrap area in tidy condition and lift all the Scrap items mentioned in Clause 4 hereof ASAP basing on capacity of vehicle load. on all working days including Saturday's and Sunday's (if informed in advance) and for this purpose the Contractor shall make his own arrangements for lifting/ loading and transportation etc., in accordance with the Safety Rules and Procedures of the Company. In case the Daily Scrap is not lifted / the scrap yard is overload and / or there is scrap equalent to a vehicle load or any other reason for two working days or more, the Contractor shall be liable to a penalty of Rs. 20,000/- (Rupees Twenty Thousand Only) per day,. Non-lifting of daily scrap for one week or more shall be considered as a material breach of the terms and conditions of the Agreement on the part of the Contractor and the Company may, at its sole discretion, terminate the Agreement.

4) The Contractor after inspection of the daily Scrap at the Premises has agreed that only the items listed below shall be considered as Daily Scrap and the Contractor shall lift only these items from the Factory's scrap yard located in the premises. In respect of below list, the decision of the Company's representative to include or exclude any item from the list below shall be final and binding on the Contractor.

List of Daily Scrap Items

- Empty Powder Bags
- Polythene
- Empty Gallons
- Empty Plastic Drummy
- Empty Iron Drummy
- Plastic Cans (Blue Colour)
- Plastic Cans (White Colour)
- Card Board
- Empty Glass Bottles
- Empty Card Board Drums
- Misc. Waste

List of Other Items for sale is attached in Schedule ''B" along with unit rates for disposal. Methods to dispose of the scrap are attached as Schedule "C"

5) The Contractor shall pay a sum of Rs. 470,000/- (Four hundred seventy thousand only) in advance which is inclusive of Sales Tax/Excise Duty by the first week of each calendar month for lifting of scrap mentioned in Clause 4 above. Any delay in such payment for more than one week shall be liable for a penalty of Rs 5000/- per week. The Contractor shall also be responsible for payment of any other taxes, charges or duties levied by the Government or any local authority on the purchase and sale of Scrap hereunder during the period of this Agreement.

6) The Scrap offered for sale by the Company as above is on "as is where basis is" and the Company or its officials have made no representations or assurances to the Contractor either during negotiations or at the time of conclusion of this Agreement both with regard to the merchantability or quantities of the said Scrap. Further there are no warranties, express or implied in respect of the fitness of the Scrap for any purposes whatsoever and the Company shall not be liable for any claims by the Contractor or his potential customers on account of any damage or losses including any consequential loss of business or profits.

7) The Contractor warrants that it has complied with all applicable laws and possesses all valid licenses /permits/approvals as required and necessary under the law to lift, transport, dispose off and otherwise deal with the Scrap.

8) The Contractor shall, while rendering and or performing services under this Agreement, comply with the AkzoNobel Business Partners Code of Conduct as provided and appended as Schedule 'A' to the Agreement.

9) The Contractor shall continue to comply with all the applicable laws, rules & regulations in respect of the purchase and further disposal of the Scrap. In case of any violation, the Company shall be entitled to forthwith terminate this Agreement without any notice in advance or compensation in lieu thereof and in such event the Security Deposit may also be forfeited at the sole discretion of the Company.

10) The Contractor shall abide by all the Health, Safety, Environment and Security ("HSE&S") Rules and Regulations of the Company specified in the attached Schedule 'D' and shall ensure that any personnel/staff employed by him for the purpose of this Agreement abide by the HSE&S Rules and Regulations. The Contractor shall further ensure lifting of the Scrap from the Premises through his own staff in the following manner:

(a) Cleaning of the entire scrap area on daily basis and the Contractor's staff engaged for lifting of Scrap will be required to wear the following personal protective equipment, which will be provided by the Contractor:

- Safety Shoes
- Rubber Gloves
- Overalls
- Dust Masks
- Safety Glasses

(b) The Contractor shall remove and replace any of his staff who may be found involved in violation of the HSE&S Rules or Regulations of the Company set out under **Schedule D** herewith.

(c) AkzoNobel Business Partners Code of Conduct as set out under **Schedule A** herewith.

