F-244(EIA)-23

EIA/2023

JKS

Environmental Impact Assessment of JDW Sugar Mill Limited Unit I (16000 TCD)

Chak No. 84/15- L, Tehsil Mian Channu and District Khanewal

Proponent

Mr. Noor Ul Amin

(DGM HR/Admin & Security)

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LIST OF ABBREVIATIONS

Approx.	Approximately
°C	Degree Celsius
dB (A)	A weighted Decibel Scale
EIA	Environmental Impact Assessment
EMMP	Environmental Management and Monitoring Plan
EMP	Environmental Management Program
Engr.	Engineer
WWTP	Wastewater Treatment Plant Plant
EPA	Environmental Protection Agency
ESPAK	Environmental Services Pakistan
M.Phil	Masters of Philosophy
Ph.D	Doctor of Philosophy
Km	Kilometer
Ltd.	Limited
m^3/h	Cubic Meter per Hour
No.	Number
NOC	No Objection Certificate
PEQS	Punjab Environmental Quality Standards
PEPA, 1997	Pakistan Environmental Protection Act, 1997
PEPA, 2012	Punjab Environmental Protection (Amendment) Act, 2012
PKR	Pakistani Rupees
PM	Particulate Matter
PPEs	Personal Protective Equipments
Pvt.	Private
SOPs	Standard Operating Procedures
TCD	Tons Crushing per Day
WAPDA	Water and Power Development Authority

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Executive Summary

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EXECUTIVE SUMMARY

1. Title and location of Project

This executive summary of Environmental Impact Assessment (EIA) Report presents a brief account of foreseeable environmental and social impacts likely to emanate from the project namely, ***Environmental Impact Assessment of JK Sugar Mill (Pvt) Limited Unit 1 (16000 TCD)***, located at Chak No. 84/15- L, Tehsil Mian Channu and District Khanewal. This proposed project involves the production of sugar with 16000 TCP capacity to fulfill the market demands. JK Sugar Mills (Pvt.) Limited was incorporated as Private Limited Company on April 13, 2017 under the repealed Companies Ordinance 1984. The company started its operations with acquisition of assets of Imperial Sugar Mills Limited, located at Vehari Road Kacha Khoo, Mian Channu, District Khanewal, Punjab, which was named JK-I (JK Sugar Mills, Unit-I).

JK Sugar Mills (Pvt.) Limited (JKSML) is principally involved in production and sale of sugar and allied products (Regularization letter from Industries Department attached as Annex- IV). JK Sugar is one of the leading sugar manufacturers of Pakistan. The Sugar Division comprises of two Sugar Mills Units: JK Unit-I (Vehari Road Kacha Khoo, Mian Channu, District Khanewal). JK Unit-II (Khambhra, Taluka Ubauro, District Ghotki, Sindh). There is one main product produced at the plant, along with two byproducts, which are: Refined White Sugar, Molasses (By-Product) and Bagasse (By Product).

The report describes the various actual and potential environmental impacts pertaining to both phases of the project, i.e. construction phase and the operation phase with reference to their extent and magnitude. Environmental Impact Assessment (EIA) study of the project has been conducted in accordance with the **Punjab Environmental Protection (Amendment) Act 2012** and **The Punjab Environmental Protection (Review of Initial Environmental Examination/ Environmental Impact Assessment) Regulations, 2022.**

Screening

The said project falls in **Schedule II** ***Category B (3) of the Regulations i.e.,"Sugar Mills and Distilleries"***. It requires an EIA Study. Thus, an EIA Study has been conducted and report is being prepared for submission of application in EPA Punjab to obtain Environmental Approval/NOC. The process for conducting an environmental assessment and the results of EIA is described in this document.

A brief outline of Project including name of Proponent and organization preparing report

Project Name	*Environmental Impact Assessment of JK Sugar Mill (Pvt) Limited Unit 1 (16000 TCD)*
Location	Chak No. 84/15- L, Tehsil Mian Channu and District Khanewal

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Proponent Name	Mr. Noor Ul Amin
Project Cost	Approx. 8.4 PKR Billion
Environmental Budget	Approx. PKR 75.0 Million
Total Area	117 Acres, 7 Kanals & 5 Marlas
Consultant Name	Smart Solutions
Products	Sugar Grade –A
Product Capacity	16,000 TCD
Nature of the Area	Industrial
No. of Boilers	3
Fuel of Boilers	Sugarcane Bagasse
Source of Power	Self generation and WAPDA

5. The major impacts and recommended mitigation measures

Following impacts are likely to occur during constructional and operational phase of aforesaid project:

5.2 Construction Phase

Anticipated impacts associated with the construction phase included noise (machine noise and vehicular noise), air emissions from earthwork and construction machinery and vehicles, and soil contamination due to leakage from or accidents of the construction or transportation vehicles or during on-site refueling, solid waste from construction activities, municipal water and safety of the workers and employment conflicts as the possible adverse environmental and social impacts. The said project is capacity enhancement of mill which is to be undertaken within the existing premises of the mills and as no human settlement exists within safe radius of selected site. Therefore, construction related impacts are not expected to extend to the community.

Mitigation measures recommended to be adopted during construction phase includes; running the machines/vehicles on good quality fuels, good working order ensuring regular maintenance, tuning and servicing, such as mufflers and silencers, etc. Water suppression and covered transportation and storage of the construction materials and slow driving on unpaved roads were adopted to control dust emission. Solid waste of construction activities was used for flooring, while the remaining solid waste will be managed as per practices in the area.

For community safety, irrelevant persons will not be allowed inside the facility. Safety of the workers will be ensured by adopting SOPs for all jobs, training the workers to follow SOPs, discouraging any careless attitude of workers and providing the workers with and encouraging them to use PPEs.

5.3 Operational Phase

The wastewater will be treated through Effluent Treatment Plant installed with adequate capacity and reused for horticulture activities and road sprinkling. The cyclones are installed to control air

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pollution from the boilers (design and drawing are attached as Annex-V). Ash collected from the cyclones is transferred to Ash collection point and sent to contractor for reuse in road construction (copy of contract for disposal of boiler ash is attached as Annex-VI). Sugarcane Bagasse from process produced will be used as fuel for the boilers. The press mud produced from mill house will be sold to contractor for reuse as bio fertilizer and as ingredient in cattle feed (copy of Contract is attached as Annex-VII). Similarly, molasses produced from process are stored and then sale to contractor for reuse as raw material in distillery plant for production of molasses (copy of contract for molasses sale is attached as Annex-VIII).

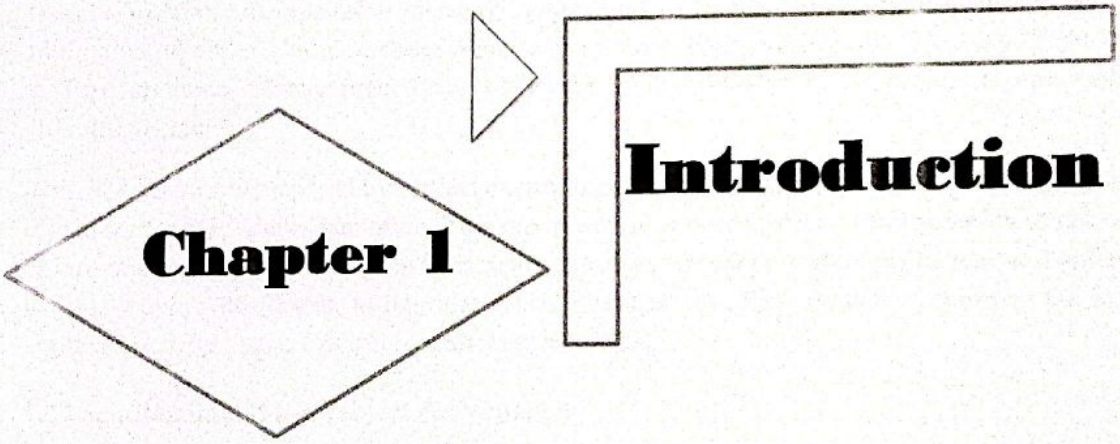
Proper ventilation of building has been ensured and use of dust masks by workers will be adopted as a mitigation measure for safety of the workers (HSE policy attached as Annex-IX). Recyclable waste including (PET bottles, PVC & PET sleeves, cardboard) sold out to venders. Domestic waste handed over to garbage handlers. Machinery will be regularly serviced and tuned to mitigate noise at source, noise barriers will block noise propagation and receptors will be protected by the use of PPEs. An Emergency Response Plan (ERP) will also be in place and the workers will be trained and guided about it.

5.4 Proposed Monitoring

During construction, ambient air quality for dust level in particular, vehicle and equipment exhaust, noise level, solid waste management and soil contamination, community and workers' safety (visual) need to be monitored on regular basis.

During operation, stack emissions from boilers, waste water quality after treatment, ambient air quality for dust level in particular, noise level, solid waste management and soil contamination, and community & workers safety need to be monitored as per guidelines of EPA. Monitoring Plan has been included in **Chapter 05**.

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1 INTRODUCTION

1.1 Purpose of the Report

For any development project to be initiated in the province of Punjab, it is mandatory to obtain Environmental Approval from EPA Punjab under **Section-12** of the ***Punjab Environmental Protection (Amendment) Act, 2012*** by filing an Initial Environmental Examination (IEE) or Environmental Impact Assessment (EIA) before EPA Punjab, as may be defined in *the* ***Punjab Environmental Protection (Review of Initial Environmental Examination/Environmental Impact Assessment) Regulations, 2022***. This Report presents the Environmental Impact Assessment (EIA) of JK Sugar Mills (Pvt) Limited. Unit-I (16000 TCD). For this purpose, the proponent engaged environmental consultants; **Smart Solutions** to conduct EIA Study of aforesaid project. The purpose of this study is to identify the environmental baseline i.e., physical, biological and socio-economic/cultural conditions and assess all possible impacts arising during the construction and operation phase of project and to find out appropriate measures for their mitigation, to either eliminate those impacts or to bring them to acceptable level and formulation of Environmental Management Plan (EMP) for implementation of the project in environment friendly manner.

This EIA Report is prepared by critical examining environmental factors which might be affected due to said project implementation. This report provides the basis for a determination of degree of environmental impacts of project. This report provides relevant information, as required under the officially approved format, to help the decision makers i.e., EPA Punjab in deciding the instant application for grant of Environmental Approval/NOC.

1.2 Identification of the Project & Proponent

The details of proponent of aforesaid project are given below:

Table 1: Details of Proponent

Details of Proponent	
Name	***Mr. Noor Ul Amin, (DGM- Admin)***
Contact No	0323-4856346
Email	nooramin@jksugarmills.com

1.3 Consultant's Details

The proponent of said project engaged ***M/s Smart Solutions*** to carry out the EIA Study of aforesaid project in accordance with EPA guidelines. For this purpose, the details of internal and external experts working on this assignment are given below in **Table-2**.

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Table 2: Consultant Details

Consultant Details	
Consultant	**Smart Solutions**
Address	Plot # 8(G) Ground Floor Choudhry Arcade Plaza, New Civil Lines, Faisalabad
Contact No.	041-2606188

To prepare an EIA Report of the respective project the consultant engaged the following experts. The details of the experts are given below in **Table-3.**

Table 3: List of Experts

Sr. #	Name	Qualification
Team Leader		
i.	**Malik Shaukat Hayat**	M.Phil Environmental Sciences/ M.Sc Chemistry
ii.	**Dr. Ambreen Lateef**	Ph.D Environmental Sciences
Environmental Scientist		
ii.	Ms. Kiran Irshad	M.Phil. Environmental Sciences
Environmental Engineer		
iii.	Engr. Fareha Daud	B.Sc. Environmental Engineering
iv.	Engr. Hamna Shafique	B.Sc. Environmental Engineering
v.	Engr. Tehreem Akhtar	B.Sc. Environmental Engineering
vi.	Engr. Muhammad Umer	B.Sc. Environmental Engineering
vii	Engr. Salman Ahmed	B.Sc. Environmental Engineering

1.4 Brief description of Nature Size & Project Location

The aforesaid project under study is titled as *"**Environmental Impact Assessment of JK Sugar Mills (Pvt) Limited. Unit-I (16000TCD)**"*. The aforesaid project is located at Chak o. 84/15- L, Tehsil Mian Channu and District Khanewal. The coordinates of site are; ***30°14'58.4" North*** and ***72°11'10.8" East.*** The location of the aforesaid project is:

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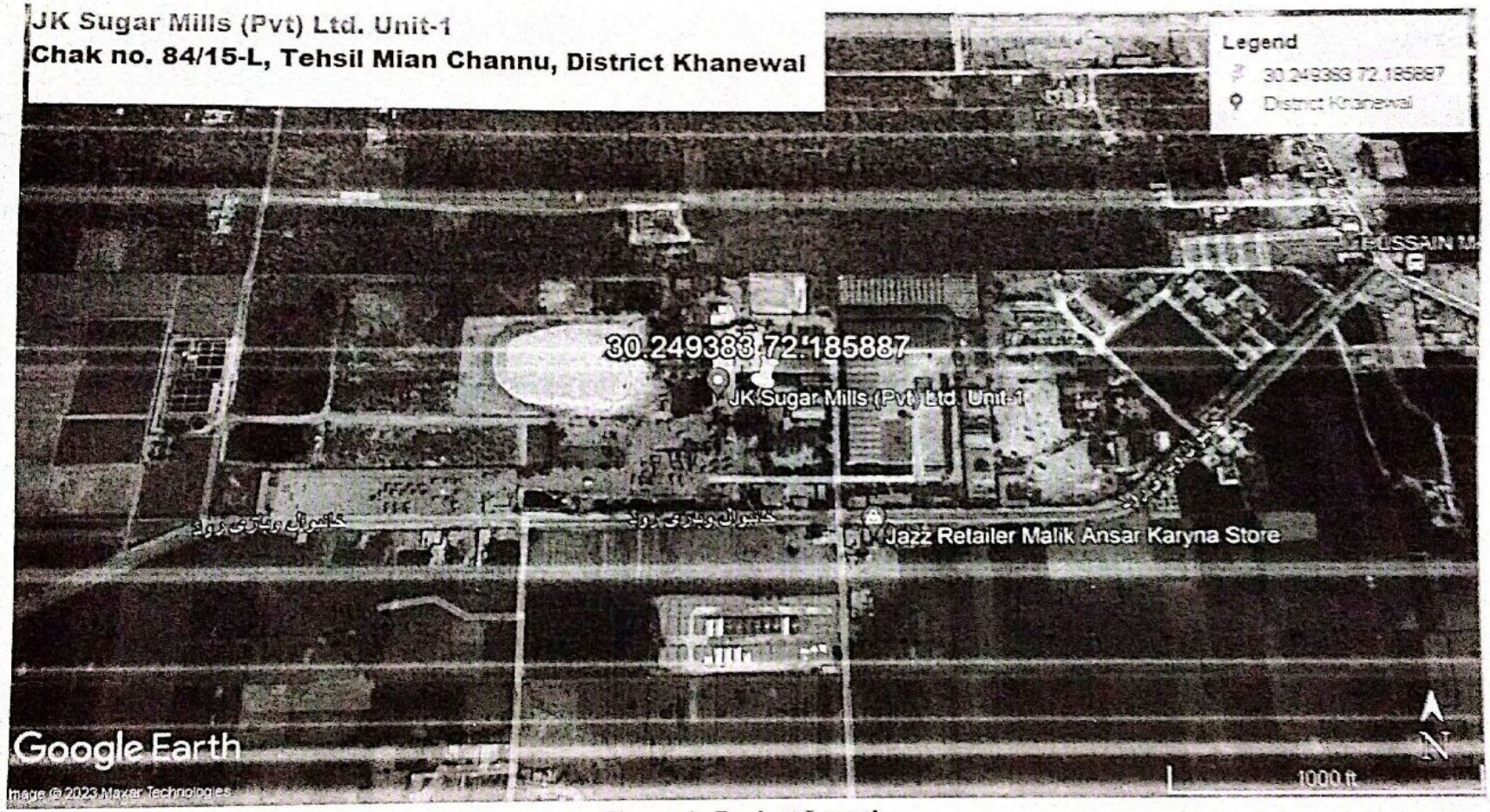


Figure 1: Project Location

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Chapter 2

Screening

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2 SCREENING

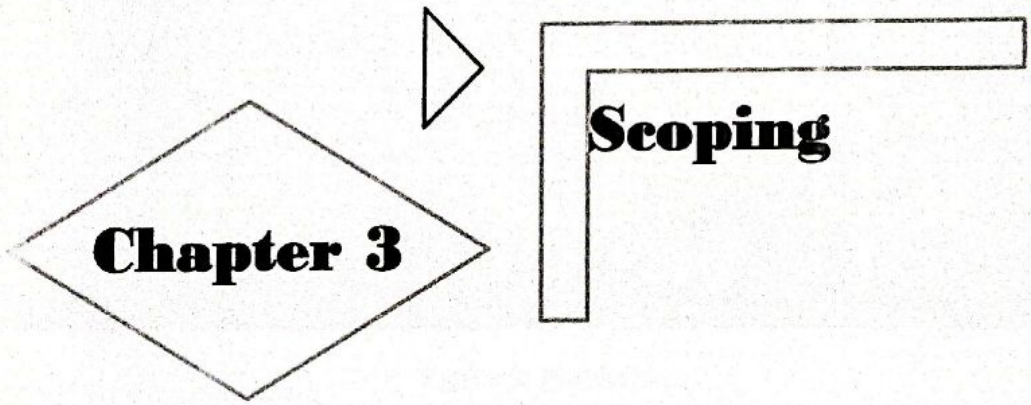
For the prediction and mitigation of impacts associated with project implementation at an early stage of project development, it is pre-requisite under the environmental laws to undertake Initial Environmental Examination (IEE) and Environmental Impact Assessment (EIA) Study as the case may be. Based on its nature, size and related impacts, the project under consideration has been categorized for EIA Study as stated in ***Regulation 03 of Statutory Notification (S.R.O No. O1/EPA/EIA/MISC/21/4214).*** As per the statutory notification of The Punjab Environmental Protection (Review of Initial Environmental Examination and Environment Impact Assessment) Regulations, 2022 made under Section 12 of Punjab Environmental Protection Act, 1997 (Amended 2012), which is reproduced as under;

"No proponent of a project shall commence construction or operation unless he has filed with the Government Agency designated by Federal Environmental Protection Agency or Provincial Environmental Protection Agencies, as the case may be or where the project is likely to cause an adverse environmental effect an Environmental Impact Assessment (EIA) and has obtained from the Government Agency approval in respect thereof."

The aforesaid project i.e., ***"Sugar processing Mill"*** falls under Schedule II i.e., Project requiring EIA, **Category B (3); *Manufacturing and Processing -Sugar Mills and Distilleries.***

Thus, an EIA Study has been conducted and report has been prepared for submission in EPA Punjab as prescribed to seek Environmental Approval/NOC.

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3 SCOPING

Spatial and temporal boundaries of Environmental Assessment

The said project involves the production of sugar and installed by adopting proper mitigation measures to avoid disturbance to local environment. All the anticipated impacts associated with project are mitigated properly by adopting latest technologies. No environmental sensitive area is present within safe distance that could be impacted due to current project installation.

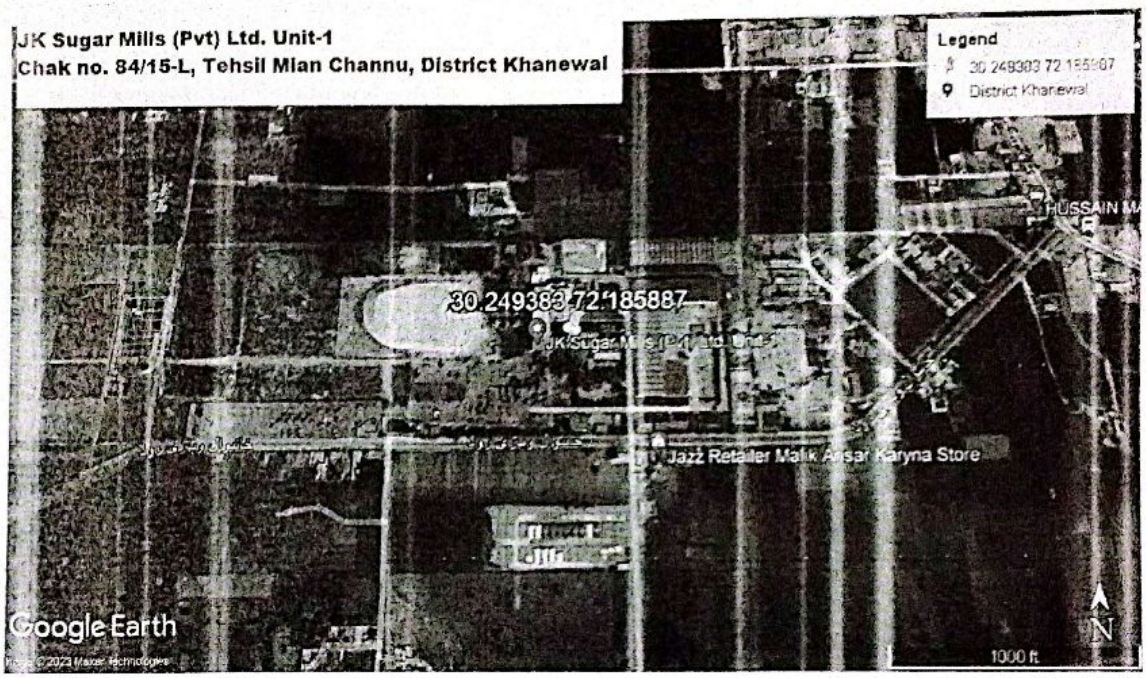


Figure 2: Project site

3.2 Important issues and concerns raised during consultation

During consultation it was observed that maximum of people was in favor of project and following issues and concerns were raised. In chapter 10 Stakeholder Consultation it is mentioned in detail.

During survey following concerns of the local community, Government Departments and Environmental Practitioners and experts were noted:

- Locals should be preferred for the job opportunities.
- Wastewater should be treated and disposed off properly
- Solid waste should be managed effectively by adopting the standard practices of the area.
- An effective EMMP should be designed and enforced with true spirit.
- Health of the workers should be ensured.
- Plantation should be carried out at extensive scale.

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- Noisy activities should be confined.
- Indigenous tress around the facility should be planted to control air pollution.
- Tree cutting should be avoided to the extent possible.

3.3 Significant impacts and factors to be determined

Main impacts and factors to be determined are

- Job opportunities for locals
- Tree plantation at designated green areas
- Occupational Health and safety
- Emergency preparedness
- Site Security
- Traffic Management
- Hygiene management
- Control Air emissions
- Confined noisy activities
- Resource conservation
- Excessive water consumption
- Energy efficient techniques must be adopted
- Proper site restoration after construction

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Chapter 4

Consideration of Alternatives

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4 CONSIDERATION OF ALTERNATIVES

4.1 Site Alternative their selection and rejection criteria

No project site alternative was considered for the JK Sugar Mills (Pvt) Limited. Unit-I as the project site is owned by proponent. Hence, no site alternatives are considered for this project. The selected site is suitable for the following reasons:

- The site is owned by JK Sugar Mills (Pvt) Limited. Unit-I and there is no dispute associate with the landownership
- The site is located at a suitable distance from community.
- The site is accessible through main roads and infrastructure of that area is fully developed.

Keeping in view these requirements and the availability of land required for the instant extension, this site is best suited for the construction of aforementioned Unit. It is envisaged that, there is no protected or environmentally sensitive area present in the vicinity of the project area that could be impacted due to the establishment of the said project. Accordingly, the selected site is ideally suited for the development of the industrial unit as the site is surrounded by various industrial units and is in industrial estate.

4.2 Design/technology alternatives, their selection and rejection criteria

For existence of current project state of art technology has been selected to minimize emissions and ensure environment friendly operation. Proponent is doing heavy investment for this project so latest/state of art technology will be preferred to ensure good quality products.

4.3 Environmental Alternatives, their selection and rejection criteria

After completion of construction, proper landscaping will be done. The wastewater generated will be treated through WWTP and then disposed off in compliance with PEQS. Solid waste includes bagasse, press mud and ash. The bagasse will be reused as fuel in Boilers, press mud and ash will be sold to contractor for further use as fertilizer. Moreover, the proponent is very concerned and conscious about the quality and equally about the environmental protection and resource conservation. Proper tree plantation will be done at designated green areas after completion of construction. Latest and energy efficient machinery will be installed. Recyclable waste including (PET bottles, PVC & PET sleeves, cardboard) sold out to venders. Domestic waste handed over to garbage handlers.

4.4 Economic Alternatives, their selection and rejection criteria

- ETP of adequate capacity and efficiency is already installed and working at said project.
- Tree plantation will be done that will reduce temperature of the area and also act as noise barrier.

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- Building design will be such that maximum use of day light and LED lights will be installed to minimize electricity consumption.
- Currently selected technology and design is economically efficient.

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Chapter 5

Description of Project

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5 DESCRIPTION OF THE PROJECT

5.1 General

This section covers the project comprehensively. It holds salient features including; location, project site layout, objectives, process employed, cost and magnitude of operation, etc.

5.2 Project Objective

Environmental Impact Assessment of JK Sugar Mill (Pvt) Limited Unit I (16000 TCD) is the production of A- Grade Sugar to meet market demand. The project encompasses modern state-of-the-art unit with the objective of initiating, producing and market safe efficacious, cost effective and superior quality products to improve the environment and well-being of the community. The above-said project provides customized and quality products to cater the needs of sugar by taking into consideration the best ways to reduce pollution and safeguarding the environment. The project will have following advantages:

- To produce sugar to meet increasing demand of market.
- To provide additional income and gainful employment to local people.
- Socio-economic up-lift of JK Sugar Mills (Pvt) Limited and the local community through direct job placements and indirect business opportunities.
- To provide Products for export to other countries hence gaining the foreign exchange for the country.
- For creation of new job opportunities and promoting income prospects for those engaged in the allied activities associated with operation of project is considered as indirect objectives of the project.

5.3 Project Background/Introduction

JK Sugar Mills (Pvt.) Limited (JKSML) is principally involved in production and sale of sugar and allied products. JK Sugar is one of the leading sugar manufacturers of Pakistan. The Sugar Division comprises of two Sugar Mills Units: JK Unit-I (Vehari Road Kacha Khoo, Mian Channu, District Khanewal). JK Unit-II (Khambhra, Taluka Ubauro, District Ghotki, Sindh). There is one main product produced at the plant, along with two byproducts, which are: Refined White Sugar, Molasses (By-Product) and Bagasse (By Product).

JK Sugar Mills (Pvt.) Limited was incorporated as Private Limited Company on April 13, 2017 under the repealed Companies Ordinance 1984 (now the Companies Act, 2017). Registered office of the company is located at Bahria Town Tower, 172/2 PECHS, Main Tariq Road, Karachi.

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The company started its operations with acquisition of assets of Imperial Sugar Mills Limited, located at Vehari Road Kacha Khoo, Mian Channu, District Khanewal, Punjab, which was named JK-I (Unit-I).

5.4 Project Location and Layout

The proposed site for the Environmental Impact Assessment of JK Sugar Mill (Pvt.) Limited Unit I (16000 TCD) is located at Chak No. 84/15- L, Tehsil Mian Channu and District Khanewal. The coordinates of site are; ***Latitude 31°14'58.4" North*** and ***Longitude 72°11'10.8" East.***

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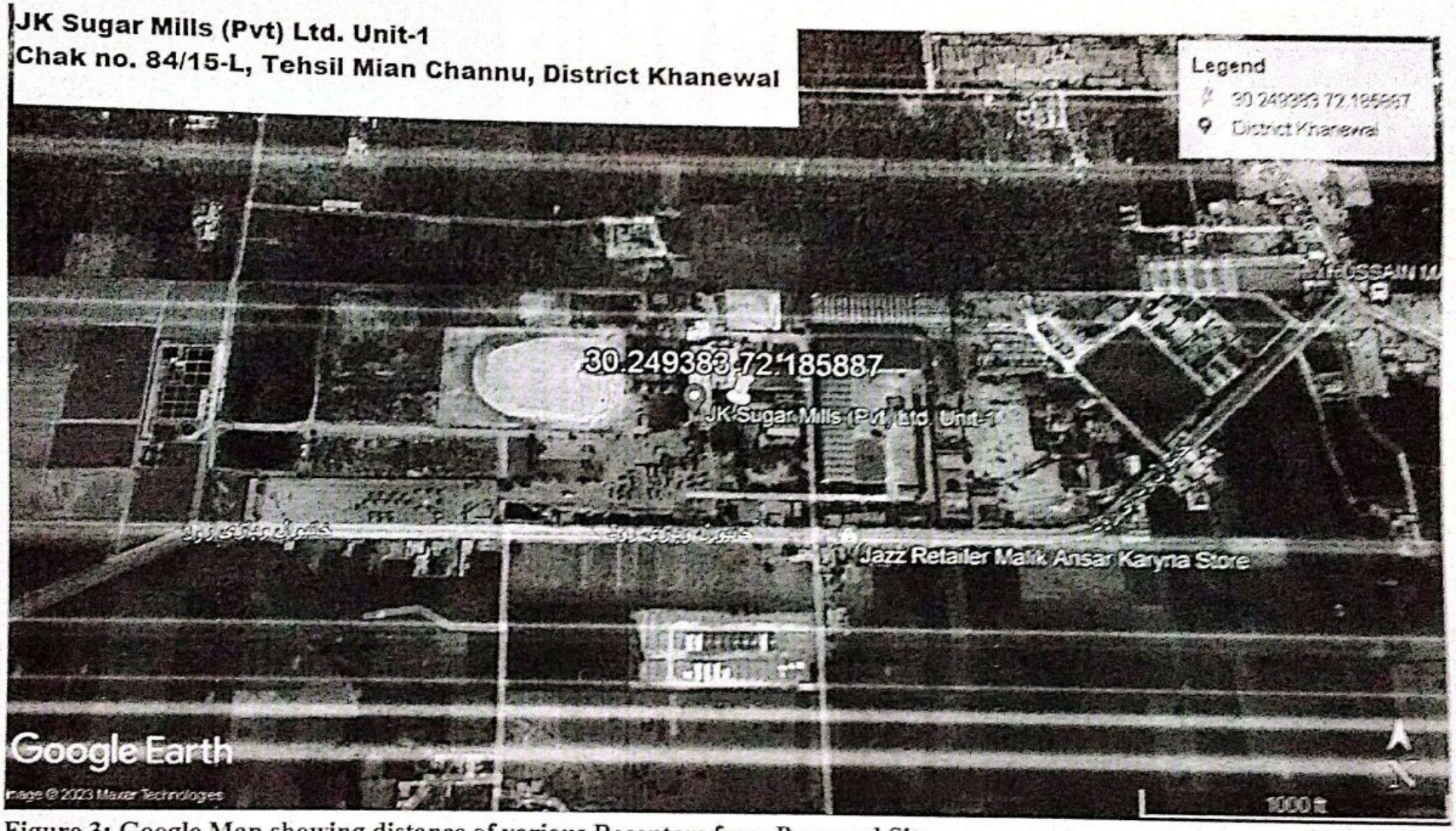


Figure 3: Google Map showing distance of various Receptors from Proposed Site

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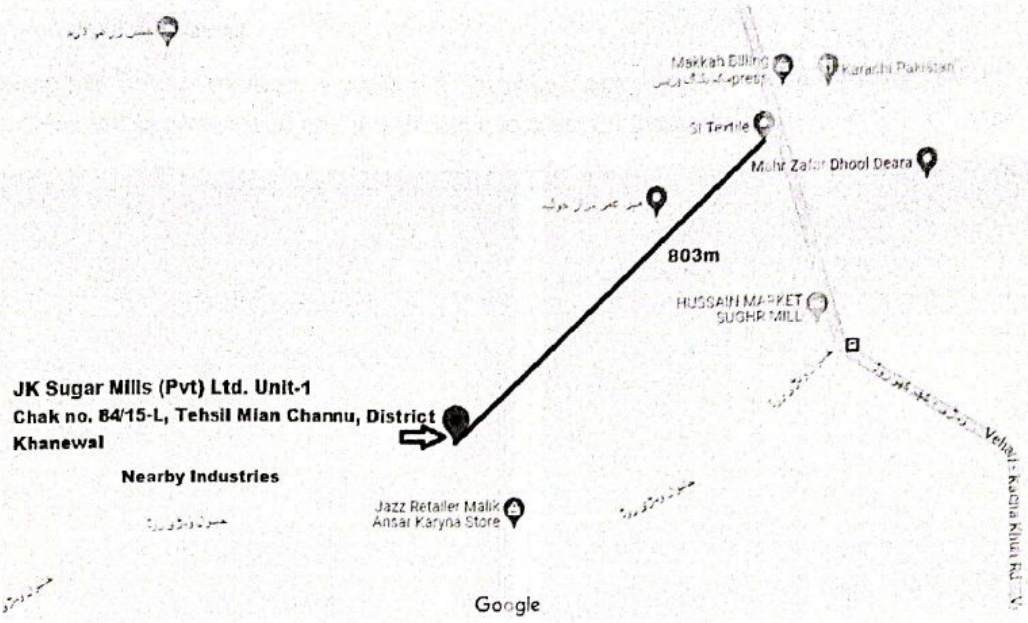


Figure 4: Map Showing Distances from nearby Industries

5.5 Land use on the site

The land use on project site industrial. In the said project, infrastructure has been developed and used for installation of machines and equipment as per the requirements.

5.6 Road Access

The site is accessible through Khanewal Vehari Road at distance of 135m. The road access map of project is attached below:

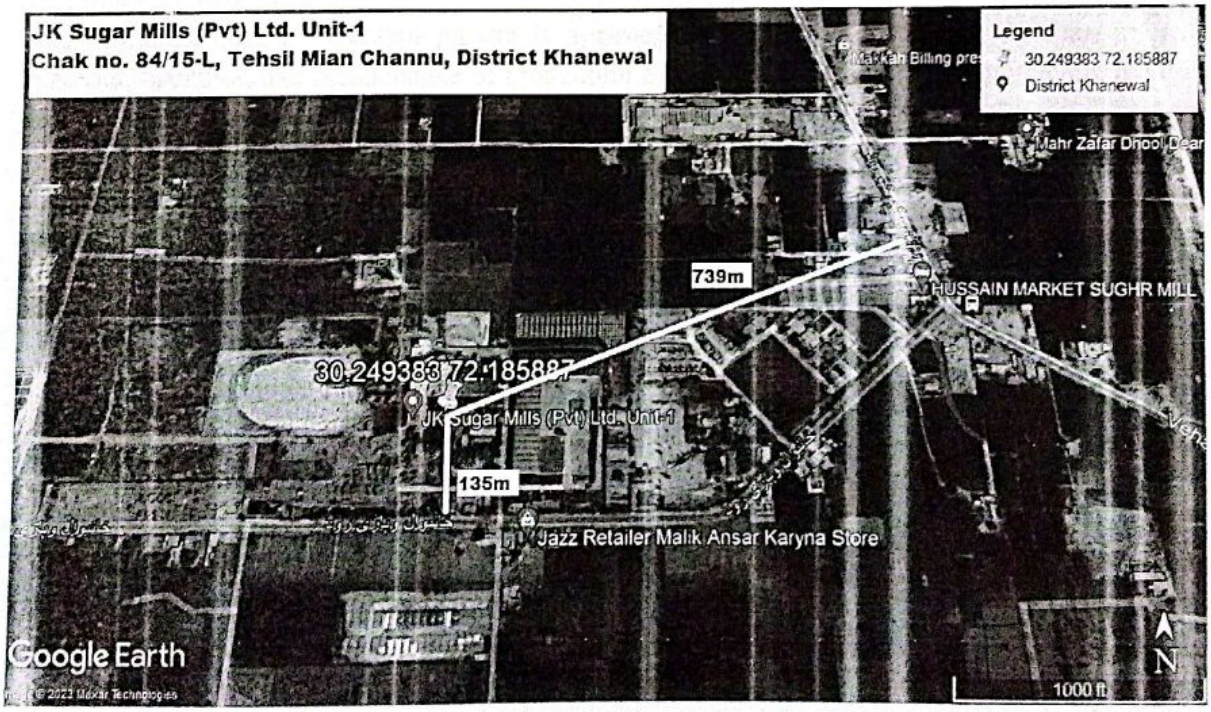


Figure 5: Road Access Map of Proposed Site

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5.7 Vegetation Features

Landscaping/ Tree plantation is present in surroundings of project area. During operation phase, green belts will be developed and it will serve as a useful green buffer.

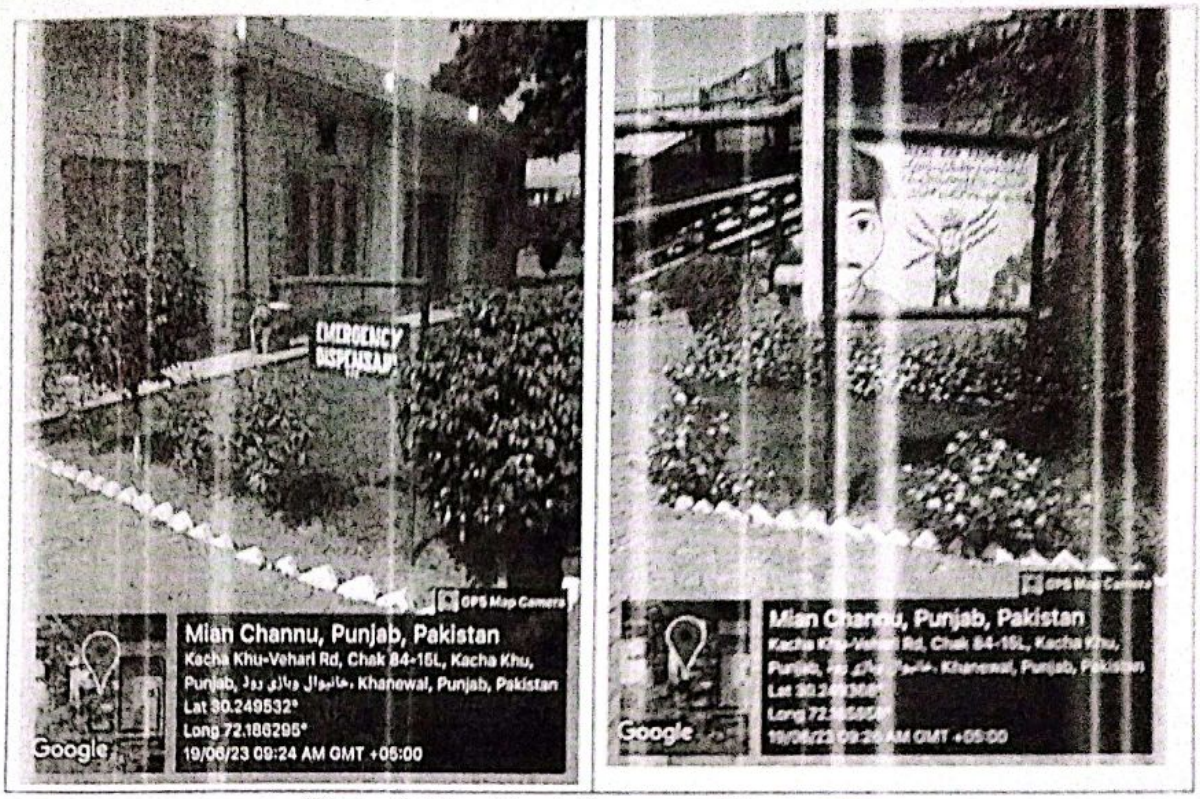


Figure 6: Tree Plantation around Project Site

5.8 Cost and Magnitude of Operation

The estimated cost of aforesaid project is **approximately PKR 8.4 Billion.** Purchase of raw material, operation and maintenance of production machinery are the costly activities involved in the operation phase of said project. Equipment safety will be assured if these operations are carefully managed. However, budget will be allocated for purchase and maintenance of standardized PPEs for workers and for waste management and environmental enhancement (HSE policy attached as Annex-VIII). Despite these costs, this project was found to be financially feasible. Magnitude of operations includes:

- Applying for and getting all necessary approvals and contracts
- Installation of firefighting equipment (details are attached as Annex-IX)
- Marking of emergency exits and assembly points
- Tree plantation and landscaping

The allocated environmental budget is **PKR 75.0 Million approx.** The allocated environmental budget will be spent on landscape/green zone management, solid waste management, effluent treatment plant and its maintenance along with Environmental monitoring. The proponent will plant indigenous and ornamental plants to increase the aesthetic value of the area. Thus, the project is also a source of employment for locals and would help in economic development activities of the area.

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5.10 Project Description

The project involves the production of Sugar and located at Chak No. 84/15- L, Tehsil Mian Channu and District Khanewal. The total area of the unit is 117 Acres, 7 Kanals & 05 Marla with capacity of16,000 TCP.

5.10.1 List of Machines

the list of machines is attached as Annex- X.

5.10.2 Raw Material

The sugar cane is the main raw material which will be purchased from local farmers.

5.10.3 Process Description

The said project is Environmental Impact Assessment of JK Sugar Mill (Pvt) Limited Unit I (16000 TCD) to produce of refined sugar (white) through sugarcane using **Defecation-Remelt-Phosphitation Process (Talo Process)**. The main steps involved in the process are following.

1. Washing and Initial Preparation
2. Extraction of Juice
3. Purification of Juice
4. Concentration of Juice
5. Crystallization
6. Centrifugation
7. Drying and Packing

-

5.10.3.1 Weighting and Initial Preparation:

The sugar cane are harvested after quality examination from food quality expert. The farmers then harvest the cane and transport it to the mill. Sometimes the cane is also bought at the mill's own centers within the command area from where it is then transported in trucks or via rail to the mill.

Sugar Cane is weighed using an electronic weigh bridge to maintain record of gross weight and then unloaded into cane carriers manually. Which conveys the cane to the cane preparatory devices. Electronic devices, depending on the cane-crushing rate control the speed of the cane carrier, and level in the cane carrier etc. The sugar cane is passed through the cane preparatory devices called leveler, cutter and shredder where in the cane is cut into small pieces to expose the juice cells for extraction.

5.10.3.2 Extraction of Juice

The prepared cane then passes through the milling 2 tandem having 4 roller mills necessary feeding device. The milling train continues to extract the maximum sucrose from the prepared cane with addition of hot water spray in last two mill which is called compound imbibition system. The cane is conveyed between mills with the help of mechanical conveyors. Screens then filter the extracted juice and filtered juice is pumped for further processing. The fibrous residue after juice extraction known as bagasse is withdrawn and conveyed through bagasse conveyors to boiler for steam

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generation. Surplus bagasse is withdrawn from the conveyor and stored for reuse when necessary. This baggase may be used as substrate of chip board plant and number of other industrial purposes. The bagasse conveyor also has return conveyor to feed the stored bagasse

5.10.3.3 Juice clarification:

The mixed juice received from milling after filtration is weighed in a juice weighing scale or by a mass flow meter to know the quantity of juice flowing. The juice contains certain undesirable impurities, which are removed before it is taken for concentration in evaporators. The juice is first heated to a temperature of 70-75°C. The hot juice is then mixed with lime to increase pH upto 7.2-7.5. The treated juice is again heated to a temperature of 102-105°C. The heated juice is then sent to a gravity settler known as clarifier wherein it stays for 45min so that mud agglomerate to form flocs and settles.

The mud settled at bottom of clarifier is withdrawn continuously and is mixed with baggase to form fine baggasalo. Then it is filtered in a rotary vacuum filter. The filtered mud after removing residual juice in the filter is scraped from the filter drum and sent out. The filtrate juice is returned to the raw juice tank and re-circulated. The mud is used as bio-fertilizer and cattle feed.

5.10.3.4 Evaporation:

The clear juice will then be concentrated into syrup by boiling using steam in a process called evaporation. The main aim of this is water removal by multiple effect evaporation. Multiple effect evaporation is the scheme where the juice is boiled in series 4 or 5 vessels, with the steam being fed to vessel 1 only. The vapour from vessel 1 will boil the juice in vessel 2 and the vapour from 2 will boil the juice in 3, and so on until vapour from the final vessel goes to waste and the sugar is crystallized in vacuum pans. The clear juice gets concentrated from a brix of 15 to 65 after passing through multiple effect evaporators.

5.10.3.5 Crystallization:

Crystallization of sugar is one of the most vital steps in sugar milling which involves the formation of solid crystals. In the crystallization stage, the syrup will be boiled at low temperatures under partial vacuum and some sugar seeds added which will cause the development and growth of sugar crystals and the outcome is called massecuite. This will involve the feeding of pulverized sugar into the pan as the liquid evaporates, causing the formation of a thick mass of crystals. The crystals will then be spun dry in a centrifuge to produce crystal sugar. Crystallization is not only a means to convert the sucrose to a more usable form, but also an important refining step since pure sucrose tends to crystallize out of the solution, leaving most of the impurities in the associated syrup. The process will be undertaken under reduced pressure of 75-90kPa to allow a reduced boiling temperature (60-72°C) in order to avoid the formation of colored compounds. Crystals thus obtained will have a size of 1.5-4mm.

The sugar is then sent to sugar storage bins with the help of bucket elevators. The storage capacity of these storage bins is enough to store 24 hours production. The sugar is discharged from bins to fill 50kg bags and weighed automatically by electronic type automatic weighing machines. The sugar bags are transported to warehouse through belt conveyors.

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5.11 By-products

Molasses constitute the final effluent obtained on the preparation of sugar by repeated crystallization and will be in the form of non-useable molasses (blackstrap) or as edible syrup for industrial use. The non-useable molasses (blackstrap) are used as animal feed additive. In the latter stages, the molasses may also be used to produce ethanol, compressed yeast, citric acid and run through the establishment of a distillery in the factory. But at present the molasses are be stored in storage ponds and sold out (copy of Contract is attached as Annex-VIII). Similarly mud and ash produced from the process will be sold to contractor, copy of contractor is attached as Annex-VI for Ash and for Mud as Annex-VII.

5.13 Mass Balance

The quantity of By- Products produces from the process are given in below Table 4.

Table 4: Quantities of By Products

Sr. No.	Particulars	Quantity (%age)	Quantity (tons/day)	Disposal/ Remarks
1	Mud	4-5 % Cane	720	100% sold out through Contractor
2	Molasses	4.5-6 % Cane	960	Storage in steel tank 100% is sold out
3	Ash	0.75 % Cane	120	Sold to contractor
4	Bagasse	32 % Cane	5120	Used as Fuel for Boiler

5.14 Supplies

Following supplies will be required/utilized for Sugar processing Mill :

5.14.1 Water requirement

The process water requirement of the unit during operational phase is given in below Table No.5:

Table 5: Water Balance

Sr No.	Description	Requirement/ m^3
1.	Water Taken from tube well	1208680 m^3
2.	Water consumed at boiler	4,30,757 m^3
3.	Water evaporated in Spray Ponds (20%)	(777923*20%)1,55585 m^3
4.	Water consumed for plantation & Other	3,00000 m^3
5.	ETP water reused for Agriculture	249600 m^3
6.	Water consumed in Sugar Processing	72738 m^3

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5.14.2 Power & Steam Requirement

Steam requirement of plant will be fulfilled through 3 boilers of 50, 50 and 80tons capacity each. The amount of bagasse produced by the factory is estimated to be adequate to provide the amount of heat required for the boilers. Bagasse constitutes the main source of fuel for processing, with its combustion being undertaken in a closed environment thus, making it possible for complete combustion for higher energy saving and minimal aerial discharges. Boilers are equipped with cyclones and ash catcher for proper emissions control (Boiler Inspection Certificates and Monitoring reports are attached as Annex-XI and XII).

Power requirement will be fulfilled through Self generation and WAPDA. The self-generation system produced around 12MW of electricity and plant requirements are 7MW.

5.14.3 Manpower

The factory workforce requirements will include both permanent and casual workers. Total number of workers will be 450. During off-season, number of workers will be 140.

5.14.4 Personnel Protective Equipment

Following Personnel Protective equipment will be provided to the workers for their safety:

- Protective Goggles
- Protective leather/rubber shoes
- Gloves-leather, canvas, rubber and plastic
- Protective shields
- Overcoats
- Surgical masks

5.14.5 Management Plans

For the management of the wastewater and air emissions following measures will be adopted:

5.14.6 Wastewater and Wastewater Treatment Plant

During processing wastewater generated is treated through the installed ETP. The wastewater consists of pH adjusting tank / equalization tank, anaerobic tank, aerobic tank, secondary sedimentation tank, primary and secondary sludge drying beds ETP layout is attached as Annex XIII. The parameters of treated wastewater are within PEQS limits as illustrated in monitoring reports (attached as Annex- XIV) and used for on-site horticultural activities and for nearby agricultural lands.

5.14.7 Air Emissions

During construction, dust emissions will be controlled by water sprinkling. Proper tuning of vehicles carried out on the regular basis in order to control the air pollution. The material prone to wind will be covered with tarpaulin.

During operation phase, crushing will be done in closed vicinity to prevent spread of particles of sugar cane. The cyclones are installed with boiler to mitigate the air emissions. Generators are placed in separate rooms. Workers will be provided with PPEs to reduce the impact of air emissions. Hence, by adopting proper mitigation measures, air emissions have been controlled. The air quality

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monitoring reports are attached and all the parameters are within PEQS limits (reports are attached as Annex-XIV).

5.14.8 Solid Waste

The solid wastes and by-products of the said project are bagasse, mud and ash. Bagasse is cane milling waste fibre matter whose content will be about 32.98 % of the cane. That has been re-used as fuel in the Boilers for steam generation.

The bagasse will be stored in a bagasse yard before reuse at the sugar factory. The mud will be generated and used for the production of dry mud cake that has been used as a fertilizer or cattle feed. The press cake will be sold to contractor (copy is attached as Annex-VII). Ash produced also sale to contractor (copy of contract is attached as Annex-VI). The disposal of non-biodegradable and recyclable matter, such as containers, waste papers, used materials, waste packaging materials, will be sold to local contractors for recycling or reuse purpose.

5.15 Evacuation Plan

The layout is designed in view of safety and security of work place and workers and maintained according to policy of the company. Emergency exit passages are established and maintained. A proper evacuation plan is formulated to cope with any emergency situation. Assembly points are set and proper training is provided to the workers and staff (Health and Safety documents are attached as Annex- IX).

5.16 Firefighting Plan

The management has established a firefighting system and has placed CO_2 and dry chemical powder fire extinguishers at appropriate place to combat with any accident. Indoor and outdoor fire hydrants and fire monitor will be installed according to the codes and standards. Diesel storage tank area will be provided with foam devices / extinguishers. Sand buckets, foam sprays etc. will always remain in ready state. The emergency exist routes and assembly points are mentioned and details of Fire Fighting equipment's are given in Annex-IX.

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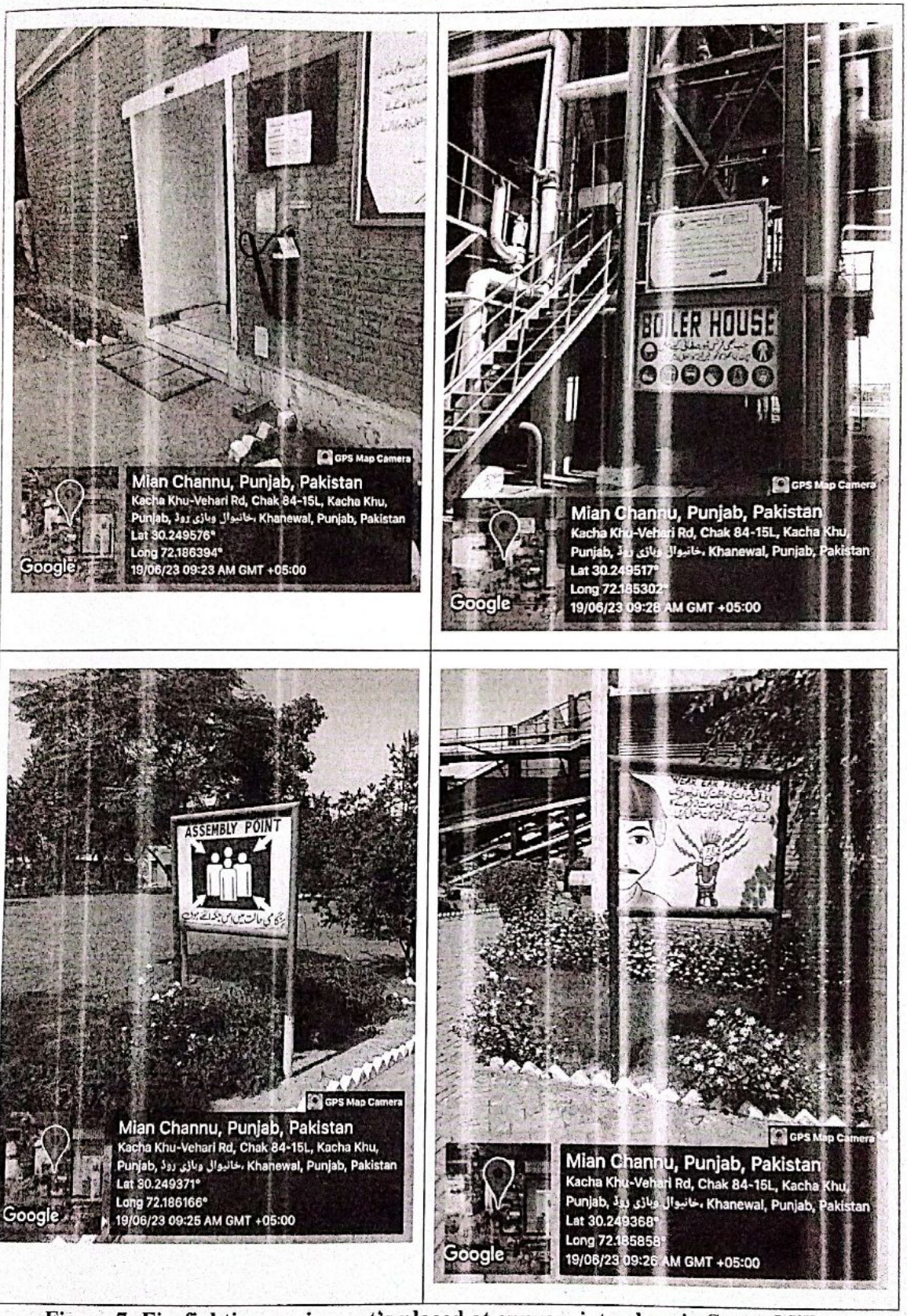


Figure 7: Firefighting equipment's placed at appropriate place in Sugar Mill

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5.17 Relocation and Rehabilitation Plans

No structure of any significance stands at the site to be relocated or dismantled. Land is already under JK Sugar Mills (Pvt) Limited Unit-I, therefore, no relocation and rehabilitation are required.

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Chapter 6

Description of Environment

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6 DESCRIPTION OF THE ENVIRONMENT

6.1 GENERAL

This section covenants with the prevailing environmental conditions of the project area. Information that has been collected from different sources, including public literature, reports of other studies conducted in this area, knowledge with the proponent and the concerned government departments and the first-hand surveys and field measurements has been presented in this section.

This chapter of Environmental Impact Assessment (EIA) encompasses all the important aspects of local environment; such as biological resources, socioeconomic development and quality of living values. A Social survey in the Project Area was also carried out through consultation with the various communities. Local residents living in the Project Area were interviewed to obtain their feedback regarding the construction of the Project and its impacts on their daily life/future in the short and long term.

6.2 PHYSICAL ENVIRONMENT

This part examines the physical resources such as topography, soil, climate, surface and ground water resources and quality, ambient air quality and geology of not only the Project site but also the city as a whole to assess whether the project under assessment can or does have any impacts on any of these parameters. The description of physical environment of *Khanewal* city and the project site is presented in the following sub sections.

6.2.1 Geography and Geology

Khanewal is located at 30°18'0N 71°55'0E with an altitude of 128m. It comprises of four tehsils: Khanewal, Mian Channu, Kabirwala and Jahanian & Situated on Peshawar-Karachi main railway line and on National Highway. Moreover, it is surrounded by six districts: Multan, Jhang, Sahiwal, Vehari, Toba Tek Singh and Muzaffargarh. Its boundaries meet the districts of Jhang and Toba Tek Singh in the north, Sahiwal in the east, Vehari in south and with Multan in the west.
Underground water resources are generally adequate throughout the district. The subsoil water is sweet and suitable for industrial purposes. There is no mentionable nullah available in the district. However, effluent of industry can be disposed of in the rivers, namely Chenab and Ravi, after pretreatment, with permission from the Irrigation and Power Department, Government of the Punjab.[1]

The topography of project area is *flat*. The site selected for the project ***"Capacity Enhancement of JK Sugar Mills Ltd. Unit-1"*** is located at Chak No 84 /15-L, Tehsil Mian Channu, District Khanewal. The coordinates of the site are; **Latitude 30°14'58.4" N and Longitude 72°11'10.8"E.**

6.2.2 Demography

At the time of the *2017* census, the District Khanewal had a population of *2,920,233*, of which 1,482,668 were males and 1,437,272 females. Rural population is 2,333,801 while the urban population is 586,432. The literacy rate was 58.59%. Muslims were the predominant religious

[1] https://khanewal.punjab.gov.pk/index.php/geography

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community with 98.26% of the population while Christians were 1.69% of the population.[2]

6.2.3 Seismic Map

A seismic hazard analysis is based on both the geological and seismological history of the region, including recent and historical seismicity (earthquake catalogue), supplemented with available paleo-seismological information.Pakistan is an earthquake prone country. A number of earthquakes have hit Pakistan resulting in losses of life and property. By using recorded data the seismicity and zoning maps of Pakistan have been developed by PMD. The project site falls in Seismic Zone *2A/minor to moderate damage zone* according to the Seismic Zoning Map of Pakistan.

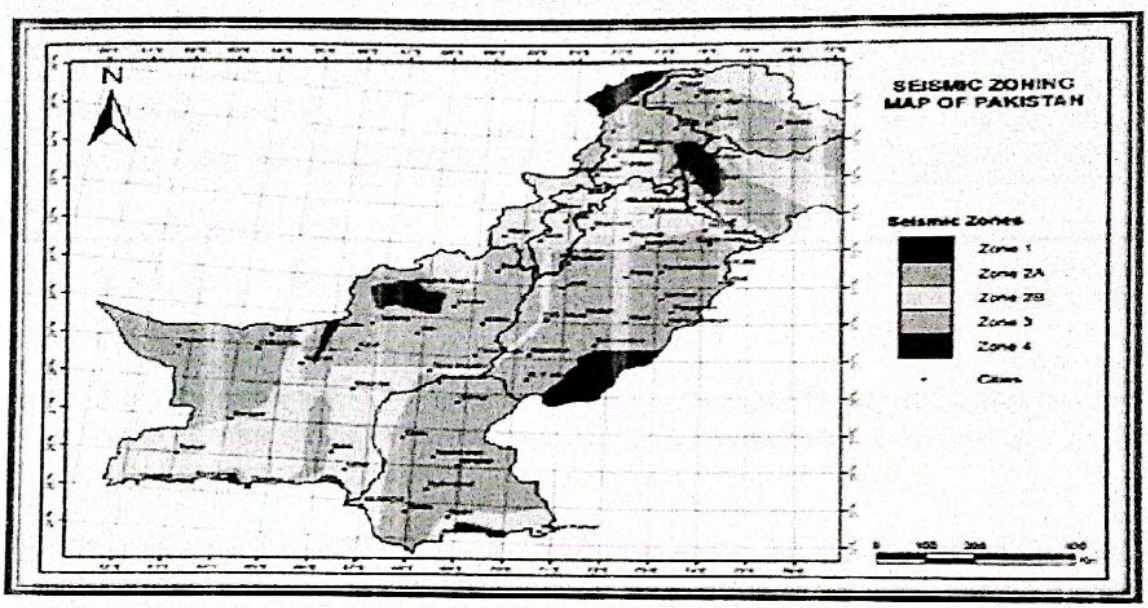


Figure 8: Seismic Zoning of the Area

6.2.4 Meteorology

The climate of the District is hot and dry. Khanewal has a subtropical desert climate. The district's yearly temperature is 31.79°C (89.22°F) and it is 10.9% higher than Pakistan's averages. Khanewal typically receives about *22.74 millimeters (0.9 inches)* of precipitation and has 48.64 rainy days (13.33% of the time) annually. The summer season starts in April and continues till October. May, June and July are the hottest months. The average annual highest temperature in Khanewal is 42.1°C (107.8°F), and the June 26th is the hottest day on average. The average annual lowest temperature in Khanewal is 5.6°C (42.1°F), and the January 10th is the coldest day on average. The wettest months in Khanewal are August and July.

[2] https://en.wikipedia.org/wiki/Khanewal_District#Demographics

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Climate data for Khanewal District[6] [hide]

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Record high °C (°F)			39.0 (102.2)	45.0 (113.0)	46.9 (116.4)	48.0 (118.4)	48.2 (118.8)	45.0 (113.0)	42.5 (108.5)	40.6 (105.1)			48.2 (118.8)
Average high °C (°F)	21.0 (69.8)	23.2 (73.8)	28.5 (83.3)		40.4 (104.7)	42.3 (108.1)	39.2 (102.6)	38.0 (100.4)				22.7 (72.9)	
Daily mean °C (°F)	12.7 (54.9)	15.4 (59.7)	21.0 (69.8)	27.5 (81.5)						25.4 (77.7)	19.7 (67.5)	14.1 (57.4)	25.2 (77.4)
Average low °C (°F)	4.5 (40.1)	7.6 (45.7)	13.5 (56.3)	19.5 (67.1)	24.4 (75.9)	28.6 (83.5)	28.7 (83.7)	28.0 (82.4)	24.9 (76.8)	18.2 (64.8)	10.9 (51.6)	5.5 (41.9)	17.9 (64.1)
Record low °C (°F)	−2.2 (28.0)	−1 (30)	3.3 (37.9)	9.4 (48.9)	13.5 (56.3)	20.0 (68.0)	21.1 (70.0)	21.1 (70.0)	16.7 (62.1)	8.9 (48.0)	0.6 (33.1)	−1.1 (30.0)	−2.2 (28.0)
Average precipitation mm (inches)	7.2 (0.28)	9.5 (0.37)	19.5 (0.77)	12.9 (0.51)	9.8 (0.39)	12.3 (0.48)	61.3 (2.41)	32.6 (1.28)	10.8 (0.43)	1.7 (0.07)	2.3 (0.09)	6.9 (0.27)	185.8 (7.35)
Mean monthly sunshine hours	222.3	211.6	250.8	273.3	293.5	266.8	265.0	277.6	277.5	274.9	255.0	229.2	3,097.6

Source: NOAA (1961–1990)[7]

Figure 9: Annual Mean Temperature [3]

6.3 Ecological Resources

District Khanewal is not rich in biological and ecological resources. However, the flora and fauna of the District includes; shrubs, herbs, mammals, birds, reptiles, amphibians and insects.

6.3.1 Flora and Fauna

The principal trees of the district are the Jand (Prosopis spicigera), Karril (Capparis aphylla), Farash (Tamarix articulata), Kikar (Acacia arbica), Shisham (Dalbergia sissoo), Beri (Zizyphus jujaba), Malberry or Toot (Morus maraceae), Bohar (Fucus indica), Sirin (Albizzia lebbek), Amb (Mangifera indica) and Nim (Melia indica), Piple (Ficus religiosa), Dates or Khajji (Phenix doctylifera) and Bhan (Populus euphratica). Of these, Kikar is the most useful to the agriculturist, as its wood is used for beams for roofs of their houses and carts, water-lifts and ploughs etc. for livelihood.

Wild boar is also found particularly in the riverine areas. Sand grouse visit the district during the winter. Quail, plover, and pigeons are fairly common. Fox, hare and jackal are found everywhere.[4]

6.3.2 Cultivated Crops

The main crops that are being cultivated in the study area include; rice, sugarcane, cotton and wheat. Most of the orchards are of mangoes, oranges & guava.

6.3.3 Livestock

People in the study area have common livestock which include; Cows, Buffalos, Sheep, Goats and Hens.

[3] https://en.wikipedia.org/wiki/Khanewal_District#Climate
[4] https://khanewal.punjab.gov.pk/index.php/floranfauna

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6.3.4 Religious, Archaeological and Historical Sites

There are no officially protected heritage sites or historic, religious or archaeologically important sites located in the project work area that can be affected due to construction activities.

6.4 Socio-Economic Resources

This section provides collective information about the existing socio-economic and environmental condition of the project area within the Area of Influence (AOI). The different types of socio-economic aspects were covered such as demographic profile, occupation, education and health facilities. This data helped in identifying major interventions for the development of Environmental Management Plan (EMP). The study also helped to assess the positive or adverse impacts on local community.

This topic provides an overview of the baseline information relating to the socio-economic environment of the project area and the AOI. The socio-economic study gives information about the demographic profile, occupation, education and health facilities in the project area.

6.4.1 Road Access

Project site is accessible through Khanewal – Vehari road as shown below in figure:

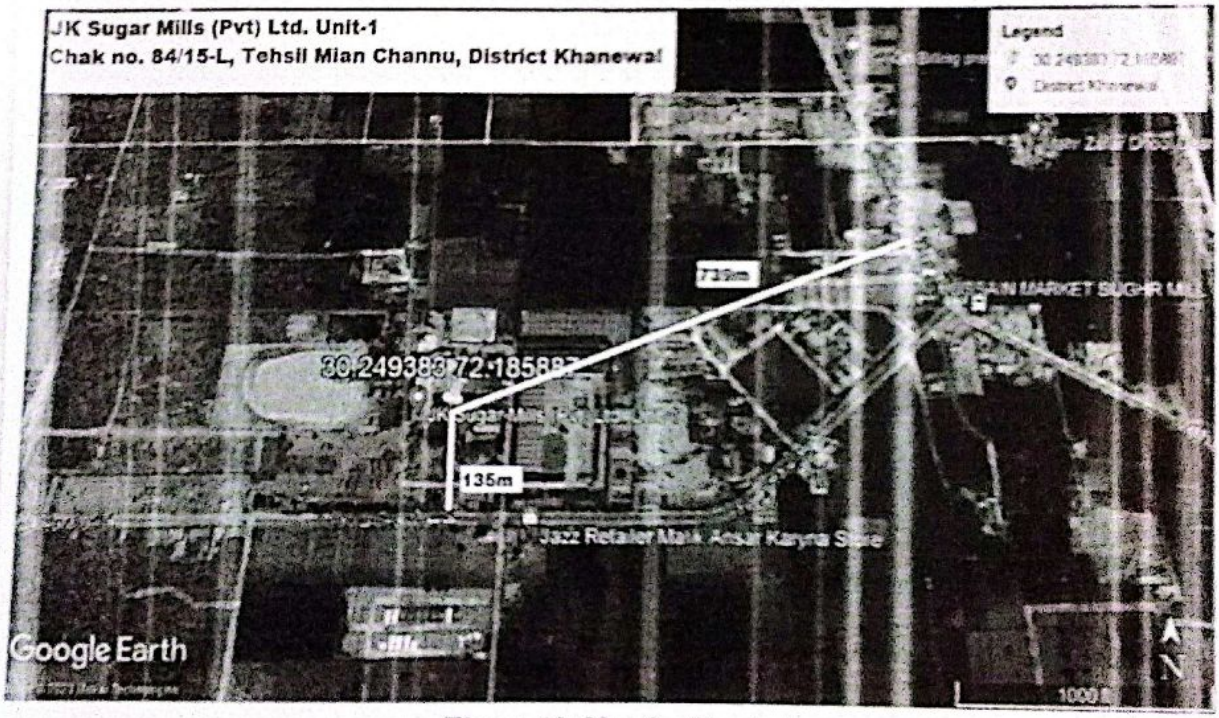


Figure 10: Nearby Road

6.4.2 Residential Areas

Residential areas are located around project site at safe distance as shown in Figure below:

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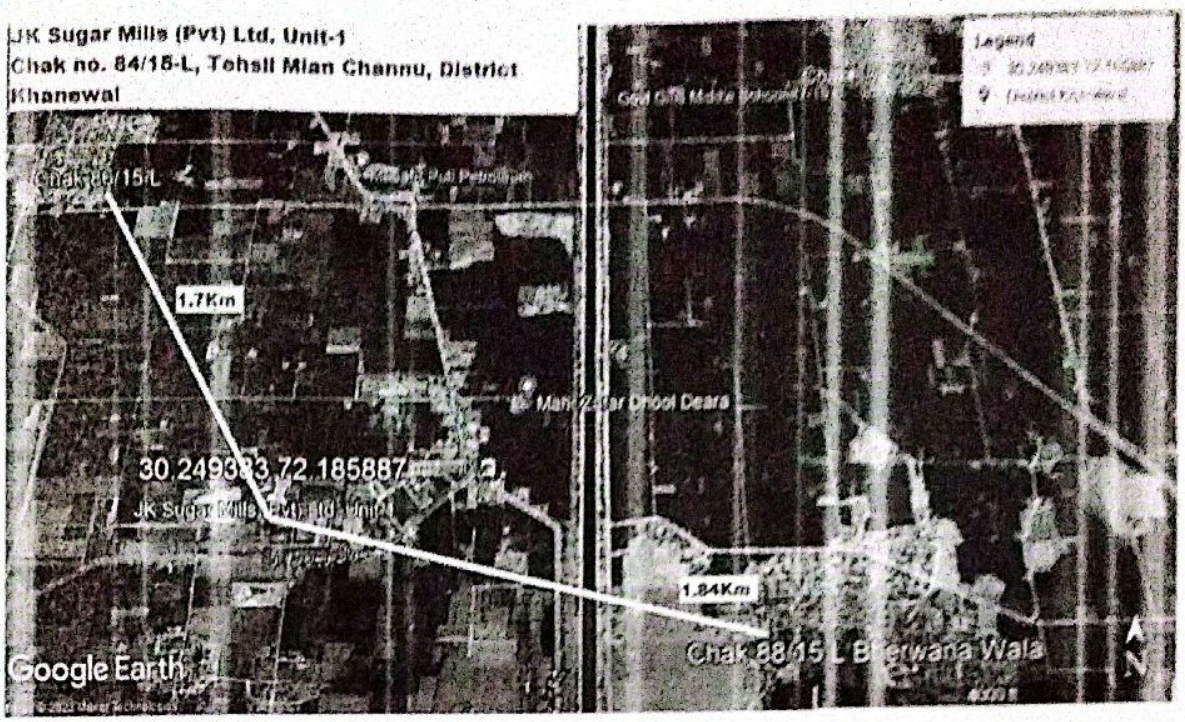


Figure 11: Nearby Residential Areas

6.4.3 Industries

Following industries are present near project site as shown below;

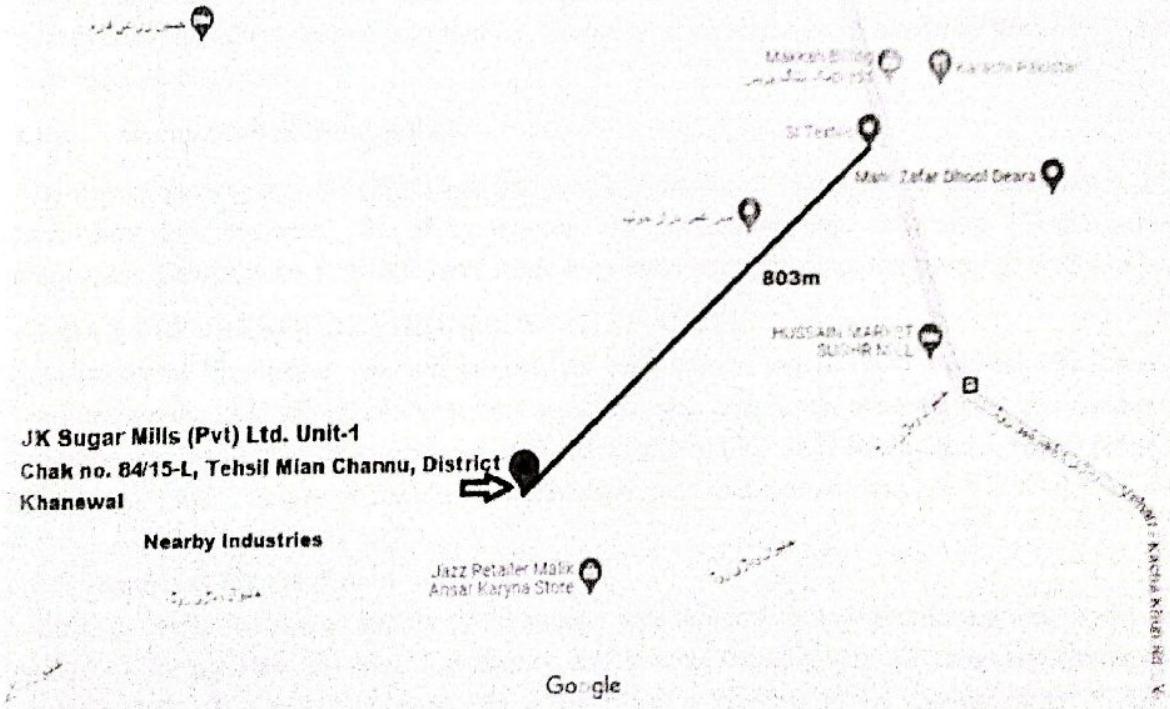


Figure 12: Industries located near Project Site

6.4.4 Educational Institutes

There are many government and private schools and colleges in Khanewal city. Educational institutions nearby project site are shown in figure below;

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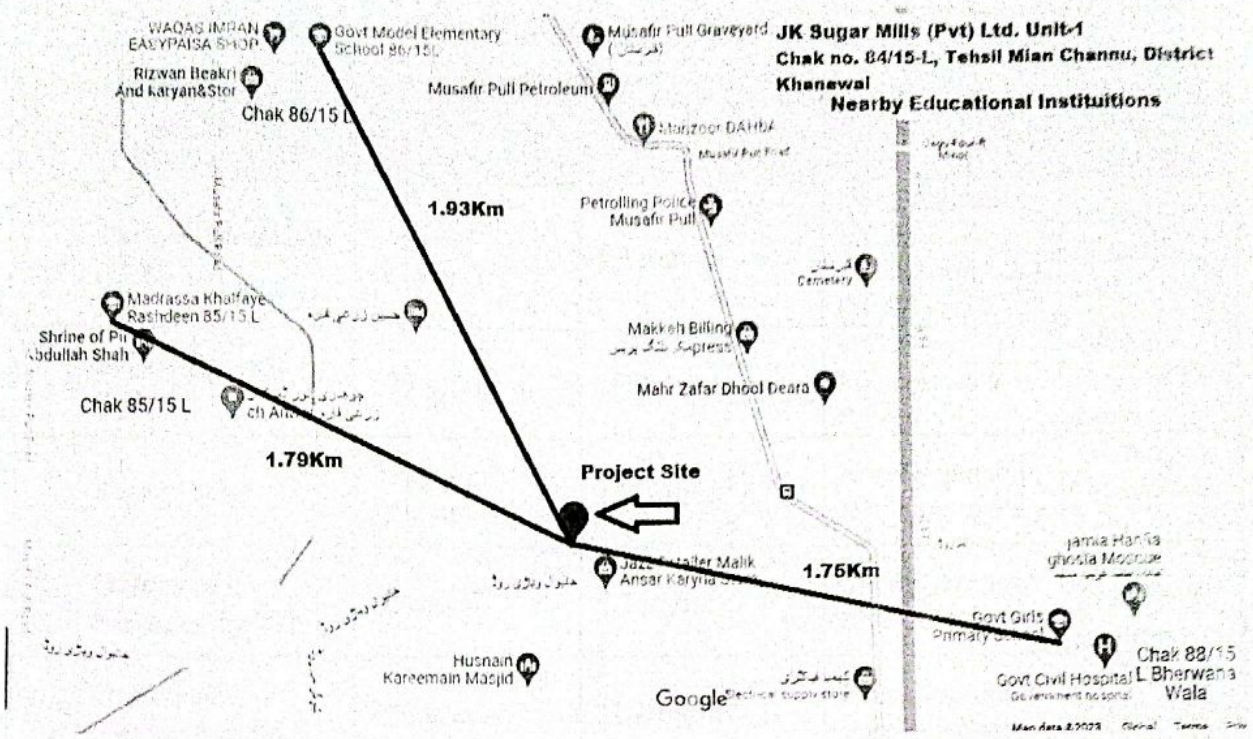


Figure 13: Nearby Educational Institutes

6.4.5 Quality of Life Values

Socio-Economic Questionnaire and Environmental Checklist were used as survey tools by the survey team to collect desired information. Graphical representation of results of Socio-Economic Survey is given below:

6.4.6 Occupation of Respondents

Majority of the respondents (38%) attached with agriculture, 20% belongs to the labor class, 15% have their own business, 13% daily wagers, 7% shopkeepers and remaining 7% are private employees. During survey, efforts were made to interact with people representing all walks of life.

6.5 LAB REPORTS OF ENVIRONMENTAL ANALYSIS

Environmental Monitoring for said project has been carried out in order to check the baseline conditions and pollution load of the project area. This will help in understanding the environmental conditions prior and after construction of the project, so that the mitigation measures can be properly implemented with the help of environmental management and monitoring plan.

6.5.1 Ambient Air Quality

In order to determine the air quality of the project area, environmental monitoring was carried out by ESPAK being EPA certified Laboratory and having the requisite air sampling device and expertise for collection of samples. The primary air pollutants to be monitored are; Carbon Monoxide (CO), Oxides of Nitrogen (NOx), Sulphur Dioxide (SO2), Particulate Matter (PM) and Ozone (O3).

To determine the air quality of the area ambient air monitoring was done on spot (spot sampling) and the results obtained are given below in **Table-6.**

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Table 6: Ambient Air Monitoring

S. No	Parameters	Limit Values (PEQS-24 Hours)	Concentration	Method/ Equipment Used	Remarks
1.	**Carbon Monoxide (CO)**	5 mg/m^3 (8 hours)	1.3 mg/m^3	Non Dispersive Infrared Absorption (NDIR)	Within Prescribed Limits
2.	**Sulfur Dioxide (SO_2)**	120 µg/m^3	18.9 µg/m^3	UV Fluorescence (UVF)	Within Prescribed Limits
3.	**Ozone (O_3)**	130 µg/m^3 (1 hour)	27.2 µg/m^3	Non Dispersive UV Absorption	Within Prescribed Limits
4.	**Oxides of Nitrogen as NO**	40 µg/m^3	8.7 µg/m^3	Chemiluminescence detection	Within Prescribed Limits
5.	**Oxides of Nitrogen as NO_2**	80 µg/m^3	31.2 µg/m^3	Chemiluminescence detection	Within Prescribed Limits
6.	**Particulate Matter $PM_{2.5}$**	35 µg/m^3	31.55 µg/m^3	Particulate Sensor	Within Prescribed Limits
7.	**Particulate Matter PM_{10}**	150 µg/m^3	141 µg/m^3	Particulate Sensor	Within Prescribed Limits
8.	**Suspended Particulate Matter (SPM)**	500 µg/m^3	384 µg/m^3	High Volume Sampler (HVS)	Within Prescribed Limits

6.5.2 Noise

Noise level monitoring or measurement is a process to measure the magnitude of Noise in industries. Prolonged exposure to loud noises (75 dB over eight hours a day for years) can lead to hearing loss. Therefore, noise level should fall under the prescribed Punjab Environmental Quality Standards (PEQS). Noise level measurements had been carried out within the selected site. This analysis showed that values are much below the limit prescribed under the Punjab Environmental Quality Standards (PEQS).

Table 7: Noise Monitoring Results

Measurement Point	Limit values (PEQS)	Noise level in dB(A) Leq	Remarks
Mid-point of Site – Day Time	75 dB(A)	73 dB(A)	Within Prescribed Limits

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Mid-point of Site – Night Time	65 dB(A)	62 dB(A)	Within Prescribed Limits

6.5.3 Groundwater

For instant project Source of water is ground water. Ground water samples were collected from project site. Water samples were tested for physio-chemical parameters (Temperature, pH, TDS, EC, Color, Odour and Taste). The ground water was being used in the study area for domestic purposes. To check the quality of the water in the area ground water was collected and analyzed by EPA certified Lab (ESPAK). Water quality monitoring results of project area are given below in **Table-8**

Table 8: Groundwater Monitoring Results

S.No.	Parameters	Limit Values (EOS)	Concentration	Method Used	Remarks
1.	Total Coliform	---	ND	SMWW 9221 B	---
2.	E.Coli	Must not be detectable in any 100mL sample	ND	SMWW 9221 F	Within Limits
3.	Color	≤15 TCU	Nil	SMWW 2120 C	Within Limits
4.	Taste	Non Objectionable	Acceptable	Organoleptic	Within Limits
5.	Odor	Non Objectionable	Acceptable	Organoleptic	Within Limits
6.	Turbidity	<5 NTU	ND	SMWW 2130 B	Within Limits
7.	Total Hardness as $CaCO_3$	<500 mg/L	148 mg/L	SMWW 2340 C	Within Limits
8.	Total Dissolved Solids (TDS)	<1000 mg/L	256 mg/L	SMWW 2540C	Within Limits
9.	pH	6.5-8.5	7.7	SMWW 4500H+B	Within Limits
10.	Nitrate (NO_3^-)	50mg/L	3.8 mg/L	SMWW 4500NO_3^- B	Within Limits
11.	Nitrite (NO_2^-)	≤3mg/l	ND	SMWW 4500NO_2^- B	Within Limits
12.	Residual Chlorine	0.2-0.5 mg/L	ND	SMWW 4500Cl^- B	----
13.	Chloride (as Cl-)	250 mg/L	17 mg/L	SMWW 4500 Cl^- B	Within Limits

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14.	Fluoride (F-)	≤1.5 mg/L	0.1 mg/L	U.S. EPA 9214	Within Limits
15.	Phenolic Compounds (As Phenols)	NGVVS	ND	SMWW 5530 C	----
16.	Cyanide (CN^-)	0.05 mg/L	ND	SMWW 4500 CN^- F	Within Limits
17.	Cadmium(Cd)	0.01 mg/L	ND	U.S. EPA-200.7	Within Limits
18.	Chromium(Cr)	≤0.050 mg/L	ND	U.S. EPA-200.7	Within Limits
19.	Copper (Cu)	2mg/L	ND	U.S. EPA-200.7	Within Limits
20.	Lead(Pb)	≤0.05 mg/L	ND	U.S. EPA-200.7	Within Limits
21.	Mercury(Hg)	≤0.001 mg/L	ND	U.S. EPA-200.7	Within Limits
22.	Nickel(Ni)	≤0.020 mg/L	ND	U.S. EPA-200.7	Within Limits
23.	Zinc (Zn)	5mg/L	0.02 mg/L	U.S. EPA-200.7	Within Limits
24.	Arsenic (As)	≤0.050 mg/L	ND	U.S. EPA-200.7	Within Limits
25.	Barium (Ba)	0.7 mg/L	0.03 mg/L	U.S. EPA-200.7	Within Limits
26.	Aluminum(Al)	≤0.2 mg/L	ND	U.S. EPA-200.7	Within Limits
27.	Manganese (Mn)	≤0.5 mg/L	0.01 mg/L	U.S. EPA-200.7	Within Limits
28.	Boron (B)	0.3 mg/L	0.02 mg/L	U.S. EPA-200.7	Within Limits
29.	Fecal Coliform Bacteria	Must not be detectable in any 100mL sample	ND	SMWW 9221 F	Within Limits
30.	Antimony (Sb)	≤0.005 mg/L	ND	U.S. EPA-200.7	Within Limits
31.	Selenium (Se)	0.01mg/L	ND	U.S. EPA-200.7	Within Limits

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6.5 SUITABILITY OF THE SITE

As the said project is owned by proponent. Hence, no relocation is required for establishment of current project. The site does not fall in environmental sensitive area and all commodities are at a suitable distance from project site as they will not be impacted by the construction activities even locals will get more benefits and job opportunities. No replacement, relocation and rehabilitation are required for the development of above-said project.

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Chapter 7

Impact Assessment

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7 IMPACT ASSESSMENT

This section discusses the potential environmental impact due to Construction of Sugar processing Mill of JK Sugar Mills (Pvt) Limited Unit-I. The impacts may include; soil contamination, water resources depletion, biological resources disturbance and socio-economic impacts and, where applicable, identifies mitigation measures that will reduce significantly, if not eliminate, its adverse impact. The assessment carried out in this Section is based on potential impacts on overall environmental receptors within the project area.

7.1 Methodologies for Impact Identification

This section discusses the project's potential environmental impact of above-mentioned unit. The adverse impact may occur on; the area's geomorphology, soil, water resources, air resource, biological resources and socio-economic condition and where applicable, identifies mitigation measures that will reduce significantly, if not eliminate, its adverse impact. The assessment carried out in the sub-sections below is based on potential impacts on overall environmental receptors within the project area. Impacts are evaluated on the basis of magnitude, immediacy and sustainability.

The said project will not pose any adverse impact or threat on any component of the environment. The impact assessment criteria are given below along with their impacts:

Table 9: Impact Significance Criteria

Impact	Criteria
No Impact	When the proposed activity will have no impact
[redacted]	When the impact is of high intensity with high spread and high duration or of high intensity with medium spread and medium duration
Moderate Term	When the impact is of moderate intensity with high spread and high duration or of high intensity with low/ moderate spread and low duration
Short Term	When the impact is of low intensity but with moderate spread and moderate duration or of moderate intensity
Insignificant	When the impact is of low intensity, low spread and low duration
Adverse	When the impact is of large intensity, spread easily and long-term
[redacted]	When the impacts are positive and improve the environmental conditions

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Table 10: Impact Matrix Checklist for Designing Phase

Environmental Sensitivities	Intensity of Impact						Impact Nature		Impact Significance				
	Low Intensity	Moderate Intensity	High Intensity	Local	National	Regional	Beneficial	Adverse	Insignificant	No Impact	Short Term	Moderate	
Physical Parameters													
Topography													
Land Acquisitions													
Seismicity													
Biological Parameters													
Land Environment													
Flora													
Fauna													
Social Parameters													
Local Economy													
Social Impacts													

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Table 11: Impact Matrix Checklist for Demolition Phase

Environmental Sensitivities	Intensity of Impact						Impact Nature		Impact Significance				
	Low Intensity	Moderate Intensity	High Intensity	Local	Moderate	Regional	Beneficial	Adverse	Insignificant	No Impact	Short Term	Moderate	
Physical Parameters													
Air Quality			✓										
Noise		✓											
Water Quality		✓											
Biological Parameters													
Land Environment		✓											
Flora	✓												
Fauna	✓												
Physical Parameters													
Local Economy			✓										
Social Impacts			✓										
Health & Safety			✓										

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Table 12: Impact Matrix Checklist for Construction Phase

Environmental Sensitivities	Intensity of Impact						Impact Nature		Impact Significance				
	Low Intensity	Moderate Intensity	High Intensity	Local	Moderate	Regional	Beneficial	Adverse	Insignificant	No Impact	Short Term	Moderate	
Physical Parameters													
Air Quality	✓												
Noise		✓											
Water Quality		✓											
Biological Parameters													
Land Environment													
Flora	✓												
Fauna	✓												
Physical Parameters													
Local Economy													
Social Impacts													
Health & Safety	✓												

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Table 13: Impact Matrix Checklist for Operational Phase

Environmental Sensitivities	Intensity of Impact						Impact Nature		Impact Significance				
	Low Intensity	Moderate Intensity	High Intensity	Local	Moderate	Regional		Adverse	Insignificant	No Impact	Short Term	Moderate	
Physical Parameters													
Noise	✓												
Water Quality	✓												
Biological Parameters													
Land Environment	✓												
Flora	✓												
Fauna	✓												
Physical Parameters													
Local Economy			✓										
Social Impacts			✓										
Health & Safety	✓												

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7.2 Identification of Monitoring Requirements

The last step in the assessment process is the identification of minimum monitoring requirements. The scope and frequency of monitoring depends on the residual impacts. The purpose of monitoring is to confirm that the impact is within the prescribed limits and to provide timely information if acceptable limits are being breached.