(d) The contractor shall ensure scrap yard housekeeping & management of company scrap yard and his own dumping/disposal area as per HSE requirement

11) In order to ensure compliance with the National Environmental Quality Standards ("Environmental Standards") as set by the Pakistan Environment Protection Agency and the agreed disposal route (as given in Schedule 'C' attached), the Contractor shall inform the Company in writing, by the 10th day of the month ending each quarter, as to how the Scrap lifted/purchased by him has been sold/disposed off. Any breach of the Environmental Standards or agreed disposal routes shall be deemed grounds for termination of this Agreement and the Contractor shall be solely responsible for all consequences arising out of such non-compliance.

12) The Contractor shall accept the weight determined at the Company's weighbridge as being authentic and final in regard to the weight of the Scrap.

13) Contractor staff to fermium available inside the scrap yard for spotless and clean on daily basis excluding Sundays unless notified

14) The Contractor further agrees that loading of the Scrap will be done by its personnel only in the presence of the Company's security personnel during normal working hours of the Company.

15) The Contractor shall arrange for medical examination of all the personnel engaged by him for the purposes of lifting Scrap under this Agreement. The Contractor shall also ensure that

all requirements of Labour Laws as applicable to him or his establishment are duly complied with and the personnel engaged by him for lifting Scrap from the Premises strictly adhere to the Safety Procedures and other Rules laid down by the Company from time to time.

16) The Contractor shall deal with his personnel directly and shall on his own account pay them their remuneration and other legal benefits. If at any time the Company is required to pay any amount to any authority in this regard the Company shall deduct the said amount from the Security Deposit and / or other payments made for purchase of Scrap by the Contractor. The Contractor shall not at any time claim from the Company for himself and/or for its workmen, or other employees, the facilities, benefits, and terms and conditions of service or any other amenities available to the employees of the Company nor shall the Contractor and/or the workmen, or other employees, of the Contractor claim or be eligible to any terms of employment or benefits, facilities or amenities of the employees of the Company nor shall they claim to have any lien for employment from the Company.

17) The Contractor hereby undertakes to indemnify and hold the Company harmless against any claim, demand or legal proceedings initiated by any authority or the personnel engaged by him in respect of any unpaid wages, legal benefits or workmen's compensation claims arising out of any death or injury at the Company's Premises or elsewhere.

18) The Contractor shall always keep the Company indemnified against any theft, damages or losses to the Company's property due to any negligence or other acts or omissions on the part of the Contractor or his staff/personnel and the Company shall be entitled to recover the actual amount of such losses or damages from the Security Deposit of the Contractor.

19) The Contractor shall not assign/sub-contract or transfer any of his rights or obligations under this Agreement except with the prior written consent of the Company. Further, the Contractor shall at all times function and be regarded as an independent firm and not an agent of the Company and neither the Contractor nor his personnel shall have any right to represent or bind the Company to any third person including any department or agency of the Government or any other authority in any manner whatsoever.

19) All disputes and controversies including those relating to the respective rights and obligations of the parties as well as the interpretation of the terms and conditions of this Agreement shall be referred to the Chief Executive of the Company whose decision shall be final and binding on the parties.

20) If at any time any provision of this Agreement is or becomes illegal, invalid or unenforceable in any respect under the applicable law that shall not affect or impair the legality, validity or enforceability of any other provision of this Agreement or rights of third parties.

21) No amendment, variation or waiver of this Agreement or any provision of this Agreement shall be effective unless it is in writing and duly executed by or on behalf of both Parties.

22) This Agreement is governed by and shall be construed in accordance with the laws of Pakistan.

Akzo Nobel Pakistan Limited AkzoNobel 3/8 Ferozepur Road, Lahore

AL AZAN TRADERS WASTE MANAGEMENT Proprietor

IN WITNESS WHEREOF the parties hereto have executed these presents at Lahore on the day and year first above written.

SIGNED for and on behalf of
Akzo Nobel Pakistan Limited

in the presence of:

Mubbasher Omar (CE)

Harris Mahmood (CFO)

Witness:

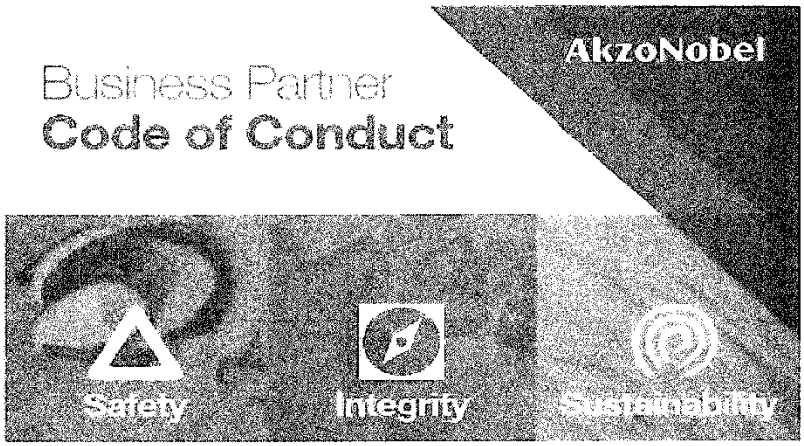
Muhammad Shahbaz Nawaz
(Admin & Security Manager)

SIGNED for and on behalf of
Al-Azan Traders
by **Muhammad Ameen**
NIC# 35202-0863004-6

in the presence of:

Witness:

Schedule – A



Compliance

Safety

Muhammad Amin
AL-AZAN TRADERS

AkzoNobel

Integrity

Honest business conduct

Fair competition

Trade controls

Intellectual property and confidential information

Personal data

Conflict of interest

Trading in shares

Company resources

Record keeping

Preventing fraud

Proper communication

Sustainability

Human rights

Employment relationships

Environment and community

Grievance

Subcontractor compliance

Schedule-B

SALE OF SCRAP

S. No.	Particulars	Unit	Rate (PKR)
1	Daily Scrap	Lot/Month	470,000.00
2	Crushed drums (Damaged)	Per Drum	710.00
3	Empty Plastic Drums (Damaged)	Per Drum	1,155.00
4	Wooden Scrap	Per Kg	7.00
5	Scrapping drums (Dirty Paint Water Based)	Per Drum	805.00
6	Retained Sample (Water Based Paint)	Per Drum	2,500.00

Schedule-C

AKZO NOBEL PAKISTAN LIMITED PAINTS SCRAP / WASTE MATERIALS DISPOSAL METHOD AT M/S AL-AZAN TRADERS

Sr.	Waste Stream	Disposal Method
1	• Used empty paper bags, • Empty cardboard drums and containers with lids/rings • Waste paper and cardboard scrap of production	Through paper recycle industry
2	• Used empty poly propylene bags • Used empty polythene bags	Through PP / PE recycle industry
3	• Used damaged scrapped plastic bottles • String / Plastic Strip	Through Plastics recycle industry
4	• Used damaged paint tins	Through metal recycle industry
5	• Small pieces of raw-wood.	To brick kilns etc. for disposal through heat recovery
6	• Paint-Gar / Retained samples.	To be provided to low tier paint manufacturers.
7	• Any other non-hazardous waste	As advised by Akzo Nobel Pakistan Ltd.

Schedule-D

HEALTH, SAFETY, ENVIRONMENT AND SECURITY (HSE&S) REQUIREMENTS

HSE&S Responsibilities of the Company

1) The Company shall inform the Contractor regarding the site Health, Safety, Environment and Security ("HSE&S") systems, conformance to which is mandatory on the part of all contractors.

2) Company shall inform the Contractor of any applicable Safety rules, procedures, special work conditions etc. that would affect their Services.

3) The Company shall, prior to the commencement of the Agreement, verify that all requirements related to health and safety have been explained to the Contractor including, but not limited to, rules and procedures, work permit requirements and the use of personal protective equipment.

4) The Company shall periodically audit that the Contractor is meeting its HSE&S responsibilities. All violations shall be brought to the immediate attention of the Contractor but if an unsafe act or condition creates an imminent danger to the Company's property or employees or the environment, immediate steps shall be taken to discontinue the services under the Agreement.

5) The Company shall ensure that the Contractor understands the applicable provisions of the Site Emergency Plan and the required response of the Contractor's personnel.

NO. AD(EIA)/EPA/F-126(EIA)/2020 3653
GOVERNMENT OF THE PUNJAB
ENVIRONMENTAL PROTECTION AGENCY
QADDAFI STADIUM, LAHORE
Dated: 31/10/2022

To,

Mr. Muhammad Shahbaz Nawaz,
Administration & Security Manager,
M/s Akzo Nobel Pakistan Limited,
346 Ferozpur road, Lahore.