7.3 Methodology for Impact Evaluation

These tools have been used to identify the significance and magnitude of the impact as well as the nature, reversibility and extent:

- An Impact Screening Checklist
- Project Impact Evaluation Matrix

Following is given a brief description of assessment tools:

a. Impact Screening Checklist

The impact screening checklist is developed to screen out potentially insignificant environmental and social impacts from potentially significant adverse environmental and social impacts during planning & designing, demolition, construction and operational phases of the project. The objective of impact screening process is to assess the significance of issues related to the air, water, noise, soil, transportation, civil work, communication, the hazards and external constraints. The beneficial and adverse impacts of project during planning & designing, construction and operational phases are identified based on their duration, location, frequency, extent, significance and reversibility. The impact of each activity on various environmental parameters is given below:

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Table 14: Characteristics of Impacts

Sr#	Environmental Component	Impact Characteristics												
		Duration		Location		Frequency		Extent		Significance			Reversibility	
		Long	Short	Direct	Indirect	Cont.	Intermittent	Wide	Local	Large	Moderate	Minor	Rev.	Irrev.
Beneficial Impacts														
1	Employment Opportunity	◙		◙		◙			◙		◙		◙	
2	Export of finished goods	◙		◙		◙			◙		◙		◙	
3	Appreciation in Land Value	◙			◙	◙			◙			◙		◙
4	Tree Plantation	◙		◙		◙			◙		◙		◙	
Adverse Impacts														
1	Air Pollution		●	●			●		●			●	●	
2	Wastewater		●	●		●			●			●		●
3	Solid Waste and By-Products	●		●		●			●		●			●
4	Health and Safety		●		●		●		●			●		●
5	Chemical Hazards		●		●	●			●		●			●
6	Physical Hazards		●	●			●		●			●		●
7	Security Risks		●		●		●		●		●		●	

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b. Project Impact Evaluation Matrix

The Project Impact Evaluation Matrix was developed by placing different environmental parameters that are likely to be affected by the proposed project actions, grouped into categories i.e., physical, ecological, socio-economic environment and hazards. For assessment of associated impact risk assessment methodology was used. Moreover, the risk assessment was done on the basis of project phases (planning & designing, construction and operation). A Project Impact Evaluation Matrix is attached as **Table 15**below:

Table 15: Impact Evaluation Matrix

Environmental Parameters	Impact Assessment during Different Phases	
	Construction	Operational
Planning and Designing		
i. Location	+2p	+2p
ii. Design	+1p	+1p
A: Physical		
1. Land Resources		
i. Soil Erosion and Contamination	-2t	-2t
ii. Transportation	-1t	-1t
iii. Solid Waste and By-Products	-2t	-1p
2. Air Resources		
i. Noise Pollution	-1t	-1t
ii. Air Pollution	-1t	-1t
iii. Dust Emissions	-1t	-1t
3. Water Resources		
i. Ground Water	-1p	-1p
ii. Wastewater	-1p	-1p
B : Ecological		
Flora		
i. Tree Cutting	-1t	+1p
Fauna		
ii. Terrestrial Fauna	NA	NA
C: Socio-Economic		
i. Employment Opportunities	+1t	+3p
ii. Land Value Appreciation	+1t	+2t
iii. Economic Uplift of Study Area	+1p	+3p
D: Hazards		
i. Physical Hazards	-1t	-1p
iii. Health and Safety	-1t	-1p
Legends: 1= Low; 2= Medium; 3= High; 4= Extremely High; NA= Not Applicable; t= Temporary; p= Permanent; app= Applicable; 0= Negligible		

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Chapter 8

Screening of Potenital Environmental Impact and Mitigation Measure

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8 SCREENING OF POTENTIAL ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES

8.1 General

This Chapter identifies the potential impacts (positive and adverse) on the physical, biological and socio-economic environment of project area due to the construction of Sugar Processing Mill of JK Sugar Mills (Pvt) Limited Unit-I. It also identifies measures that will help to mitigate the adverse environmental and social impacts as well as it will enhance positive impacts of aforesaid project. Impacts are assessed by analyzing their magnitude and sensitivity, which is a legal requirement as discussed in **Chapter 07**

8.2 Impact and Mitigation Management

Purpose of mitigation is to evade, reduce or balance the expected antagonistic effects in suitable way and to integrate these for devising environmental management strategy or plan. At every stage of project, mitigation plan for all the adverse impacts should be predicted to find out the best alternative. The objectives of mitigation are to:

- Invent of best substitution, better alternatives and ways to reduce the adverse environmental and social impacts in immediate surroundings.
- To improve the environmental and societal payback of project.
- To prevaricate, remedy/reduce and pro-vocative impacts.
- To certify that remaining negative influences are kept within permissible limits.

In this part of the EIA Report, a number of complications including; cleanliness, environmental health and safety, societal and environmental managing and inspection, industrial vulnerability, tools and apparatuses and during operational activities, influx of workers and procurement of land have been deeply elaborated.

8.3 Approaches for Mitigation Measures

Following approaches may be used to mitigate the impacts of the project:

Table 16: Approaches for Mitigation Measures

Avoid: Change of route or site details, to avoid damage important ecological or archaeological features.
Replace: Regenerate similar habitat of equivalent ecological value in different location.
Reduce: Filters, cyclones, noise barriers, dust, enclosures, visual screening, wildlife corridors and changed time of activities to reduce the impact.
Restore: Site restoration at the end of the operational activities.
Compensate: Relocation of displaced communities, facilities for the affected communities, financial compensation for the affected individuals, etc.

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8.4 Expected Positive Impacts

Following is the expected outcome for construction of above stated project:

a) Increase in Employment Opportunities

Due to construction of aforesaid project, the employment opportunity will be slightly enhanced. During construction phase, 80 workers will be hired from local community include; skilled and un-skilled workers. During operational phase, approximately 200 persons will be required. It will include hiring of technical and non-technical staff. Locals will also have the opportunity to diversify their income by being employed. Hence, there will be an increased employment opportunity for the local people which will have a positive impact on the socio-economic status of the area.

b) Tree Plantation

At the end of said project, trees will be planted in the designated green areas to enhance the aesthetic beauty of the area.

c) Adverse Impacts and Mitigation Measures

This section identifies the potentially significant and in-significant adverse environmental and social impacts anticipated during the operation phase of said unit. Appropriate mitigation and management measures, where applicable, have also been suggested to reduce the severity of anticipated impact up to the extent possible.

8.5 Impacts and Mitigations due to Project Location

During planning and designing phase most of the associated impacts will be associated with the selection of appropriate location and design that would have minimal impact on the environment and society. It will include:

i. Impacts of Location

The nearest residential community Chak 8/15L Bherwana Wala, and Chak No. 86/15L are located at the distance of **1.84km and 1.7km** aerial distance, respectively. There is no human settlement, heritage building, social structure, grassland or preserved area in the project vicinity that could be damaged, dislocated or dismantled due to the project activity in proposed area. Project site is located within designated and approved Industrial Estate. Hence, the impact of location is considered to be in-significant as the project site is away from the surface water body, residential area and no protected area (is reported in 5.0 km vicinity of the project area).

Nature of Impact

The nature of proposed impact will be direct, low, short-term and hence in-significant.

Mitigation Measures

Following mitigation measures has been adopted to reduce the impact of said project location on sensitive receptors:

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- The selected site located at adequate distance from the various sensitive receptors.
- The selected site is located in industrial estate and due to establishment of aforesaid project no change in the land use of area is being envisaged.
- The site is owned by the proponent and no dispute is associated.
- The wastewater will be treated prior to its disposal.
- The generated solid waste will be collected by Contractor and it will be disposed off through the standard practices of area.

It is envisaged that no mitigation measures will required as the said project had been constructed in industrial area and no adverse impacts on its surroundings due to significant distances from all sensitive receptors.

8.6 Impacts and Mitigations due to Design

The design phase of aforesaid project optimized the use of best available technology in order to prevent or minimize potentially significant environmental impacts associated with the project as well as to ensure high level business and environmental performances. In pre-construction/design phase, a management system was provided at design level for the reduction of impacts. Design of said project will adhere to all standards, technical and legal requirements in order to avoid adverse impacts on the socio-environment and human health. Efficient infrastructure will be developed. Procurement of construction materials from approved dealers will be ensured. The technology adopted for the Sugar processing Mill is state of the art technology. The process will be fully closed. This technology is adopted because of the following reasons:

- The process will take place in a fully closed system which will ensure zero emissions from the proposed plant.
- The proposed emergency system will be semi-automatic and it will control through computerized systems which will be connected with smoke alarms.
- Through the selected system high quality of product will be produced.
- The generated wastewater will be treated before final disposal through Wastewater Treatment and it can be reused in nearby agricultural lands.

The Proponent intends to reduce the environmental and social issues up to practically possible safe limit. The Client had adopted SOPs for Emergency Reponses Plan and Fire Fighting Plan which are explained in sub-sections below.

Nature of Impact

The nature of the proposed impact will be direct, low, short-term and hence in-significant.

Mitigation

No additional mitigation measure will be required as state of art technology is being adopted for sugar processing Mill. For the treatment of the generated wastewater, Wastewater Treatment Plant will be installed. This generated wastewater will be treated and dispose off.

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8.4 Impacts and Mitigation during Operational Phase

The site will be prepared by making temporary fencing and site analysis will be carried out to minimize the impact. Removal of interior and exterior material will be done for re-use or disposal. Best technique will be adopted for the cutting of the structure to protect environment to the extent possible with better waste management practices. All the extension work will be done under the Supervision of expert and Safety of the workers will be ensured by adopting SOPs for all jobs, training the workers to follow SOPs, discouraging any careless attitude of workers and providing the workers with and encouraging them to use PPEs.

Nature of Impact

The nature of the proposed impact will be direct, moderate, short-term and hence in-significant.

Mitigation

No additional mitigation measure will be required as the activity will be carried out under expert supervision catering all the aspects of this phase through best management practices.

8.6 Impacts and Mitigation during Construction Phase

Project construction phase will be 01 year whose activities will effect land environment, water, air, noise level, soil quality, socio-economic trend of area, etc. These impacts had been controlled effectively by adopting best management practices.

By the implementation of said project, a positive impact on the socio-economic culture for the people has been observed. The chance for local employment, fabrication, brick masonry, painting and machinery erection works had been increased.

The construction phase of aforesaid project will include activities associated with the site leveling, construction of civil structures, architectural works and building services. The construction phase would bring in immediate but short term changes on various components of environment near the project site. This section explains how aforesaid project will affect different environmental aspects and its mitigation measures to manage the impact. The impacts during construction phase will be temporary and localized. Even though, the measures proposed to minimize such impacts.

i. Impacts of Dust and Exhaust Emissions

Air quality is expected to deteriorate locally mainly due to fugitive dust emission and exhaust gaseous emission from vehicular movement. This will cause short-term but moderate impacts on local environment. Soil erosion may occur in small area and they will be prone to wind erosion. Air pollutants such as; NOx, SOx and CO emissions may be generated from the working of construction machinery on-site which includes; hauling vehicles, loaders, trucks, mixers, etc. This machinery will generate smoke and other potential pollutants in air. This impact is considered to

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be negative of minor magnitude. The effect due to construction is however, of temporary nature and will have no permanent impact on environment.

Nature of Impact

The nature of proposed impact will be direct, medium, short-term and hence significant.

Mitigation

- Dust control measures are need to be taken to control the same; as the area is located in semi-arid zone having dry soil conditions and it is vulnerable to spread during high winds. Following mitigation measures will be adopted to mitigate the anticipated impact:
- Ensure that trucks carrying the raw-material should be covered by tarpaulin to reduce fugitive dust emissions.
- Water spraying/sprinkling should be done on regular basis.
- Ensure that all equipment and vehicles, used during the construction phase, are properly tuned and maintained in good working condition, in order to minimize the exhaust emissions and it will be regulated by concerned authority.
- Ensure that high quality fuel having low sulfur contents will be used in the vehicles engaged in the construction activity.
- Ensure that dust emission generated due to vehicular movement is minimized by restricted speed limit and vehicular movement impacts which will be minimized through good traffic management at site.
- Ensure that dust emission during the construction phase will be minimized by implementing best management practices.

ii. Soil Erosion and Contamination

During constructional activities the chances of soil erosion and contamination may be increased. Soil erosion from construction activities will deteriorate the soil quality. There are low chances of land contamination due to release/spill of lubricants, oil and other materials during the construction period. Erosion may also result from movement of heavy vehicle such as; bulldozers, excavators, trucks and pick-ups. The impact will be short term, localized and can be controlled through immediate appropriate management and mitigation measures. This impact is considered negative of minor magnitude. Hence, the impact is in-significant.

Nature of Impact

The nature of proposed impact will be direct, medium, short-term and hence significant.

Mitigations

Following mitigation measures will be adopted to protect the soil from erosion and contamination:

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- During construction phase no tree removal is involved however, tree plantation will be done after completion of construction at designated green areas.
- Native and fast growing trees will be planted in the designated green areas.
- Spill prevention and response plan for storage, usage and transfer of fuel should be prepared (if used on site) and implemented.
- Workers should be trained on spill prevention and response plan.
- Maintenance and washing of vehicles as well as equipment will be carried out at designated areas within the facility.
- Any hard surface or tarpaulin should be spread on area to prevent soil contamination.
- Regular inspections should be carried out to detect leakages in construction vehicles and equipment.
- Machinery involved should be maintained properly to avoid leakages.

iii. Socioeconomic Impacts

In project area, no significant changes are envisaged in traditional life style and occupation of local people residing in the nearby communities. The local people are rather benefited due to the provision of job opportunities. No impact is envisaged due to influx of workers as local will be preferred and hired for working. Moreover, health and safety related issues may arise during the construction activities. These impacts are in-significant can be further reduced significantly by adopting best management practices.

Nature of Impact

The nature of proposed impact will be direct, low, short-term and hence in-significant.

Mitigation Measures

Following mitigation measures will be adopted to reduce the socio-economic impact on the community:

- Good relations with local communities will be promoted by encouraging Contractor to provide opportunities for skilled and un-skilled employment to the locals as well as on-job training.
- The contractor should prefer hiring local labor from adjacent community
- The contractor will keep the copy of National Identity Card (CNIC) of his employees and will warn the workers not to involve in any anti-social activities
- At the time of hiring the Contractor has to ensure that workers should be of good repute.
- First aid kits will be available at site.
- Training of workers should be carried out for operating various constructional machinery, safety procedures should be adopted, environmental awareness should be carried out, equip all workers with safety boots, helmets, gloves, protective masks and monitoring of their

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proper and sustained usage will be carried out. In case of accidents, contractor will provide free medical treatment to the community.

- The Contractor will be responsible for sensitivity towards the local customs and traditions.

8.7 Impacts & Mitigation during Operational Phase

This section delineates the potential impacts during operation phase of the project and the mitigation measures to counteract these impacts. The summary of the impacts and possible mitigation measures are as follows:

i. Impact on Ecology

Currently, the site is being use for industrial activities. After the completion of said project different native and ornamental plants species will be planted at designated green spaces and along boundary of project site. The overall aesthetic beauty of the area has been enhanced and it will have a significant impact on the overall ecology, aesthetic and landscape of the area.

Nature of Impact

The nature of proposed impact will be direct, low, short-term and hence in-significant.

Mitigation Measures

This impact is considered to be positive, long-term and significant. Hence, it doesn't require any mitigation measure.

ii. Impact on Air Environment

During operational phase, sources of air emissions are crushing unit, boilers and steam generators. The particulates matter are produced from the crushing unit.

Nature of Impact

The nature of proposed impact will be direct, low, short-term and hence in-significant.

Mitigation Measures

Following mitigation measures will be adopted:

- For dust suppression regular sprinkling of water will be carried out.
- Vehicles used for transportation of raw material as well as finished product and the utility vehicles will be regularly serviced and maintained in order to keep the environmental impact on account of their exhaust emissions to its minimum level.
- Cyclones are installed to control emissions from the boilers for steam generation.
- Cane crushing is done in closed space to reduce spread of particulate matter.
- Mixing of collected ash with press mud to sell to farmers/brick producers (located near site) is another suggested mitigation measure to minimize the probable impacts of fuel handling & safe ash disposal. Ash will be generated at less than 1% of baggase used as fuel in boiler.

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- Native tree would be planted along the boundary of project area to keep environment healthy. For removal one tree, 3-5 trees will be planted.

iii. Noise Environment

Noise, an unwanted sound, affects human being. Excessive exposure to noise produces varying degree of damage to hearing system. It leads to headache, fatigue, etc. Continuous exposure of increased level of noise will have an adverse impact on the health of workers as well as the people residing in surrounding area.

Nature of Impact

The nature of proposed impact will be direct, low, short-term and hence in-significant.

Mitigation Measures

In general the following methods will be adopted to control the noise pollution from the above-said unit;

- Residential area is located at safe distance from project site.
- Proper encasement of noise generating sources will be done to control the noise levels within prescribe PEQS limits.
- Greenbelt will be developed all around the plant which will be acting as noise barrier.
- The use of concrete and masonry walls & barriers keeping in view the benefits of stiffness weight & cavity construction & the need to provide well sealed sound attenuating doors & windows.
- The use of complete or partial enclosures, as and if required.
- Attenuation by use of sound absorbents on walls and fixed or suspended ceilings.
- The use of mufflers, sound attenuation and acoustic louvers in air flow paths, taking particular care to direct inlet and discharge an opening away from critical areas wherever possible, so as to take advantage of direct effects.
- All the workers will be provided with ear plugs/ear muffs, masks, gloves and safety shoes as per job requirement.
- All the transporters will be advised to carry out regular maintenance of their vehicles

iv. Solid Waste Management

The solid waste generated from the sugar unit is mainly ash, press mud and Bagasse. The ash will be generated from boiler. While recyclable waste sold out to contractor and domestic waste will be handles as per area practices.

Nature of Impact

The nature of impact will be direct, low, long-term and significant.

Mitigation

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Following mitigations should be adopted to manage generated solid waste:

- Press mud will be sold to contractor to use as fertilizer..
- Bagasse is used as raw material in boilers.
- Ash generated during combustion in boiler will be sold to brick manufacturers or will be mixed with mud cakes and used in fields.
- The recyclable waste including PET bottles, papers, card board old out to contractor.
- Waste bins will be placed in the facility at the strategic position for the collection of solid waste.
- The installed bins will be covered in order to reduce the chances of the disease vector production.
- Regular training will be given to the workers dealing with the waste management it will include; identification, segregation and management of waste.

v. Water consumption and wastewater production

Water requirement will be fulfilled by extracting ground water. Domestic and process wastewater will be treated through Wastewater Treatment Plant before disposal.

Nature of Impact

The nature of impact will be direct, low, long-term and significant.

Mitigation

Following mitigations should be adopted to manage generated wastewater:

- The domestic and process wastewater will be treated through ETP prior to final disposal.
- Water conservation activities will be adopted for the preservation of water.
- Water conserving methods will be applied by placing taps and toilets.
- All faults will be monitored and fixed.
- Freshwater conservation techniques should be adopted to ensure sustainable development
- Monitoring of effluents shall be carried out as per requirement of Self-Monitoring and Reporting Tools (SMART) to ensure compliance with the PEQS.
- It will be ensured that no solid waste will be entered in the wastewater.

vi. Occupational Health and Safety

Following health and safety impacts arise during the operational phase of the above-said project:

- Crushing
- Slips, trips and falls on ground
- Unguarded machinery

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- Hazards associated with the fire and explosion
- Noise and vibration
- Electrical burns and electric shock

Nature of Impact

The nature of proposed impact will be direct, low, long-term and hence significant.

Mitigation

The following mitigation measures are suggested that could be applied to reduce the risk of health and safety:

- Spillage prevention plan should be adopted and it should be implemented effectively.
- Workers are properly trained handling machines and equipments.
- Floor surfaces shall be maintained and cleaned on regular basis.
- Floor should be kept clean and free of oil spills, other slippery fluids or materials and obstructions.
- The effective use of hearing-protection devices shall be ensured.
- Protective measures and emergency rescue procedures should be followed strictly.
- Only authorized persons shall be allowed in the processing and industrial premises.
- Unloading of raw-material and loads of final products should be controlled, supervised, slow and smooth.

vii. Security Risks

A large number of workers will be hired including; Managers, Engineers, skilled and un-skilled laborers. The increase in number of individuals residing in area, may lead to an increase in crime and violence in surrounding areas. The nature of impact is considered to be low as the locals will be preferred for hiring.

Nature of Impact

The nature of proposed impact will be direct, low, long-term and hence significant.

Mitigation Measures

Following mitigation measures will be adopted:

- Proper security will be provided to the workers working in the premises of proposed project.
- CNIC of all the workers will be kept by the proponent.
- Security to the workers at site should be provided.

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viii. Emergency Response

Emergency response preparedness committee will be formulated consisted of heads of all the departments. Emergency Response Leader will be the head of the team assisted by safety team and safety supervisors. Emergency Response Leader along with his team will ensure that in the case of emergency, team is prepared for fire-fighting and the first aid kits will be provided which may include; blankets, hot water bottles, stretchers, benches, sterilized dressing, snake bite kit, cotton and iodine (2% alcohol). Incidents and accidents may take place unexpectedly during project operations no matter how effective, strong and efficient the mitigation measures for all adverse impacts; especially the safety issues may be adopted. These may include; accident and natural disasters.

Nature of Impact

The nature of the proposed impact will be direct, low, long-term and hence significant.

Mitigation

Following mitigation measure will be adopted:

- Site in-charge should be responsible to ensure that fire-fighting plan has been implemented with true spirit.
- Safety team will be responsible to monitor the activities and to act on approved firefighting plan in the case of fire.
- Workers should be given adequate training of handling machinery.
- Emergency call service must be made available.
- The drills to check the response of the workers against any emergency situation will be carried out on the regular basis.
- Safety and hazards signs will be displayed with the facility to avoid any unfortunate incident.
- Only authorized persons will be allowed in factory premises.

ix. Socioeconomic Impact

It is envisaged that adverse impacts associated with the said project includes; local community will be disturbed due to increase in the traffic load (i.e., vehicles carrying raw material and final products), wastewater management, soil pollution, etc. The intensity of impacts occurred due to the establishment of aforesaid project will be quite low. The commencement of aforesaid project will have a beneficial impact on the surrounding community such as; increase in employment opportunity, increase in wages of the local area employees, increase in revenue generation, provision of social welfare funds of employees and appreciation of land value. Moreover, the said project is located within designated and approved Industrial Estate and residential areas are at safe distance from project site.

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Nature of Impact

The above said impact is considered to be positive and will have a direct, medium, long term and significant impact.

Mitigation Measure

No mitigation measures will be required.

Health & Safety of Workers

Improper handling of machinery and unskilled labor may cause various health issues such as; work place incident and physical hazards, etc. To ensure the safety of workers these impacts need to be managed effectively.

Nature of Impact

The nature of impact will be direct, low, long-term and significant.

Mitigation

Following mitigations should be adopted to improve the health and safety:

- Regular inspection and maintenance of the plant will be carried out to eliminate the risk and associated hazards of any unfortunate incident.
- Workers will be trained on the regular basis regarding personal safety, disaster management physical and chemical hazards.
- Operators operating the plant should be fully trained and equipped.
- Training regarding HSE should be given on the regular basis.
- Workers will be given PPEs such as; helmets, mask, ear-plugs/muffs, safety boots, etc.
- It should be strictly enforced to wear PPEs while working.
- Incidents should be reported directly to the concerned authority.
- Floor surfaces shall be maintained and cleaned on regular basis.
- Floor should be kept clean and free of oil spills, other slippery fluids or materials and obstructions.
- The effective use of hearing-protection devices shall be ensured.
- Protective measures and emergency rescue procedures should be followed strictly.
- Only authorized persons shall be allowed in the processing and industrial premises.
- Unloading of the raw-material and loads of the final products should be controlled, supervised, slow and smooth.

XII Potential Environmental Enhancement Measures

The said project will be result in following benefits:

- Direct and indirect employment opportunities,

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- Gains in the local and national economy,
- Industrial development in region
- Tree plantation

Tree plantation along boundary of project will act as environmental enhancement measure. Indigenous and ornamental tree species will be grown on all open spaces and along boundary of project.

The environmental budget allocated for tree plantation, management & disposal of solid waste and wastewater and Environmental monitoring is approximately **PKR 75 Million** approx.

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Chapter 9

Enviornmental Managment and Monitoring Program

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9 ENVIRONMENTAL MANAGEMENT AND MONITORING PROGRAM

9.1 General

This EIA Report provides the Environmental Management and Monitoring Plan (EMMP) for implementation of aforesaid project in order to keep anticipated environmental and social impacts in check by adopting suggested mitigation measures and monitoring of the certain parameters Moreover, to ensure the compliance of EMMP. As per the environmental legislation in Pakistan, the EMMP for the operations phase, along with other documents, is to be submitted in EPA, Punjab to obtain confirmation for compliance and Environmental Approval/NOC for project execution. Even after implementation of the suggested mitigation measures, the impact may remain significant and require regular environmental monitoring. This section also underlines the monitoring framework for operation phase to check compliance of EMMP and to take timely actions for correction in case any negligence & accidence of significant criteria, requirements or goals is found.

9.2 Objectives of Environmental Management Program

The primary objectives of the EMP are to:

- Facilitate the implementation of the mitigation measures identified in this EIA Study.
- Define the responsibilities of the project proponent and contractor and provide a means of effective communication of environmental issues between them.
- Identify monitoring parameters in order to ensure the effectiveness of the mitigation measures.
- Provide a mechanism for taking timely action in the face of unanticipated environmental situations.
- Identify training requirements at various levels.

9.3 Components of EMMP

Components of EMP are as follows

- Management plan
- Monitoring Plan
- Communication and documentation
- Institutional capacity
- Environmental training

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9.4 Proposed Mitigation actions

It lists all the mitigation measures identified in the EIA and the associated environmental or social aspect in line during construction and operational phase with the administrative framework involving all the responsible implementing authorities who are required to take the planned actions/measures and monitor it accordingly. It enhances project benefits by reducing its impacts and making it environment friendly.

Table 17: Environmental Management Plan

Project Activities	Potential Impacts	Mitigation Measure	Means of Monitoring	Frequency of Monitoring	Institutional Responsibility	
					Implementing Body	Supervision
Civil works	Soil Erosion, Emissions, Water Contamination, Noise &Vibration, Wildlife affected, Employment, Health &Safety of Workers	• Record keeping and timely transfer of SW from bins to the disposal site for ultimate management and disposal • Dust emission from soil piles and aggregate storage stockpiles will be reduced by keeping the material moist by sprinkling of water at appropriate frequency • Covering the pile, for example with tarpaulin or thick plastic sheets, to prevent emission.	Observation	Regularly	Contractor	Proponent

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		• Noise control measures will be implemented • Paved roads are already there that will be used for transportation of raw material. • Camping site will be established during construction				
Movement and fueling of vehicles	Soil &Water Contamination due to Fuel Leakages &Spillage, Emissions, Noise &Vibration	• Periodic maintenance and inspection of vehicles will be done • Vehicles with leaks will be operated after maintenance. • Vehicles should not be washed or serviced in the field.	Inspection	Regular	Contractor	Proponent
Transportation of construction material	Dust and Particulate Emissions, Noise Generation, Safety and Health Effects	• Excessive use of horns will be avoided • PPE's will be provided to workers • Covering of trucks carrying transporting material • Night time driving of project vehicles will be limited where possible	Observation Inspection	Regular	Contractor	Proponent

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		• Low speed limit will be maintained on the section of the access road that is adjacent to the community and site. • The fence surrounding the site will be put in on during the construction to prevent access to the construction site				

9.5 Proposed Mitigation measures During Operational Phase

The mitigation measures identified in the EIA and the associated environmental or social aspect during operational phase with the administrative framework involving all the responsible implementing authorities who are required to take the planned actions/measures and monitor it accordingly. It enhances project benefits by reducing its impacts and making it environment friendly.

Table 18: Environmental Management Plan During Operational Phase

Project Activities	Potential Impacts	Mitigation Measure	Means of Monitoring	Frequency of Monitoring	Institutional Responsibility	
					Implementing Body	Supervision
ewater managemen t	Degradation of water quality	• Wastewater generated from process activities will be treated through	• Temp • pH • COD • BOD	Monthly	Environment officer	Proponent

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		WWTP (Layout is attached as Annex-) • Monitoring of treated wastewater carried out • After treatment dispose off in Lamma Disty (copy of bill is attached as Annex-) .	• TSD • TTS • Oil & Grease			
Air quality management	Dust and PM	• Cyclones are installed at boilers to control air emissions • Control measures have taken to control the matriculate matter. • Regular monitoring of ambient air and maintenance of machinery should be done on regular interval.	• SOx • NOx • CO • CO2 • PM • Smoke	Monthly	Environment officer	Proponent
Noise generation	Psychological and hearing problems	▪ There will be ban on the use of horn in the area. ▪ Vehicular movement has been properly planned to avoid noise problems. ▪ Proponent has planned a proper plantation plan which will also act as barrier for noise.	Noise level	Daily	Environment officer	Proponent

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Solid Waste Generation	Soil Contamination, effecting GW Quality, vectors production, odor, Health, Welfare	• Bagasse will be reused as fuel in boilers • Molasses produced will be sold to contractors • The solid waste from the project should not be allowed to pile up. • Solid waste should be disposed off properly as per local practice • Mud will be sold to local vendors • Recyclable waste should be dispose off through certified contractor • Ash produced from boiler will be sold to contractor.	Proper monitoring Of storage area	As per SOPs	Environment officer	Proponent
Health and safety	Injury may happen while handling machines	• Personal Protective equipments (PPE's) i.e. cups, ear muggles, surgical masks, gloves and sanitizers will be provided to the workers • Warning signs will be placed in local language. • Fire drills training has been carried to avoid	• Medical surveillance of workers • Fire drills on regular basis • Good house keeping	As per OSHA standards	HSE Manager	Proponent

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		hazards • First aid kits and other necessary equipment will be kept available at site. • Dange larve eradication has been done • COVID-19 SOP's must be implemented				

9.6 Schedule for Implementation of Environmental Budget

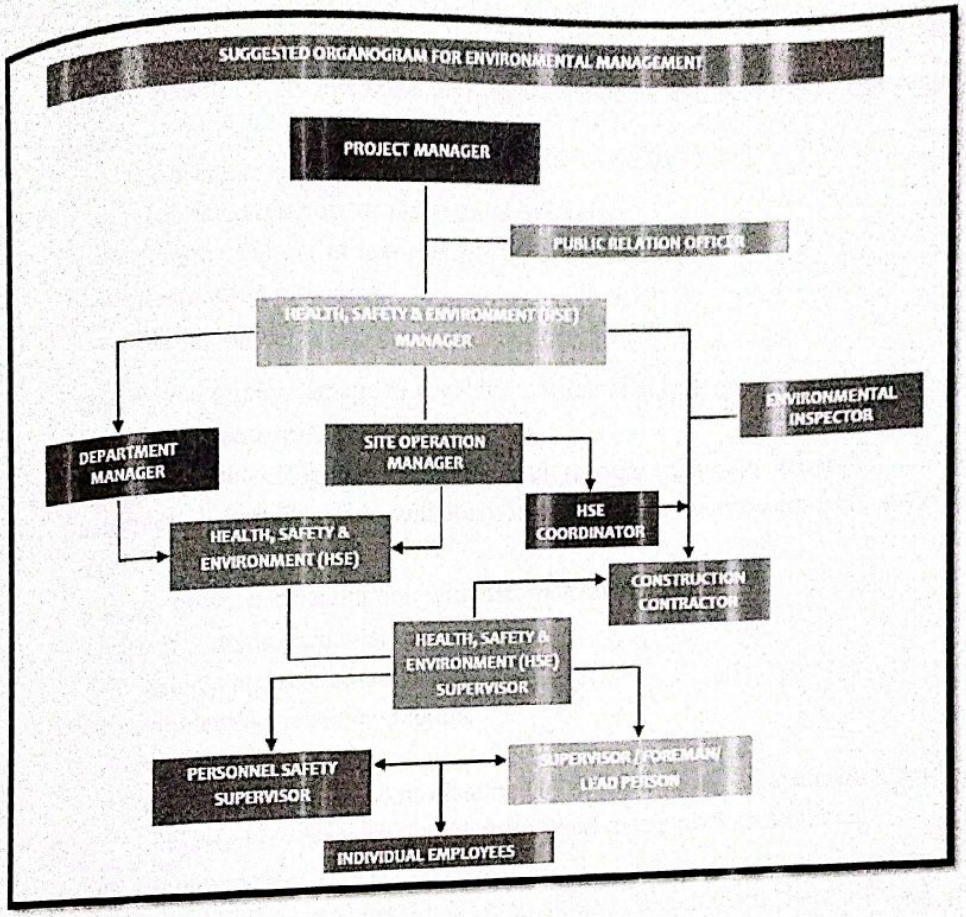
The allocated environmental budget is **PKR 75 Million approx.** The allocated environmental budget will be spent on landscape/green zone management, Environmental Monitoring, solid waste management and wastewater management. The proponent will plant indigenous and ornamental plants to increase the aesthetic value of the area. Thus, the project is also a source of employment for locals and would help in economic development activities of the area.

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9.7 Environmental Management Team along with their roles and responsibilities

The primary responsibility for implementing different aspects of the EMP within the company lies with the concerned departments of JK Sugar Mills (Pvt) Limited, Unit-I.

Table 19: **Proposed Hierarchy of Monitoring team**



9.7 Proposed Monitoring program

Environmental monitoring is a vital component of the Environmental Management Plan. It is the mechanism through which the effectiveness of the EMP in protecting the environment is measured. The feedback provided by the environmental monitoring is instrumental in identifying any problem or lapse in the system under implementation and planning corrective actions. For domestic activities already constructed facilities will be used. Solid waste disposal will be according to standard practices of area. It should be noted that it is difficult to outline a formal monitoring protocol for specific environmental parameters and key impacts until detailed project design have been completed. The main objectives of the environmental monitoring are:

- To provide a mechanism to determine whether the project construction contractors are carrying out the project in conformity with the EMP.
- To identify areas where the impacts of the project are exceeding the criteria of

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significance and, therefore, require corrective actions.

- To document the actual project impacts on physical, biological, and socio-economic receptors, quantitatively where possible, in order to design better and more effective mitigation measures.

Following environmental record should be maintained:

- Periodic inspection reports of the site
- Incident record of all moderate and major incidents and accidents. The record will include:
  - ✓ Location or limit of the accident
  - ✓ Estimated quantity or the amount of injury
  - ✓ Nature of injury or loss (temporary or permanent)
  - ✓ Restoration measures
  - ✓ Photographs
- Description of any damage to vegetation, water resource, or community asset.
- Corrective measures taken, if any
- Waste Tracking Register that will hold records of waste generated during the construction period. This will include quantities of waste disposed, recycled, or reused.
- Records of water consumption with use wise breakdown
- Survey reports, in particular, the following:
  - ✓ Vehicle and equipment noise.
  - ✓ Ambient noise survey reports.
  - ✓ Ambient level of PM
  - ✓ Vendor data—all vendors disturbed by the project and compensation paid Public infrastructure: Record of all damages and repair work undertaken.
  - ✓ Employment
  - ✓ Total number of unskilled, semi-skilled, and skilled jobs offered during Construction.
  - ✓ Name and domicile of the employed staff.
  - ✓ Project and Community Interface
  - ✓ Record of community complains and the measures taken to address them.
  - ✓ Number of meetings held in various communities and data of persons who attended.

9.8 Proposed EMP reporting and reviewing procedures

During construction, EMP reporting and reviewing will be done by the contractor/HSE department. Following steps will be taken during reporting and reviewing of EMP.

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1. **Data recording and maintenance:** All forms that will be used for monitoring will be numbered and a tracking system will be developed for each. In this manner, it will be ensured that all forms are returned to the office, be filled, unused or discarded.
2. **Storage of information:** A database will be prepared for collecting the information during the project. The database may include information on training programs, non-compliance, corrective actions and results of monitoring. It will also contain photographic records of project site.
3. **Site Monitoring:** Quarterly Monitoring will be done by monitoring team as per SMART Rules and will be reviewed by concerned. The parameters that will be measured are given below.

Sampling	Parameters
Ambient Air Quality	SO2, NO, O3, NO2, CO, PM2.5, PM10
Drinking Water	TDS, pH, Color, Taste, Odor, Total Hardness as CaCO3, Turbidity.
Noise Level	Area Mid-Point

Afterward, monitoring reports will be submitted in EPA as per condition of Environmental Approval of construction phase.

Furthermore, recorded data will be reviewed by supervisory so that it can be further improved if required.

9.9 Environmental Training

Training is an integral part of a preventive strategy. Environmental and disaster management training will be required to ensure proper implementation of effective environmental management and monitoring plan; and disaster management plan. However, training could be organized by proponent involving relevant staff. As a trainer, competent Consultant can be outsourced. Important training under the spectrum needs to include:

- Training on fire fighting and safety management;
- Training on environmental safeguards and compliance;
- Staff training on environmental monitoring and reporting;
- Training on occupational health and safety measure.

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Table 20: Training Schedule

Target Audience	Trainers	Contents	Schedule
Selected Management Staff	Subject Expert	Key finding of mitigation measure	After every five months
All Personnel	HSE Officer	Mitigation measures especially firefighting, safety, health and environment (emissions & discharges) etc.	Monthly
Technical Staff	HSE Officer	Waste disposal, vehicle movement restriction and other mitigation measures	After every three month
Other Staff	HSE Officer	Waste disposal, resource conservation and other mitigation workers	Monthly

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Chapter 10

Public Consultation and Public Disclosure

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10 PUBLIC CONSULTATION AND PUBLIC DISCLOSURE

10.1 General

Public consultation refers to the process by which the concerns of various stakeholders and local community who have a plausible stake in the environmental management & associated impacts of the project or activity are ascertained with a view to taking into account all the material concerns in the project or activity design as appropriate. According to the Review of IEE and EIA Review Regulations, 2022 public consultation is mandatory for any socio-environmental study for the commencement of any project.

10.2 Impact Assessment Survey

Impact assessment survey and public consultation sessions held with different stakeholder groups that may be impacted by this project commencement were carried out. The consultation process was carried out in accordance with the guidelines laid by EPA, Punjab. The objectives of this process were to:

- Share information with stakeholders on proposed project establishment.
- Access the impacts on the physical, biological and socio-economic environment.
- Understand stakeholder concerns regarding various aspects of the project commencement.
- Note valuable suggestions of local stakeholders to improve the proposed project design.
- Understand the perceptions, assessment of social impacts and concerns of the affected people/communities of the project area.
- Find out the awareness level and situation of acceptability to identify any issues for the implementation of the proposed project.
- Invite people to express their views about the positive/negative impacts on their lifestyles and environment.
- Disclose information about contact offices/officers for any complaints/queries.

It is envisaged, there will be no social impact being foreseen due to the commencement of aforesaid project at aforesaid location, the nearest community is located at 0.4 km aerial distance (Nahla) from the project area. This EIA Report includes all the comments, which were taken into account during the social survey and preparing the definitive development concept for the installation and operation of proposed project. Public consultation questionnaires and consultation with Govt official are attached as **Annex-VIII** of this EIA Report.

10.3 Consultation with Government officials

Consultation regarding Environmental Impact Assessment of M/s JK Sugar Mills (Pvt) Limited. Unit-I (16000 TCD) was carried out with Government official. Concerns of locals, Environmental Practitioners & experts and Government departments were discussed and asked to consider them while construction of above-said project. Locals will be preferred for employment after providing proper training. Mitigations measures mentioned in EMP will be truly implemented.

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12.4 The responsible authority

Overall responsibility for implementation of EMP will be of project proponent. He will appoint a HSE Project Manager of relevant qualification. HSE Project Manager will act as Environmental Manager and will manage the all HSE conditions.

12.5 Consultation with Affected and wider community

In addition, to the use of direct methods to evince the response of the various stakeholders in targeted population residing in study area was ascertained by conducting a sample survey, through specially formatted questionnaires (attached in the **Annex-XVI** of this EIA Report). Questions posed to the public were related to creation of possible impacts, adverse impacts and beneficial aspects, including; employment opportunities, income generation activities, change in living standards and provision of the basic amenity.

Personal views of the respondents on the establishment of above-mentioned unit by JK Sugar Mills (Pvt) Limited possible disturbance to the residents near the AOI and infringement of their privacy were also recorded. The various rounds of public meetings and consultations were arranged in project and study area. The objectives of consultation with the affected persons are given in the table below:

- Disclose the proponent plan for the construction/operation of said facility.
- To share information on the design and specifications of project works.
- To analyze the expected impact on the socio-economic environment.
- To understand their concerns regarding various aspects of project commencement.

12.6 Views, Concerns and Suggestions of Various Stakeholders

The major socio-economic concerns and problems of the affected persons of various communities have been given in tabulated form below (**Table 21**) along with their main concerns and remarks. Community showed a lot of concerns; a few are being mentioned here:

- Removal of shrubs and trees should be avoided to the extent possible in the case of clearance green zones should be established within the facility.
- Indigenous tress around the facility should be planted to control air pollution and as the compensation of removed trees.
- The project will become the source of income for local to earn their livelihood easily and honorably, so locals should be preferred.
- The area will inhabit and will be used for the beneficial purposes.
- For the solid waste management and waste disposal, proper disposal techniques should be adopted.
- Water spraying/sprinkling should be done on the regular basis for dust suppression.

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- Employment opportunities will be generated and locals should be hired on the priority basis.
- The air pollution is one of the major impact from which Punjab is being affected at the large scale. So, ambient air quality should be monitored regularly and air pollution expected to generate from the operation should be mitigated beforehand.
- Good relations with the local communities will be promoted by encouraging Contractor to provide opportunities for skilled and unskilled employment to the locals as well as on-job training.
- Noise generated activities should be carried out during day hours.

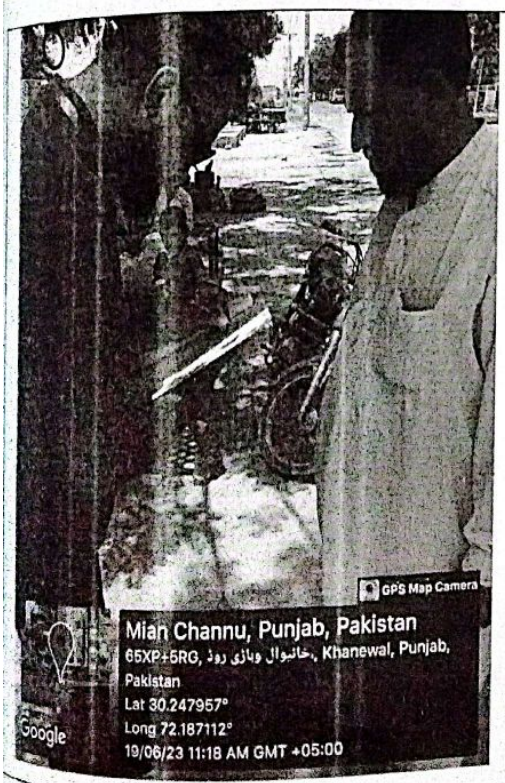
The views and the concerns of the local communities, direct and indirect stakeholders have been compiled and are presented in the tabular form below:

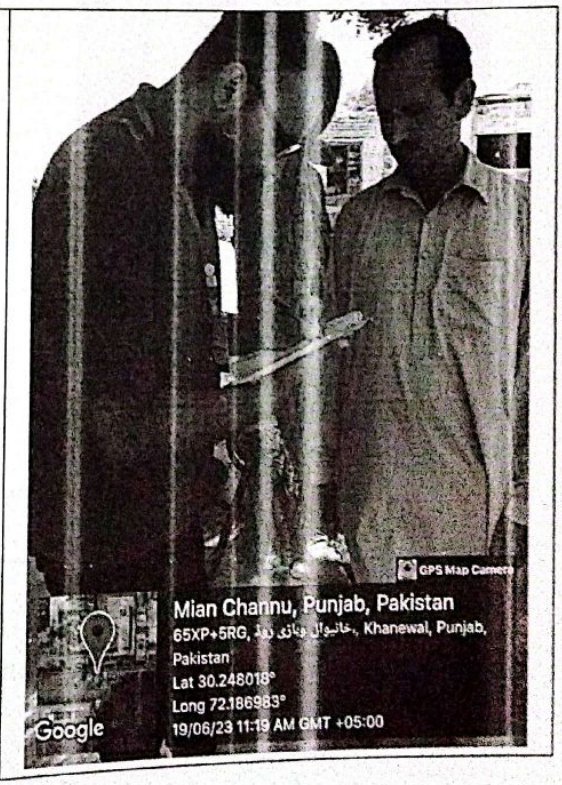
Table 21: Views and Concerns of Stakeholders

Sr.#	Respondents	CNIC/Contact No.	Concerns
i.	Samuel	36603-1827672-7	During the survey in the study area following concerns of the local community were noted: ➢ Locals should be preferred for the job opportunities. ➢ Wastewater should be treated prior to final disposal. ➢ Cleanliness of the area should be ensured. ➢ An effective EMMP should be designed and enforced with true spirit. ➢ Health of the workers should be ensured. ➢ Workers should be hired from local community. ➢ Indigenous trees around the facility should be planted to control air pollution. ➢ Noisy activities should be confined. ➢ Solid waste should be managed and disposed off properly ➢ Removal of shrubs and bushes
ii.	M. Ramzan Mansha	36104-8387630-5	
iii.	M. Arshad	36104-3231588-7	
iv.	M. Shaban	0303-7252165	
v.	Sajjad Hussain	36104-5449722-3	
vi.	Rizwan Jamil	32203-0982611-7	
vii.	Wali ullah	36104-3963060-1	
viii.	Liaqat Hussain	0304-7112482	
ix.	Ghulam Shabbir	0326-2681540	
x.	M. Saleem Khan	0308-7132036	

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xi.	M. Saleem	33104-2228321-1	should be avoided to the extent possible. ➢ Health of the workers should be ensured. ➢ Workers should be hired from local community. ➢ Indigenous trees around the facility should be planted to control air pollution. ➢ Noisy activities should be confined. ➢ Solid waste should be managed and disposed off properly
xii.	M. Rashid	33104-2080415-5	
xiii.	M. Sajid Nadeem	33104-2231663-9	
xiv.	M. Wajid	33104-8800425-3	
xv.	Afzal	33104-7798245-3	





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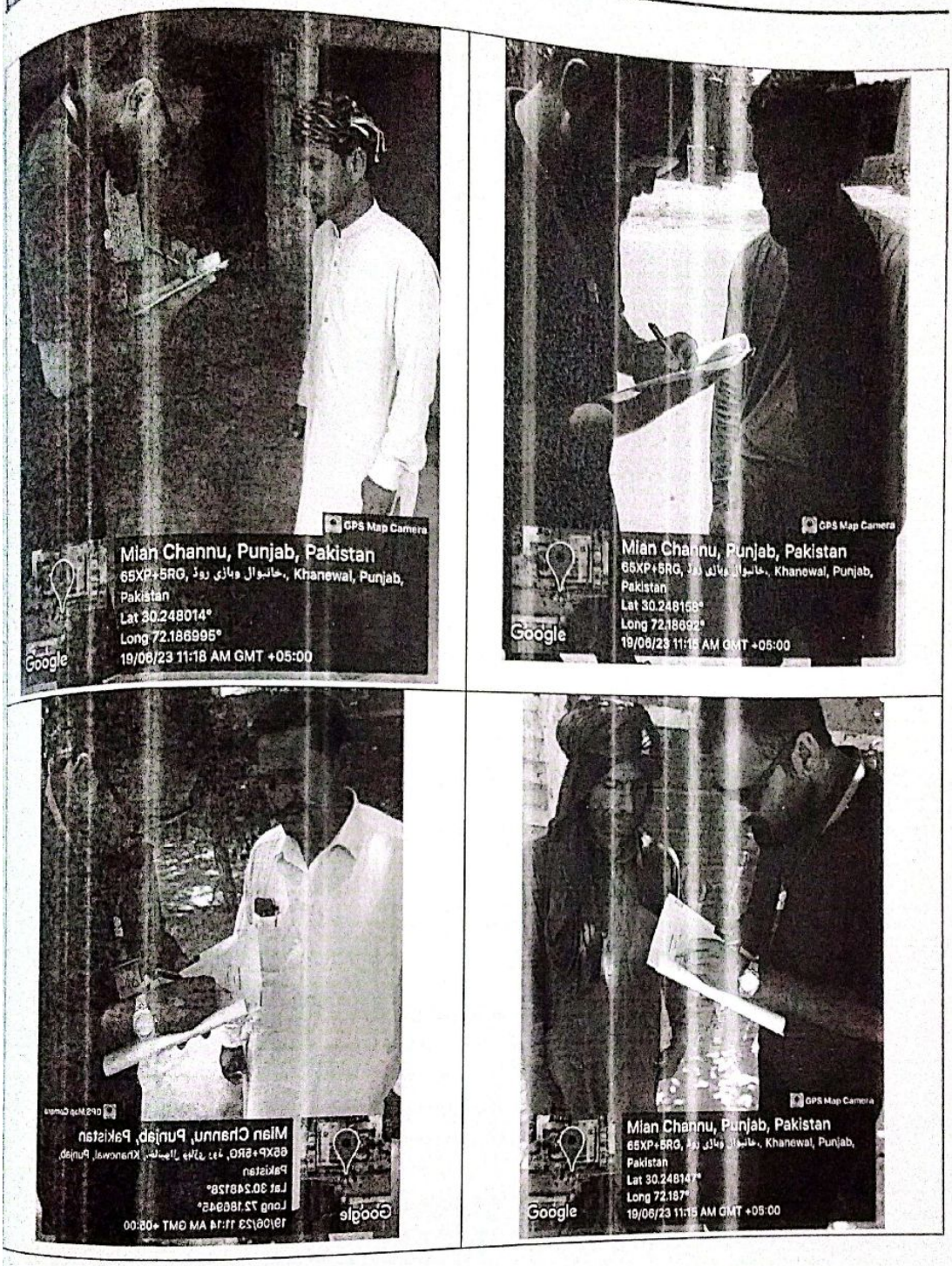


Figure 14: Consultation with locals

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LIST OF ANNEXURES

Annex-I	Proponent CNIC
Annex-II	Land Ownership Documents
Annex-III	Layout Map of Project
Annex-IV	Regularisation Letter from Industries Department
Annex-V	Drawing and Design Of Dust Collection System
Annex-VI	Copy Of Contract for Mud sale
Annex-VII	Copy Of Contract for Ash Sale
Annex-VIII	Copy Of Contract for Molasses Sale
Annex-IX	HSE Documents & Detail of Fire fighting Equipments
Annex-X	List of Machines
Annex-XI	Boiler Inspection Certificate
Annex-XII	Environmental Monitoring Reports of WWTP and Stack
Annex-XIII	ETP layout and Effluent Monitoring Reports
Annex-XIV	Valid Baseline Environmental Monitoring Reports
Annex-XV	Socio- Economic Survey Forms
Annex-XVI	Authority Letter In Favor Of Proponent

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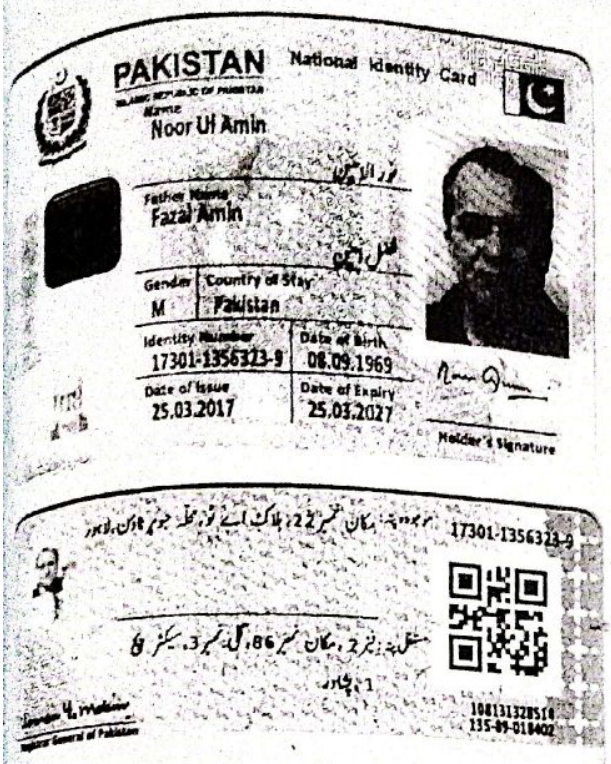
Annex-XVII	Authority Letter In Favor Of Consultant
Annex-XVIII	References

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ANNEX-I

Proponent
CNIC

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گمشدہ کارڈ ملنے پر قریبی لیٹر بکس میں ڈال دیں

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ANNEX-II

Property Documents

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حلقہ [illegible] ضلع تحصیل میاں چنوں ضلع ساہیوال سال 2019-20 کتاب نمبر 1 / 51 ورق نمبر

۱ نمبر شمار	۲ نمبر کھتونی	۳ (الف) نام مالک معہ ولدیت/شوہر سکونت	۳ (ب) حیثیت مالکانہ (ملکیت، مورثی، عطیہ، وغیرہ)	۳ (ج) مشترکہ کھاتہ میں حصہ	۳ (د) مخصوص مرتبہ مطابق حصہ	۳ (ہ) زرعی ہاں یک نمبر	۴ نام کاشتکار معہ ولدیت	۵ نمبر شمار معہ نام یا کنوئیں وغیرہ	۶ رقبہ، قسم زمین کھیت وار ہیراں کھتونی کاشتکار و کیفیت مالک	۷ وسائل آبپاشی معہ نام چاہ وار ابیاہ وغیرہ	۸ کیفیت جوکا و شکایت (اگر تبدیلی ہو)	۹ مطالبہ معہ تفصیلات واجبہ الوصول	۱۰ کیفیت معہ 1- معہ نمبر (اگر کوئی ہو) 2- شرح آبیانہ زمین
49	375	جے کے شوگر ملز پرائیویٹ لمیٹڈ چک نمبر 84/15-ایل تحصیل میاں چنوں	مالک	123/640	6-3-0		باقی بدستور	قطعات 6	سالم کھاتہ 32-0-0 بتیس کنال				
47	ت 376	(ب) قومی شناختی کارڈ نمبر		معہ شکستہ 123/640	نمبر شکستہ 6-3-0								
		باقی بدستور		517/640 123/640	6-3-0								

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سال 184-15L | طرف ایچ عدد ۱ | تحصیل میاں چنوں | ضلع خانیوال | سال 2019-20 | موضع مسمی

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نمبر کھیوٹ ملک	نمبر گھتونی ہاشتکار	کوائف ملک: نام ملک مع نام والد ان کا ذات قوم اور سکونت	کوائف ملک: کونیت حقوق مالک راہن مرتہن	کوائف ملک: مشترکہ کھاتہ میں مخصوص حصہ	کوائف ملک: مخصوص رقبہ مطابق حصہ	کوائف ملک: زرعی یا غیر زرعی	نمبر خسرہ وعدد تمام گرداوری	ہاشتکار مع اقوال	رقبہ وقسم زمین کھیوٹ وکھتونی ملکیت وحقوق واشتکار وحیثیت	سائل آبپاشی مع آبپاشی وغیرہ	کیفیت مع کھیوٹ	کیفیت مع کھیوٹ	کیفیت مع
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مورخہ 07/07/2018
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نوٹ: محمد [illegible]
کی صداقت تصدیق
لیمینڈ خانیوال
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دروے

نقل مطابق اصل ہے | نام درخواست گذار: نور الامین ولد فضل امین | نام اجراء کنندہ: عاد حسن جاوید ولد ظہور حسین جاوید | لیمینیٹڈ ٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔ | فروآئی ذی 0-00-00-127-00-00-00-0019643410

فرد برائے ذاتی ریکارڈ | قوم: صدیقی | شناختی کارڈ نمبر: 1730113563239 | تاریخ فرد اجراء: 21/06/2023 11:32:06 | فراہمی ریکارڈ دفتر: میاں چنوں

تاریخ فرد اجراء: 21/06/2023 11:18:14 | فیس: 1,100

تاریخ توکین اجراء: 21/06/2023 11:13:06 | توکین نمبر: 19

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نقل برائے سادہ صفحہ

طرف (ق) عدد

تحصیل میاں چنوں ضلع خانیوال

سال 2019-20 کتاب نمبر ورق نمبر 3 / 51

نقل رجسٹر حقوق اراضی (مثل جمعداری)

۱ نمبر شمار	۲ نمبر خسرہ	۳ (الف) کھاتہ/کھتونی نمبر	۳ (ب) مالک	۳ (ج) ولدیت اشتراکی مالک	۳ (د) مشترکہ کھتونی میں مخصوص حصہ	۳ (ہ) مخصوص مرقبہ سابقہ حصہ	۳ (و) زرعی بانس بک نمبر	۴ باہم کاشتکار مع احوال	۵ نمبر خسرہ و مع باہم اگر کوئی	۶ مرقبہ و قسم زمین کیفیت، اوطار، میزان کمستانی و شجرہ، کیفیت مالک	۷ وسائل آبپاشی مع نام چاہ، راجباہ وغیرہ	۸ کیفیت کاشتکار اگر کتاب شرع اور مطالبہ	۹ مطالبہ مع تخصیصات واجب وواجب	۱۰ کیفیت مع 1۔ موسم ابر بارش (اگر کوئی ہو) 2۔ شرح مالیہ زمین
49 مذکور	375 تا 378 مذکور													

آج مورخہ 01/02/2021

بعدالت جناب ڈپٹی کمشنر صاحب

سوال مع الجواب بابت انتقال نمبر

افضل ولد محمد فضل وسعد علی ولد محمد فضل وغیرہ

افضل و فرحت بحق افضل وغیرہ

بالغان، خلاصہ فضل الہ یار

علی ولد محمد فضل وغیرہ

شاہین بحق افضل وغیرہ

یار محمد فضل وغیرہ

[illegible] 01/02/2021 تک

[illegible]

[illegible]

نور الہ ولد فضل دین

1730113563239

بصورت خواست گذشتہ

قسم سے نفی

[illegible]

نقل مطابق اصل ہے

نور الہ سے انگوٹھا

باہم اجراء نقشہ

ہمراہ فوٹو پرنٹنگ

مورخہ 21/06/2023

محمد حسن جاوید ولد غلام حسین جاوید

21/06/2023 11:32:06

21/06/2023 11:18:14

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔

ادائیگی ریکارڈ سنٹر میاں چنوں

فروفیس 1,100

نمبر 19

فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

21/06/2023 11:13:08

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۱	۲	۳ (الف)	۳ (ب)	۳ (ج)	۳ (د)	۳ (ه)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر گرداب	نمبر کتابی	کتابیات												
49	375													
مذکور														
	۳													
	376													
	مذکور													

نقل مطابق اصل ہے

نور الامین ولد فضل امین

1730113563239



نام ادا کنندہ: گلزار حسین جاوید ولد غلام حسین جاوید

تاریخ ادائیگی: 21/06/2023 11:32:06

تاریخ ادائیگی: 21/06/2023 11:16:14

فرد آن لائن

0-00-00-127-00-00-00-0019643410

فرد ادائیگی کا نمبر

21/06/2023 11:13:16

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نقل رجسٹر حقداران زمین (مسل بیعادی)

طرف لیق 882 تحصیل میاں چنوں ضلع خانیوال سال 2019-20 کتاب نمبر 5 / 51 ورق نمبر

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر کھتونی	کوائف مالک					نام کاشتکار معہ احوال	نمبر خسرہ معہ نام اگر کوئی ہو	رقبہ و قسم زمین کھیت وار معہ میزان کھتونی و شجرہ کاشتکار و کھیوٹ مالک	ذرائع آبپاشی معہ نام چاہ وار نمبر وغیرہ	کیفیت معہ تعین جو کاشتکار اور کتابہ شرعی اور مطالبہ	مطالبہ معہ تفصیلات مالیہ و حقوق	کیفیت معہ (1 نام نمبردار (اگر کوئی ہو) 2 ۔ شرح مالیہ زمین
		نام مالک معہ نام والد، قوم اور سکونت	نوعیت حقوق مالک راہن مرتہن	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص رقبہ مطابق حصہ	زرعی پاس بک نمبر							
49 مذکور	375 تا 376 مذکور												4853

نقل مطابق اصل ہے

نام درخواست کنندہ قوم سید ستی شناختی کارڈ نمبر

نور الامین ولد فضل امین 1730113563239

نام اجراء کنندہ ذوالفقار حسین جاوید ولد ظہیر حسین جاوید

تاریخ فرد و اجراء 21/06/2023 11:32:06

تاریخ فرد و اجراء 21/06/2023 11:18:14

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہیں ہے۔

فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

اراضی ریکارڈ سنٹر میاں چنوں

فرد فیس 1,100

ٹوکن نمبر 19

21/06/2023 11:13:06 تاریخ و وقت اجراء

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۱	۲	۳ (الف)	۳ (ب)	۳ (ج)	۳ (د)	۳ (ہ)
نمبر شمار	نمبر کوڈنگ	کوائف ملک				
		ملک جہاں واقعہ ہوا	ولایت / ریاست / صوبہ	ضلع / کاؤنٹی / علاقہ	تحصیل / ٹاؤن / میونسپل ایریا	تھانہ / پولیس اسٹیشن
49 مذکور	375 ج 376 مذکور					

نقل سابق اصل ہے — نام درخواست کنندہ: نور الامین ولد فضل امین

فرد برائے آلۂ ریکارڈ — قوم: صدیقی — شناختی کارڈ نمبر: 1730113563239

نام اجراء کنندہ: محمد حسن جاوید ولد تنویر حسین جاوید

مہر نمبر فرد پرنٹنگ: 21/06/2023 11:32:06

مہر نمبر فرد اجراء: 21/06/2023 11:18:14

نیپیو ثبوت نقل و حفظ کی ضرورت نہیں ہے

فرد آئی ڈی: 0-00-00-127-00-00-00-001964341O

فرد ضلعی ریکارڈ مشتمل چٹوں: 1,100

فرد ضلعی نمبر: 10

مہر نمبر کمپیوٹر: 21/06/2023 11:13:06

Scanned with CamScanner

نقل رجسٹر حقداران زمین (مسل میعادی)

طرف ایچ ۸۱۲ | تحصیل میاں چنوں | ضلع خانیوال | سال 2019-20 | کتاب نمبر | ورق نمبر 51 / 7

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ	نمبر کھتونی / جمابندی	کا مالک مالک: نام، ولدیت، ذات، قوم اور سکونت	نوعیت حقوق مالک راجن مرتجن	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص رقبہ مطابق حصہ	زرعی پاس بک نمبر	بہ کیفیت، مدعا حوال	نمبر خسرہ، مدعا ہم اگر کوئی ہو	رقبہ، قسم زمین، حیثیت اراضی، میزان کمتوتی، باشندہ، کیفیت مالک	کیفیت مدعا ۱۔ سابقہ نمبر (اگر کوئی ہو) ۲۔ مشترکہ رقبہ زمین	مطالبہ و معائنہ	بیان جو کہ پیش ہوا اور مطالبہ	کیفیت آپاشی مدعا ہم چاہ، آبیانہ وغیرہ
49 مذکور	375 تا 376 مذکور												

ضم الحقانی جاری ہے
پٹکا بند نہیں نمبر ۱

نقل مطابق اصل ہے
(دو روپے ڈاک ٹکٹ چسپاں کیے گئے)

نام درخواست کنندہ: نور الامین ولد فضل امین
قوم: صدیقی
شناختی کارڈ نمبر: 1730113563239

نام اجراء کنندہ: فاروق حسن جاوید ولد ظہور حسین جاوید
تاریخ فراہمی نقل: 21/06/2023 11:32:06
تاریخ اجراء: 21/06/2023 11:18:14

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔

فروآئی ذی 0-00-00-127-00-00-00-0019643410

راشی ریکارڈ سنٹر میاں چنوں
فرد فیس 1,100
ٹوکن نمبر 19

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سال 2019-20 ضلع تحصیل موضع حلقہ طرف/لیٹر عدد سال 19-1SL

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹
نمبر کھیوٹ	نمبر کھتونی	کوائف مالک										
		نام مالک معہ نام والد/خاوند قوم اور سکونت	نوعیت حقوق مالک راہن مرتہن	مشترکہ کھاتہ میں کھاتہ میں حصہ	کھاتہ میں رقبہ ذاتی حصہ	زرعی یا غیر زرعی						
49 مذکور	375 ۳ 376 مذکور											

نمبر شمار	ہمراہ درخواست کنندہ	نور الامین ولد فضل امین		فلاں ولد فلاں موضع فلاں حلقہ فلاں تحصیل فلاں ضلع فلاں				
	قوم صدیقی	1730113563239						
	ساکن کھیوٹ نمبر							

تکمیل مقابلہ مثل ہے

نور الامین ولد فضل امین

1730113563239

ہمراہ درخواست کنندہ

تاریخ وقت حاضری 21/06/2023 11:32:08

تاریخ وقت واپسی 21/06/2023 11:15:14

فلاں ولد فلاں موضع فلاں تحصیل فلاں ضلع فلاں

فلاں ولد فلاں موضع فلاں تحصیل فلاں ضلع فلاں

نمبر شمار 75

نمبر فیصد 1.701

نمبر شمار

نمبر شناختی کارڈ 3430181

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نقل رجسٹر حقداران زمین (مسل میعادی)

حد بست 84-ISL موضع طرف اچ عداد ہ تحصیل میاں چنوں ضلع خانیوال سال 2019-20 کتاب نمبر ورق نمبر 51 / 9

۱	۲	۳ (الف)	۳ (ب)	۳ (ج)	۳ (د)	۳ (ہ)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ	نمبر کھتونی	کوائف مالک: نام مالک مع ولدیت ذات قوم و سکونت	ولدیت انتقال مالک مرحوم	شناختی کارڈ نمبر مخصوص حصہ	مخصوص رقبہ مطابق حصہ	زرعی پاس بک نمبر	نام کاشتکار مع احوال	نمبر خسرہ مع نام دیگر کوئی ہو	رقبہ و قسم زمین کیفیت اراضی بیرون کھتونی و شامل کھیوٹ مالک	مسائل آبپاشی مع نام چاہ وغیرہ	لگان جو کاشتکار ادا کرتا ہے شرح اور مطالبہ	مطالبہ مع آبیانہ و محصولات	کیفیت مع 1۔ نام نمبر 2۔ شرح مالیہ زمین
49	375 تا 376												15/06/2022 سے عدالتی حکم امتناعی بعدالت جناب سول جج صاحب درجہ اول میاں چنوں سوٹ نمبر 231 مورخہ 16/12/2011 جاری شدہ نمبر انتقال 1294 قسم انتقال کنٹرول بحق فیصلہ 31/5/2006

0-00-00-127-00-00-00-0019643410 فرد آئی ڈی

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔

اراضی ریکارڈ سنٹر میاں چنوں

فرد فیس 1,100

ٹوکن نمبر 19

تاریخ ٹوکن اجراء 21/08/2023 11:13:08

نام اجراء کنندہ: احمد حسن جاوید ولد ظہور حسین جاوید

تاریخ فرد پرنٹنگ 21/08/2023 11:32:06

تاریخ فرد اجراء 21/08/2023 11:18:14



نور الامین ولد افضل امین

1730113663230

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فارم 84-15L

حلقہ پٹواری ۔۔۔۔ حلقہ قانون گو ۔۔۔۔ تحصیل ۔۔۔۔ ضلع ۔۔۔۔ سال 2023-24

۱	۲	۳ (الف)	۳ (ب)	۳ (ج)	۳ (د)	۳ (ہ)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر کھتونی	کیفیت					ولدیت یا شوہر کا نام	نمبر شمار	نوعیت اندراج	رقبہ زیر اندراج	رقبہ زیر تعمیر	رقبہ زیر سڑک	رقبہ زیر نہر
		ولدیت یا شوہر کا نام، ذات و قوم، سکونت	ملکیت حق یا رہن یا قبضہ	ملکیت حق یا رہن	ملکیت حق یا رہن	ملکیت حق یا رہن				ایکڑ-کنال-مرلہ	ایکڑ-کنال-مرلہ	ایکڑ-کنال-مرلہ	ایکڑ-کنال-مرلہ
49 مذکور	375 ج 376 مذکور												
							میزان کھیوٹ	قطعات 6	قسم زمین غیر ممکن کھال 1-4-0 کل نہری 30-15-0	32-0-0 بتیس کنال			

منسوخی حکم خلاف بعدالت جناب کیپٹن مشتاق صاحب سابق تحصیلدار چنیوٹ حکم خلاف بعدالت ہوا مسمات [illegible] کل رقبہ 32 کنال 0 مرلہ کا انتقال بحق سرکار ہوا 06-12-2016 تاریخ ہو چکا ہے

نقل مطابق اصل ہے

فرد برائے ذاتی ریکارڈ

درخواست کنندہ نورالامین ولد فضل امین

قوم سید شجی

شناختی کارڈ نمبر 1730113563239

تاریخ فراہمی 21/06/2023 11:18:14

تاریخ ترسیل 21/06/2023 11:32:06

دستخط افسر مجاز فرید حسین جاوید ولد غلام حسین جاوید

لیبر ٹریکر نقل و حفاظتی ضرورت ہے

فرد ضلعی ریکارڈ دستیاب ہیں جنوں

فرد فیس 1,100

لوکیشن نمبر 19

فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

21/06/2023 11:13:06

نقل رجسٹر حقداران زمین (مسل بے حادی)

طرف ارچی ندارہ — تحصیل میاں چنوں — ضلع خانیوال — سال 2019-20 — کتاب نمبر — ورق نمبر 11 / 51

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر خسرہ وغیرہ	کوائف مالک: نام مالک مع ولدیت و قوم و سکونت	نوعیت حقوق مالک (بحیثیت مالک یا مرتہن)	مشترکہ رقبہ میں مخصوص حصہ	مخصوص رقبہ مطابق حصہ	ہمسایگان، مع احوال	نمبر خسرہ وغیرہ مع نام گواہی دہ	قسم، قسم زمین، کیفیت وغیرہ، کیفیت ان کے حقوق کی، مالک	سائل آبپاشی وغیرہ	کیفیت رہن کا شیڈول اگر کتابے ترن اور مطالبہ	مطالبہ مع تفصیلات	ملکیت مع 1- نام مالک (کاروان) 2- شرح مالیہ زمین
106	757 تا 758	سے ئے فتوکر مظہر (پراپرٹی) لمیٹڈ سابقہ (ب) قومی شناختی کارڈ نمبر	مالک	1/1	100-0-0	باقی بدستور	قلعات 16	سالم کھاتہ 100-0-0 ایک سو کنال				
104				1/1	100-0-0							

نقل مطابق اصل ہے — نام درخواست کنندہ: نور الامین ولد فضل امین — 1730113663239

خرید بیاناتی / ۱۰۱ — قوم: سید نقوی — شناختی کارڈ نمبر

نام ہمراہ آنندہ: غلام حسن جاوید ولد ظہور حسین جاوید — 21/06/2023 11:32:06

ہمراہ آنندہ: 21/06/2023 11:18:14

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔ — فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

ڈائریکٹر ریکارڈ، ڈسٹرکٹ میاں چنوں

فرد لیس 1.100

نمبر شمار 19

21/06/2023 11:12:06

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۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ر)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر کتونی	کوائف مالک				نام کاشتکار سمیت اصوال	نمبر شمار سمیت نام ولد	نوعیت و قسم زمین جیسے ابی، نہری، بارانی وغیرہ	کل آبیانہ	کیفیت حقوق مالکانہ	ملاحظات
		نام مالک سمیت نام والد، قوم اور سکونت	نوعیت حقوق مالک	مشترکہ کھاتہ میں حصہ	مخصوص رقبہ مطابق حصہ		زمین پر اس کا نمبر					
106	757											
مذکر	تا											
	758											
	مذکر											





1730113063239

Scanned with CamScanner

نقل از رجسٹر حقداران زمین (فصل ہیجاوی)

سال 2019-20 کتاب نمبر ورق نمبر 51 / 13

ضلع خانیوال تحصیل میاں چنوں عدد ارقی طرف

سال 84-15

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر کھتونی	کوائف ملک											
		ولدیت حقوق ملک / رشتہ دار مرد	ملکیت حصہ / رقبہ	حصہ مشترکہ / غیر مشترکہ	حصہ مشترکہ / غیر مشترکہ								
106	757												
زکور	۳ 758 زکور												

بحوالہ انتقال نمبر 2119
قدرتی متصلہ مورخہ
21/10/2017 گواہ
بذارقم
تعدادی 0-0-100
1/1 بحق 100-0-0
بینک نیشنل بینک آف پاکستان
خواجہ کاروانی شوگر فیکٹری لمیٹڈ
بذریعہ وکیلان نمبر
بذریعہ ڈاکٹر کنٹریکٹ
ڈیکریٹ ایگزیکٹو، بلیو شیئر
500000 کے عوض
ہوچکا ہے

		بیزان کھیوٹ	قطعات	100-0-0	قسم زمین		

0-00-00-127-00-00-00-0019643410 فوٹو آئی ڈی

کمپیوٹرائزڈ نقل، دستخط کی ضرورت نہیں ہے

ولد محسن جاوید اللہ غفیر حسین جاوید

21/06/2023 11:32:06

21/06/2023 11:13:14

ولد رحیم

1.100

19

17301-1956323-9

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سال 84-15L | طرف/رقبہ عمارہ | تحصیل میاں والی | ضلع میانوالی | سال 2019-20

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ	نمبر کھتونی	کوائف مالک					باقی حقوق مالکانہ	قسم مرد/عورت	قسم کاشت	کیفیت	کیفیت		
	واجبہ	نام مالک معہ نام والد/خاوند قوم اور سکونت	نوعیت حقوق مالک زمین مرتہنی	منتقل کنندہ میں حصہ	مخصوص رقبہ مطابق حصہ	زرعی یا غیر زرعی							
106 مذکور	757 تا 758 مذکور							16	ایک سو کنال	غیر ممکن پختہ 1-1-0 کل شمری 98-16-0			

نقل مطابق اصل ہے | نام درخواست کنندہ نورالامین ولد فضل امین | نام اجراء کنندہ محمد حسن جاوید ولد غلام حسین جاوید

فرد برائے اراضی / پیداوار | قوم سید نقی | شناختی کارڈ نمبر 1730113563239 | تاریخ ترسیل ڈاک 21/06/2023 11:32:06

تاریخ فراہمی 21/06/2023 11:18:14

کمپیوٹرائزڈ نقل ہے ضرورت ہے

عدالتی / ریکارڈ آفس میں چاہیں

فروخت 1,100

فرد نمبر 19

تاریخ وقت اجراء 21/06/2023 11:13:56

فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

Scanned with CamScanner

نقل رجسٹر حقداران زمین (مسل بیعادی)

کھاتہ 84-15L — طرف ربی عدد — تحصیل میاں چنوں — ضلع خانیوال — سال 2019-20 — کتاب نمبر — ورق نمبر 51 / 15

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ	نمبر گرداوری	کوائف مالک: ہر مالک مع ولدیت و قوم و سکونت	حیثیت انتقال مالک راہن یا مرتہن	حصہ جو رہن میں ہے	حصہ جو رہن میں نہیں ہے	نمبر مالک	ہمسایگان مع ولدیت	نمبر قسم و مع نام آبیاری	رقبہ و قسم زمین کھیت وار و میزان کرتوتی و ہدود و کیفیت مالک	وسائل آبپاشی مع نام چاہ و ایجاد و غیرہ	کیفیت مع حدود	مطالبہ مع تفصیلات	کیفیت مع حدود
50	377	سے کے شوکر ملز (پرائیویٹ) لمیٹڈ سائنڈیہ	مالک	205/3699	20-10-0			قطعات 78	سالم کمانہ 369-18-0 تین سو انجٹر کنال اٹھارہ مرلے				
49	408	۳					باقی بدستور						
		۳(ب) قومی شناختی کارڈ نمبر											
				205/3699	20-10-0								
		سے کے شوکر ملز پرائیویٹ لمیٹڈ چک نمبر 84/15-ایل تحصیل میاں چنوں	مالک	380/3699	38-0-0								
		۳(ب) قومی شناختی کارڈ نمبر											
				380/3699	38-0-0								
		باقی بدستور		346/411									
				65/411	58-10-0								

نقل مطابق اصل ہے — ہمراہ درخواست کنندہ — نور ہو میں دائر فضل دین — 1730113503239

دستخط — نام — ولدیت — قومی شناختی کارڈ نمبر

ہمراہ برادر لکھدہ — ہر ج آر دی ہنگ — ہر ج آر وجرد

نور حسن جاوید ولد ظہور حسین جاوید — 21/06/2023 11:32:06 — 21/06/2023 11:18:14

لیبر ٹرائبرکا نقل سے محفظ کی ضرورت نہ ہے — 1,100 — 19

فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

21/06/2023 11:12:08

Scanned with CamScanner

حال 84-15L | طرف لرچی عدارد | تحصیل میاں چنوں | ضلع خانیوال | سال 2019-20 کتاب نمبر | ورق نمبر

۱	۲	۳ (الف)	۳ (ب)	۳ (ج)	۳ (د)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر کھتونی	کوائف مالک					نام کاشتکار معہ احوال	نمبر خسرہ معہ تمام اندراجات	رقبہ و قسم زمین کھیت، اور اور	ذرائع آبپاشی	نشان جو کاشتکار	مطالبہ معہ تفصیلات	ملکیت معہ
		نام مالک معہ نام والد/خاوند قوم اور سکونت	نوعیت حقوق مالک	مشترکہ خانہ میں مخصوص	مخصوص رقبہ/شاملاتی	زرعی بینک نمبر							
			راہن مرتہن	حصہ	حصہ								
50 مذکور	377 تا 408 مذکور												

نقل مطابق اصل ہے — بسمہ درخواست کنندہ — نور الامین ولد فضل امین

نمبر برائے فائل ریکارڈ — قوم صدیقی

شناختی کارڈ نمبر 1730113563239

نام اجراء کنندہ — محمد حسن جاوید ولد ظہور حسین جاوید

تاریخ و وقت اجراء نقل 21/06/2023 11:32:06

تاریخ و وقت اجراء 21/06/2023 11:18:14





کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔

فرد آئی ڈی 0-00-00-127-00-00-00-0019843410

تحصیل ریکارڈ آفیسر میاں چنوں

فرد فیس 1,100

کوڈ نمبر 19

تاریخ و وقت اجراء 21/06/2023 11:13:09

Scanned with CamScanner

نقل رجسٹر حقداران زمین (مسل میعادی)

موضع 84-15L | طرف ابچ 84 | تحصیل میاں چنوں | ضلع خانیوال | سال 2019-20 | کتاب نمبر 51 | ورق نمبر 17 / 51

۱ نمبر کھیوٹ	۲ نمبر کھتونی کاشتکار	۳ (الف) نام مالک معہ نام ولدیت / زوجیت قوم اور سکونت	۳ (ج) ذمہ داری حقوق مالک بوابستہ مرتہن	۳ (د) مشترکہ کھاتہ میں مخصوص حصہ	۳ (ہ) مخصوص رقبہ مطابق حصہ	۳ (و) زرعی پاس بک نمبر	۴ نام کاشتکار معہ احوال	۵ نمبر خسرہ معہ نام اگر کوئی ہو	۶ رقبہ، قسم زمین کھیوٹ وار اور میزان کھتونی کاشتکار و کھیوٹ مالک	۷ وسائل آبپاشی معہ نام چاہ / نہر / بارانی وغیرہ	۸ لگان جو کاشتکار ادا کرتا ہے شرح اور مطالبہ	۹ مطالبہ معہ تفصیلات مالیہ / محاصل	۱۰ کیفیت معہ 1 - نام کھیوٹ / ارکان کھیوٹ 2 - شرح مالیہ زمین
50 مذکور	377 تا 408 مذکور												بحوالہ انتقال نمبر 2119 تصدیق شدہ مورخہ 21/10/2017 بذریعہ ... 369-18-0 ... 205/3600 ... 20-10-0 ... 1560000 ... ہو چکا ہے

نقل مطابق اصل ہے | بمطابق درخواست کنندہ | نور الامین ولد فضل امین | 1730113563239

قوم صدیقی | شناختی کارڈ نمبر





نام اجراء کنندہ: ثنا حسن جاوید ولد ظہور حسین جاوید

تاریخ فرد پرنٹنگ: 21/06/2023 11:32:06

تاریخ فرد اجراء: 21/06/2023 11:18:14

کمپیوٹرائزڈ نقل ۔ دستخط کی ضرورت نہ ہے۔

اراضی ریکارڈ سنٹر میاں چنوں

فرد فیس 1,100

ٹوکن نمبر 19

فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

تاریخ ٹوکن 21/06/2023 11:13:06

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۱۱	۱۰	۹	۸	۷	۶	۵	۴ (د)	۴ (ج)	۴ (ب)	۴ (ب)	۴ (الف)	۲	۱
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	کوائف مالک					نمبر کھتونی	نمبر کھیوٹ
							[illegible]	[illegible]	[illegible]	[illegible]	نام مالک مع ولدیت، قوم اور سکونت		
[illegible]												377 تا 408	50

نقل مطابق اصل ہے — درخواست دہندہ — قوم — شناختی کارڈ نمبر

نور الامین ولد فضل امین

1730113563239





21/06/2023 11:32:06

21/06/2023 11:10:14

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1,100

19

21/06/2023 11:13:00

1

نقل رجسٹر حقداران زمین (مسل بیعادی)

ضلع خانیوال | تحصیل میاں چنوں | طرف/ق عمارہ | حلقہ 89-15L

سال 2019-20 کتاب نمبر | ورق نمبر 51 / 19

۱	۲	۳ (الف)	۳ (ب)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیت	نمبر کھتونی	مالک						نام کاشتکار، مدت احوال	نمبر خسرہ و مدنام اگر کوئی ہو	مرتبہ و قسم زمین کھیت وار اور میزان کھتونی کاشتکار و کھیوٹ مالک	ساکن آبپاشی مدنام چاہ راجباہ وغیرہ	کیفیت جو کاشتکار اور کرتا ہے شرح	مطالبہ مد تخصیصات لیاقت و جوب	کیفیت مد 1 - نام نمبر وار اکر ون ہو) 2 - شرح مالیہ (مین
		نام مالک مع نام والد / شوہر و قوم و سکونت	حیثیت حقوق مالک (مالکان صر تحین)	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص مرتبہ مطابق حصہ	زرعی پاس بک نمبر								
50 مذکور	377 تا 408 مذکور													

فرد انتقال نمبر 2191
عکس آرڈیننس مفصلہ مورخہ 07/07/2018
مرتبہ خسرہ 4 ی
360-18-0
3,179 2-00
2(0-17-0 مجاب کر
محمد ولد سلطان مجتز ... علی
مرتبی وقف 4 بیغہ بلام شر
112000 ف
... من ... چاہ

نقل مطابق اصل ہے | نام درخواست کنندہ نور امین ولد فضل امین | نام اجراء کنندہ محمد حسن جاوید ولد ظہور حسین جاوید | کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔ | فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

فرد برائے خانی ریکارڈ | قوم سید شمی | تاریخ فراہم کنندہ 21/06/2023 11:32.06 | اراضی ریکارڈ سنٹر میاں چنوں

ID کارڈ نمبر 1730113563239 | تاریخ فراہم 21/06/2023 11:18:14 | فرد فیس 1,100

21/06/2023 11:13:05 تاریخ فراہم کنندہ | نوکری نمبر 19

Scanned with CamScanner

حال 84-15L | طرف ریچ عدد | تحصیل میاں چنوں | ضلع خانیوال | سال 2019-20 | کتاب نمبر | ورق نمبر

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ مالک	نمبر کھتونی وشمار	کوائف مالک: نام مالک معہ نام والد/خاوند قوم اور سکونت	نوعیت حقوق مالک زائکن عرتین	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص رقبہ مطابق حصہ	زرعی پاس بک نمبر	نام کاشتکار، معہ احوال	نمبر خسرہ معہ نام راکر کوئی ہو	رقبہ و قسم زمین کھیوٹ دار اور نمبر دار کھتونی کو شامل رقبہ کھیوٹ مالک	موسمی آبپاشی معہ نام چوہدراہٹ وغیرہ	کیفیت آبپاشی کنواں چوکا ٹیوب ویل وغیرہ	مطالبہ معہ تصدیقات ٹیوب ویل وغیرہ	کیفیت معہ 1 معہ نمبر ولد (اگر کوئی ہو) 2 مرتن نمبر ایمن
50 مذکور	377 تا 408 مذکور												

دن کا وقت
01/11/2019
عدالت جناب صادق اکبر خان
ڈویژنل سپرنٹنڈنٹ میاں چنوں
آج میاں چنوں عدالت لگائی گئی
مورخہ 26/10/2019
مقدمہ نمبر 0 پیش ہوا
پیشی نمبر 0

نقل مطابق اصل ہے
فرد برائے ذاتی زیر استعمال

نور الامین ولد فضل امین
1730113563239

نام درخواست کنندہ
قوم
شناختی کارڈ نمبر

نام اجراء کنندہ: فدا حسین جاوید ولد غلام حسین جاوید
مہر دستخط اجراء کنندہ
21/06/2023 11:32:06
مہر دستخط افسر
21/06/2023 11:18:14

کیمپ فرانزو نقل سے تصدیق کی ضرورت نہ ہے

فرد ذاتی ای 0-00-00-127-00-00-00-0019643410

واسطی رجسٹرڈ مشتر میاں چنوں
فرد نمبر 1,100
نوکن نمبر 19

21/06/2023 11:13:06

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سال 2019-20 کتاب نمبر 21 / 81 ورق نمبر

ضلع خانیوال تحصیل میاں چنوں طرف لیق عدد

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر خسرہ	گوشوارہ مالک					نام کاشتکار، مدت احوال	نمبر خسرہ و مدت نام دیگر کوئی ہو	رقبہ، قسم زمین کھیت دار اور ہیران کستونی کا لکیکر، کمیٹ مالک	سائکل آبپاشی مدت نام چاہ، راجباہ وغیرہ	کان جو کاشتکار ہو اگر نہ ہے تشریح اور مطالبہ	مطالبہ مدت تخصیلات بیاب، نہ ہو سب	کیفیت مدت 1۔ نام کنبہ دار (اگر کوئی ہو) 2۔ شرح مایہ زمان
	کاشتکار	نام مالک مدت نام والد / خاوند قوم پور سکونت	نوعیت حقوق مالک داہکن مرتہن	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص رقبہ مطابق حصہ	زرعی پاس بک نمبر							
50	377												
مذکور	تا												
	408												
	مذکور												

آج مورخہ 12/10/2020 بعدالت جناب اللہ سائل ڈپٹی کمشنر صاحب صاحب مسل ہذا میں پیش ہوا۔ بعنوان بنام آئی جی مسل 18/01/2020 سے تحصیل شروع ہوئی۔ پیشی نمبر 0

تقل مطابق اصل ہے — نام درخواست کنندہ — نور الامین ولد فضل امین

مرد / بالغ / نابالغ — قوم صدیقی

شناختی کارڈ نمبر 1730113563239

نام اجراء کنندہ شاد حسن جاوید ولد تلبور حسین جاوید

تاریخ فرد اجراء 21/06/2023 11:32:06

تاریخ اجراء 21/06/2023 11:18:14





کمپیوٹرائزڈ نقل ہے دستخط کی ضرورت نہ ہے

فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

تحصیل دریا خان ضلع میاں چنوں

فرد فیس 1.100

ولیم نمبر 19

تاریخ فرد 21/06/2023 11:13:05

Scanned with CamScanner

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ه)	۳ (و)
نمبر شمار	نمبر کھتونی	کھاتہ بنک				
		دیہہ، بنک، سب تحصیل یا ضلع اور کوڈ نمبر	ولدیت، ملکیتی یا بنک راہن مرتہن	مشترکہ کھاتہ ہیں مخصوص حصہ	مخصوص رقبہ یا بنک	زرعی یا غیر زرعی
50	377					
مذکور	۳					
	408					
	مذکور					

۴	۵	۶	۷	۸	۹	۱۰

نقل بمطابق اصل ہے — درخواست کنندہ — نور امین ولد فضل امین

1730113563239

Scanned with CamScanner

نقل رجسٹر حقداران زمین (مسل میعادی)

حد بست نمبر 84-15L | طرف ایچ عدد | تحصیل میاں چنوں | ضلع خانیوال | سال 2019-20 | کتاب نمبر | ورق نمبر 51 / 23

۱ نمبر کھیوٹ	۲ نمبر کھتونی	۳ (الف) نام مالک معہ ولدیت، ذات و قوم اور سکونت	۳ (ب) ملکیت حقوق مالک یا رہن مرتہن	۳ (ج) مشترکہ کھاتہ میں مخصوص حصہ	۳ (د) مخصوص رقبہ مطابق حصہ	۳ (ہ) زرعی پاس بک نمبر	۴ نام کاشتکار معہ احوال	۵ نمبر خسرہ معہ نمبر اگر کوئی ہو	۶ رقبہ، قسم زمین معہ کھیوٹ وار اور میزان کھتونی کاشتکار و کھیوٹ مالک	۷ وسائل آبپاشی معہ نام چاہ یا نہر وغیرہ	۸ لگان جو کاشتکار ادا کرتا ہے شرح اور مطالبہ	۹ مطالبہ معہ تفصیلات مالیہ و حسب	۱۰ کیفیت معہ 1 - نام نمبردار (اگر کوئی ہو) 2 - شرح مالیہ زمین
50 مکمل	377 تا 405 مکمل												تمبر انتقالی جاری ہے پکچر کیس نمبر 1