SUBJECT: **VERIFICATION OF ENVIRONMENTAL APPROVALS FOR NON HAZARDOUS WASTE COLLECTION**

Please refer to your letter No. Nil dated 29.08.2022 on the subject noted above.

2. I am directed to apprise that the Environmental Approval issued to the following projects is genuine as per the record (Attested copies are attached):

S.No	Verification required for Environmental Approval	Name of Project	Description of Project	Validity of Environmental Approval
1	No. DD(EIA)/EPA/F-186(IEE)/2015/18	Establishment of Scrap yard by Assa Traders, Sharaqpur, Saddiqia Colony, Tehsil & District Sheikhupura issued on 15.01.2020	Operational phase of scrap yard for storage and segregation of non hazardous scrap/waste i.e Empty Iron & Plastic drums, Polythene bags, Glass, Cotton Bags, Electric Cable Waste, Hard Plastic Waste, Iron Waste, Mild Steel, Small Paper Bags, Waste Plastic Products, PVC waste, Tetra Paper Waste and PET waste was issued vide lette No. No. DD(EIA)/EPA/F-186(IEE)/2015/18 dated 15.01.2020	Valid till 15.01.2023.
2	No. DD(EIA)/EPA/F-261(IEE)1010/2011/998	• As per record of EPA Punjab, Environmental Approval was issued to M/s Al Hamad Traders" vide letter No. No.	Construction of scrapyard for storage of non-hazardous	

AL AZIN TRADERS WASTE MANAGEMENT Proprietor

		DD(EIA)/EPA/F-261(IEE)1010/2011/978 dated 03.11.2017 instead of No. DD(EIA)/EPA/F-261(IEE)1010/2011/998. • Confirmation of Compliance was issued to Al Hamad Traders for collection, segregation, storage and disposal of non-hazardous scrap/waste i.e plastic bags containing paint waste, plastic, wooden and iron drums. The drum from various industrial and miscellaneous industrial scrap vide letter No. DD(EIA)/EPA/F-261(IEE)/2011/488 dated 03.08.2018. • The proponent applied for extension in validity period of Confirmation of Compliance on 25.01.2022 and application is under process in EPA Punjab.	scrap/waste	
3	No. DD(EIA)/EPA/F-126(EIA)/2020/103	Confirmation of compliance for the project, "Incinerator by M/s Al Azan Traders, near Mehmood Booti, Interpass, Lahore Compost Site, district Lahore issued on 16.12.2021	Operational phase of Incinerator by M/s Al-Azan Traders for handling & Incineration of various type of Hazardous Industrial Waste & Hospital waste was issued vide EPA letter No. No. DD(EIA)/EPA/F-126(EIA)/2020/103 dated 16.12.2021.	Valid till 16.12.2024.

ASSISTANT DIRECTOR (EIA)

CC:

i. One Window Cell EPA Headquarter

GOVERNMENT OF THE PUNJAB
ENVIRONMENTAL PROTECTION AGENCY
National Hockey Stadium, Gate No. 10
Ferozepur Road, Lahore 001110

NO. DD (EIA)/EPA/F-126(EIA)/2020/10.3
Dated: 16 / 2 / 2021

To,

Chief Executive,
M/S Al-Azan Traders,
R/O Street No. 35, Office 697, XX Block, DHA, Lahore.

Subject: **"CONFIRMATION OF COMPLIANCE" UNDER REGULATION 14 OF REVIEW OF IEE & EIA REGULATIONS, 2000 FOR THE PROJECT "CONSTRUCTION OF INCINERATOR BY M/S AL-AZAN TRADERS, LOCATED AT NEAR MEHMOOD BHOOTI INTERPASS, LAHORE CONMPOST SITE, DISTRICT LAHORE"**

Reference: Environmental Approval for construction phase issued vide letter No. AD(EIA)/EPA/F-126(EIA)/0911/2020/533 Dated 24.11.2020.

1. Description of Project: Operational Phase of Incinerator by M/S Al-Azan Traders, for handling & incineration of various types of Hazardous Industrial Waste & Hospital waste. Over an area of 30 Marlas with the capacity of 450-600kg/batch and incinerator consist of three chambers.
2. Location of Project: Near Mehmood Bhooti Interpass, (compost plant) District Lahore.

3. EPA Punjab has reviewed the Compliance Status Report of Environmental Approval issued vide letter No. AD(EIA)/EPA/F-126(EIA)/0911/2020/533 Dated 24.11.2020, received from Deputy Director (Environment), Lahore vide letter No. 98/DD(Env.)/EPA/LHR, dated 15.02.2021, EPA Punjab has also considered other relevant record before taking decision regarding issuance of "Confirmation of Compliance". Environmental Protection Agency, Punjab accords Environmental Approval under Section 12 of Punjab Environment Protection Act 1997 for Operation of your aforesaid Project subject to the following conditions:

   i. The Proponent shall ensure compliance with Punjab Environmental Quality Standards (PEQS);
   ii. Mitigation Measures suggested in the Environmental report and Environmental Management Plan (EMP) shall be strictly adhered to for minimizing any negative impacts on soil, ground water, air and biological resources of the Project area;
   iii. The Proponent shall maintain the record of auditable measures taken for implementation of Environmental Management Plan for verification by EPA, Punjab;
   iv. Monitoring shall be carried out during the entire period of the Project activities. Monitoring reports shall be submitted to EPA Field office on quarterly basis;
   v. The project proponent shall comply with all those conditions contained in environmental approval issued vide No. AD(EIA)/EPA/F-126(EIA)/0911/2020/533 Dated 24.11.2020, which are applicable to the operational phase.

4. The proponent shall be liable for correctness and validity of information supplied to this Department directly or through the environmental consultants.
5. The proponent shall be liable for compliance with Regulations 18 & 19 of IEE and EIA Regulation, 2000, regarding entry, inspections, and monitoring.
6. EPA reserves the right to impose any other conditions based on its monitoring.
7. Any change in the approved project shall be communicated to EPA, Punjab, and shall be initiated after obtaining approval to this effect.
8. This approval shall be treated as null and void if any or all of the conditions mentioned above, is not complied with and in case on any interim injunction by any court of law against the project.
9. The approval can be withdrawn at any time without any prior notice if deemed necessary in public / national interest.

P.T.O

AL AZAN TRADERS WASTE MANAGEMENT Proprietor

-2-

10. The proponent shall install vehicle tracking/monitoring system for waste transportation with online access to EPA, Punjab.
11. The Proponent shall follow the SOPs regarding dengue larvae eradication and shall ensure removal of stagnant water on daily basis.
12. This approval shall be valid for a period of **three years** from the date of issue under Regulation 17(3) of Review of IEE & EIA Regulations, 2000.
13. This decision is issued with the approval of Director General EPA, Punjab.

ASSISTANT DIRECTOR (EIA)

No. & Date Even.

A copy is forwarded to Deputy Director (Environment), Lahore vide letter No. 98/DD(Env.)/EPA/LHR, dated 15.02.2021. He is requested to ensure compliance with the conditions mentioned in the Environmental Approval and maintain the file / record of correspondence with the Project Proponent properly.

ASSISTANT DIRECTOR (EIA)

CC:

Deputy Commissioner, Lahore.

AL AZAN TRADERS WASTE MANAGEMENT Proprietor

ANNEXURE-VII

UNDERTAKING

E-STAMP

ID :	PB-LHR-BBBD9B6193DB502F
Type :	Low Denomination
Amount :	Rs 300/-
Description :	AFFIDAVIT- 4
Applicant :	RIZWAN AFZAL [35201-1280169-9]
S/O :	MIAN AFZAL AHMAD
Agent :	Self
Address :	LAHORE
Issue Date :	5-Jul-2023 11:29:36 AM
Delisted On/Validity :	12-Jul-2023
Amount in Words :	Three Hundred Rupees Only
Reason :	AFFIDAVIT- 4
Vendor Information :	Sohail Ahmad | PB-LHR-52 | Outside Model Town Courts

Scan for online verification

سہیل احمد اسٹام فروش
0322-4757127 لائسنس نمبر 52
بیرون ماڈل ٹاؤن کچہری لاہور
سیریل نمبر 65
دستخط .....