0-00-00-127-00-00-00-0019643410 فرد آئی ڈی

تصدیق کی جاتی ہے کہ یہ نقل مطابق اصل ہے / یہ فرد کمپیوٹرائزڈ ہے اس پر دستخط کی ضرورت نہیں ہے

اراضی ریکارڈ سنٹر میاں چنوں

فرد فیس 1,100

آپریٹر 19

11/06/2023 11:13:06

نام درخواست دہندہ: غلام حسین جاوید ولد ظہیر حسین جاوید

تاریخ اجراء فرد 21/06/2023 11:32:06

تاریخ درخواست 21/06/2023 11:18:14





نام واحسین ولد فضل حسین

1730113563239

فارم 84-15L

ضلع نارووال | تحصیل شکرگڑھ | طرف/ق عدد 1 | سال 2019-20 | حسب نمبر

نمبر شمار	نمبر کھتونی وغیرہ	۲ (الف) کوائف مالک: نام مالک مع ولدیت اور قوم اور سکونت	۲ (ب) ولدیت اور نام مالک یا نام خاوند	۲ (ج) اشتراک، علاوہ یا خاص حصہ	۲ (د) تخصیص برقبہ مطابق حصہ	۲ (ہ) سابقہ ولد مالک	۳ ہمراہ کاشتکار سکونت	۴ نمبر خسرہ وغیرہ جس کھیت واقع ہے	۵ نمبر خسرہ جدید	۶ رقبہ زیر کاشت ایکڑ	۷ نوعیت کاشت	۸ کیفیت آبپاشی	۹ اگر مالک کاشت نہ کرتا ہو تو نام و سکونت کاشتکار	۱۰
50 مذکور	377 تا 408 مذکور	نور الامین ولد فضل امین 1730113563239												

نقل مطابق اصل ہے
فرد برائے ذاتی زمین

ہمراہ درخواست کنندہ
قوم صدیقی
ذات قریشی کاروائیر

ہمراہ کاشتکار

عدنان گرمانی
تاریخ و وقت

ملک حسین ولد غلام حسین چیمہ
21/05/2023 11:32:06
21/05/2023 11:18:14

تصدیق کنندہ قانون گو حلقہ کی تاریخ دستخط

ولد فضل
ذات
تاریخ
ذکر ہے

نمبر شناختی کارڈ 35202-1[illegible]-[illegible]

Scanned with CamScanner

نقل رجسٹر حقداران زمینی (مسل میعادی)

جلد نمبر 84-151 | طرف اپیل شاہدہ | تحصیل میاں چنوں | ضلع خانیوال | سال 2019-20 کتاب نمبر | ورق نمبر 51 / 25

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (ی)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	مد کھتونی وجہ	کوائف مالک					ہمہ کاشتکار، مدہ اجمال	نمبر عکس ومدہ یاد اگر کوئی ہو	رقبہ و قسم زمین کیفیت وار ہمراں کھتونی فاشتکار و کیفیت مالک	وسائل آبپاشی مدہ یاد آبپاشی وغیرہ	نگران جو کاشتکار اور اگر کتاب شرح اور مطالب	مطالب مدہ تفصیلات یاں اور سبب	کیفیت مدہ 1- مدہ نمبر ہذا (اگر کوئی ہو) 2- شرح دیہہ زمین
		نام مالک مدہ یاد مدہ ارثاوہ قوم اور سکونت	ولدیت اتفاق مالک یا کن سر شجرہ	شجرہ کے لحاظ سے مخصوص حصہ	مخصوص حصہ رقبہ مطابق	رقبہ یاں ہک نمبر							
50	377 تا 408 مذکور												

بتاریخ نامعلوم
15/06/2022 کی رو
سے نقل متنازعہ فیہ نمبر
1051 پیش ہوئی
منسوخ حکم امتناعی بعدالت
اکبر جاوید سول جج میاں
چنوں میاں وقار ولد
عبدالحفیظ بنام مسعود علی
وغیرہ کا حکم امتناعی خارج
ہو چکا ہے
منسوخ حکم امتناعی بعدالت
لاہور ہائی کورٹ ملتان بنچ
میاں وقار الحق بنام مسعود
علی وغیرہ کا حکم امتناعی خارج
ہو چکا ہے

نقل مطابق اصل ہے — نام درخواست کنندہ: نور الامین ولد فضل امین — ہمراہ درخواست کنندہ: عاد حسن جاوید ولد نظیر حسین جاوید — کمپیوٹرائزڈ نقل دستخط کی ضرورت نہ ہے — فرد آئی ڈی: 0-00-00-127-00-00-00-0019643410

تحصیلدار میاں چنوں — قومی شناختی کارڈ نمبر: 1730113563239 — تاریخ درخواست: 21/06/2023 11:32:06 — تاریخ فراہمی: 21/06/2023 11:18:14 — فراہمی: 1,100 — نقل نویس: 19





21/06/2023 11:13:05

Scanned with CamScanner

سال 84-1351 | طرف اپیل عدد ۱ | تحصیل میاں چنوں | ضلع خانیوال | سال 2019-20 | ورق نمبر 20 / 51

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ / ملک	نمبر کھتونی / باشندگان	نام مالک معہ نام والد / ولدیت و قوم اور سکونت	کوائف مالک: تو جیت الحق مالک / راہن مرتہن	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص رقبہ مطابق حصہ	زرعی پاس بک نمبر	نام کاشتکار معہ احوال	نمبر خسرہ معہ نام اگر کوئی ہو	رقبہ و قسم زمین کھیت اور اس پر ان کھتونی کاشتکار و کھیوٹ مالک	وساکل آبپاشی معہ نام چاہ / نہر وغیرہ	کیفیان حق کاشتکار اگر کتابے شرح درج حساب	حساب معہ تفصیلات کتابہ و جواب	کیفیت معہ (۱) نام نمبر ولدیت اگر کوئی ہو (۲) شرح کتابہ / مثلے
50 مذکور	377 تا 408 مذکور												

نمبر انتقال 1294 حتم
انتقال مکفول مدعی جرح
فیصلہ 20/11/2008
منسوخ حکم امتناعی بعدالت
رائے اعجاز احمد سول جج میاں
چنوں منصب علی ولد غلام
بیام مسعود علی وغیرہ بحکم
امتناعی خارج ہو چکا ہے
حکم امتناعی بعدالت جناب
سول جج صاحب میاں چنوں
رپورٹ نمبر 231 مورخہ
16/12/2011 بدری
شد
نمبر انتقال 1745 حتم
انتقال بمک مکفول جرح فیصلہ
30/9/2011

نقل مطابق اصل ہے
فرد برائے ذاتی کاروبار

نام درخواست کنندہ: نور الامین ولد فضل امین
قوم: صدیقی
شناختی کارڈ نمبر: 1730113563239





ہم اجراء کنندہ: ذوالحسن جاوید ولد ظہیر حسین جاوید
تاریخ فرد و پرنٹنگ: 21/06/2023 11:32:06
تاریخ فرد اجراء: 21/06/2023 11:18.14

کمپیوٹرائزڈ نقل ۔ دستخط کی ضرورت نہ ہے۔
فرد فیس: 1.100
ٹوکن نمبر: 19

فرد آئی ڈی: 0-00-00-127-00-00-00-0019643410
دفاتر ریکارڈ سنٹر میاں چنوں

21/06/2023 11:13:06 تاریخ ٹوکن جاری

Scanned with CamScanner

نقل رجسٹر شجرہ ان زمین (سرکل میاں چنوں)

تحصیل میاں چنوں ضلع خانیوال سال 2019-20 کتاب نمبر ورق نمبر 51 / 27

حرف الف عدد

۱	۲	۳ (الف)	۳ (ب)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر ختونی	نام مالک	ولدیت مالک	کنال	مرلے	محصول آبیانہ سالانہ روپے	مالیہ سالانہ روپے	ہمسایگان حدود	نمبر حدود و رقبہ	آبپاشی و قسم، تعین کیفیت زمین	سال کل آبپاشی	کیفیت جوار بھاٹا	مطالبہ مالیہ تحصیلات	بقایہ مالیہ
50	377													
	3													
	409													
	2													

1884 مکمل ہو کر قابل
29/08/13
منسوخی حکم امتناعی بعدالت
جناب سہیل رفیق صاحب
سول جج میاں چنوں دعوی
حکم امتناعی دوائی میں دلدار
احمد ولد عبدالحفیظ بنام مسعود
علی ولد قاسم علی، گوہر علی
پسران محمد افضل مورخہ
06-12-2016 کو
خارج ہو چکا ہے۔
اجرا فرد برائے عدالت
مورخہ 11/12/202
1

نقل مطابق اصل ہے — ہمراہ گواہان کنندہ — ورثا لائسن ولد افضل ہسی

دستخط / انگوٹھا — دستخط / انگوٹھا — 1730113563239

نام — ولدیت — قوم — سکنہ

شناختی کارڈ نمبر



خاوند حسن جاوید ولد ظہور حسین جاوید — 21/06/2023 11:32:06

ہمراہ گواہ کنندہ — 21/06/2023 11:18:14

ہمراہ گواہ کنندہ

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔

فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

ادائیگی رجسٹر انسٹر میاں چنوں

فرد فیس 1,100

فیس ٹیکس 19

21/06/2023 11:12:16

Scanned with CamScanner

فارم RA-15L

طرف لیچ ۱۸۲

تحصیل میاں چنوں ضلع خانیوال سال 2019-20 ورق نمبر 91 / 2

۱	۲	۳ (الف)	۳ (ب)	۳ (ج)	۳ (د)	۳ (ہ)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ / ملک	نمبر کھتونی / جلیکہ	کاشتکار مع ولدیت قوم اور سکونت	کاشتکار کی حیثیت (مالک / راہن مرتہن)	کاشت کی گئی زمین کی تفصیل (حصہ)	مقدار حصہ جو زیر سابق ہے	زیر کاشت لایا گیا رقبہ	نام کاشتکار مع احوال	نمبر کھسرہ مع مدہ نہم (اگر کوئی ہو)	رقبہ، قسم زمین، کھیوٹ اور ملکان	کیفیت آبپاشی (نہری / بارانی / ٹیوب ویل / کنواں / ٹیوب ویل کا نمبر)	کیفیت مع تفصیلات (کاشت / بنجر / ناقابل کاشت)	کیفیت مع تشریح (کاشت / بنجر / ناقابل کاشت)	کیفیت مع تفصیلات (کاشت / بنجر / ناقابل کاشت)
50 مذکور	377 ۳ 408 مذکور												
							میزان کھیوٹ	قطعات 78	389-18-0 تین سو انہتر کنال اٹھارہ مرلے	قسم زمین غیر ممکن 2-0-0 غیر ممکن آبادی 14-15-0 غیر ممکن رات 2-16-0 غیر ممکن کمال 3-12-0 نہری 346-15-0			

نقل مطابق اصل ہے — نور الامین ولد افضل امین — 1730113563239

درخواست دہندہ — قوم صدیقی

نمبر ۱۰ — قومی شناختی کارڈ نمبر

نام مجاز دستخط کنندہ — محمد حسن بیوپاریہ والد غلام حسین چاچڑ

نام افسر مجاز — 21/08/2023 11.32.06

عہدہ افسر مجاز — 21/08/2023 11.18.14

فرد آئی ڈی 0-00-00-127-00-00-00-0018643410

نقل/اندراج/تصحیح/اخراج کی ضرورت نہیں ہے۔

مراسی ریکارڈ ماسٹر میاں چنوں

فرد فیس 1,100

نمبر شمار 19

21/08/2023 11.13.09 — تاریخ فرد

Scanned with CamScanner

ضلع خانیوال | تحصیل میاں چنوں | حلقہ [illegible] | ورق نمبر [illegible] | کتاب نمبر 2019-20 | سال

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر خسرہ	نام مالک، ولدیت، سکونت، ذات، قوم، مذہب	کیفیت مالک: مالکانہ حیثیت	حصہ جس پر مالکانہ حقوق حاصل ہیں	حصہ جس پر کاشت مشترکہ ہے	حصہ جس پر مالکانہ حقوق حاصل ہیں	زیر کاشت یا غیر	نام کاشتکار معہ ولدیت	نمبر خسرہ و رقبہ، قسم زمین، حدود	سال کاشت، نوعیت	کیفیت سند، نام منتقل کنندہ، ولدیت، سکونت	نام محصلات	کیفیت سند، نام منتقل کنندہ (اگر کوئی ہو)، ولدیت، سکونت
69	589 تا 613	بنک سیم کے ذخیرہ سلہ (پراجیکٹ) لمیٹڈ بنام (ب) قرض دار کا نام و ولدیت بانی و ستور	بنک	13587/24485 13587/24485 10898/24485 13587/24485	679-7-0 679-7-0 679-7-0		باقی بستور	قطعات 160	سالم کھاتہ 1224-5-0 ایک ہزار دو سو چوبیس کنال پانچ مرلہ				

نقل منتقل شدہ | نام منتقل کنندہ | نور الامین ولد فضل امین | 1730113503239

نقل منتقل شدہ | نام منتقل کنندہ | عماد حسن جاوید ولد ظہور حسین جاوید | 21/06/2023 11:32:00 | 21/06/2023 11:18:14



فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

کمپیوٹرائزڈ نقل، حلف کی ضرورت نہیں

مواضع، پٹوار حلقہ میاں چنوں

فیس 1,100

تعداد صفحات 19

Scanned with CamScanner

سال 19-15L | طرف ریچ ۸۸۰ | تحصیل | ضلع | سال 2019-20 | مورخہ | نمبر

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۳	۴	۵	۶	۷	۸	۹	۱۰
نمبر گھسوٹی مالک	نمبر کھتونی کاشتکار	کوائف مالک: نام مالک معہ نام والد/خاوند قوم اور سکونت	کیفیت حقوق مالک رائجن مرتبہ	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص رقبہ مطابق حصہ	زرعی یا غیر زرعی	نمبر شمار معہ اجزاء	کاشتکار معہ اجزاء	رقبہ قسم زمین کھیت وغیرہ	ذرائع آبپاشی	کیفیت آبپاشی	کیفیت مواضعات	کیفیت
69 مذکور	589 تا 613 مذکور								ملک					

نقل مطابق اصل ہے — نور الامین ولد فضل امین — 1730113563239

نور الامین ولد فضل امین — قوم صدیقی — شناختی کارڈ نمبر

ہاہم درخواست کنندہ

ہاہم اجراء کنندہ — وقار حسن جاوید ولد تنویر حسین جاوید — کمپیوٹر ڈرائر کا عکس۔ دستخطی سرورت نہ ہے۔

ہارڈ کاپی پر مالک — 21/06/2023 11:32:06 — ۱۸ ضلعی ریکارڈ دفتر — موکہ بیگوں

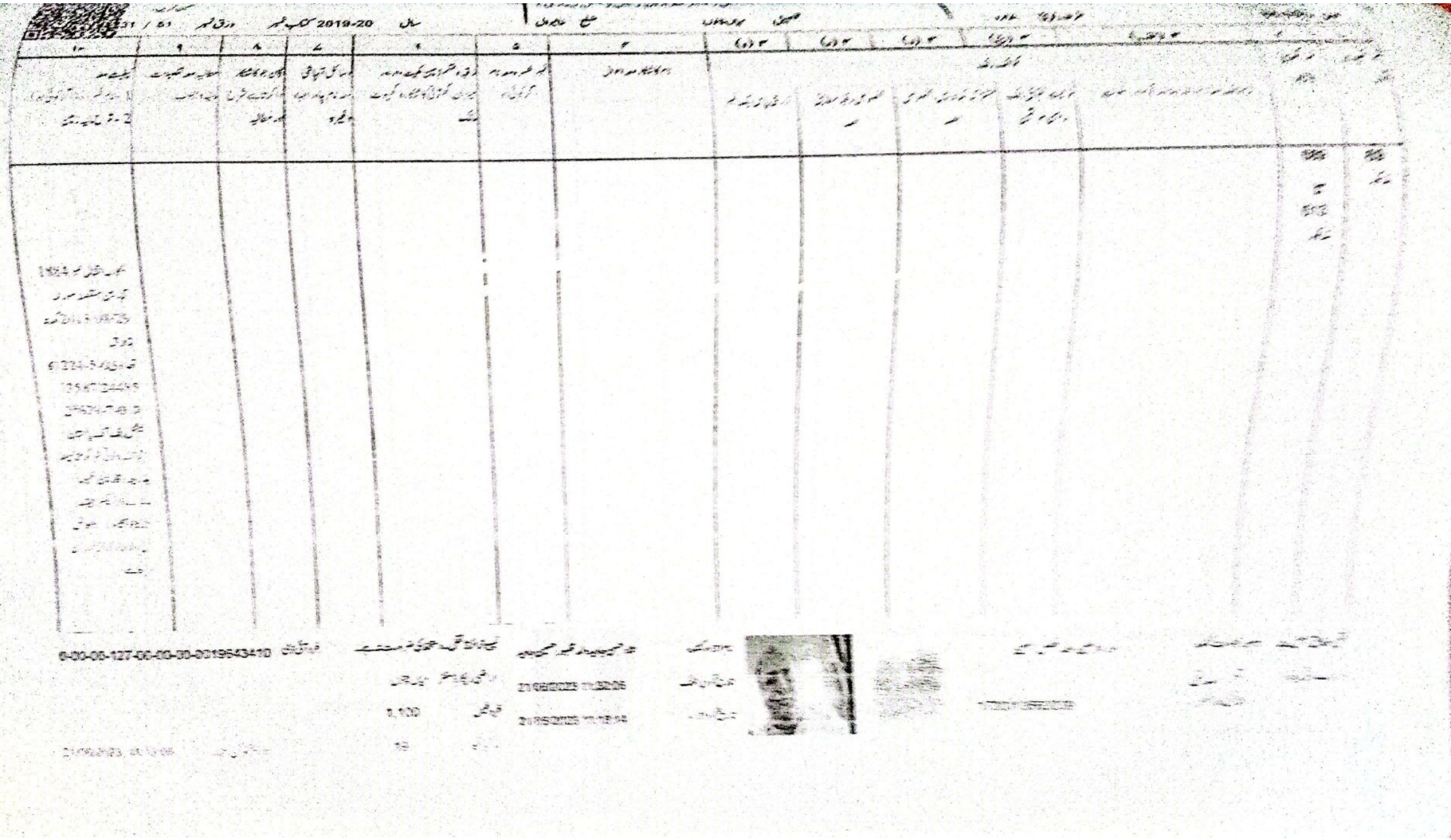
ہارڈ کاپی ڈرائر — 21/06/2023 11:18:14 — فروخیس — 1,100

نوکن نمبر — 19

فرد آئی ڈی 0-00000-127700-00000-0019943410

ہارڈ کاپی پر مالک 21/06/2023 11:13:58

Scanned with CamScanner



۱	۲	۳ (الف)	۳ (ب)	۳ (ج)	۳ (د)	۳ (ہ)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر خسرہ	کوائف مالک											
		ولدیت شوہر یا والد نام مکمل	ولدیت/شوہر/والد نام مکمل	کل رقبہ ملکیت	کل رقبہ زیر کاشت	کل رقبہ زیر آبپاشی							
				ایکڑ	ایکڑ	ایکڑ							
69 مذکور	589 تا 613 مذکور												

نقل مطابق اصل ہے

فرد برائے دائی ریکارڈ

نام درخواست کنندہ: نورالامین ولد فضل امین

قوم: صدیقی

شناختی کارڈ نمبر: 1730113563239

نام اجراء کنندہ: محمد حسن جاوید ولد ظہور حسین جاوید

تاریخ فرد اجراء: 21/06/2023 11:18:14

تاریخ فرد اجراء: 21/06/2023 11:32:06

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔

ادارہ ریکارڈ سنٹر: میاں چنوں

فرد فیس: 1,100

ٹوکن نمبر: 19

تاریخ ٹوکن اجراء: 21/06/2023 11:13:06

فرد آئی ڈی: 0-00-00-127-00-00-00-0019643410

Scanned with CamScanner

ضلع چکوال تحصیل میانوالی ... سال 2019-20 کتاب نمبر ورق نمبر 33 / 51

۱ نمبر کھیوٹ مالک	۲ نمبر کھتونی کاشتکار	۳ (الف) نام مالک معہ ولدیت یا اولاد قوم اور سکونت	۳ (ب) کیفیت حقوق مالک راہن مرتہن	۳ (ج) مشترکہ کھاتہ میں مخصوص حصہ	۳ (د) مخصوص رقبہ مطابق حصہ	۳ (ہ) زرعی پاس بک نمبر	۴ نام کاشتکار معہ احوال	۵ نمبر خسرہ معہ نام اگر کوئی ہو	۶ رقبہ و قسم زمین کھیوٹ وار اور میزان کھتونی کاشتکار و کھیوٹ مالک	۷ ذرائع آبپاشی معہ نام چاہ اجارہ وغیرہ	۸ لگان جو کاشتکار ادا کرتا ہے شرح اور مطالبہ	۹ مطالبہ معہ تفصیلات مالیہ و حبوب	۱۰ کیفیت معہ نام نمبردار (اگر کوئی ہو) 2 - شرح مالیہ زمین
69 مذکور	589 تا 613 مذکور												حوالہ انتقال نمبر 2119 [illegible] 21.10.2017 [illegible] 1224-5-0 13587/24485 679-7-0 [illegible] 500000 [illegible]





نقل مطابق اصل ہے [illegible] نام درخواست کنندہ نور الامین ولد فضل امین 1730113563239

نام اجراء کنندہ عمار حسن جاوید ولد ظہور حسین جاوید
تاریخ فرد پرنٹنگ 21/06/2023 11:32:06
تاریخ فرد اجراء 21/06/2023 11:18:14

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔
اراضی ریکارڈ سنٹر میانوالی
فرد فیس 1.100
[illegible] نمبر 19

فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

[illegible] 21/06/2023 11:13:06

جمال 84-15L | طرف ایق ۸۸۰ | تحصیل میاں چنوں | ضلع خانیوال | سال 2019-20 | ۵۱ / ۵۱ | ۵۱ / ۵۱

۱	۲	۳ (الف)	۳ (ب)	۳ (ج)	۳ (د)	۳ (ہ)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر مختونی	کوائف مالک											
		نام مالک ولد/زوجہ/ولد/ولد نمبر شمار	نوعیت حقوق مالک	حقوق کی تعداد میں کسور	کسور میں حقوق								
69 نمبر	589 ج 613 نمبر												

نقشہ سابق اصل ہے — نام درخواست کنندہ: نور الامین ولد فضل امین — 1730113563239

نمبر والے ذاتی دیہاد — قوم: سید شمی — فاضی کا دانہ

نقشہ لف ہے — نام: غلام حسن جاوید ولد غلام حسین جاوید

دستخط درخواست کنندہ — تاریخ دستخط: 21/06/2023 11:32:06

دستخط تحصیلدار — تاریخ دستخط: 21/06/2023 11:18:14





نقشہ نمبر ای آئی ای 0-00-00-127-00-00-00-0019643410

نقشہ فرد کا نقشہ دکھائی گئی درست ہے

فرد فیس: 1,100

دستخط تحصیلدار: میاں چنوں

دستخط نمبر: 19

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ورق نمبر 35 / 51 کتاب نمبر 2019-20 سال ضلع خانیوال تحصیل میاں چنوں

۱۰	۹	۸	۷	۶	۵	۴	۳ (ہ)	۳ (د)	۳ (ج)	۳ (ب)	۳ (الف)	۲	۱
کیفیت مع ۱- نام نمبردار (اگر کوئی ہو) ۲- شرح مالیہ زمین	مطالبہ مع تفصیلات	لگان جو کاشتکار ادا کرتا ہے شرح اور مطالبہ	وسائل آبپاشی مع نمبر چاہ وغیرہ	رقبہ و قسم زمین کھیت وار و اور نمبر کشتی کاشتکار کھیت مالک	نمبر خسرہ مع نمبر اگر کوئی ہو	نام کاشتکار مع احوال	زرعی پاس بک نمبر	حصہ جس پر رقبہ مطابق حصہ	کل حصہ میں حصہ	شرح حصہ کشمیت مالک مالکان مع تعین	نام مالک مع احوال و دیگر احوال و حقوق	نمبر کھتونی	نمبر کھیوٹ
بحوالہ انتقال نمبر 2140 تصدیق شدہ مورخہ 02/02/2018 بذریعہ رقبہ تعدادی 224-5-0 ... 44/24485 ... 2-4-0 ...												569	69
												513	

فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

کمپیوٹرائزڈ نقل، دستخط کی ضرورت نہ ہے

اراضی ریکارڈ سنٹر میاں چنوں

فرد فیس 1,100

کاؤنٹر نمبر 19

نام درخواست کنندہ محمد حسن جاوید ولد ظہور حسین جاوید

تاریخ اجراء فرد 21/06/2023 11:32:06

تاریخ فرد 21/06/2023 11:18:14





1730113563239

21/06/2023 11:13:06

حال 84-15L | طرف ربح | عدد | تحصیل میاں چنوں | ضلع خانیوال | سال 2019-20 | مورخہ | نمبر

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ر)	۳ (ز)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار مالک	نمبر کھتونی یا خانہ	کوائف مالک: نام مالک مع نام والد/خاوند، قوم اور سکونت	کوائف مالک: حیثیت حقوق مالک راہن مرتہن	کوائف مالک: مشترکہ کھاتہ میں مخصوص حصہ	کوائف مالک: مخصوص رقبہ کا حصہ	کوائف مالک: زرعی یا غیر زرعی	نام کاشتکار مع والد/خاوند	نمبر خسرہ وغیرہ نام آبادی یا گاؤں	قسم رقبہ وغیرہ زمین کیت وار/مشترکہ/غیر منقسم یا کاشتکار مع کیفیت	کیفیت مع نمبر خسرہ وغیرہ	کیفیت مع نمبر شمار	کیفیت مع نمبر شمار	کیفیت مع نمبر شمار
69 مذکور	589 تا 613 مذکور												

21805-[illegible]
کمپیوٹرائزڈ نقل مستند سرکاری
مورخہ 29/05/2018
بذریعہ ٹوکن
61224-5-0
0729/659920
291-4-201[illegible]
بمنظوری نوٹ
بحوالہ 28/IDR
[illegible]
[illegible]
[illegible]
[illegible]

نقل مطابق اصل ہے — نام درخواست کنندہ: نور الامین ولد فضل امین — 1730113563239

فرد برائے زرعی مقاصد — قوم: سید جتی — شناختی کارڈ نمبر

نام اجراء کنندہ: غلام حسن جاوید ولد ظہور حسین جاوید

جاری کردہ پرنٹنگ: 21/06/2023 11:32:06

تاریخ اجراء: 21/06/2023 11:18:14

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔

فرد آئی ڈی: 0-00-00-127-00-00-00-0019643410

اراضی ریکارڈ سنٹر میاں چنوں

فرد فیس: 1,100

ٹوکن نمبر: 10

تاریخ ٹوکن اجراء: 21/06/2023 11:13:08

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سال 2019-20 کتاب نمبر ورق نمبر 51 تا 137

تحصیل سیوں پاؤں ضلع خانیوال

۱	۲	۳ (ا)	۳ (ب)	۳ (ج)	۳ (د)	۳ (ہ)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر شمار	نام خاندان مع نام ولدیت یا شوہر	ولدیت خاوند یا شوہر	سکونت کوارٹر نمبر یا مکان نمبر	قسم مکان، رقبہ حصاتی	مالی سال ایک نمبر	ہمسایہ کا شناختی سے اصول	نمبر شمار و مہم اگر کوئی ہو	قرقہ و شمولیت کھیت اور ہار بیرس گھسوٹی وا نکاہ و کھیوٹ	کیفیت کا شناختی اور مقابلہ	کیفیت مد 1۔ مہم لمبردار (اگر کوئی ہو) 2۔ شرح تاپیہ وصولی	مقابلہ مد تصدیقات	
۱	۱												

بجواب شمل نمبر 2283
بک آڈر بیس مطلوبہ مورخہ 26/11/2019
تاریخ تعمیر
81224-54-0
3542/24395
27-2-0 مجاب محمد اسلم
ولد غلام محمد قوم بھٹی
بک آف پاکستان بجواس
مبلغ 175200 روپے
کہ بیان درست ہے

تصدیق شمل ہے — اجازت کیے — نور الامین ولد فضل امین

1730113563239

ہم احمد کیے — محمد حسن وارث ولد شبیر حسین جواہر

21/06/2023 11:32:06

21/06/2023 11:18:14

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔

فروفیس 1,100

ٹوکن نمبر 19

فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

21/06/2023 11:13:08

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سال 89-15ء | طرف ایچ عدد | تحصیل سیالکوٹ | ضلع سیالکوٹ | سال 2019-20ء | مورخہ

۱	۲	۳ (الف)	۳ (ج)	۳ (ب)	۳ (ی)	۴	۵	۶	۷	۸	۹	۱۰
نمبر گھوشوارہ	نمبر گھوشوارہ	کوائف مالک				ہمراہ مشتمل موضع/محل	نمبر خسرہ وغیرہ	قسم و قسم زمین/جائیداد	ہمراہ کاشتکار	ہمراہ	ہمراہ	ملکیت سے
		نام مالک مع ولد/شوہر/ولد قوم و سکونت	ولدیت/حقوق مالک زن/من مرتھن	حیثیت کے علاوہ میں مخصوص حصہ	مخصوص رقبہ مطابق حصہ	زرعی پاس بک نمبر	آبرو/ماہی	ملکیت/غیر ملکیت	موجود/نہیں	موجود/نہیں	ملکیت/غیر ملکیت	
69	589											
مذکور	۳											
	613											
	مذکور											

اصل سلطانی اصل ہے | ہمراہ عدالت کنندہ | نورالہ میں ولد فضل دین

نمبر 17301113663239





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۱	۲	۳ (الف)	۳ (ب)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	خسرہ نمبر	مالک مع ولدیت سکونت	ولدیت مالک	حصہ مالکانہ	حصہ مورثی	حصہ قابل انتقال	...	...	نوعیت قبضہ	...	...	...	...	...
69	589													
ذکور	۳													
	613													
	ذکور													





1730113560239

محمد حسن جاوید ولد ظہیر حسین جاوید

21/06/2023 11:32:06

21/06/2023 11:18:14

0-00-00-127-00-00-00-0019643410

1.100

19

21/06/2023 11:19:00

Scanned with CamScanner

نمبر شمار	خسرہ نمبر	کیفیت	رقبہ زیر کاشت	رقبہ قابل کاشت	رقبہ نہری	رقبہ بارانی	رقبہ بنجر	رقبہ ناقابل کاشت
69	589	مذکور						
	613	مذکور						





نور الامین ولد فضل امین

1730113563239

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اصل رجسٹر حقداران زمین (فصل بیعاری)

سال 2019-20 کتاب نمبر 41 / 51 ورق نمبر

تحصیل میاں چنوں ضلع خانیوال

طرف الف عدد

۱	۲	۳ (الف)	۳ (ب)	۳ (ج)	۳ (د)	۳ (ر)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر خسرہ	حقداران زمین کے نام ولدیت و سکونت	حصہ جس پر فصل بیعاری کاشت کی گئی ہو	حصہ جس پر فصل بیعاری کاشت نہیں کی گئی	حصہ جس پر مشترکہ کاشت کی گئی ہو	حصہ جس پر مشترکہ کاشت نہیں کی گئی ہو	نام کاشتکار معہ احوال	نمبر شمار معہ معہ نمبر آکر کوڈ نمبر	قسم و قسم زمین کھیت وار اور ایریاں کمرشل و ٹیوب ویل کھیوٹ بانک	کیا کاشتکار نے آبپاشی معہ نام چاہ یا ذریعہ وغیرہ	کیا کاشتکار نے شرح اور مطالب	مطالب معہ تفصیلات مالیہ و ٹیوب	کیفیت معہ 1 ۔ معہ نمبر و (اگر کوئی ہو) 2 ۔ شرح مالیہ زمین
۱	۵۶۹												

آج کی تاریخ
20/04/2023
دستخط جنرل
دستخط محمد [illegible] صاحب
حوالہ نمبر و تاریخ
[illegible]
فصل کی [illegible]
[illegible]
مورخہ 01/09/2021
[illegible]
[illegible]

نام اپلوڈ کنندہ: فواد حسن جاوید ولد ظہور حسین جاوید
21/06/2023 11:32:06
21/06/2023 11:18:14

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہیں ہے۔
براشی ریکارڈ آفیسر میاں چنوں
فرد فیس 1,100
19

فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

نام اپلوڈ کنندہ
[illegible]
تاریخ و وقت

[illegible] 17301139663239

[illegible]

21/06/2023 11:13:09

Scanned with CamScanner

جمال 84-ISL

طرف ارچی عدد

تحصیل میاں چنوں

ضلع خانیوال

سال 2010-20 کتاب نمبر ورق نمبر 51 / 92

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر گنتی مکان	نمبر گنتی خانہ	کوائف مالک: نام مالک و نام والد / خاوند / قوم اور سکونت	حیثیت حقوق مالک (مالک مرتہن)	مطلوبہ کرایت میں حصہ	کتنوں میں رقبہ مطابق حصہ	زرعی یا ان کا نمبر	نام کاشتکار و مدت اجارہ	نمبر خسرہ و مدہ پیمائش اگر کوئی ہو	رقبہ، قسم اراضی کھیت / مکان	برائے مالیہ کھیت / مکان	برائے حقوق آبیانہ	برائے مالیہ	حیثیت مد
69 مذکور	589 تا 613 مذکور						میزان کھیوٹ	متفرقات	1224-5-0	قسم زمین			

نقل مطابق اصل ہے — نام درخواست کنندہ: نور الامین ولد فضل امین

ولد برائے ذاتی ریکارڈ — قوم صدیقی

شناختی کارڈ نمبر 1730113563239

نام ۱۲۱ کنندہ

ہمراہ گواہ ۲ نمبر

ہمراہ گواہ ۳ نمبر

ولد حسن جاوید ولد غلام حسین جاوید

21/06/2023 11:32:09

21/06/2023 11:18:14

لیٹر ٹو ہرا تھ ۔ استعمال کی ضرورت ہے۔

روانگی ریکارڈ دفتر میاں چنوں

روانگی نمبر 1190

ڈاک نمبر 19

فرد آئی ڈی 3490-1961227-09-00-03-3501694-3410

21/06/2023 11:17:56

Scanned with CamScanner

۱	۲	۳	۴	۵	۶	۷	۸	۹	۱۰
۶۹	583			160	ایک ہزار دو سو چوبیس کنال پانچ مرلہ	غیر ممکن آبادی 3-19-0 غیر ممکن پٹرول پمپ 2-4-0 غیر ممکن راستہ 2-16-0 غیر ممکن کالونی شوگر مل 519-11-0 تل چاہی 56-0-0 تل نہر			

۳۰
613

0-00-00-127-00-00-00-0019643410 فرد آئی ڈی

محمد حسن جاوید ولد نظیر حسین جاوید — 21/06/2023 11:32:06 — 21/06/2023 11:15:14

1730139693239

1,100 — 19

Scanned with CamScanner

موضع 84-15L طرف/پتی نمبر ١ حصیل میاں چنوں ضلع خانیوال سال 2019-20 کتاب نمبر ۱ ورق نمبر ۵۲ / ۵۲

۱ نمبر کھیوٹ	۲ نمبر کھتونی	۳ (الف) نام مالک معہ نام ولدیت ذات قوم اور سکونت	۳ (ج) نوعیت حقوق مالک راہن مرتہن	۳ (د) مشترکہ کھاتہ میں مخصوص حصہ	۳ (ہ) مخصوص رقبہ مطابق حصہ	۳ (و) زرعی پاس بک نمبر	۴ نام کاشتکار معہ احوال	۵ نمبر خسرہ معہ نام	۶ رقبہ و قسم زمین کھیت وار	۷ وسائل آبپاشی معہ نام چاہ وغیرہ	۸ لگان جو کاشتکار	۹ مطالبہ معہ تفصیلات	۱۰ کیفیت معہ
69 مذکور	589 تا 613 مذکور									8-0-0 کل نمبری 631-15-0			

نقل مطابق اصل ہے۔ نام درخواست کنندہ نور الامین ولد فضل امین

فرد برائے ذاتی ریکارڈ قوم صدیقی

شناختی کارڈ نمبر 1730113563239





نام اجراء کنندہ محمد حسن جاوید ولد ظہور حسین جاوید

تاریخ فرد پرنٹنگ 21/06/2023 11:32:06

تاریخ فرد اجراء 21/06/2023 11:18:14

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔

اراضی ریکارڈ سنٹر میاں چنوں

فرد فیس 1,100

ٹوکن نمبر 19

فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

تاریخ ٹوکن اجراء 21/06/2023 11:13:08

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سال 2019-20 کتاب نمبر ورق نمبر 5 / 51

تحصیل میاں چنوں ضلع خانیوال

حرف ریکارڈ ۸۸۵

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۳ (ز)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر کھتونی	نام مالک معہ نام والد/خاوند و قومیت سکونت	ثبوت حق مالک رہائن عرتھن	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص رقبہ مطابق حصہ	زرعی پاس بک نمبر	نام کاشتکار معہ احوال	نمبر شمار و معہ نام آنریری ہو	رقبہ و قسم زمین کیفیت دار و بیزان گھتونی کاشتکار و گھیوٹ مالک	وسائل آبپاشی معہ نام چاہ و انجن وغیرہ	مکان جو کاشتکار اور مطالبہ	مطالبہ معہ تفصیلات بابت واجبات	کیفیت معہ 1 - نام نمبر ورثاء (اگر کوئی ہو) 2 - شرح مالیہ وزمین
86	720 تا 721	ہے کے متوکر ملز (پرائیویٹ) لمیٹڈ ساندیہ	مالک	397/400	99-5-0		باقی بدستور	تفعات 16	سالم کھاتہ 100-0-0 ایک سو کنال					بحوالہ انتقال نمبر 1884 تحریر من منتقلہ سورجہ 2013/08/29 ہوا تھا تعداد 100-0-0 ایکڑ 397/400 99-5-0 حق مخالل بنک اف پاکستان صوبہ کوئٹہ 8 کنال مرلہ بحد ہوا ہے چیف ایگزیکٹو آفیسر بطور ضمانت 500000 تحریر کی ہوچکا ہے
84		باقی بدستور		3/400 397/400	99-5-0									

نقل مطابق اصل ہے — نام درخواست کنندہ — نور ام مین ولد فضل امین — 1730113563239

دستخط پٹواری حلقہ — نمبر سی این آئی کارڈ

تاریخ دستخط

نام اجراء کنندہ محمد حسن جاوید ولد ظہور حسین جاوید

عہدہ اجراء کنندہ حدود قانون گو بنک

تاریخ اجراء 21/06/2023 11:32:06

21/06/2023 11:18:14



فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

کمپیوٹرائزڈ نقل ۔ دستخط کی ضرورت نہ ہے۔

ادائیگی ریکارڈ آفس میاں چنوں

فرد فیس 1,100

رسید نمبر 19

21/06/2023 11:13:06

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۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ه)	۳ (و)	۳	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ / ملک	نمبر کھتونی / باشندہ	کوائف مالک: نام مالک معہ نام والد / خاوند قوم اور سکونت	نوعیت حقوق مالک / راہن مرتہن	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص رقبہ مطابق حصہ	زرعی پاس بک نمبر	نام کاشتکار معہ احوال	نمبر شمار و معہ نام (اگر کوئی ہو)	رقبہ و قسم زمین کھیت وار اور کیفیت حقوق و ملکیت / کھیت ملک	سائل آبپاشی معہ تفصیل / وغیرہ	کیفیت معہ کاشتکار / شرح مطابق	بقایہ معہ تفصیلات	کیفیت معہ ۱۔ نام بینک و برانچ (اگر کوئی ہو) ۲۔ شرح نما / سالانہ
86 مذکور	720 ت 721 مذکور												

نقل مطابق اصل ہے
فرد برائے ذاتی رجسٹر

نام درخواست کنندہ: نور الامین ولد فضل امین
قوم: سید جنجی
سکنہ: خانقی کوڑا نلہر

1730113563239

نام جرم کنندہ: خاوند حسن جاوید ولد ظہور حسین جاوید
جرم: فرد ملک
جرم فرد: 21/06/2023 11:18:14

21/06/2023 11:32:06

کیس فرد / نقل و تلاشی کی ضرورت ہے۔
واسطے ریکارڈ / مسٹر
فیس: 1,100
ڈاکٹ فیس: 19

فرد آئی ڈی: 0-00-00-127-00-00-00-0019643410

21/06/2023 11:33:06

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نقل رجسٹر حقداران زمین (جمعبندی)

ورق نمبر 47 / 51 — کتاب نمبر — سال 2019-20 — ضلع میانوالی — تحصیل میانوالی — موضع [illegible] — حد بست نمبر [illegible]

۱۰	۹	۸	۷	۶	۵	۴	۳ (ہ)	۳ (د)	۳ (ج)	۳ (ب)	۳ (الف)	۲	۱
کیفیت مع 1- [illegible] 2- [illegible]	مطالبہ مع آبیانہ [illegible]	لگان جو کاشتکار [illegible]	ذرائع آبپاشی [illegible]	رقبہ و قسم زمین [illegible]	نمبر خسرہ [illegible]	نام کاشتکار مع احوال	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	نمبر کھتونی	نمبر کھیوٹ
2125 [illegible] [illegible] 08/11/2017 [illegible] 100-0-0 [illegible] 4,397,300 MCB [illegible] [illegible] [illegible] 1884 [illegible] 29/08/13												720 تا 721	86
			قسم زمین	100-0-0	[illegible]	میزان کھیوٹ							

0-00-00-127-00-00-00-0019643410 [illegible]

[illegible] — 21/06/2023 11:32:06 — 21/06/2023 11:18:14

1,100

19

21/06/2023 11:13:06



1730113563239

86 مذکور	720 تا 721 مذکور							16	ایک سوکنال	غیر ممکن بستی 1-19-0 غیر ممکن راستہ 1-16-0 کل نمبری 96-5-0		

نقل مطابق اصل ہے نام درخواست کنندہ نورالامین ولد فضل امین

فرد برائے ذاتی ریکارڈ قوم صدیقی

شناختی کارڈ نمبر 1730113563239





نام جاری کنندہ ۔۔ حسین جاوید ولد ظہور حسین جاوید

تاریخ اجراء ۔۔ 21/06/2023 11:32:06

تاریخ درخواست 21/06/2023 11:18:14

یہ فرد ذاتی معلومات کیلئے ہے ۔۔۔

اراضی ریکارڈ سنٹر ۔۔۔

فرد فیس 1,100

ٹوکن نمبر 10

آر آئی ڈی 0-56-06-127-00-00-00-0016643410

تاریخ ۔۔۔ 21/06/2023 11:13:06

نقل برائے حقداران (مثل ہیجادی)

ورق/ج عدد

سال 2019-20 کتاب نمبر ورق نمبر 51 / 49

تحصیل میاں چنوں ضلع خانیوال

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر حصص	نوعیت حق ملکیت	نوعیت حق				نام کاشتکار معہ ولدیت	نمبر خسرہ ومعہ نام آبادی مع	قسم، قسم زمین کھیت وغیرہ اور میزان کھتونی کاشتکار و کھیت مالک	کیفیت آبپاشی معہ نام چوہدراہٹ وغیرہ	کیفیت معہ کاشتکار اور مطالبہ	مطالبہ معہ تفصیلات واجب الادا	کیفیت معہ (1 - نام نمبر (زرعی کمرشل وغیرہ) 2 - شرح فی ایکڑ زمین

نمبر گھمیٹ	مرلہ نمبر	خسرہ نمبرون	خسرہ ویلیویشن	پیمائش	جگہ
106	1	1, 10, 13/2, 14, 15, 2, 26/1, 3/1, 3/2, 4, 5, 6, 7, 8/1, 8/2, 9	1,099,170	فی ایکڑ	آف روڈ
49	17	1/2, 2, 27, 3, 8, 9/1	1,099,170	فی ایکڑ	آف روڈ
50	11	1/1, 1/2, 10/1, 10/2, 11/1, 11/2, 12/1, 12/2, 13/1, 13/2, 13/3, 13/4, 14/1, 14/2, 17/1, 17/2, 18/1, 18/2, 19/1, 19/2, 2, 20/1, 20/2, 21, 22/1, 22/2 23/1, 23/2, 24/1, 24/2, 24/3, 26, 3, 4, 5, 6/1, 6/2, 7/1, 7/2, 8/1, 8/2, 9/1, 9/2, 9/3, 9/4	1,099,170	فی ایکڑ	آف روڈ
50	11	15/1, 15/2, 16/1, 16/2, 25	1,978,520	فی ایکڑ	لنک روڈ
50	12	1, 10, 14, 15, 16, 17, 18, 2, 22, 23, 24, 25, 26, 27, 3, 5, 6, 9	1,099,170	فی ایکڑ	آف روڈ
50	12	11, 12, 13/1, 13/2, 19, 20, 21, 4, 7, 8	1,978,520	فی ایکڑ	لنک روڈ
69	10	16, 17, 18, 19, 23, 24, 25	1,099,170	فی ایکڑ	آف روڈ

نقل مطابق اصل ہے

نام درخواست کنندہ

نام ولدیت

شناختی کارڈ نمبر

17301135632339

نام اجراء کنندہ عمار حسن جاوید ولد تنویر حسین جاوید

تاریخ فراہمی برائے نقل 21/06/2023 11:32:06

تاریخ اجراء 21/06/2023 11:13:14

کمپیوٹرائزڈ نقل ۔ دستخط کی ضرورت نہ ہے۔

فرد آئی ڈی 0-00-00-127-00-00-00-0019643410

۱۸ اشی ریکارڈ آفس میاں چنوں

فرد نمبر 1,100

نوٹس نمبر 19

تاریخ اجراء 21/06/2023 11:13:14

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۱	۲	۳ (الف)	۳ (ب)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹
نمبر کھیوٹ	نمبر کھتونی	گواہان مالک						نام کاشتکار، مع احوال	نمبر خسرہ، مع حدود اگر کوئی ہو	رقبہ جو حسب زمین کھیوٹ/کھتونی واقع ہے	کیفیت مع تفصیلات	کیفیت مع تفصیلات	کیفیت مع تفصیلات
		نام مالک مع نام والد، سکونت	کیفیت حقوق مالک	کاشتکار کے کنایہ میں مخصوص	مخصوص رقبہ مطابق	زرعی پاس بک نمبر							
			راہن مرتہن	حصہ	حصہ								

نمبر کھیوٹ	مربع نمبر	خسرہ نمبران	خسرہ ویلیشن	کیفیت	جگہ
69	2	1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 2, 20, 21, 22, 23, 24, 25, 3, 4, 5, 6, 7, 8, 9	1,981,980	فی کنال	مین روڈ
69	3	1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 2, 20, 21, 22, 23, 24, 25, 3, 4, 5, 6, 7, 8, 9	1,099,170	فی ایکڑ	آف روڈ
69	4	1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 2, 20, 21, 22, 23, 24, 25, 26, 3, 4, 5, 6, 7, 8, 9	1,099,170	فی ایکڑ	آف روڈ
69	5	1, 10, 11, 12, 14, 15, 16, 17, 18, 2, 20/1, 20/2, 22, 23, 24, 25, 26, 3, 4, 8, 9	1,099,170	فی ایکڑ	آف روڈ
69	5	13, 19, 21, 6, 7	1,978,520	فی ایکڑ	لنک روڈ
69	5	5	2,638,020	فی ایکڑ	مین روڈ
69	8	1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 2, 20, 21, 22, 23, 24, 25, 3, 4, 5, 6, 7, 8, 9	1,099,170	فی ایکڑ	آف روڈ
69	9	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 6, 7, 8, 9	1,099,170	فی ایکڑ	آف روڈ

نقل مطابق اصل ہے

نام درخواست کنندہ: نورالامین ولد فضل امین

فرد برائے ذاتی ریکارڈ

قوم: صدیقی

شناختی کارڈ نمبر: 1730113563239





نام اجراء کنندہ: محمد حسن جاوید ولد ظہیر حسین جاوید

محمد آفتاب خٹک

محمد نثار احمد

21/06/2023 11:32:06

21/06/2023 11:18:14

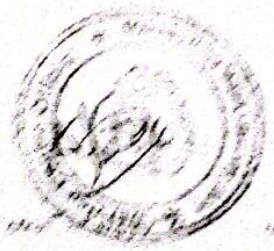
کمپیوٹرائزڈ نقل۔ دستخطی ضرورت نہ ہے۔

فرد فیس: 1,100

ٹوکن نمبر: 19

فرد آئی ڈی: 0-00-00-127-00-00-00-0019643410

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ANNEX-III

Certificate of Incorporation

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A028795

SECURITIES AND EXCHANGE COMMISSION OF PAKISTAN

COMPANY REGISTRATION OFFICE,
LAHORE

CERTIFICATE OF INCORPORATION

[Under section 32 of the Companies Ordinance, 1984 (XLVII of 1984)]

Corporate Universal Identification No. 0107392

I hereby certify that JK SUGAR MILLS (PRIVATE) LIMITED is this day incorporated under the Companies Ordinance, 1984 (XLVII of 1984), and that the company is limited by shares.

Given under my hand at Lahore this Thirteenth day of April, Two Thousand and Seventeen.

Incorporation fee Rs. 60500.0/= only

SECP

(SABOOHI ISRAR)
Deputy Registrar
Lahore

NO.ARL 26484

Date. 13/4/2017

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ANNEX-IV

Regularisation Letter from Industries Department

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DIRECTORATE GENERAL OF INDUSTRIES,
PRICES, WEIGHTS & MEASURES, PUNJAB
POONCH HOUSE, MULTAN ROAD, LAHORE.

Dated Lahore the 21st December, 2022

ORDER

No. PPS/J.K/S.M/2022: **WHEREAS**, the Director General Industries, Prices, Weights and Measures Punjab constituted four joint inspection/survey Committee vide order dated 23.07.2020 to carry out fresh inspection/survey of all Sugar Mills in order to determine their sanctioned capacities, existing capacities and actual installed capacities.

2. **AND WHEREAS** on the basis of inspection report a Show Cause notice dated 23.10.2020 was served upon JK Sugar Mills (Pvt.) Limited by the then Director General IPWM Punjab stating therein that the said Sugar Mills enhanced its crushing capacity from 3880 TCD to 7756 TCD during ban period without seeking prior permission of the Competent Authority and further directed to submit reply regarding violation within ten days along with documentary evidence to vindicate their position, otherwise the matter may be decided on the basis of available record of this office. Several hearings were conducted in order to arrive any just conclusion but the matter remained pending due to non-production of supporting documents as well as non-availability of the counsel of the said Sugar Mills for a long span of time.

3. **AND WHEREAS**, it would be appropriate to discuss that Industries (including sugar industry) in the Province are regulated under the Punjab Industries (Control on Establishment and Enlargement) Ordinance, 1963. Section 3 of the Ordinance ibid articulates that no person shall establish or cause to be established any industrial undertaking or enlarge or cause to be enlarged any existing industrial undertaking except with the previous permission in writing of Government. Section-11 of the Ordinance ibid also empowers the Government to grant exemption to any industry or class of industry from all or any of the provisions of the Ordinance or the rules framed thereunder. For administration of the Ordinance ibid, the Punjab Government issued various notifications from 12-10-1986 to 30-09-2002 relaxing ban on establishment for various Districts from time to time termed as (Industrial Location Policy)

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7. **AND WHEREAS,** in pursuance of the amendment in section-11 of the Ordinance ibid, M/s. JK Sugar Mills (Pvt.) Limited submitted an application dated 28-11-2022 for regularization of their illegal enhanced crushing capacity upto 20000 TCD. The subject application was placed before the Convener of the Committee held on 05.12.2022. As per decision, the application in hand was forwarded to the Technical Sub-Committee for scrutiny, evaluation and recommendations.

8. **AND WHEREAS,** the Technical Sub-Committee visited the said Sugar Mill and submitted their report vide letter dated 16.12.2022. The said report was placed before the Committee on 16.12.2022 for further deliberation and consideration. Accordingly, the Committee unanimously recommended that the initial capacity of the said Sugar Mills is considered 2000 TCD as per NOC / permission letter of the Government. The crushing capacity to the maximum upper limit of 16,000 TCD of M/s. JK Sugar Mills (Pvt.) Limited, Khanewal is recommended for regularization subject to submission of requital amount and fulfilment of all legal / codal formalities.

9. **AND NOW THEREFORE,** keeping in view the facts discussed above and in the light of report of Technical Sub-Committee, the decision of the Committee and after perusing all relevant documents, the crushing capacity to the maximum upper limit of 16000 TCD of M/s. JK Sugar Mills (Pvt.) Limited, Khanewal is regularized within the same premises subject to submission of Rs. 140.00 million as requital amount.

DIRECTOR GENERAL
(INDUSTRIES, PRICES, WEIGHTS & MEASURES)
PUNJAB

CC:

1. Chief Secretary Punjab.
2. Principal Secretary to Chief Minister Punjab.
3. Secretary to Government of the Punjab, Finance Department.
4. Secretary to Government of the Punjab ICI&SD Department.
5. Secretary to Government of the Punjab Food Department.
6. Secretary to Government of the Punjab Agriculture Department.
7. Cane Commissioner Punjab.
8. Deputy Commissioner Khanewal.
9. District Officer (IPWM) Khanewal.
10. M/s. J.K. Sugar Mills District Khanewal.

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ANNEX-V

Drawing and Specification of Dust Collector

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1 + 2 Capacity 50 Tons/Each.

DUST COLLECTOR

TYPE	= MULTI-CYCLONE
CAPACITY	= 3400 M^3/Min
GAS TEMPRATURE	= 220 C°
PRESSURE LOSS	= 30 MM/Wg

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Main stack		
Design pressure	mbarg	25
Design temperature	°C	220
Stack diameter	M	2.4
Stack height above grade	M	30
Stack material		A36
Stack plate thickness		6 - 8
External insulation thickness	mm	- (only personel protection)
Flue gas velocity in stack (Maximum)	m/s	20

Primary FD Fan		
Design Capacity	m^3/min	2150
Head	mbar	21
Temperature	°C	Ambient
Motor Power	KW	160 (With VFD)
Power source		415 V; 50 Hz
Inlet Venturi		Inlet of Fan Duct
Motor protection class		IP 55, non-hazardous

Secondary FD FAN (02 Nos, 50% capacity each)		
Design Capacity	m^3/min	450
Head	mbar	30
Temperature	°C	200 - 220
Motor Power	KW	55 (With VFD)
Power source		415 V; 50 Hz
Motor protection class		IP 55, non-hazardous

ID Fan (02 Nos, 60% capacity each)		
Design Capacity	m^3/min	3190
Head	mbar	-20.0
Temperature	°C	170 to 180
Motor Power	KW	200 (With VFD)
Power source		415 V; 50 Hz
Motor protection class		IP 55, , non-hazardous

Dust Arrester		
Design Capacity	m3/min	5800
Type		Multicyclone type
Pressure Drop	mbar	2 Approx
Temperature	°C	240
Efficiency	%	90

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ANNEX-VI

Copy of
Contract for
Mud Sale

Scanned with CamScanner

E-STAMP

PB-KWL-13015784F98F0A8A

Low Denomination

Rs 100/-

AFFIDAVIT / A

KHASTA KHAN

CHAKRIMAS MUHAMMAD NOAMKHARA SOHAILAN TEHSIL MASTA DISTRICT SHANG

10-Nov-2022 5:50:39 PM

17-Nov-2022

One Hundred Rupees Only

FOR JK SUGAR MILLS

Zia Ul Hasan [PB-KWL-7] Adda Veghlanwala

یہ سٹامپ پیپر ڈاکومنٹ ناقابل قبول ہے اگر اسے مقررہ دنوں تک کسی لیبر فائل استعمال نہیں۔

188

10-11-2022

M. Zia-ul-Hasba
Stamp Vendor Lic No
Adda Veghlanwala Mian Channu

معاہدہ برائے مڈ سیزن 2022-23

یہ معاہدہ فریق اول مسمی اکبر حسین ولد جمعہ خان اینڈ محمد حسین ولد خاشتہ خان (اکبر برادرز اینڈ کمپنی) سکنہ چاڑیا، ڈاکخانہ روڈ سگار، تحصیل و ضلع سوات اور فریق دوم میسرز جے کے شوگر ملز لمیٹڈ تحصیل میاں چنوں ضلع خانیوال وغیرہ کے مابین مورخہ 24-11-2022 کو باہمی رضامندی اور درج ذیل شرائط پر طے پایا گیا۔

1. فریق اول گنے کی کٹوائی سے گیلی مڈ کی ڈلیوری تک ٹوٹ اور اس کے لوڈنگ کی صفائی کا ذمہ دار ہوگا۔
2. فریق اول خود یا کسی اپنے ذمہ دار نمائندے کو موقع پر ہمہ وقت موجود رکھے گا۔
3. فریق اول گیلی مڈ کے لئے کم از کم [illegible] اور 06 کم از کم آدمی لیبر فی شفٹ رکھے گا۔
4. فریق اول کی کوتاہی کی صورت میں اگر فریق دوم اپنے لیبر اور ٹریکٹر ذریعہ استوال کے تو فریق اول مناسب سمجھے اس کے اخراجات کا تعین کرے گی، جو فریق اول جمع کروانے کا پابند ہوگا۔
5. فریق اول کی لیبر فریق دوم کے ہدایت کے مطابق کام کرنے کی پابند ہوگی۔
6. فریق اول 1820/- روپے فی ٹن (اصل وزن) کے حساب سے مڈ کو ادا کرے گا۔ اگر فریق اول 2000/- روپے فی ٹن سے زیادہ ریٹ پر مڈ فروخت کرے تو اضافی ریٹ کا 50% مڈ کو جمع کروائے گا۔ فریق اول سیزن شروع ہونے سے پہلے ایک ہزار ٹن مڈ کی رقم ایڈوانس جمع کروائے گا۔ اسی طرح ایک ہزار ٹن مڈ کی ادائیگی کے بعد پھر ایڈوانس رقم جمع کروائے گا۔ آف سیزن میں 500 ٹن مڈ کی رقم ایڈوانس جمع کروائے گا۔ باہر بھیجی گئی مڈ کی ٹوٹل رقم فریق اول مورخہ 30-09-2023 تک کرنے کا پابند ہوگا۔
7. فریق اول مبلغ 50,00,000/- روپے (پچاس لاکھ روپے) بطور ایڈوانس جمع کرائے گا۔ اور ایڈوانس کی رقم می ایم صاحب (پلانٹ) کی منظوری کے بعد واپس کی جائے گی۔
8. فریق اول مڈ کی رقم کی ادائیگی متعلقہ پلانٹ کے شیڈول کے مطابق کرے گا۔ بصورت دیگر ایڈوانس سیکیورٹی اور باہر رکھے ہوئے مڈ سے بے دخل ہونا پڑے گا۔
9. فریق دوم کسی بھی وجوہات کی بناء پر بغیر نوٹس دیئے موجودہ معاہدہ کینسل کرنے کا مجاز ہوگا۔
10. فریق اول دوران سیزن مڑ میں موجود رہے گا۔
11. فریق اول مڑ ہذا کے تمام قوانین و ضوابط کی سختی سے پابندی کرے گا۔
12. کام میں کسی نقصان کے باعث فریق اول کو اس کی نوعیت کے حساب سے جرمانہ کیا جائے گا۔
13. فریق اول اپنی لیبر کا ریکارڈ رکھنے کا پابند ہوگا۔ اور گورنمنٹ کے تمام واجب الادا ٹیکس (انکم ٹیکس، سیلز ٹیکس، EOBI، سوشل سیکیورٹی وغیرہ) مڈ سے فریق اول کو ملنے والی رقم سے منہا کر کے جمع کروانے کا پابند ہوگا۔
14. مڑ ہذا میں کام کرتے ہوئے اگر فریق اول کی لیبر کو کوئی حادثہ پیش آتا ہے تو اس کا ذمہ دار فریق اول ہوگا۔
15. کسی بھی قسم کے تنازعہ کی صورت میں فریق دوم کا فیصلہ حتمی ہوگا، جسے کسی بھی دیوانی یا فوجداری عدالت میں چیلنج نہیں کیا جائے گا۔
16. فریق اول مڑ چلنے سے 5 دن قبل بمعہ لیبر، ٹریکٹرز، ٹرالیاں وغیرہ مڑ پہنچنے کا پابند ہوگا۔

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E-STAMP

ID: PB-KWL-50190/SBCICLAFCCE
Type: Law Denomination
Amount: Rs 100/-
Description: AFFIDAVIT - 4
Applicant: MUHAMMAD HUSSAIN AKBAR BROTHERS AND COMPANY(15601-0903860-5)
S/O: KHAISTA KHAN
Address: CHAABMAAR MUSLIMABAD ROADSINGARA GOWALBAI TEHSIL MATTA DISTRICT SWAT
Issue Date: 10-Nov-2022 5:50:40 PM
Printed On/Validity: 17-Nov-2022
Amount in Words: One Hundred Rupees Only
Reason: FOR JK SUGAR MILS
Vendor Information: Zia Ul Hasan | PB-KWL-2 | Adda Veghlanwala

189
10-11-2022

Mi. Zia-ul-Hassan
Stamp Vendor Lic No. 2
Adda Veghlanwala Main Chann

نوٹ یہ سٹامپ تحریر کنندہ تاریخ اجرا سے مدت دنوں تک کیلئے قابل استعمال ہے۔

فریق دوئم

جنرل منیجر

فریق اول

محمد حسین ولد خائستہ خان

اکبر خان ولد جرگی

شناختی کارڈ نمبر 15601-9903860-5 شناختی کارڈ نمبر 15601-1900013-1

گواہ نمبر 2

نام سید عدیل حیدر نقوی

عہدہ Manager Accounts

شناختی کارڈ نمبر 35202-1146271-9

دستخط:

گواہ نمبر 1

نام نورالامین

عہدہ DGM(HR/Admin & Sec)

شناختی کارڈ نمبر 17301-1356323-9

دستخط:

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ANNEX-VII

Copy of Contract for Ash Sale

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E-STAMP

192
10-11-2022

M. Zia-ul-Hassan
Stamp Vendor Lic. No. 7
Adda Jeghtmala Main Chowk

معاہدہ برائے راکھی (Ash) سیزن 2022-23

یہ معاہدہ فریق اول کی کبیر خان ولد جمعہ گل، بذریعہ محمد حسین ولد خانسہ خان (کبیر ولد اینڈ کمپنی) سکنہ چاڑا ماڑا کنارہ روڈ سگار، تحصیل ومضلع سوات اور فریق دوم میسرز [illegible] بارکوٹ لمیٹڈ تحصیل ومضلع خانیوال روڈ گوجران کے مابین مورخہ 24-11-2022 کو باہمی رضامندی اور درج ذیل شرائط پر طے پایا گیا۔

1. فریق اول تمام پوائنٹرز سے راکھی اوٹھا کرے گا۔ اور اس امر کی صفائی کا ذمہ دار ہوگا۔
2. فریق اول راکھی کے لئے کم از کم 04 عدد یا ضرورت کے مطابق ٹریکٹر ٹرالی بمعہ ڈرائیور اور کم از کم 04 عدد لیبر فی شفٹ انتظام کرنے کا پابند ہوگا۔
3. فریق اول کی کوتاہی کی صورت میں اگر فرانقاصیہ نے اپنی لیبر اور ٹریکٹر ٹرالی استعمال کیے تو فرانقاصیہ اس کے اخراجات کا تعین کرے گی، جو فریق اول ادا کرنے کا پابند ہوگا۔
4. فریق اول کی لیبر فرانقاصیہ کی ہدایت کے مطابق کام سرانجام دینے کی پابند ہوگی۔
5. فریق دوم فریق اول کو ہر راکھی مبلغ 890,000/- (آٹھ لاکھ نوے ہزار روپے) بعد ٹیکس ادا کرنے کا پابند ہوگا۔ ڈیزل بذمہ فریق اول (کنٹریکٹر) ہوگا۔
6. فریق دوم کسی بھی وجوہات کی بنا پر لیٹر نوٹس دیئے موجودہ ایگریمنٹ کینسل کرنے کا مجاز ہوگا۔
7. فریق اول مبلغ 300,000/- (تین لاکھ روپے) بطور ایڈوانس جمع کرائے گا۔
8. فریق اول دوران سیزن ملز میں موجود رہے گا۔
9. فریق اول ملز ہذا کے تمام قوانین وضوابط کی سختی سے پابندی کرے گا۔
10. کام میں کسی نقصان کے باعث فریق اول کو اس کی نوعیت کے حساب سے جرمانہ کیا جائے گا۔
11. فریق اول اپنی لیبر کا ریکارڈ رکھنے کا پابند ہوگا۔ اور اس کے علاوہ فریق اول گورنمنٹ کے تمام واجب الادا ٹیکس (انکم ٹیکس، سیلز ٹیکس، EOBI، سوشل سیکیورٹی) کا پابند ہوگا۔ اور سیزن کے اختتام پر تمام سرٹیفکیٹس فرانقاصیہ کو جمع کروائے گا۔
12. ملز ہذا میں کام کرتے ہوئے اگر فریق اول کی لیبر کو کوئی حادثہ پیش آتا ہے تو اس کا ذمہ دار فریق اول ہوگا۔
13. پھینکی ہوئی راکھی کی وجہ سے اگر کوئی کسی نقصان ہوتا ہے تو اس کا ذمہ دار فریق اول ہوگا۔

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E-STAMP

193
10.11.2022

PB-KWL-44227E0242F2A3A3
Low Denomination
Rs 100/-

AFFIDAVIT - 4
MUHAMMAD HUSSAIN AKBAR BROTHERS AND COMPANY[15601-9903860-5]
KHAISTA KHAN
CHAARMAR MUSLIMABAD ROADINGARA GOWALRAI TEHSIL MATTA DISTRICT SAWAT
10-Nov-2022 5:54:14 PM
17-Nov-2022
One Hundred Rupees Only
FOR JK SUGAR MILS
Zia Ul Hassan | PB-KWL-2 | Adda Veghianwala

M. Zia-ul-Hassan
Stamp Vendor Lic. No. 2
Adda Veghianwala Mian Channu

نوٹ یہ سٹرانزیکشن تاریخ اجرا سے سات دنوں تک کے لیے قابل استعمال ہے۔

14. فریق اول طرز چلنے سے 5 دن قبل بمعہ لیبر، ٹریکٹر ٹرالی وغیرہ طرز پہنچنے کا پابند ہوگا۔
15. فریق اول راکھی پھینکنے کے لئے اپنی زمین لے گا اور اسی میں ہی راکھی پھینکے گا اور اس کے اوپر مٹی ڈالے گا۔ کسی بھی سرکاری زمین پر راکھی نہیں پھینکے گا۔
16. فریق اول اپنی لی گئی زمین کے علاوہ کسی اور جگہ پر راکھی نہیں پھینکے گا۔ اگر ایسا ہوا تو فی ٹرالی مبلغ -/2000 روپے جرمانہ ادا کرنا ہوگا۔
17. کسی بھی قسم کے تنازعہ کی صورت میں فریق دوئم کا فیصلہ حتمی ہوگا، جسے کسی بھی دیوانی یا فوجداری عدالت میں چیلنج نہیں کیا جائے گا۔

فریق دوئم
جنرل منیجر

فریق اول
محمد حسین ولد خائستہ خان
اکبر خان ولد جمعہ خان
شناختی کارڈ نمبر: 15601-9903860-5 شناختی کارڈ نمبر: 15601-1900013-1

گواہ نمبر 2
نام سید عدیل حیدر نقوی
عہدہ Manager Accounts
شناختی کارڈ نمبر 35202-7146271-9
دستخط:

گواہ نمبر 1
نام نور الامین
عہدہ DGM (HR/Admin & Sec)
شناختی کارڈ نمبر 17301-1356323-9
دستخط:

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ANNEX-VIII

Copy of Contract for Molasses Sale

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MIER INDUSTRIAL CHEMICAL MFG.CO. (PVT) LTD.

ORITY LETTER/ TRANSPORTER & MUNSHI- MOLASSES LIFTING FROM UGAR MILLS (Season 2022.2023)

(DO # 01)

r Sir, Assalam-o-Alaikum.

se note that today **Dated: 06.12.2022** We have authorized our ng Transporters & Munshi for the lifting **of Molasses** stocks from J.K. Mills in account of Premier Industrial Chemical Mfg. (Pvt) Ltd.

sporters Authority

M/S AMANULLAH AFRIDI Enterprises. For the lifting of **1000** Molasses from **J.K. Sugar Mills** in account of Premier Industrial Chemical Co (Pvt) Ltd.

UNSHI DETAILS

ED BAQIR HUSSAIN SHAH S/O Sajjad Hussain Shah.

NIC # 33302-977888-5

el # 03447890137

---

y comm[illegible] as soon as possible.

ks,

Sales & Marketing Dept.
Molasses Lifting Team,
Premier Industrial Chemical Mfg.(Pvt) Ltd
Office: 15-A, Block New Garden Town Lahore.
Tel: +92-42+92 35869011 - 15 / Cell # 0300-4483996

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JK SUGAR MILLS (PVT.) LIMITED UNIT :

KACHA KHU DISTT KHANEWAL

SEASON 2022-2023

CIRCLE MULTAN

FORM RT-4

PERIODICALLY / FINAL MANUFACTURING REPORT

(RULE NO : 83)

FOR CANE SUGAR FACTORY

THE COLLECTOR
CENTRAL EXCISE & LAND CUSTOMS.
CUSTOM HOUSE MULTAN

CLARIFICATION PROCESS : DEFECATION REMELT & PHOSPHATATION

NAME OF FACTORY : JK SUGAR MILLS (Pvt.) LTD.
CHAK# 84/15L, VEHARI ROAD
KACHA KHOO
DISTRICT KHANEWAL

(Revised)
of 2022 - 2023
25/11/2022 To 08/03/2023

PARTICULARS	THIS SEASON 2022 - 2023		LAST SEASON 2021 - 2022	
E CRUSHING	25/11/2022	15:15	15/11/2021	15:00:00
D DATE & TIME	08/03/2023	06:20	02/04/2022	04:20:00
DATE & TIME				
BER OF SEASON (DAYS)	104		139	
RS OF ACTUAL CRUSHING	97.240		123.717	
URS ACTUAL CRUSHING	2,333.75		2,969.20	
URS LOST	116.50		345.63	
NE MILLED (KGS.)	963,578,000		1,046,842,095	
NE MILLED (MAUNDS.)	24,089,450		26,171,052	
ED JUICE (KGS.)	982,068,120		1,102,996,620	
D ADDED WATER	101.919		105.364	
ED JUICE % CANE	30.381		34.626	
ED WATER % CANE				
AGGED :				
GAR BAGGED (100 KGS)	0		0	
GAR BAGGED (50 KGS)	1,925,764		2,122,570	
GAR BAGGED (5 KGS)	0		0	
GAR BAGGED (2 KGS)	0		0	
GAR BAGGED (1 KGS)	0		0	
GAR BAGGED (IN KGS) *	96,288,200		106,128,500	
T IN PROCESS (KGS)	93,934		24,688	
& DRAINING :				
ASSES SENT OUT (KGS) *	45,119,963		51,626,760	
LEFT IN PROCESS (KGS)	20,435		5,441	
NING SENT OUT (KGS)				
ES	24,688.000 KGS. OF SUGAR FROM LAST YEAR PROCESS			
ECOVERY OF MARKETABLE CANE	10.0000		10.1355	
RODUCTION OF FINAL % CANE	4.6841		4.9316	

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PARTICULARS		THIS SEASON 2022 - 2023	LAST SEASON 2021 - 2022
...DUCTS:		28.464	29.206
...SE (CALC) KGS % CANE		4.457	4.920
...CANE (KGS) % CANE			
...ALYSIS:	SUGAR %	12.149	12.258
	FIBER %	11.992	13.322
...H JUICE:	SUGAR %	14.704	15.072
	BRIX %	18.487	18.872
	PURITY	79.537	79.864
...JUICE:	SUGAR %	11.339	11.138
	BRIX %	14.408	13.972
	PURITY	78.699	79.717
...ALL JUICE:	SUGAR %	1.577	1.339
	BRIX %	2.290	1.936
	PURITY	68.865	69.163
...JUICE:	SUGAR %	12.106	11.737
	BRIX %	15.119	14.700
	PURITY	80.071	79.844
...P:	SUGAR %	56.343	55.270
	BRIX %	70.489	69.332
	PURITY	79.932	79.718
...QUOR:	SUGAR %	66.369	65.515
	BRIX %	68.273	67.268
	PURITY	97.211	97.394
...QUOR:	SUGAR %	65.982	64.684
	BRIX %	67.159	65.876
	PURITY	98.247	98.191
...ITE I :	PURITY	81.491	81.993
...ITE II :	PURITY	70.951	70.053
...ITE III:	PURITY	52.842	52.283
...OLASSES:			
	SUGAR %	29.582	29.121
	BRIX %	91.793	89.108
	PURITY	32.227	32.681
...ES	5,441.00	KGS. OF MOLASSES FROM LAST YEAR PROCESS	
	SUGAR %	2.083	1.784
	WATER %	54.830	51.900
	FIBRE %	42.145	45.521
	SUGAR %	3.328	3.074

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	12.1488	12.2579
	11.5081	11.7329
	0.5727	0.5221
	0.1483	0.1512
	1.3352	1.4362
	10.0000	10.1355
	0.0227	0.0129
	2.1489	2.1724
	03,934	24,583
	22,435	5,447
CONSUMPTION CALCULATED ON 100 (M.T) CANE		
	0.00362	0.00369
	0.00000	0.00020
	0.00119	0.00391
	0.00374	0.00111
	0.00003	0.00003
	0.00026	0.00030
	0.00025	0.00033
	0.00007	0.00000
	0.00255	0.00245
	0.00017	0.00000
	0.00259	0.00201
	0.00386	0.00206
	0.00010	0.00003
	0.00210	0.00264
	0.00278	0.00266
	0.00000	0.00007
	0.00006	0.00000
	0.00029	0.00026
	0.00008	0.00000

OFFICER

MANAGER QC & LAB
NAEEM TAREEN

DGM (PRODUCTION
NASIR MEHMOOD

GENERAL MANAGER
MUHAMMAD SARFARAZ KHAN

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ANNEX-IX

Health and Safety Documents

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JKS	JK SUGAR MILLS (PVT.) LTD	JKSML/Plan/HSE/024 Retention Time: 3 years Effective Date: 15-07-2022

OCCUPATIONAL SAFETY AND HEALTH MANAGEMENT SYSTEM

Emergency Evacuation Plan

	Designation	Signature
Prepared	HSE Engineer	
Approved	General Manager	

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Contents

1. PURPOSE 4
2. SCOPE 4
3. DEFINITIONS 4
4. EMERGENCY CONTROL ORGANIZATION & RESPONSIBILITIES 4
5. EMERGENCY EVACUATION PLAN 4
6. APPLICABLE DOCUMENTS 4
7. REFERENCES 5

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2. PURPOSE

The purpose of this emergency evacuation plan is to define the process for evacuation of JK-1 in the event of an emergency.

3. SCOPE

This emergency evacuation plan is developed in accordance with OSHA standard Emergency Management.

4. DEFINITIONS

Emergency	A sudden, urgent, usually unexpected occurrence or occasion requiring immediate action.
Emergency Plan	Systematic instructions and procedures that clearly detail what needs to be done, how, when and by whom before and after the time an anticipated emergency event occurs.
Evacuation	an action of evacuating a person or place
Escape Route	an escape route is a backup route in surrounding areas that a person can take in case of a dangerous situation to prevent or lessen the possibility of injury and property damage

5. EMERGENCY CONTROL ORGANIZATION & RESPONSIBILITIES

Head of Departments:

The head of Departments shall have ultimate responsibility for the implementation of the Emergency Evacuation Plan.

HSE Engineer:

The HSE Engineer shall have responsibility for implementing the Emergency Evacuation Plan throughout JK-1 mill.

Senior Security Officer:

The Security officer shall have responsibility for assist to implementing the Emergency Evacuation Plan throughout JK-1 mill and responsible to total head count by using attendance record.

Employees:

All employees shall be responsible for complying with the requirements of the Emergency Evacuation Plan

6. EMERGENCY EVACUATION PLAN

This Emergency Evacuation Plan ensures the prompt and orderly evacuation of employees and other occupants (including visitors, customers, etc.) in the event of an emergency.

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In the event of an emergency the emergency alarm shall be raised.

All occupants shall immediately proceed to the nearest accessible emergency exit in a quiet, calm and orderly manner. Occupants shall exit the facility using designated escape routes. Occupants should not run while evacuation is in process except in circumstances where there is an immediate and present danger.

At all times occupants shall avoid panicking and / or creating additional alarm. Occupants shall avoid rushing and crushing towards emergency exits.

The HSE Engineer shall ensure that appropriate provision is made for the evacuation of people with special needs, lone employees, and young persons.

Evacuated occupants shall assembly at the nearest safe designated assembly point. If no assembly points are available evacuated occupants will assemble at an appropriate location away from the facility and the emergency.

The Area In-charge shall perform a head count of assembled evacuated occupants and account for all occupants.

The Area In-charge shall ensure arrangements are made for meeting emergency services on their arrival.

The Area In-charge and HSE Engineer shall ensure that evacuation routes are clearly marked and illuminated where appropriate. Escape route signs shall indicate the location of Emergency Exits. Emergency Exits shall be clearly visible and identified with illuminated signs. Emergency Exits shall open outwards and be kept clear of obstructions at all times.

Security officer shall perform a total workers head count of assembled evacuated occupants at assembly point by using attendance record given by time office.

Site Evacuation Route Maps / Plans shall be prominently displayed throughout the facility indicating emergency equipment and alarms; emergency exits and assembly points.

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Mills UNIT-1	**Fire Fighting Plan**	JK-1/HSE/5-07 Retention Time= 03 years Review # = 00
	Issue No : 01	Revision No : 00

pared by:	(Name & Signature)	(Date)
iewed by:	(Name & Signature)	(Date)
roved by:	(Name & Signature)	(Date)

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JK Sugar Mills (Unit -1) Fire Fighting Plan & Fire Safety Measures

...ary Agencies:

...Unit-1 Fire Brigade

...porting Agencies:

	Agency	Contact #
	Fire Brigade (Rescue 1122) Khanewal	065-9200362-5
	Fire Brigade (Rescue 1122) Mian Channu	065-2661822
	Fire Brigade (Rescue 1122) Vehari	03347189321

...of Key Personnel Contact Numbers:

	Name	Designation	Contact #
	M. Sarfraz Khan	General Manager	03423726288
	Mr. Noor Ul Amin	DGM Adim/Security	03234856346
	Mr. Gulzar Hussain	Manger Security	03003603230
	Mr. Saddam Hussain	Safety Engineer	03067540100
	Mr. M Abrar	Dispenser	03037871215
	Mr Noman Ahmad	Driver Social Security Ambulance	03006702418
	Mr. Mushtaq	Driver Mill Ambulance	03016850438
	Mr. Nasir Jamal	In-charge Transport	03009801580
	Mr. Rizwan Haider	Safety Inspector	03029153638

...icies:

a. Only trained personnel should be used in fire control activities. Emergency volunteer workers may be used for other emergency work when properly instructed in how to assist the trained personnel.

b. Coordination with local fire suppression organizations and other organization will be accomplished through administration department of Unit-1 on demand of incident commander.

...ning Assumptions:

I. Equipment, personnel and supplies can be quickly expanded in any large fire. A shortage of resources may equate to more severe damage.

II. Limited communication capabilities may create overwhelming confusion and ineffective fire response strategies.

III. Fire fighting techniques, equipments and communications should be compatible among the fire departments.

IV. Fire service resources may be requested to respond to Medical Emergencies.

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BACKGROUND:

Bagasse is the fibrous by-product of sugar milling process. Bagasse is currently the primary fuel for sugar milling and processing operations. Regarding this importance, protection of Bagasse from any source of fire is the basic concept of Safety Department.

CONCEPT OF OPERATION:

General:

- Safety Department will rely on effective operation plans which utilize resources of personnel equipment and supplies in the most effective manners.
- Fire operation must begins with the incident command system (ICS) established by the first unit / shift /group in response to the scene. The Incident commander's control and directions must be followed as long as they are in command. This command may be passed to a higher ranking officer when he arrives.
- Incident commander will direct operations from the incident command post at a safe distance from the scene. Coordination of resources may be conducted at the incident command post.

Incident Categories:

Category	Title	Definition	Cause
0	Minor Incident	Incident, which may be involves injury or damage to plant, controllable by personnel on spot.	Small Fire Small Hydrocarbon Spill. Process leakage. Small leakages of hazardous chemicals. Minor gas release
1	Serious Incident	Incident, which may involve injury, damage to plant beyond resources of personnel on the spot and controllable by Emergency Response Team	Fire. Small explosion with minor knock on effect. Serious spill containable
2	Major Incident	Incident involving injury, death or major damage to plant or environment	Major Fire Major explosion. Major spill. Major gas release. Major or multiple injuries or illness

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Types of Emergency at Possible Locations:

Type of Emergency	Possible Location of Events
Fire	Bagasse Yards Cane Carrier Sugar Godowns Power House Substations Boiler back fire (during opening of Furnace Windows) Ash handling System Belt Conveyors Inverter Room Cable Room Transformer area Warehouse/ Store/ Compressed Gas Storage Area Chemical/ Oil Storage Area Diesel Generator Area Filling Station Residential colony
Explosion	Ash Handling System Compressed Gas Storage Area Chemical / Oil Storage Area Diesel Generator Area Transformer Area Sugar Bins Area
Spills	Water Treatment Plant Cooling Tower H_2SO_4 Storage Area Chemical/ Oil Storage Area Filling Station Transformer Area
Gas Leakage	Compressed Gas Cylinder Storage Area Chemical/ Oil Storage Area
Medical Emergency	Electric Shock Slips & Falls Machinery Failure Chemical Leakage & Exposure Burns(Back Fire of Furnace, welding cutting, Contact with Steam Pipe Line) Free Falling Objects Lifting & Handling

Resources:

Fire Fighting System: Fire protection system installed according to NFPA (National Fire Protection Association) standard and recommended practices codes as listed below

Sr. #	Description	Design code/ standard
1	Stand pipe & hose System	NFPA 14
2	Yard main, hydrants & water monitor	NFPA 24
3	Portable fire extinguishers	NFPA10
4	Dry Chemical Powder Extinguishing System	NFPA 17
5	Low- Medium & High- Expansion Foam	NFPA 11
6	Installation of stationary Pumps for Fire Protection	NFPA 20
7	Fire Hose	NFPA 1961
8	Fire Hose connection	NFPA 1963
9	Welded steel Pipe	ASTM A53
10	Fittings	ASTM A 234

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The complete fire protection system comprise of the following

1. Stand Pipe& hose system for building & structure(internal)
2. Yard main, hydrants and monitors for plant site (external)
3. Portable fire extinguishers

System Description:

Following areas are covered by fire protection system

1. Power House & Sub Stations etc ----- By Portable & Trolley Mounted Fire Extinguishers
2. Transformer area & Bagasse Yards-------- By Fire Extinguishers & hydrants
3. Outdoor Area-------- By manual call point & electric siren
4. Godown area------- By portable fire extinguisher and fire hydrants system
5. Mills House, Transformer area ----By portable fire extinguishers & fire hydrant system
6. Boilers------- By fire hydrant system & fire extinguishers
7. Process house including bagging area---------By portable fire extinguishers
8. ETP ----------By portable fire extinguishers
9. Main store, Transport, Areas----- By Portable & Trolley Mounted Fire Extinguishers & Hydrant System
10. Technical Office, Administration Block etc-------- By Portable Fire Extinguisher

Fire Safety Measures:

Fire Water Pumps:

FIREFIGHTING PUMP (NEAR COOLING TOWER#1)

Type	Centrifugal
Company	KSB
Model	ETA 80-25 BR
Capacity "Q"	500 USGPM
Head "H"	70 m (229 ft)
Revolution "N"	2965 rpm
BHP	29.44 kw
Pressure "P"	7Bar (2250 Lit/min)
Suction & Discharge size	6inch*6inch
Pump Drive	50 HP
Jockey Pump	3HP/2860rpm

JOCKEY PUMP:

CAPACITY(Q)	6.35 M3/H (28.7 GPM)
RPM	2920
HEAD(H)	82.2 M
POWER(KW)	2.2
COMPANY	SIEMENS

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Auxiliary Fire Fighting Pump: (Location; Near Underground Tank)

Under Ground Reservoir Capacity	317460 gal
Type	Centrifugal
Company	ETIFAQ Pumps
W. #	1410
Model	ETA 100-20 BR
Capacity "Q"	100 m3/hr
Head "H"	50 meter (164 ft)
Revolution "N"	1450 rpm
Pressure "P"	4 Bar
Pump Drive	55 HP

SERVICE PUMP#1&2: (STAND BY)

Model	ETA
Head	50 meter
RPM	1450
Power	30kw
Pressure	4 BAR

Reservoirs Capacity:

3* Over Head Reservoir Capacity	3×113000 Ltr
Over Head Reservoir Pressure	2.2kg/cm^2
Under Ground Fire Water Reservoir Capacity	3,17460 US gal

Turbine: (For Water Filling)

Turbine Capacity	3Cusic
Pressure	3kg/cm^2

Hydrants:
13# Double Delivery Fire Hydrants & 09# Single Delivery Hydrants which are 24 hr wet type by automatic fire water system having maximum pressure 7bar.

Fire Hose:
About 2500 feet (100 feet each) fire hose is placed inside the hose cabinets along with 25# different Types of Fire Fighting Nozzles.

Fire Emergency Bowzer:
Operate by PTO Shaft directly attached with FAIT 9410

Pump Specifications:

Bowzer Capacity (JKS-1)	**10,000 Ltr**
Pump Type	**CP-100-21**
W.#	**21-04-10-2437**
Q	**200m^3/hr**
H	**40M**
N	**2900 rpm**
BHP	**30 Kw**
P	**5 kg/cm^2**

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Fire Fighting Accessories Installed on Fire Bowzer:

Fire Hydrants	Monitor Nozzles	Fire Hose	6Kg DCP Fire Ext	12 Lit AFFF Fire Extinguishers	Fire Buckets	Jet Nozzle	Nozzles Multipurpose
02	01	200 ft	02	02	2	01	01

Detail of Fire Fighting Installations:

Sr. #	Location	Bagasse Yards Fire Fighting Measures				
		Hydrants	Monitors	Fire Extinguishers	Fire Points	Fire Hose/Nozzles
1	Bagasse Yard	11	-	06	12	1100ft/10
	Sugar Manufacturing Area					
1	Godowns	2	-	05	4	400ft/4
2	Filling Station	-	-	4	01	-
3	Mills House	02	-	07	2	200ft/2
4	Cane Carrier	02	-	02	2	100ft/2
5	Boiler Area	02	-	05	1	100ft/1
6	Power House	01	-	05	01	100ft/1
7	Electrical Sub Station	00	-	06	-	-
8	Process House	02	-	05	-	-
9	Bagging Area	01	-	02	-	100ft/1
10	Administration Block	-	-	03	-	-
11	Main Store	01	-	13	01	100ft/1
12	Mechanical Workshop	-	-	01	01	-
13	Officer mess	-	-	02	-	-
14	Labor Colony	-	-	02	-	-
15	Cane Offices	-	-	02	-	-
16	ETP Plant	-	-	04	-	-
17	Hot Water Plant	01	-	01	01	100ft/1
18	Guest House	-	-	01	-	-

Means of Warning in case of Fire Emergency.