نوٹ: یہ ٹرانزیکشن تاریخ اجرا سے سات دنوں تک کے لیے قابل استعمال ہے۔ای اسٹامپ کی تصدیق بذریعہ ویب سائٹ، کیو آر کوڈ یا ایس ایم ایس سے کی جا سکتی ہے۔
Type "eStamp <16 digit eStamp Number>" send to 8100

MUHAMMAD HANIF
ATTESTED
MUHAMMAD HANIF
COMMISSIONER

UNDERTAKING

I, Mr. Rizwan Afzal S/o Mian Afzal Ahmad holding CNIC No. 35201-1280169-9, O/A 346 Ferozepur Rd, Lahore, Punjab being Proponent of "Construction of New Paints and Coatings Factory M/S AkzoNobel Pakistan Ltd" located at Plot No.120,121 Allama Iqbal Industrial City - SEZ, Faisalabad, do hereby solemnly affirm and declare that no internationally banned chemicals with carcinogenic/ toxic nature or irreversible impacts on food chain will be used during plant operations.

Date: 04-07-2023

Mr. Rizwan Afzal
Proponent
M/S AkzoNobel Pakistan Ltd

Witnesses:

Name: **Humaira Maqsood** CNIC: **35202-4276423-2** Sign: Humaira

Name: **Saad Shahid** CNIC: **35202-3137833-5** Sign:

Humaira.

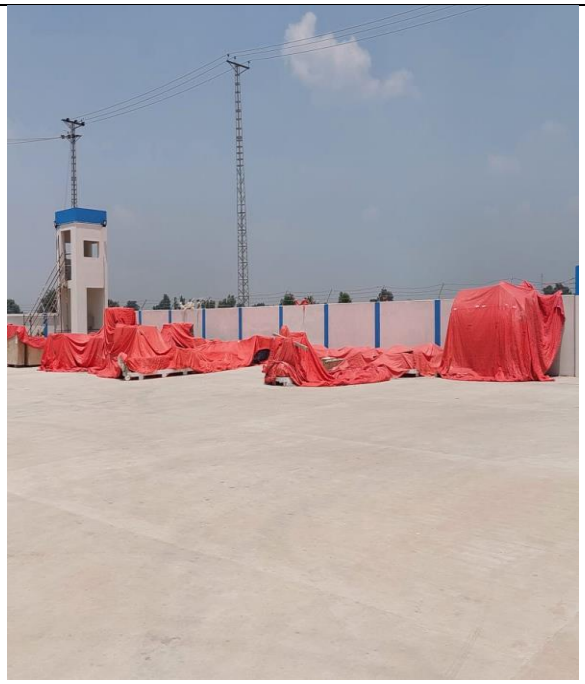
ANNEXURE-VIII

CONSTRUCTION MATERIAL STORAGE




SCRAP
YARD


STORE
YARD



ANNEXURE-IX

FIREFIGHTING ARRANGEMENTS


FIRE
FIRE
Spill Kit

ANNEXURE-X

APPOINTMENT & AUTHORIZATION OF ENVIRONMENTAL CONSULTANT

Akzo Nobel
Pakistan Limited

AkzoNobel

Appointment & Authorization of Environmental Consultant

In the Provincial Environmental Protection Agency (EPA, Punjab) Lahore

In the matter of Project namely

M/S Akzo Nobel Pakistan Limited

To whom these presents shall come that the undersigned appoint

Tti Testing Laboratories

Address: 347-S, Quaid-e-Azam Industrial Estate, Kot Lakhpat, Lahore – 54770, Pakistan.

To be the Environmental Consultants for submitting Compliance Status Report (CSR), follow-up the same till the final decision

1. To appear and represent the reply to the queries/objections, documents, explanations as shall be deemed necessary or advisable during the Review process of the above cause at all its stages till the final decision of EPA.
2. To withdraw, re-submit, revise the report or any act deemed necessary or advised in any manner relating to the said matter.
3. To appoint any Environmental Laboratory or other environmental expert authorizing him to conduct monitoring, surveys, data collection etc. whenever deemed fit to do so.
4. **To receive all the letters and NOC from EPA Punjab on behalf of client.**

Dated: 03-02-2022

Tti Testing Laboratories
Rizwan Afzal

Akzo Nobel Pakistan Limited
AkzoNobel
346-Ferozepur Road, Lahore

Proponent
M/S AkzoNobel Pakistan Limited

AN_200139_300114

346 Ferozepur Road,
PO Box 273,
Lahore 54600

T +92 42 111 551 111
T +92 42 3591 8585-88
F +92 42 3583 5011
www.akzonobel.com.pk/paints

Akzo Nobel Pakistan Limited is a part of the AkzoNobel Group

ANNEXURE-XI

CHEMICAL SUBSTANCE REGISTER