- Mobile
- Emergency electric alarm/Siren

Quick Call List:

Sr. #	Location	Extension #
1	Administration Department	181
1	Security Office	180
2	Safety Office	111
3	Power House	172
4	Transport Office	185
5	Boilers House	175
6	Process House	286
7	Dispensary (Social Security Dispensary)	115
8	Godown	260
9	Main Store	145
10	Mill Despensory	112

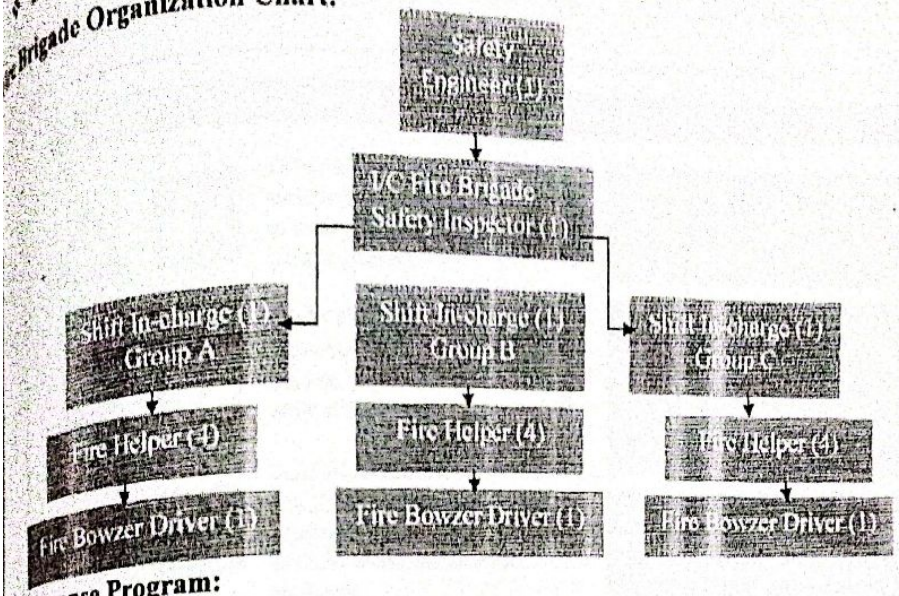
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ignment of Fire Fighters:

Detail	General Shift	Evening	Night	Total
Bagasse Yard	3	3	3	9
Mill House/Process House/Boiler House	1	1	1	3
Godown	1	1	1	3
Safety Office	1	1	1	3
Grand Total	6	6	6	18

- Each Shift Performs their duty under the command of One Shift In-charge.

re Brigade Organization Chart:



re Response Program:

o provide fire safety against potential fire and minimize the risk of damage or personal injuries in the ent of a fire JKS-UNIT-1

- **Minor Fire**

  Minor Fire is one that can be extinguished with portable fire extinguishers.

  1. Extinguish the fire by using suitable extinguisher
  2. Inform concerned GM/Security Manager
  3. Inform Safety Engineer

- **Major Fire**

  Major Fire is one that cannot be extinguished with portable fire extinguishers alone.

ass of Fire:

ass A Fires (Solid material Fire)

olve common combustible material such as Wood, Paper, Cloth, Rubber, Trash and plastic.

ass B Fires (Liquid material Fire)

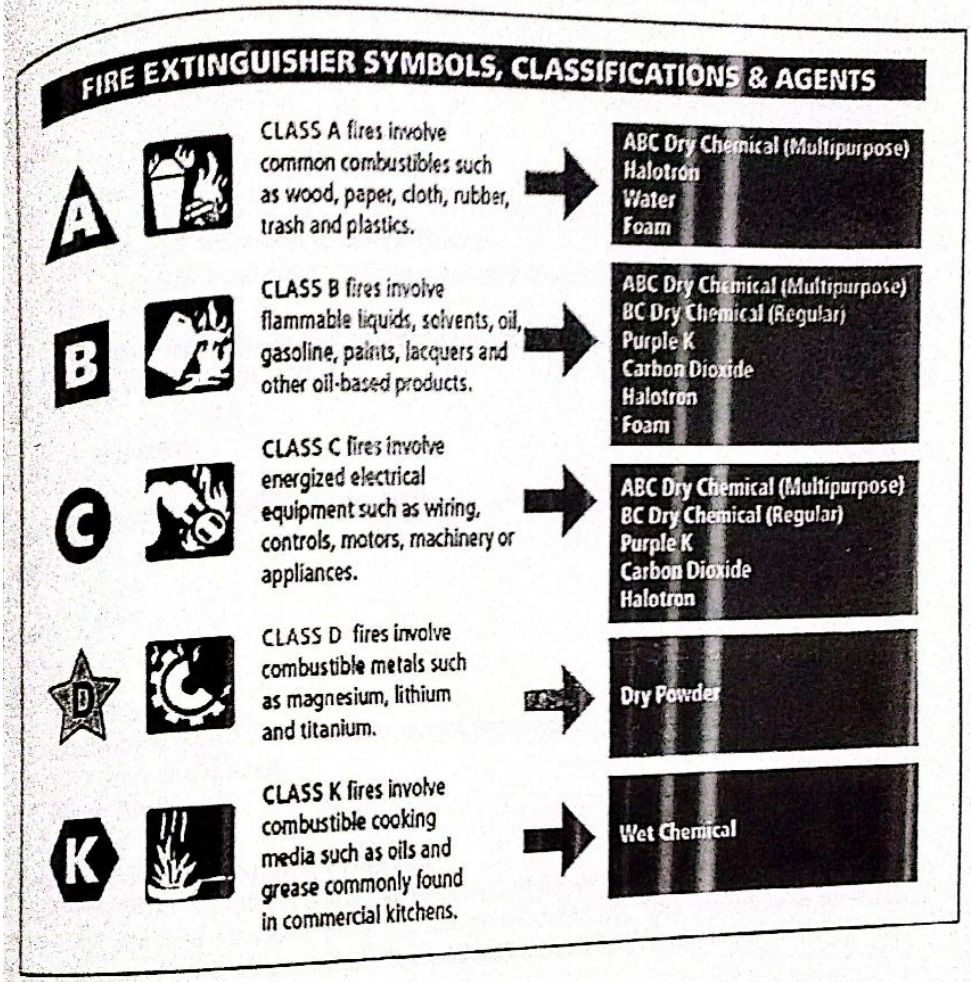
olve Flammable liquids such as Solvent, Oil, Gasoline, Paints, Lacquers and other oil-based products.

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Class C Fires (Gaseous Material Fire)
Involve flammable gases like methane (Sui Gas/ Natural Gas), LPG (Liquefy Petroleum Gas), C2H2 (Dissolved Acetylene Gas) etc

Class E Fires (Electric Fire)
Involve energized electrical equipment such as wiring, controls, motors, machinery, or appliances.

Class K/ F Fires (Cooking Oil Fire)
Involve combustible cooking media such as oils and grease commonly found in commercial kitchen



Emergency situations prevailing within plant site require quick response. The duties performed by key personnel assisted by other team members for different incident scenarios are

Responsibilities:
Emergency Response
- Activate Fire Alarm by order of Incident Commander by radio, telephone.
- Try to understand the type of emergency and communicate to concern as possible.
- Location, extent and type of Fire/ Accident/ Incident.

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- If it is safe to fix the problem, try to fix it without putting anyone at risk.
- When relieved by emergency response team, proceed to assembly

Shift Engineer/ Shift In-charge

- Respond to the alarm/call
- Arrange available emergency response team
- Inform In Charge Fire Brigade/Manager Security/ Safety Officer

Emergency Response Team:

- ✓ Proceed to incident scene
- ✓ Give necessary assistance to mitigate emergency e.g Fire extinguishing, Evacuation, First Aid etc
- ✓ Report to Concerned GM/ Manger Security

NOTE: Each fire breakout must be reported as per Incident/ Accident Reporting Procedure.

All Site Personnel:

- Make safe exit and report to assembly area.
- If required after head count, will be evacuated to safe place

Note: People before leaving will make sure their work area is in safe condition and equipment they were using is in safe position.

Contractor Personnel:

All Mills employees responsible for the contractor workers in their area to guide them to the assembly area

Assembly Points:

Mills Side:

1. Near FFE
2. Enterance of New Mills House towards Cane Carrier
3. Main Store & Godown
4. Admin Block

Chemical Spill/ Release response Program:

Although every effort is made at Mills site to prevent spills of potentially hazardous chemicals in the workplace, accident resulting from the release of chemicals. The procedure is provided to mitigate the effect of spills of potentially hazardous chemicals in workplace.

Minor Spills:

A spill of solid or liquid materials which involves the release of a type or quantity of a chemical which does not pose as immediate risk to health and does not involve chemical contamination to the body.

Major Spill/ Release:

A spill which involves,

1. Release of a type or quantity of a chemical that poses an immediate risk to health.
2. An uncontrolled fire or explosion.

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In case of chemical leakage / spill

- Inform Store Manager/ Manager Safety
- Locate the source of spill and stop the spill
- Close the secondary containment drain valve.
- Remove ignition sources and unplug nearly electrical equipment
- Choose appropriate PPE,s (Goggles, Face Shield, Gloves, Clothing etc)
- Make arrangement to collect or dispose off spilled hazardous substance safely and properly as per "Hazardous Substance Handling Procedure"

Contractors Responsibility:

Contractor labor will be made aware of Emergency Response Plan prior to commencing the work. Prior to leave the site they will ensure that their work area is in safe position. On emergency call they will report in assembly area.

Training:

Safety Officer must ensure that all workers are trained adequately on "Emergency Response Procedure". Annual Drill of all Mills workers will be conducted to ensure the respond, test the emergency program and its record will be kept by Safety officer for at least one year.

Inspection of Fire Fighting Installations:

All fire fighting installations are inspected periodically e.g

1. Fire Extinguishers ----------On monthly basis
2. Fire Hydrants Greasing------- On monthly basis
3. Fire Points----------On daily basis
4. Fire Water Pumps---------- After six months but visual inspection on daily basis.

In case of outbreak of fire:

Location:	**Bagasse Area**
Note:	**3- entry and Exit Points**
Class of Fire:	**A- Class (Solid Material Fire),** **E- Class (Electrical Fire)**
Product of Fire:	**Heat, Flame, Light & Smoke (Carbon Mono Oxide, Smell etc)**
Electric Isolation:	**Near Fire Water Pump Electric Panel room**
Extinguishing Medium:	**Water, CO_2- Fire Extinguisher**
Fire Fighting Precautions:	**Wear Full Face Mask, Breathing Apparatus and all other necessary PPE,s**

Procedure:

a. If cause of broke out of fire is Electric, first isolate the Electric Power from Local Breaker or from Power House.
b. Attack fire with water by using fire hydrants according to the wind direction from Hydrant # 1 to 11.
c. In case of total power failure, attack the fire by using Fire Bowzer already deploy in this area.
d. Bagasse area will be immediately cleared from all Private Loading Vehicles and bagasse tractors and parked outside the Bagasse Area against the wind direction.
e. Hose ramps will be placed at different location for movement of bowzer around the bagasse area to avoid damage of pressurized Fire hose.
f. All loading labor, drivers etc will be removed from bagasse yard.

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First Aid:

1. If firefighter sustained burn injury, Use Burnal Ointment
2. If bagasse effect eyes immediately wash eyes with penalty of water
3. If inhale smoke, immediately removed from bagasse area in opposite direction of wind

Fire Emergency Response Team:

Sr. #	Name	Code	Designation	Responsibility	Signature
1				Incident Commander	
2				Team Leader	
3				1ST Attack	
4				2ND Attack	
5				Support Party	
6				Cordon Party	
7				Electrician	
8				Communication	
9				Fire Pump Operator	
10				Traffic Control	
11				First Aid	

First Aid Box Accessories

1.	Adhesive Wound Dressing	5#
2.	Adhesive Strips	6#
3.	Gauze Pad Sterile	4#
4.	First Aid Dressing	3#
5.	Elastic Crape Bandage	1#
6.	Sani Plaster	6#
7.	Triangular Bandage	1#
8.	Cotton Wool Ball	2 - Packet
9.	Surgical Adhesive Tape	1#
10.	Antiseptic Towel	4#
11.	Tweezers	1#
12.	Vinyl Gloves	1-Pair
13.	Surgical Scissor	1#
14.	Safety Pins	6#
15.	Alcohol Prep-Pad	4#
16.	Soap	1- Bar
17.	Antiseptic Ointment	1-#
18.	Antiseptic Solution	1-Bottle
19.	Calamine Lotion	1- Bottle
20.	Emergency Phone/ Cell # List	

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Fire/Emergency Evacuation Plan

Evacuation Plan

Evacuation may be required if there is a fire in the building or other hazard.
The Decision for evacuation of the facility shall be the responsibility of the GM (Plant), or during his absence, the DGM/ Manager /Chief. If these people cannot be reached, the Shift In/Charge will take responsibility.
During an emergency evacuation, each foreman/supervisor will be responsible for the evacuation of his department employees.
The evacuation team will direct the evacuation of building and account for all employees outside at a safe location i.e. designated Assembly Point

IN THE EVENT OF AN ACTUAL FIRE, ANY FOREMAN/SUPERVISOR WHO HAS A WHEEL-CHAIR EMPLOYEE IN HIS DEPARTMENT SHALL APPOINT FOUR EMPLOYEES AND FOUR ALTERNATES TO CARRY THE WHEEL CHAIR EMPLOYEE OUT OF THE BUILDING.

GENERAL GUIDELINES

- If you discover a fire in the department, call Safety Office, the Safety Officer and give the location of the fire. After working hours call Safety Office, then Security.
- If the fire is in a department, on duty Fire Brigade Staff inside mill and the supervisor should go immediately attack fire by using nearest fire extinguisher, and call the Mill Fire Brigade.
- Regardless of how large or small the fire, reports it immediately to Safety office/Fire Brigade.
- Supervisors should familiarize themselves with the nearest emergency exit (stairways or doors) from the building and/or department in which they work.

SPECIFIC GUIDELINES

A. Upper Floor Levels:

- The Shift In charge/ Foreman/ Supervisor responsible assume responsibility for leading the employees/ members in single file, to the nearest stairs or exit.
- Responsible should wait until all persons have entered the stairwell.

NOT SINGLE FILE.

- Priority should be given to upper floor persons if the area becomes congested.

B. Ground Floor Levels:

- Supervisors/ Shift In charge should ensure evacuation of the department/Section and lead the employees to the nearest exit. Be sure all employees are accounted for.
- When notified of a fire, all persons (staff, employees, contractors, visitors& residents) will **IMMEDIATELY** evacuate the building, except prior appointed personnel (mill security, emergency response team, Maintenance, Work Shop Supervisor) who will be involved in the emergency.

BOMB THREAT - PERSON RECEIVING CALL

In the event a bomb threat is received by telephone, the person receiving the calls should attempt to persuade the caller to give the following information:

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e the bomb is to explode.
cation of the bomb.
e of the bomb(time, fuse, or contact bomb)
ation for bomb.
ver receiving the threat, an immediate report should be made security Manager, and the
afety Engineer/Fire Brigade & Admin Manager.
the mill security shall have the authority to evacuate the building if the admin Manager cannot
be reached immediately.
normally the building will be evacuated and Safety Engineer/Manger Security/Admin Manager
will be notified if the bomb threat is received).

ommended minimum distance for evacuation is 300 feet from the building.

UATION PROCEDURE:

- Keep calm – don't panic.
- Keep aisles and door open for passage.
- Move briskly with the flow of traffic.
- Don't return to the building.
- Each staff member should become familiar with the building evacuation plan/procedure.

oor with an automatic closer must not be prevented from closing by means of stops or blockages.
e doors are part of the firewalls and must be able to close to prevent or slow down the spread of
ke and fire from one area to another.

Prepared By:	Reviewed By:	Approved By:
ntasim Hussain	Noor Ul Amin	M. Sarfraz Khan
afety Engineer)	DGM Admin	General Manager

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List of Machines

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JK SUGAR MILLS LIMITED MIAN CHANNU

PLANT SPECIFICATION

26/06/2023

RAL	
arification Process:	Defication Remelts Phosphication
ve Steam:	Pressure 23 Kg/CM², Temp. 350 ±10 C°
haust Steam:	Pressure 1.5 Kg/CM²
eneration:	3300 Volts 50 HZ
mbient Temp.:	50 C°
vailable cooling water emp.:	35 C°

DESCRIPTION	UOM	QUANTITY	CAPACITY	REMARKS
E HANDLING				
eighbridge	Nos	4	100 Tons Size 3 x 18M (02Nos) 50 Tons 3x9 M (02 Nos)	
ruck Tipplers	Nos	4	Plate form 3x9M (02), 3x6M(02)	
eed Tables	Nos	4	Table Size 6x12M (03 Nos) Table Size 6 x 17M (01 Nos)	
ane Carrier No. 1	Nos	1	Power 110 KW (Double Drive) Width = 2140 mm Length = 65M	
ane Carrier No. 2	Nos	1	Power 110 KW (Double Drive) Width = 2140 Length = 31M	
ne Carrier No. 3	Nos	1	Power 110 KW (Double Drive) Width = 2140 mm Length = 29 M	
ne Leveller	Nos	2	Power 75 KW, 250 KW (Double Drive) Width = 2140 mm	
t Cane Cutter	Nos	1	Power 1000 KW each(Double Drive) Width = 2140 mm	
ond Cane Cutter	Nos	1	Power 1000 KW Width = 2140 mm	
edder	Nos	1	Swing Dia 1800 MM Width = 2140 mm	
edder Turbine	Nos	1	Power 3000 KW	

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DESCRIPTION	UOM	QUANTITY	CAPACITY	REMARKS
Rubber Belt Conveyor alongwith Magnetic Separator	Nos	1	Power 45 KW ,17 KW Length = 19 M	
CING SECTION				
Mill 42"x84"	No	3	(HMC Design) Three Roller Type	
Mill 38"x78"	No	2	(Buckau Wolf Design) Three Roller	
Mill 40"x80"	No	1	(HMC Design) Three Roller Type	
Slow Speed Reduction Gear	No	6	Power 850 KW (02),1200 KW(02), 430 KW (02).	
Intermediate Reduction Gears	No	6	Power 850 KW(02 No's), 450(02 No),1200(02 No's)	
Steam Turbines for Mills	No	6	Power 850 KW (Shinko Japan)	
Over Head Crane	No	2	Capacity 45 Tons Capacity 25 Tons	
Inter Carrier	No	5	Power 55 KW	
Bagasse Elevator	No	1	Power 110 KW Length 26 M	
Rotary screen	No	4	dia 1.8 X 4.5M	
Juice Tank	No	1	45 M^3	
Clarification Tanks	No	6	10 TON	
Sulphitation Tank	No	1	18 TON	
ER SECTION				
Boiler	Nos	3	Capacity 50 Tons (02 Nos) Steam Pressure 23 Kg/CM^2 Steam Temprature 350 ± 10 C° H.S 1422 M^2 (Yoshimine Japan) Capacity 80 Tons (01 No) Steam Pressure 23 Kg/CM^2 Steam Temprature 350 ± 10 C° H.S 2280 M^2	
Main Bagasse Carrier	No	1	Power 132 KW Length 78 M	
Return Bagasse Carrier	No	1	Power 110 KW Length 44 M	
Cross Bagasse Carrier	No	1	Power 132 KW Length 27 M	
Plant	No	1	capacity 20 TON	
R HOUSE				
Alternator	Nos	2	06 MW (7500 KVA) 3300 V, 50 HZ (Toyo Denki Japan)	
Turbine	Nos	2	06 MW (Shinko Japan)	

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DESCRIPTION	UOM	QUANTITY	CAPACITY	REMARKS
...ba Alternator	Nos	2	02 MW 3300 V, 50 HZ (Brush England)	
...am Turbine	Nos	2	02 MW (Brother Hood England)	
...ary Generator	No	1	520 KW	
...FICATION HOUSE				
...ce Flow Meter	No	1	750 M^3/Hr	
...ndor Juice Heaters	No	2	H.S 520 M^2 (Each)	
...ce Heaters	Nos	5	H.S 220 M^2 (02) M^2,200(03) M^2	
...ce Heaters	Nos	2	H.S 450 M^2 (Each)	
...ce Heaters	Nos	6	H.S 300 M^2 (Each)	
...ce Liming Tank	No	1	75 M^3	
...ced Juice Retention Tank	No	1	45 M^3	
...ce Clarifier SRI	No	1	146 M^3, Dia 7.9 M	
...ce Clarifier SRI	No	1	185 M^3, Dia 8.5 M	
...ce Clarifier SRI	No	1	190 M^3, Dia 9.5M	
...cuum Filter	No	3	37 M^3, (each)	
...cuum Filter	No	3	56 M^3, (each)	
...cuum Pump	No	2	2000 M^3/hr	
...cuum Pump	No	1	2500 M^3/hr	
...cuum Pump	No	1	3500 M^3/hr	
...ORATORS				
...e	No	4	H.S 4500 M^2 (each)	
...ident Evaporator	No	1	H.S = 2500 M^2	
...ident Evaporator	No	1	H.S = 1800 M^2	
...ident Evaporator	No	2	H.S = 800 M^2	
...ident Evaporator	No	2	H.S = 1100 M^2	
...YSTALLIZER				
...ch Pans	Nos	7	40 M^3, H.S = 220 M^2 (05 Nos) 47 M^3, H.S =380 M^2 (02 Nos)	
...ntinuous Pan	Nos	2	102 M^3, 68 M^3	
...ntinuous Pan	No	1	102 M^3	
...ch Pans	Nos	5	35 M^3 each, H.S = 220 M^2 (02 Nos) 40 M^3 each, H.S =380 M^2 (03 Nos)	
...assecuite Receiver	Nos	5	42 M^3, (each)	
...assecuite Receiver	Nos	2	42 M^3, (each)	
...assecuite Receiver	Nos	4	42 M^3, (each)	
...ntal Cooling ...ystallizers	Nos	5	175 M^3, (each)	
...Crystallizer	Nos	2	30 M^3, (each)	

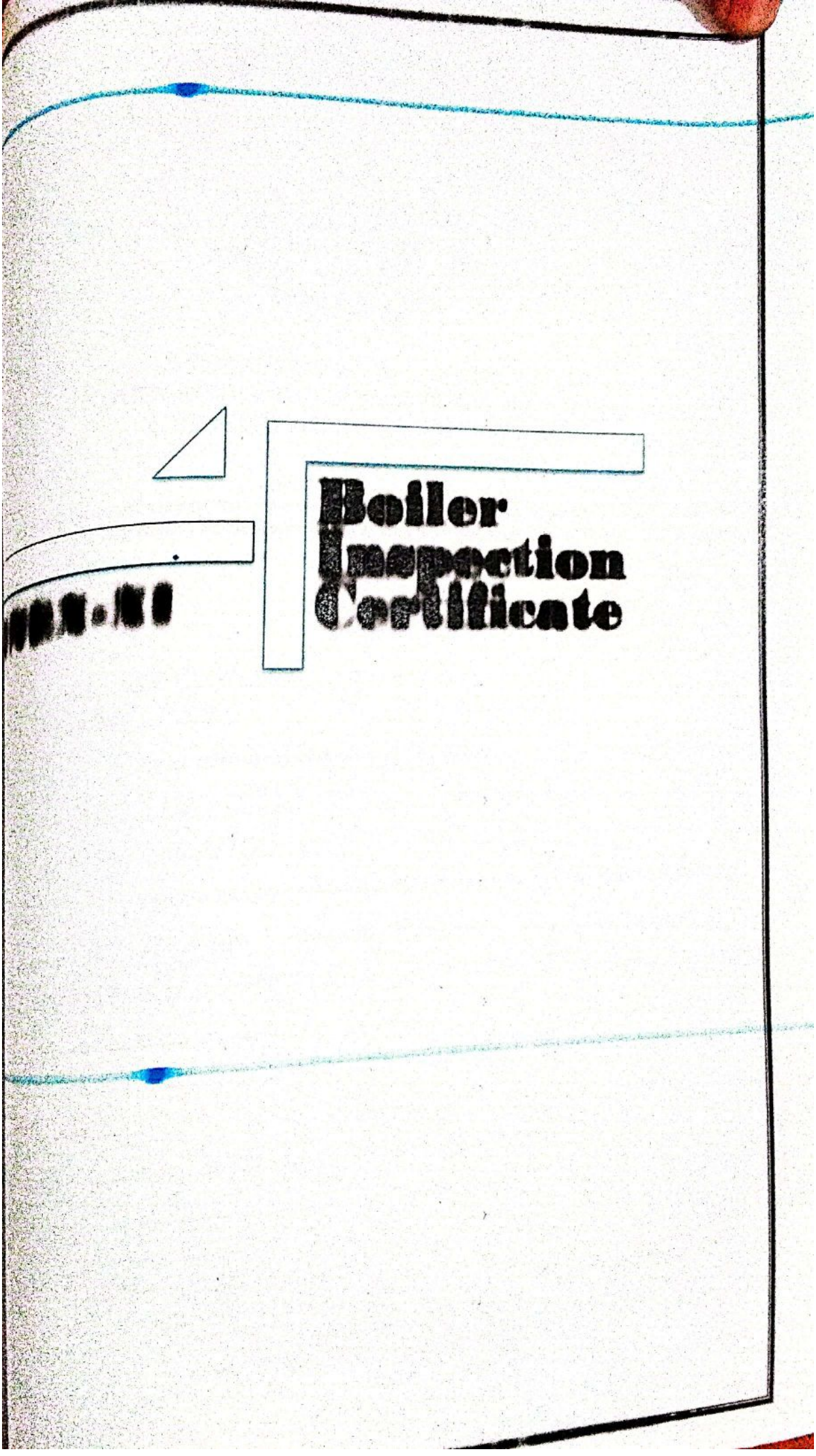
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DESCRIPTION	UOM	QUANTITY	CAPACITY	REMARKS
UGALS MACHINES				
ass. Centrifugals	Nos	9	16 ~ 20 Tons/Hr (each)	
ass. Centrifugals	Nos	8	10 ~ 15 Tons/Hr (each)	
ast Centrifugals	Nos	8	6 ~ 9 Tons/Hr (each)	
e Centrifugals	Nos	7	1500 Kg/ Charge(each) 05 Nos (Silver Weibul Sweeden) 1750 Kg/ Charge 01 No (India), china (01) (GZSM)	
ecuite Re- Heater	Nos	2	30 M³, / 20 Tons/Hr (each)	
E REFINERY				
arifier	Nos	3	15 M³ ,25 M³, 25 M³	
Type Filters	Nos	2	80 M³, (Each)	
Filters	Nos	2	117 M³, (Each)	
d Filter	Nos	5	20 TON (Each)	
NG STATION				
g Dryer	Nos	3	25 Tons/Hr (02), 40 Tons/Hr(01)	
e Elevator	Nos	3	25 Tons/Hr (02), 40 Tons/Hr(01)	
e Gradder Hopper	Nos	3	25 Tons/Hr (02), 40 Tons/Hr(01)	
e	Nos	4	15 Tons/Hr	
ge Bins				
tion Water Pump	Nos	4	2800 M³ / Hr (each)	
e Water Pump	Nos	4	2500 M³ / Hr (each)	
e Pond	Nos	1	7400 M³	
ng Tower	Nos	2	350 M³	
SHOP				
me Lathe Machine	No.	2	Size 14'	
e Lathe Machine	No.	1	Size 10'	
e Lathe Machine	No.	1	Size 6'	
e Lathe Machine	No.	3	Size 8'	
e Lathe Machine	No.	1	Size 4'	
t Lathe Machine	No.	1	Size 12"	
e Saw	No.	1	2" height=6'	
Machine	No.	1	2" height=5'	
Machine	No.	1	stroke 24"	
s Machine	No.	2	Size 24'	
g Machine	No.	1	50 TON	
ulic Jack	No.	1	3600 RPM	
g Machine	No.	1		

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DESCRIPTION	UOM	QUANTITY	CAPACITY	REMARKS
Welder Set	No.	2		
Fitter Shop	No.	1	100kg	
Hack Saw	No.	1	size 12"	
Capstan Lathe Machine	No.	1	Size 5'	
Shaping Machine	No.	1	stroke 36"	
Capstan Lathe Machine	No.	1	Size 7'	
Capstan Lathe Machine	No.	1	Size 20'	
Capstan Lathe Machine	No.	1	Size 36"	

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GOVT. OF THE PUNJAB

DIRECTORATE GENERAL
INDUSTRIES, PRICES, WEIGHTS & MEASURES
(BOILER INSPECTION WING)

...ising the use of a Registered Boiler under section 8(5) of the Punjab Boilers & Pressure Vessel Ordinance A...
...der for new Registration of the Boiler Under Sec.9 of the Punjab Boilers & Pressure Vessel Ordinance Act

...D-701787

...n/of:

General Manager

...ar Mills Pvt LTD

...Vehari Road

Dated: ...

Station: ...

Please refer to my visit of Today to Inspect / ... the

...Boiler No. PB-8357 Heating Surface ...

...ction fee Rs. 10,000/- Paid on 17-05-202...

You are hereby permitted / Not permitted to use the boiler at a maximum ...

...essure of 27 Kg/cm² PSI/Mpa/Kg / Cm² Under the charge of ...

... Muhammad Nadeem C.C. NO. 2200/2017 ...

...marks:

Valid ... 29-07-2023

...ding by:

INSPECTOR OF BOILERS ...

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GOVT. OF THE PUNJAB

DIRECTORATE GENERAL
INDUSTRIES, PRICE, WEIGHTS & MEASURES
(BOILER INSPECTION WING)

...uthorising the use of a Registered Boiler under section 8(5) of the Punjab Boilers & Pressure Vessel ... Ordinance ...
...rder for new Registration of the Boiler Under Sec.9 of the Punjab Boilers & Pressure Vessel Ordinance ...

...-HRTRI

Dated: 03-08-2023

Station: Khanewal

...ef
...ental Manager
Sugar Mills Pvt Ltd
...Jehri Road

Please refer to my visit of Today to Inspect / Hyd / Steam Test

...ur Boiler No PB-3735 Heating Surface 1422 M²

...spection fee Rs. 10,000/- Paid on 17-07-2023

You are hereby permitted / Not permitted to use the boiler at a maximum work...

...ssure of 27 Kg/cm² PSI/Mpa/Kg / Cm² Under the charge of Boiler Engineer ...

...Mr. ... Nadeem C.C. NO. 220 / 247 ...

...rks:

Valid upto 29-07-2023

...ved by

INSPECTOR OF BOILERS
MULTAN CIRCLE MULTAN

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GT. OF THE PUNJAB

DIRECTORATE GENERAL
INDUSTRIES, PRICES, WEIGHTS & MEASURES
(BOILER INSPECTION WING)

...wing the use of a Registered Boiler under section 8(5) of the Punjab Boilers & Pressure Vessels ... for new Registration of the Boiler Under Sec.9 of the Punjab Boilers & Pressure Vessel Ordinance ...

...1787

Dated: 23-03-2...

Station: Khanewal

...ager
...Mills Pvt LTD
...Vehari Road

Please refer to my visit of Today to Inspect / Hyd Steam ...

...Boiler No PB-3734 Heating Surface 1422 M² Sq ...

...ection fee Rs. 10000/- Paid on 17-03-2022

You are hereby permitted / Not permitted to use the boiler at a maximum ...

...ure of 27 bar Kg/Mpa/Kg / Cm² Under the charge of Boiler Engineers.

...Nagar C.C. NO. 2207 / 2017 Cat-4

Remarks

Dated 29-07-2023

Signature of Inspecting Officer

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Annexure-XII

Environmental Monitoring Reports of wastewater and Stack Emissions

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mental Consultants (Pvt) Ltd.

Punjab-EPA Certified
Lahore Laboratory
Federal-EPA Certified
Islamabad Laboratory

Monitoring & Test Report

Ground Water
Waste Water
Ambient Air Monitoring
Noise Monitoring
Stack Emission

DRAFT

JK SUGAR MILL (PVT) LTD.

20th Jan. 2023

erence No.: GCEC-PK-PU-14/2023

Green Crescent Environmental Consultant Pvt. Ltd.
has prepared this report in accordance with the instructions of
Client for their specific purpose. Any other individuals using the content presented in
the document shall do so at their own liability
© GCEC Pvt. Limited

House No. 368-B Block B, Canal View, Lahore
Tel: +92 42 35962885
executive.bd@gcec.pk
www.gceec.com

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Punjab EPA Certified
Federal EPA Certified

Detail:	
r Contact Person:	Mr Noor-ul-Amin
	DGM-Admin
ation:	0323-4856346
r Number:	-
ne:	nooramin@jksugarmills.com
	JKS Unit-1, Chak # 84/15L, 15 Km, Vehari Road, Kacha Khoo, Mian Chanu, District Khanewal

Details:	
	Mr. Mian Khurram Usman
one:	+92 42 35962885
	-
	manager.operations@gcee.ae
	House No. 368-B Block B, Canal View, Lahore

DRAFT

ries:

usaf

ation Department)

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Environmental Consultants (Pvt) Ltd.

Punjab-EPA Certified
Federal-EPA Certified

CHEMICAL ANALYSIS TEST REPORT (GROUND WATER)

Sample Details			
GCEC-PK-PU-14/2023	Client Name:	JK Sugar Mill (Pvt) Ltd.	
0323-4856346	Sample Matrix:	Ground Water Sample	
15-01-2023	Sampled By:	GCEC	
16-01-2023	Date of Completion of Analysis:	18-01-2023	
Grab Sampling			
JKS Unit-1, Chak # 84/15L, 15 Km, Vehari Road, Kacha Khoo, Mian Chanu, District: Khanewal			

Sample Identification

Near Residential Colony

	Analysis Method	Unit	LOR	Results	PEQS
	APHA-4500H+ B	-	0.01	7.51	6.5-8.5
Solid (TDS)**	APHA-2340 B&C	mg/l	0.1	164.0	< 500 mg/l
	APHA-2540 C	mg/l	1.0	838.0	< 1000
	APHA-4500Cl B	mg/l	0.24	66.53	< 250
	APHA-4500F- C	mg/l	0.01	1.1	≤ 1.5
	APHA-4500NO2 B	mg/l	0.01	<0.01	≤ 3 (P)
	APHA-4500NO3 C	mg/l	0.1	<0.1	≤ 50
	APHA-4500Cl G	mg/l	0.1	<0.1	0.2-0.5
MICROBIOLOGICAL ANALYSIS					
	APHA:9222 B	CFU/100ml		Absent	0/100ml
(Ecoli)	APHA:9222 D	CFU/100ml		Absent	0/100ml

LOR: Limit of Reporting PEQS: Punjab Environmental Quality Standards

of the parameters and laboratory conditions at the time of analysis will be provided as per the client's requirement. The lab environmental conditions are 18±5°C and humidity at 50±20%.

*The results are sole of the sample provided. ** All starred parameters are PNAC accredited.*

DRAFT

Name of Chief Analyst with Seal:

Mr. Usman Raza Jaswal

Analyst

Idrees Zaman

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Green Crescent
Environmental Consultants (Pvt) Ltd.

Punjab-EPA Certified
Lahore Laboratory
Federal-EPA Certified
Islamabad Laboratory

CHEMICAL ANALYSIS TEST REPORT (WASTE WATER)

Sample Details			
	GCEC-PK-PU-14/2023	Client Name:	JK Sugar Mill (Pvt) Ltd
	0323-4856346	Sample Matrix:	Waste Water Sample
	15-01-2023	Sampled By:	GCEC
Sample Date:	16-01-2023	Date of Completion of Analysis:	20-01-2023
	Grab Sampling		
	JKS Unit-1, Chak # 84/15L, 15 Km, Vehari Road, Kacha Khoo, Mian Chanu, Distri : Khanewal		

Sample Identification

Analysis	Analysis Method	Unit	LOR	Result 01	PEQS
PHYSICAL & CHEMICAL ANALYSIS					
	APHA-2550-B	°C	-	1.5	≤3
	APHA-4500-H+ B	pH unit	0.01	7.77	6-9
Solved Solid (TDS)**	APHA-2540 C	mg/l	1.0	7720	3500
Grease**	USEPA-1664	mg/l	0.2	<0.2	10
al Oxygen Demand	APHA-5210 B	mg/l	1.0	16.0	80
al Oxygen Demand**	APHA-5220-D	mg/l	1.0	46.0	150
pended Solid**	APHA-2540-C	mg/l	1.0	44.0	200

LOR: Limit of Reporting PEQS: Punjab Environmental Quality

ations:
t Detected

Uncertainty of all the parameters and laboratory conditions at the time of analysis will be provided as per client's requirement. The lab conditions are maintained at 25±5C° and humidity at 50±20%..
The results are solely of the sample provided. All the starred parameters are PNAC accredited.

DRAFT

Sample Analyzed By:

Analyst
Mr. Idrees Zaman

Name of Chief Analyst with Seal:

Mr. Usman Raza Jaswal

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Punjab-EPA Certified
Lahore Laboratory
Federal-EPA Certified
Islamabad Laboratory

Ambient Air & Noise Monitoring

NEAR FACTORY LAB

(JK Sugar Mill, Vehari)

DRAFT

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Environmental Consultants (Pvt) Ltd.

Punjab EPA Certified
Federal EPA Certified

Ambient Air Quality Monitoring

Reference Number	GCEC-PK-PU-14/2023
Monitoring Point	Near Factory Lab
Date of Intervention	14-01-2023 to 15-01-2023
Monitoring Coordinates	30°14'57.0"N 72°11'24.1"E
Monitoring Validated By	Mr. Shamshad Ahmad

Parameter	Unit	Monitoring Duration	LDL	Average Obtained Concentration	PEQS
Suspended Particulate Matter (SPM)	µg/m³	24 Hours	1.00	163.5	500.0

Abbreviations:
µg/m³= Micrograms per Cubic Meter
LDL= Lowest Detection Limit
PEQS= Punjab Environmental Quality Standards

DRAFT

Monitoring Performed By:

Deputy Analyst
Ahmed Malik

Name of Chief Analyst with Seal:

Mr. Usman Raza Jaswal

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Environmental Consultants (Pvt) Ltd.

Punjab-EPA Certified
Lahore Laboratory
Federal-EPA Certified
Islamabad Laboratory

Noise Level Monitoring Report

Reference Number	GCEC-PK-PU-14/2023
Monitoring Point	Near Factory Lab
Period of Intervention	14-01-2023 to 15-01-2023
Monitoring Coordinates	30°14'57.0"N 72°11'24.1"E
Monitoring Validated By	Mr. Shamshad Ahmad

Time	Method/Technique	Unit	Results LAavg	PEQS (Commercial)
23:00	Noise Meter	dB	42.5	
00:00	Noise Meter	dB	40.2	
01:00	Noise Meter	dB	39.7	
02:00	Noise Meter	dB	42.3	
03:00	Noise Meter	dB	43.7	55.0
04:00	Noise Meter	dB	41.9	
05:00	Noise Meter	dB	44.2	
06:00	Noise Meter	dB	42.5	
Night Time Average		**dB**	**42.18**	**55.0**
07:00	Noise Meter	dB	51.1	
08:00	Noise Meter	dB	54.2	
09:00	Noise Meter	dB	53.2	
10:00	Noise Meter	dB	52.8	
11:00	Noise Meter	dB	53.3	
12:00	Noise Meter	dB	51.7	
13:00	Noise Meter	dB	53.2	
14:00	Noise Meter	dB	54.6	
15:00	Noise Meter	dB	52.5	65.0
16:00	Noise Meter	dB	54.4	
17:00	Noise Meter	dB	54.8	
18:00	Noise Meter	dB	52.1	
19:00	Noise Meter	dB	50.6	
20:00	Noise Meter	dB	48.9	
21:00	Noise Meter	dB	46.4	
22:00	Noise Meter	dB	51.1	
Day Time Average		**dB**	**51.95**	**65.0**

DRAFT

Monitoring Performed By:

Deputy Analyst
Ahmed Malik

Name of Chief Analyst with Seal:

Mr. Usman Raza Jaswal

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...een Crescent
...mental Consultants (Pvt) Ltd.

Punjab-EPA Certified
Lahore Laboratory

Stack Emission Monitoring Report

...Name: JK Sugar Mill (PVT) LTD.
...Number: GCEC-PK-PU-14/2023
Reporting Date: 20-Jan-2023

Monitoring Point Details & Monitoring Results

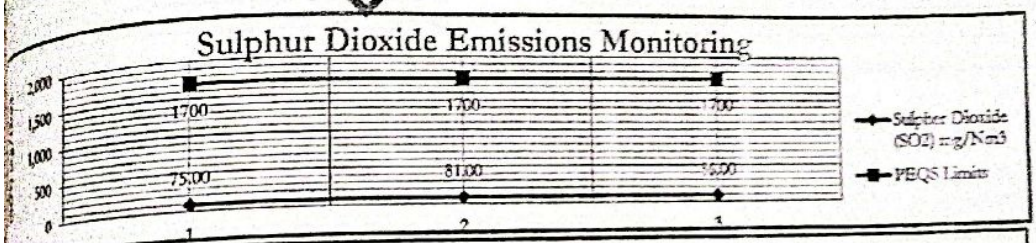
...ring Point:	Boiler-3	Monitoring Time:	17:49
...Type:	On Load	Monitoring Date:	14-Jan-23
...ring Location:	Baggasse	Instrument Used:	Lancom-IV
...ring Validation By:	Vehari	Capacity	32 Tons
	Mr.Shamshad Ahmad		

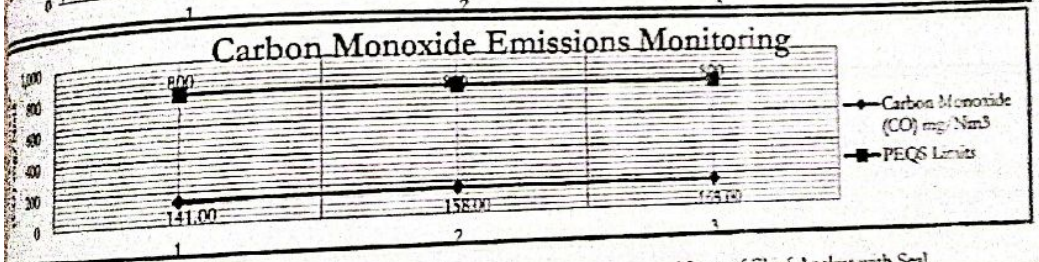
Parameters	Unit	Reading 01	Reading 02	Reading 03	Limits as per PEQS
...n Dioxide (CO2)	%	7.56	8.17	8.25	-
...(O2)	%	13.02	12.58	11.85	-
...Monoxide (CO)	mg/Nm³	141.00	158.00	163.00	800
...Dioxide (SO2)	mg/Nm³	75.00	81.00	86.00	1700
...gen Dioxide (NO2)	mg/Nm³	12.00	17.00	22.00	-
...gen Oxide (NO)	mg/Nm³	208.00	217.00	231.00	-
	mg/Nm³	220.00	234.00	255.00	-
...ity	Ringlemann		1.00		2
...Solute Matter	mg/Nm³		115.30		-

DRAFT

Abbreviations:

PEQS=Punjab Environmental Quality Standards
mg/Nm3=Milligram/Normal meter cube





Deputy Analyst
Ahmed Malik

Name of Chief Analyst with Seal
Usman Raza Jaswal

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Green Crescent
Environmental Consultants (Pvt) Ltd.

Punjab EPA Certified
Colour Laboratory

Stack Emission Monitoring Report

JK Sugar Mill (PVT) LTD.
GCEC-PK-PU-14/2023

Reporting Date: 20-Jan-2023

Monitoring Point Details & Monitoring Results

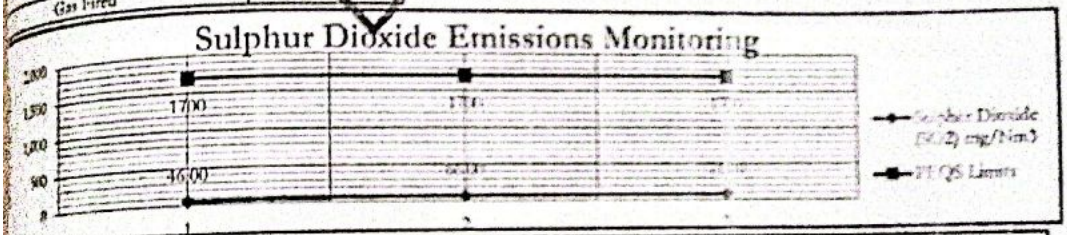
Monitoring Point:	Generator - 1	Monitoring Time:	18:20
	On Load	Monitoring Date:	14-Jan-23
	Diesel	Instrument Used:	Lancom IV
Monitoring Location:	Vehari	Capacity	520 KVA
Result Validation By:	Mr Shamshad Ahmad		

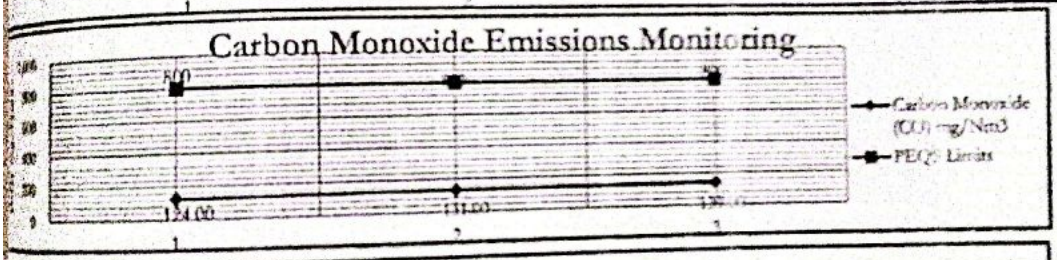
Parameters	Unit	Reading 01	Reading 02	Reading 03	Limits as per PEQS
Carbon Dioxide (CO2)	%	7.08	7.38	8.11	-
Oxygen (O2)	%	12.25	11.97	11.59	-
Carbon Monoxide (CO)	mg/Nm³	124.00	131.00	139.00	800
Sulphur Dioxide (SO2)	mg/Nm³	46.00	66.00	71.00	1700
Nitrogen Dioxide (NO2)	mg/Nm³	5.00	9.00	15.00	-
Nitrogen Oxide (NO)	mg/Nm³	144.00	151.00	159.00	-
Oxides of Nitrogen (NOx)	mg/Nm³	149.00	160.00	174.00	600*
Smoke Density	Ringlemann		1.00		2
Particulate Matter	mg/Nm³		72.00		300

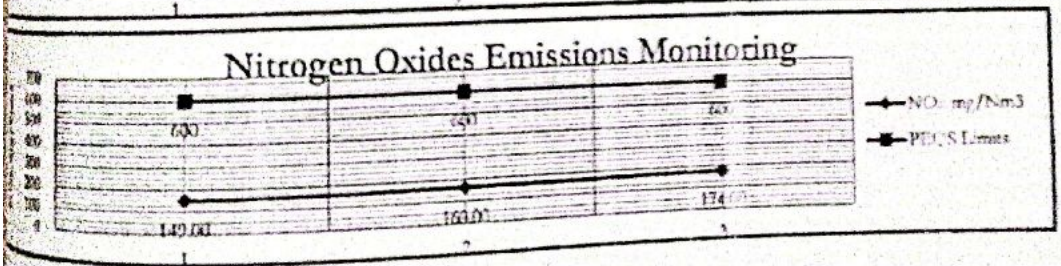
Limit of NOx according to Fuel type as per PEQS	
Oil Fired	600
Coal Fired	1200
Gas Fired	400

Abbreviations
PEQS=Punjab Environmental Quality Standards
mg/Nm3=Milligrams/Normal meter cube

DRAFT







Deputy Analyst
Ahmed Malik

Name of Chief Analyst with Seal
Usman Raza Jaswal

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PICTORIAL EVIDENCE OF AMBIENT AIR, NOISE, STACK EMISSION MONITORING AND WATER SAMPLING

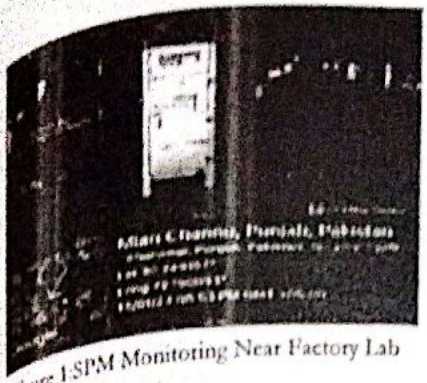


Figure 1:SPM Monitoring Near Factory Lab

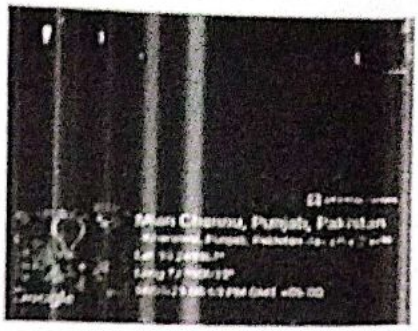


Figure 2: Noise Monitoring Near Factory Lab

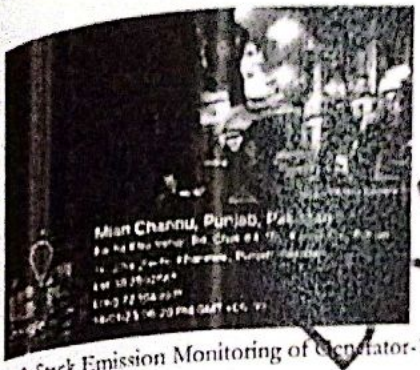


Figure 3: Stack Emission Monitoring of Generator-1



Figure 4: Stack Emission Monitoring of Boiler-3

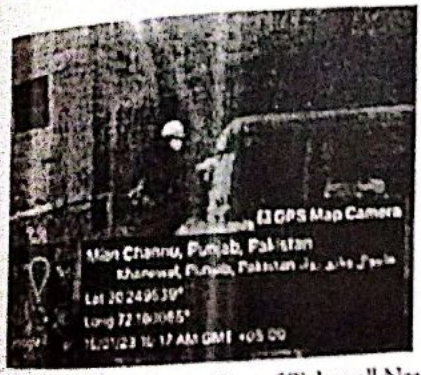


Figure 5: Ground Water Sampling of Tubewell Near Residential Colony

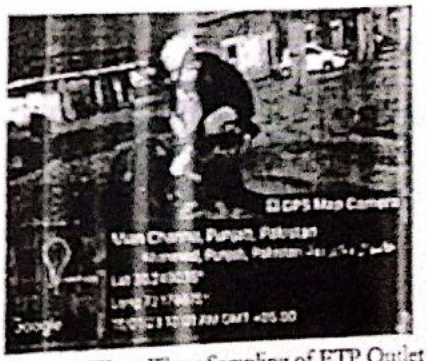
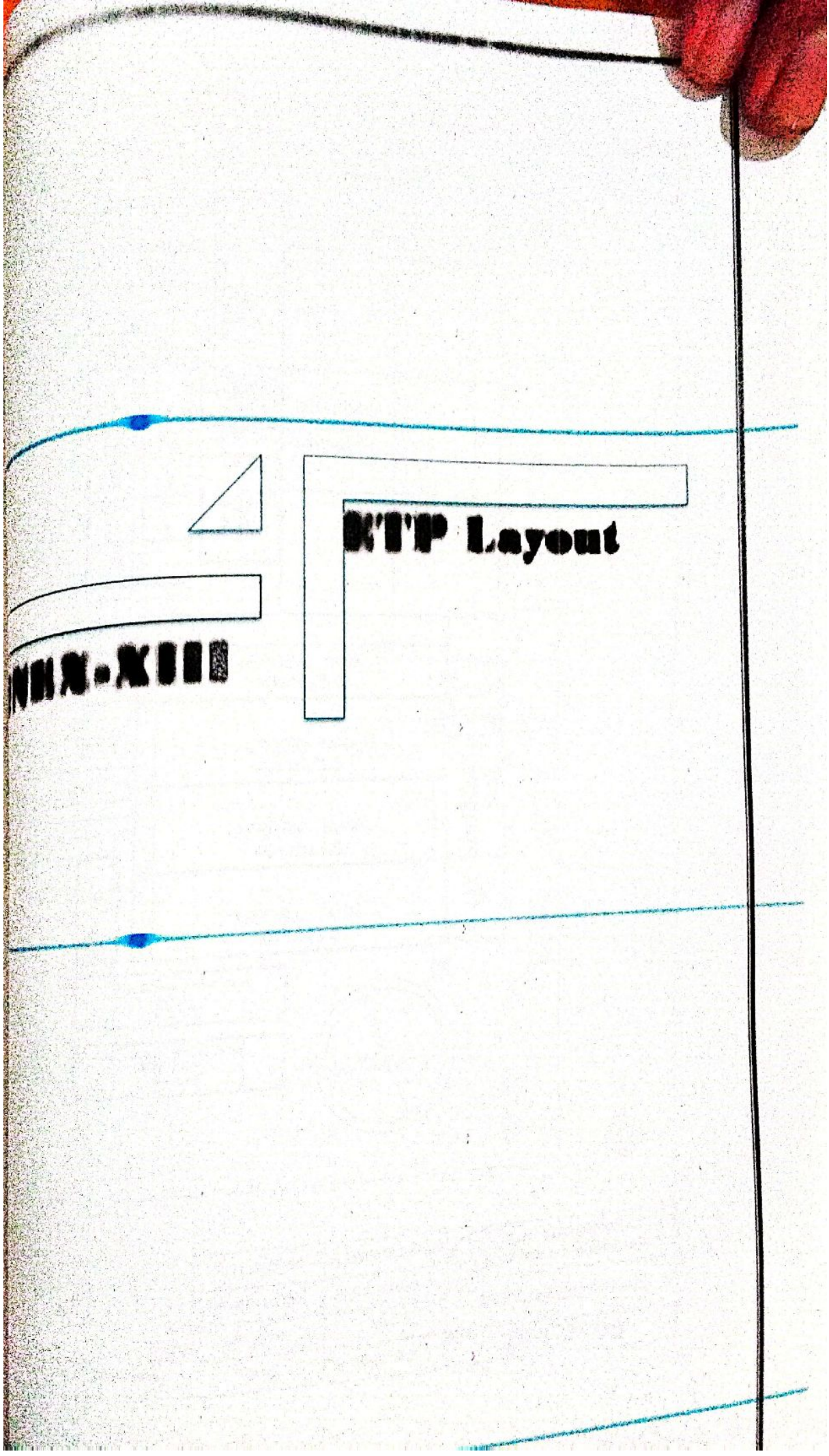


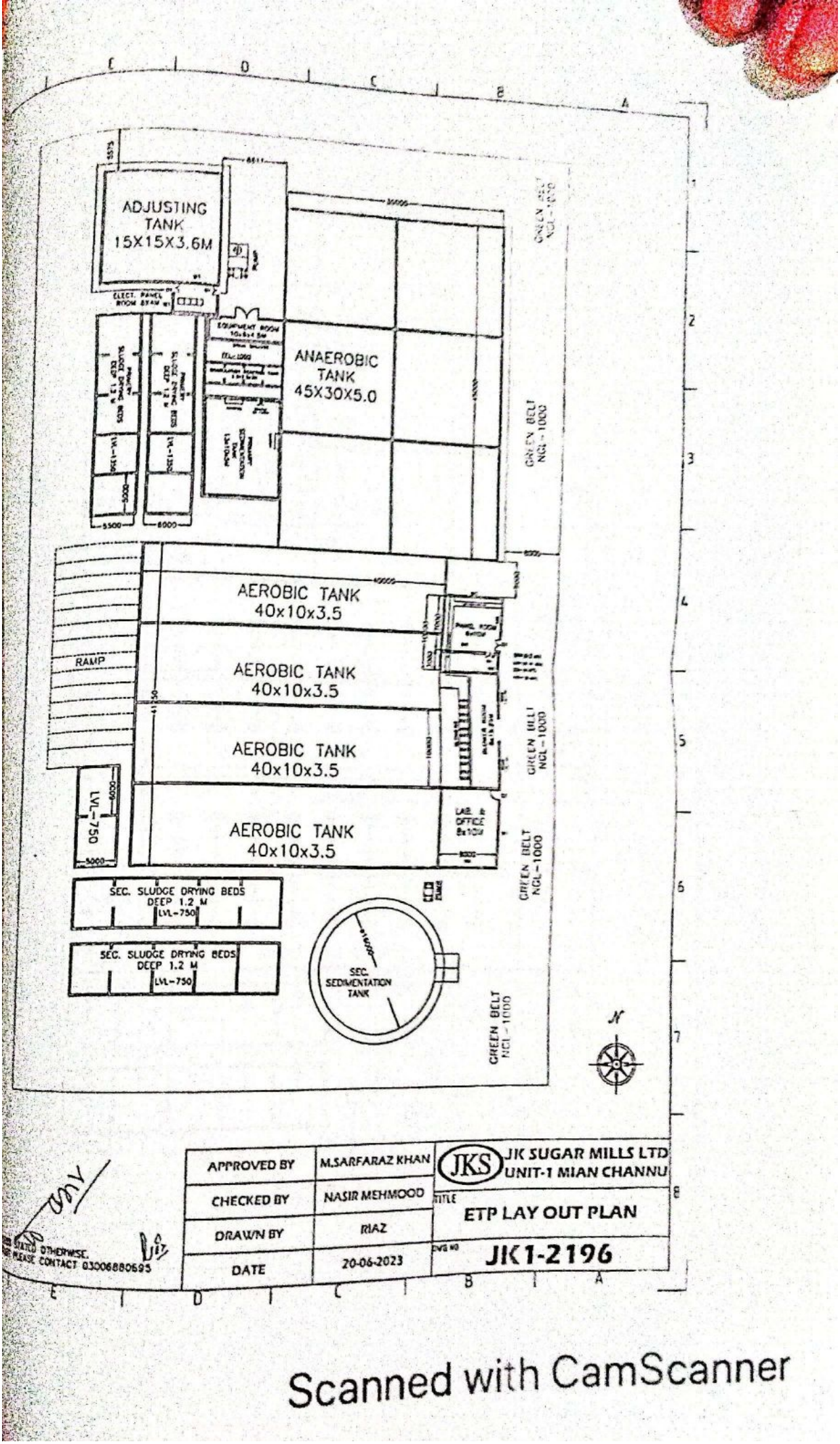
Figure 6: Waste Water Sampling of ETP Outlet

End of Report

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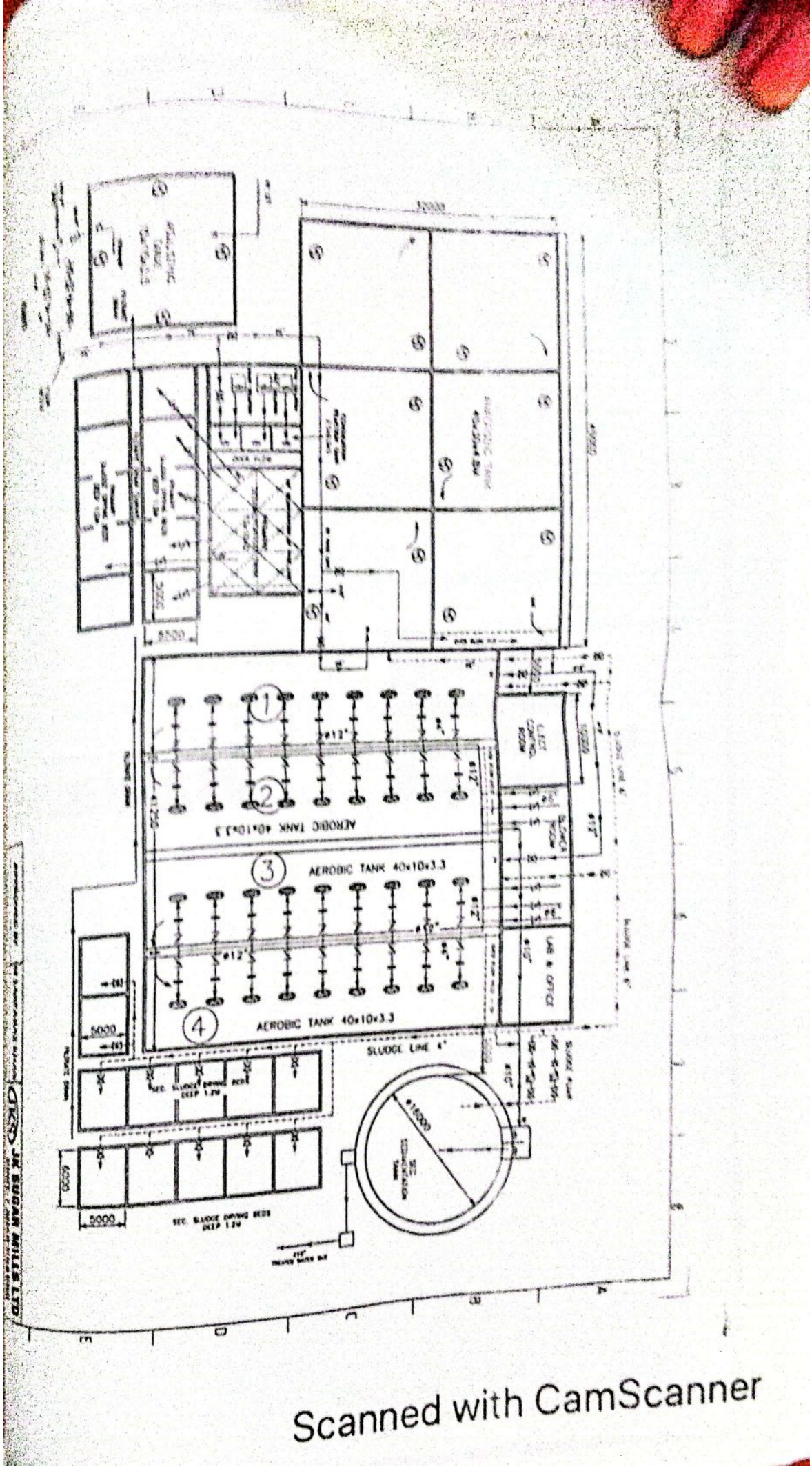


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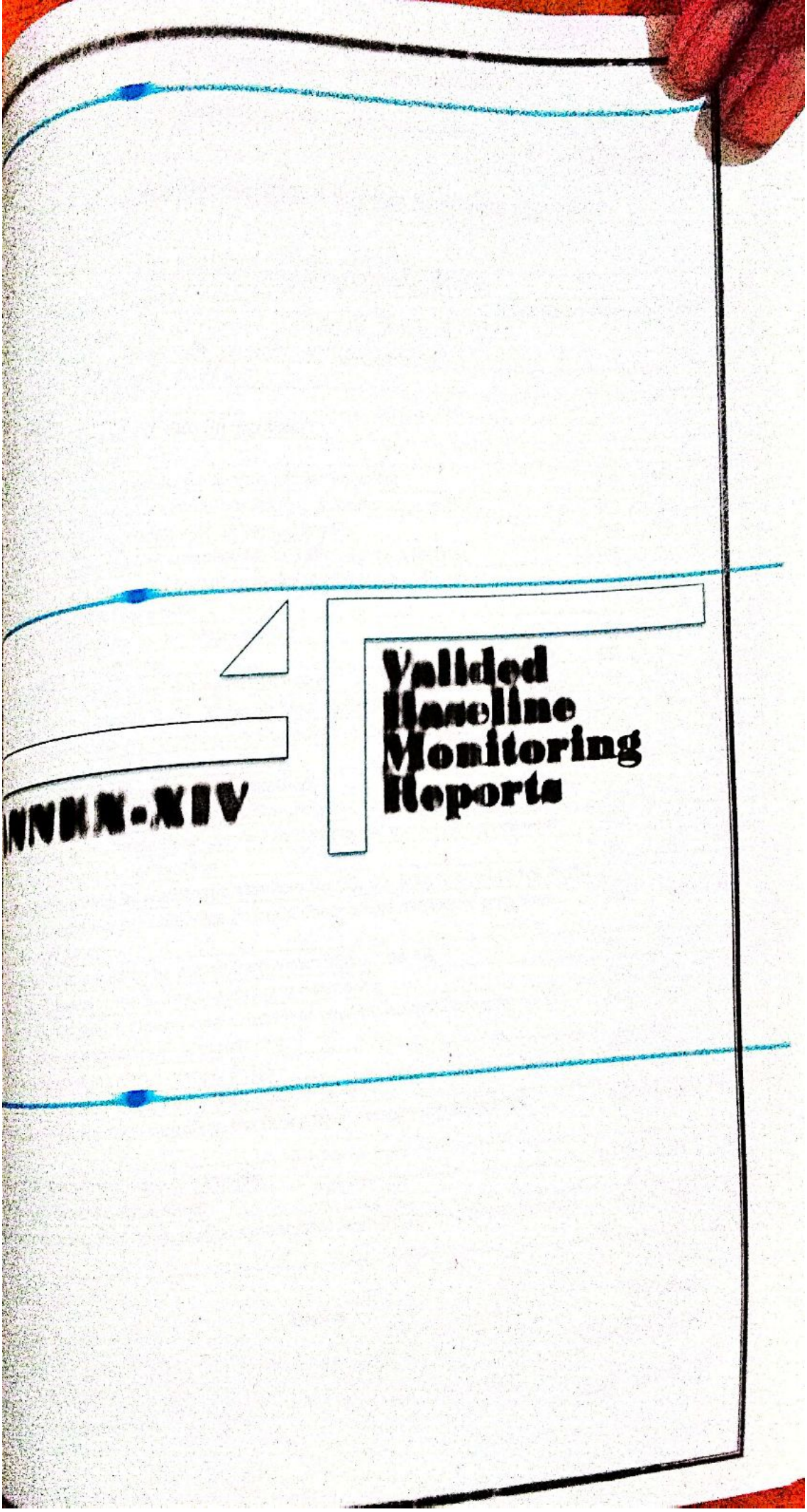
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GOVERNMENT OF THE PUNJAB
National Hockey Stadium, Gate No. 08
Gaddafi Stadium Complex, Lahore

204-A
ted 27-06-23

Validation for Stack & Ambient Monitoring / Sampling

Emission Monitoring under CTM-34 or OTM-39				
ne &	JK Sugar Mills Chak No 84/15-L, Tehsil Mian Channu District Khanewal Sugar Mill	No of Stacks /Sampling Point		
tegory				
odel & Make				
ck emission Values of CO, NOx (in mg/nM3)				
Excess Oxygen (%age): -				
posed for Ramp-Up phase to the sample gas for 5 minutes		Yes	NO	NA
w rate and EC temperature monitored during calibration and testing		Yes	No	NA
ake of sample gas recorded with 15 second interval		Yes	No	NA
rements to ensure QA/QC complied for said EPA approved Method		Yes	No	NA
Matter (PM) Monitoring / Sampling under USEPA Method 5 / 17				
ake of Iso-kinetic PM Assembly				
pling train is complete as per Method 5 & 17		Yes	No	NA
rformed prior to sampling		Yes	N	NA
heet for PM Sampling filled during PM sampling		Yes	No	NA
ermining of "K" factor & DGM "Y" Factor filled during sampling		Yes	No	NA
ley requirements during sampling were compiled to ensure QA/QC		Yes	No	NA
rticulate matter is suitable for metal Testing		Yes	No	NA
g as per Method 8 (Thorin Indicator Method)				
sorbent solution are available for SOx Sampling		Yes	No	NA
ent is capable to maintain flow rate @ 2.0LPM or as per method 8 requirement		Yes	No	NA
SOx is performed as per method		Yes	No	NA
r Quality Monitoring by Automatic Monitors for CO, O3, SO2, NOx, PM2.5 & PM10				
ntinuous monitoring at a site, One Point QC Check Single analyzer & zero/span formed every 14 days.		Yes	No	NA
Ox analyzer is ensured to be maintained within 96% - 104.1%		Yes	No	NA
heck is performed prior to starting ambient monitoring		Yes	No	NA
rements for Critical & Operational Criteria for ambient air monitoring by nitors were compiled during monitoring		Yes	No	NA
g techniques of monitors comply PEQS		Yes	No	NA
Sampling of SPM, PM10, Pb by High Volume Sampler				
pling for SPM through samplers, the flow rate of sampler complies PEQS		Yes	No	NA
Sampler performed prior to sampling		Yes	No	NA
sions & Noise Measurement				
hicle emissions and noise measurement have been performed as per method		Yes	No	NA

s (if Any):-

Dated

19/06/2023

Signature

Shahzad Ali
Asst. Analyst

ch Officer
Protection Agency
h Lahore

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ENVIRONMENTAL PROTECTION AGENCY
GOVERNMENT OF THE PUNJAB0
National Hockey Stadium, Gate No. 08
Gaddafi Stadium Complex, Lahore

Validation for Wastewater & Drinking Water

Name and	JK Sugar Mills Chak No 84/15 L, Tehsil Mian Channu Distt Khanewal	Sampling Point Tap water
Lab	ESPAK	

Wastewater (WW) Treatment facility: Secondary / Tertiary / NA

Drinking Water (W) Treatment Facility: Chemical / RO / Ground / NAO

Total Collected Drinking water samples 01

Sample			
Testing parameter is assigned on sample container	Yes ✓	NO	NA
Used properly for each testing parameter	Yes ✓	NO	NA
Adequate for testing the target parameters	Yes ✓	NO	NA
Measurement performed to ensure sample representativeness	Yes	NO ✓	NA

Waste Water Flow m^3/hr from each outlet (Optional)	Water intake m^3/hr (Optional)	Water Mass balance complied during sampling (Optional) Yes / No	Sample Type Grab ✓ / Composite G/W

	Matrix W	Matrix WW	Container	Sample Size	Preservation	Yes	NO	NA
Fecal	✓		Sterile Container	100 mL	Refrigerate 6 C	✓		
Fecal, Chlorinated	✓		Sterile Container	100 mL	0.008% Thiosulphate & cooled 6 C	✓		
	✓		P,G	500 mL	Cool 6 C	✓		
	✓		P,G	500ml	HNO3 to pH<2	✓		
Nitrite, Phenolic Grease, COD, NH3	✓		P,G	2000 mL	H2SO4 to pH < 2, Cool 6C	✓		
	✓		P,G Rinsed 1.1 HNO3	500 mL	HNO3 to pH < 2	✓		
	✓		P,G	500 mL	NaOH to pH > 12, Cool 6C	✓		
			Glass	1 Liter	Cool 6 C			

		pH meter, Model Make	Measurement Method	Calibrated in Field Yes / NO	Measured value

Dated 19/06/23

Signature Shahzad Ali, Asst. Analyst

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ENVIRONMENTAL SERVICES PAKIST

CHEMICAL ANALYSIS TEST REPORT (AMBIENT AIR)

ESPAK/0372P/23/AA/3528/00339 **Date:** 27/06/2023

ment: Capacity Enhancement of Sugar Mill (20,000 – 25,000 tons/day) of M/s Jk Sugar Mills, Khanewal

Chak o. 84/15- L, Tehsil Mian Channu and District Khanewal

---

ection: Ambient Air

ent By: 19/06/2023 **Monitoring Location:** Mid-Point of Site (GPS: 30.249565°N 72.18634°E)

e of Analysis: Mehmood Aslam, Analyst (Field), ESPAK **Grab / Composite:** Continuous- 24 Hours

20/06/2023

rameters	Limit Values (PEQS-24Hours)	Concentration	Method / Equipment Used	Remarks
ide (CO)	5 mg/m³ (8 Hours)	1.3 mg/m³	Non Dispersive Infrared Absorption (NDIR)	Within Prescribed Limits
e (SO_2)	120 µg/m³	18.9 µg/m³	UV Fluorescence (UVF)	Within Prescribed Limits
	130 µg/m³ (1 Hour)	27.2 µg/m³	Non Dispersive UV Absorption	Within Prescribed Limits
ogen as NO	40 µg/m³	8.7 µg/m³	Chemiluminescence Detection	Within Prescribed Limits
ogen as NO_2	80 µg/m³	31.2 µg/m³	Chemiluminescence Detection	Within Prescribed Limits
matter $PM_{2.5}$	35 µg/m³	31.5 µg/m³	Particulate Sensor	Within Prescribed Limits
Matter PM_{10}	150 µg/m³	141 µg/m³	Particulate Sensor	Within Prescribed Limits
rticulate Matter (SPM)	500 µg/m³	384 µg/m³	High Volume Sampler (HVS)	Within Prescribed Limits

mental Quality Standards for Ambient Air, 2016

surement (UoM) data will be provided on request, where available. The statement of conformity, if provided in the report, is based on the e acceptance or rejection with equal shared risk due to measurement uncertainty.

uld be reproduced as a whole and not in parts.
city of the ethical use of this report lies with the client.
resent sample conditions when monitoring/testing was carried out.
a is not intended to be used legally by the client.

ed By: Mehmood Aslam
Analyst (Field)

nalyst with Seal: Muhammad Arfan

harge of the Environmental Laboratory:

Environmental Services Pakistan ESPAK Tel: +924235150012-17

Name: Imran Malik
General Manager
Date: 27/06/2023

---------- End of Report ----------

ffice
. 731,
Sector D1,
i Road, Township
Pakistan.
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NOISE MONITORING REPORT

ESPAK/0372P/23/N/3529/00397

Date: 27/06/2023

Capacity Enhancement of Sugar Mill (20,000 – 25,000 tons/day) of M/s Jk Sugar Mills, Khanewal

Chak o. 84/15- L, Tehsil Mian Channu and District Khanewal

Noise

19/06/2023 Grab / Composite: Continuous 24-Hours

Mehmood Aslam, Analyst (Field), ESPAk

20/06/2023

Sound Level Meter

Measurement Point	Limit Values (PEQS)	Noise Level in dB(A) Leq	Remarks
72.18634°E) - Day time	75 dB(A)	73 dB(A)	Within Prescribed Limits
72.18634°E) - Night time	65 dB(A)	62 dB(A)	Within Prescribed Limits

Quality Standards for Noise in Industrial Area, 2016 Day Time Hours (6:00 am to 10:00 pm) Night Time Hours (10:00 pm to 6:00 am)
ement (UoM) data will be provided on request, where available. The statement of conformity, if provided in the report, is based on the
ceptance or rejection with equal shared risk due to measurement uncertainty.

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of the ethical use of this report lies with the client.
ent sample conditions when monitoring/testing was carried out.
is not intended to be used legally by the client.

Mehmood Aslam
Analyst (Field)

Analyst with Seal: Muhammad Arfan

Environmental Services Pakistan

Charge of the Environmental Laboratory:

Name: Imran Malik
General Manager

Date: 27/06/2023

---------- End of Report ----------

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ENVIRONMENTAL SERVICES PAKIST

PAK EPA & PUNJAB EPD CE

CHEMICAL ANALYSIS TEST REPORT (GROUND WATER)

Date: 27/06/2023

Capacity Enhancement of Sugar Mill (20,000 - 25,000 tons/day) of M/s JK Sugar Mills, Khanewal

Chak # 84/15-L, Tehsil Mian Channu and District Khanewal

Ground Water

20/06/2023

Grab / Composite: Grab

19/06/2023

Mehmood Aslam, Analyst (Field), ESPAK

27/06/2023

Limit Values (DW-PEQS)	Concentration	Method / Equipment Used	Remarks
	ND	SMWW 9221 B	----
Must not be detectable in any 100ml Sample	ND	SMWW 9221 F	Within Limits
≤15 TCU	ND	SMWW 2120 C	Within Limits
Non Objectionable / Acceptable	Acceptable	Organoleptic	Within Limits
Non Objectionable / Acceptable	Acceptable	Organoleptic	Within Limits
<5 NTU	ND	SMWW 2130B	Within Limits
<500 mg/L	148 mg/L	SMWW 2340C	Within Limits
<1000 mg/L	256 mg/L	SMWW 2540C	Within Limits
6.5-8.5	7.7	SMWW 4500H+B	Within Limits
≤50 mg/L	3.8 mg/L	SMWW 4500NO3-B	Within Limits
≤3 mg/L	ND	SMWW 4500NO2-B	Within Limits
0.2-0.5 mg/L	ND	SMWW 4500-Cl B	----
<250 mg/L	17 mg/L	SMWW 4500Cl-B	Within Limits
≤1.5 mg/L	0.1 mg/L	U.S. EPA 9214	Within Limits
NGVS	ND	SMWW 5530 C	----
≤0.05 mg/L	ND	SMWW 4500 CN- F	Within Limits
0.01 mg/L	ND	U.S. EPA-200.7	Within Limits
≤0.05 mg/L	ND	U.S. EPA-200.7	Within Limits
2.0 mg/L	ND	U.S. EPA-200.7	Within Limits
≤0.05 mg/L	ND	U.S. EPA-200.7	Within Limits
≤0.001 mg/L	ND	U.S. EPA-200.7	Within Limits
≤0.02 mg/L	ND	U.S. EPA-200.7	Within Limits
5.0 mg/L	0.02 mg/L	U.S. EPA-200.7	Within Limits

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ENVIRONMENTAL SERVICES PAKISTAN

PAK EPA & PUNJAB EPD CERTIFIED

CHEMICAL ANALYSIS TEST REPORT (GROUND WATER)

ESPAK/0372P/23/GW/3530/00839 Date: 27/06/2023

Capacity Enhancement of Sugar Mill (20,000 ~ 25,000 tons/day) of M/s Al Sugar Mills, Khanewal

	Limit Values (DW-PEQS)	Concentration	Method / Equipment Used	Remarks
	≤0.05 mg/L	ND	U.S. EPA-200.7	Within Limits
	0.7 mg/L	0.03 mg/L	U.S. EPA-200.7	Within Limits
	≤0.2 mg/L	ND	U.S. EPA-200.7	Within Limits
	≤0.5 mg/L	0.01 mg/L	U.S. EPA-200.7	Within Limits
	0.3 mg/L	0.02 mg/L	U.S. EPA-200.7	Within Limits
	Must not be detectable in any 100mL sample	ND	SM#9221 F	Within Limits
	≤0.005 mg/L	ND	U.S. EPA-200.7	Within Limits
	0.01 mg/L	ND	U.S. EPA-200.7	Within Limits

...mental Quality Standards for Drinking Water, 2016
...ds for the Examination of Water and WasteWater 23rd Edition, American Public Health Association, American Water Works Association, ...ington USA (2017)
...nmental Protection Agency
...ual Set

...measurements were carried out at 25 ± 5 °C and 50 ± 20 % Relative Humidity conditions unless required otherwise.
...ment (RoM) data will be provided on request, where available. The statement of conformity, if provided in the report, is based on the ...mpliance or rejection with equal shared risk due to measurement uncertainty.

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...ent sample conditions when monitoring/testing was carried out.
...not intended to be used legally by the client.
...marked with asterisk (*) are ISO 17025:2017 accredited.

	Waqas Ahmad	Abdul Aziz	Muhammad Shahid	Khizra Bano	Ghulam Mustafa
...by:	Analyst (ICP-AES)	Analyst (Chemical)	Analyst (Chemical)	Analyst(Microbiology)	Analyst (Chemical)

...lyst with Seal: Muhammad Arfan

...ge of the Environmental Laboratory:

Name: Imran Malik
General Manager
Date: 27/06/2023

End of Report

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QUESTIONNAIRE FOR SOCIOECONOMIC SURVEY

Personal Information

Samuel

Khanewal

Contact # CNIC 36605-1827073-

26

Primary

Marital Status

• Married ✓ Single

Married, No. of children Nill

Christ

No. of earning members in family 01

Total income/ occupation 27,000

Is there any family member suffering from some disease?

No

Receptors Information

How many hospitals/ dispensaries are available in the area?

01

How many schools and colleges are present in the area?

01

Project Information

Do you know about this project? How were you informed?

Yes. While Survey

What do you think about the Project? Do you think it should be applied? Why, why not?

Yes. Employment

What do you think would be the positive/ negative effects of the Project?

Wife Safe Production

What will be the Health and Safety Issue due to this project in your point of view?

No

Would you like to add anything else?

No

Signed By:

Sign of Person (Interviewed) Samuel

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QUESTIONNAIRE FOR SOCIOECONOMIC SURVEY

Personal Information

Name M. Ramzan Mashq

Address Khanewal

Contact #/ CNIC 36102-8387630-5

Age 41

Education Primary

Marital Status

✓ Married ○ Single

If married, No. of children 05

Religion Islam

No. of earning members in family 02

Total income/ occupation 54,000

Is there any family member suffering from some disease?

No

Receptors Information

How many hospitals/ dispensaries are available in the area?

01

How many schools and colleges are present in the area?

01

Project Information

Do you know about this project? How were you informed?

Yes, via mill worker

What do you think about the Project? Do you think it should be applied? Why, why not?

Yes. Make sugar production.

What do you think would be the positive/ negative effects of the Project?

Increased labour

What will be the Health and Safety Issue due to this project in your point of view?

No

Would you like to add anything else?

No

Interviewed By:

Sign of Person (Interviewed) Ramzan

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QUESTIONNAIRE FOR SOCIOECONOMIC SURVEY

Personal Information

Name M. Arshad

Address Khanewal

CNIC 36103-2235588-7

Age 39

Education Nill

Marital Status ✓ Married • Single

If married, No. of children 08

Religion Islam

No. of earning members in family 02

Total income/ occupation 61,000

Is there any family member suffering from some disease?

No

Receptors Information

How many hospitals/ dispensaries are available in the area?

01

How many schools and colleges are present in the area?

01

Project Information

Do you know about this project? How were you informed?

Yes. Via Survey

What do you think about the Project? Do you think it should be applied? Why, why not?

Yes. More employment

What do you think would be the positive/ negative effects of the Project?

More sugar production capacity

What will be the Health and Safety Issue due to this project in your point of view?

No

Would you like to add anything else?

No

Reviewed By:

Sign of Person (Interviewed) Arshad

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QUESTIONNAIRE FOR SOCIOECONOMIC SURVEY

Personal Information

Name: M. Shaban

Address: Kharewal

Contact # / CNIC: 303-7252165

Age: 47

Education: Primary

Marital Status: ✓ Married ○ Single

If married, No. of children: 03

Religion: Islam

No. of earning members in family: 01

Total income/ occupation: 32,000

Is there any family member suffering from some disease?

No

Receptors Information

How many hospitals/ dispensaries are available in the area?

01

How many schools and colleges are present in the area?

01

Project Information

Do you know about this project? How were you informed?

Yes, Cousin working in Mill

What do you think about the Project? Do you think it should be applied? Why, why not?

Yes. More Employment

What do you think would be the positive/ negative effects of the Project?

Enhanced capacity of mill.

What will be the Health and Safety Issue due to this project in your point of view?

No

Would you like to add anything else?

No

Interviewed By:

Sign of Person (Interviewed) Shaban

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QUESTIONNAIRE FOR SOCIOECONOMIC SURVEY

Personal Information

Name: Sajjad Hussain

Address: Khanewal

Contact #/ CNIC: 3610[illegible]

Age: 40

Education: Primary

Marital Status

- Married ✓
- Single

If married, No. of children: 01

Religion: Islam

No. of earning members in family: 01

Total income/ occupation: 33,000

Is there any family member suffering from some disease?

NO

Receptors Information

How many hospitals/ dispensaries are available in the area?

01

How many schools and colleges are present in the area?

01

Project Information

Do you know about this project? How were you informed?

Yes. While survey

What do you think about the Project? Do you think it should be applied? Why, why not?

Yes. Production capacity enhancement

What do you think would be the positive/ negative effects of the Project?

No negative effect

What will be the Health and Safety Issue due to this project in your point of view?

No

Would you like to add anything else?

NO

Interviewed By:

Sign of Person (Interviewed)

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QUESTIONNAIRE FOR SOCIO-ECONOMIC SURVEY

Personal Information

Name Ms. Rizwana Jamil

Address Khamosh

Contact No/CNIC 3223-9226117

Age 24

Education Middle

Marital Status

✓ Married

If married, No. of children 02

Religion Islam

No. of earning members in family 01

Total income/ occupation 36,000

Is there any family member suffering from some disease?

NO

Receptors Information

1. How many hospitals/ dispensaries are available in the area?

01

2. How many schools and colleges are present in the area?

01

Project Information

1. Do you know about this project? How were you informed?

Yes. While survey.

2. What do you think about the Project? Do you think it should be applied? Why, why not?

Yes Employment & Production will increase

3. What do you think would be the positive/ negative effects of the Project?

No negative Effect

4. What will be the Health and Safety Issue due to this project in your point of view?

NO

5. Would you like to add anything else?

NO

Interviewed By:

Sign of Person (Interviewed) Rizwana

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QUESTIONNAIRE FOR SOCIOECONOMIC SURVEY

Personal Information

1. Name: Wali Ullah
2. Address: Khanoor
   Contact # / CNIC: 3610-3963000-
3. Age: 31
4. Education: Matric
5. Marital Status: ✓ Married • Single
6. If married, No. of children: 03
7. Religion: Islam
8. No. of earning members in family: 3
9. Total income/ occupation: 15000
10. Is there any family member suffering from some disease?
    No

Receptors Information

11. How many hospitals/ dispensaries are available in the area?
    01
12. How many schools and colleges are present in the area?
    0

Project Information

13. Do you know about this project? How were you informed?
    Yes. While survey
14. What do you think about the Project? Do you think it should be applied? Why, why not?
    Yes. Employement Opportunities
15. What do you think would be the positive/ negative effects of the Project?
    Enhanced Production Capacity
16. What will be the Health and Safety Issue due to this project in your point of view?
    NO
17. Would you like to add anything else?
    NO

Interviewed By: _____ Sign of Person (Interviewed) _____

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QUESTIONNAIRE FOR SOCIOECONOMIC SURVEY

Personal Information

1. Name Liaqat Hussain
2. Address Khanewal Contact #/ CNIC 0304-7112482
3. Age 29
4. Education Primary
5. Marital Status ✓ Married ◦ Single
6. If married, No. of children 02
7. Religion Islam
8. No. of earning members in family 01
9. Total income/ occupation 26,000
10. Is there any family member suffering from some disease? NO

Receptors Information

11. How many hospitals/ dispensaries are available in the area? 01
12. How many schools and colleges are present in the area? 01

Project Information

13. Do you know about this project? How were you informed? Yes. Na friend working in Mill
14. What do you think about the Project? Do you think it should be applied? Why, why not? Yes. Employment factor
15. What do you think would be the positive/ negative effects of the Project? Production increase
16. What will be the Health and Safety Issue due to this project in your point of view? NO
17. Would you like to add anything else? NO

Interviewed By: Sign of Person (Interviewed) Liaqat

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QUESTIONNAIRE FOR SOCIOECONOMIC SURVEY

Personal Information

1. Name Ghulam Shabbir
2. Address Khanewal
3. Age 26
4. Education
5. Marital Status ✓ Single ° Married
6. If married, No. of children Nil
7. Religion Islam
8. No. of earning members in family 01
9. Total income/ occupation 24,000
10. Is there any family member suffering from some disease? No

Contact #/ CNIC 0326-2081540

Receptors Information

11. How many hospitals/ dispensaries are available in the area? 01
12. How many schools and colleges are present in the area? 01

Project Information

13. Do you know about this project? How were you informed? Yes. While survay
14. What do you think about the Project? Do you think it should be applied? Why, why not? Yes. Employment
15. What do you think would be the positive/ negative effects of the Project? Production Enhancement
16. What will be the Health and Safety Issue due to this project in your point of view? No
17. Would you like to add anything else? No

Interviewed By:

Sign of Person (Interviewed)

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QUESTIONNAIRE FOR SOCIOECONOMIC SURVEY

Personal Information

1. Name M.Saleem Khan
2. Address Khanewal — Contact # / CNIC 0308-7132036
3. Age 27
4. Education Primary
5. Marital Status ✓Single / Married
6. If married, No. of children Nil
7. Religion Islam
8. No. of earning members in family 01
9. Total income/ occupation 33,000
10. Is there any family member suffering from some disease? No

Receptors Information

11. How many hospitals/ dispensaries are available in the area? 01
12. How many schools and colleges are present in the area? 01

Project Information

13. Do you know about this project? How were you informed? Yes While survey
14. What do you think about the Project? Do you think it should be applied? Why, why not? Yes. Employment factor
15. What do you think would be the positive/ negative effects of the Project? No negative effect
16. What will be the Health and Safety Issue due to this project in your point of view? No
17. Would you like to add anything else? No

Interviewed By: [signature]

Sign of Person (Interviewed) [signature]

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ANNEX-XVI

Authority Letter in favour of Proponent

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JK Sugar Mills (Pvt.) Limited

Appointment & Authorization of Environmental Consultants

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

In the matter of Project namely

ENVIRONMENTAL IMPACT ASSESSMENT OF JK SUGAR MILL LIMITED UNIT 1 (16000 TCD) LOCATED AT CHAK NO. 84/15- L, TEHSIL MIAN CHANNU AND DISTRICT KHANEWAL.

Know all to whom these presents shall come that I the undersigned appoint

M/S SMART SOLUTIONS

Plot # 8(G) Ground Floor Choudhry Arcade Plaza, New Civil Lines, Faisalabad

To be the environmental consultants for conducting Environmental Impact Assessment (EIA) and to submit the EIA report, follow-up the same till the final decision of: -

1. To conduct the EIA, prepare and submit the report before the EPA on behalf of the proponent.
2. 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.
3. To withdraw, re-submit, revise the report or any act deemed necessary or advised in any manner relating to the said matter.
4. To prepare (if applicable) and submit the Review Fee Instrument/Banker's Cheque, pay or receive money and obtain or grant receipts therefore and to do all other acts and things which may be necessary to be done for the progress in course of proceedings in the matter.
5. To appoint any Environmental Laboratory or other environmental expert authorizing him to conduct monitoring, surveys, data collection etc. whenever deemed fit to do so.
6. **To receive all the letters and NOC from EPA Punjab on behalf of client.**

Dated: 13.09.2023

Mr. Noor Ul Amin
(DGM HR/Admin & Security)
Proponent
JK Sugar Mill Pvt. Limited Unit 1,
Khanewal Punjab, Pakistan

JK Sugar Mills (Pvt) Ltd. Unit-I Khanewal

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Chak # 84/15L, 15 KM, Vehari Road Kacha Khoo, Mian Channu, District Khanewal. Ph: 0337-7808396-97 Email: unit1@jksugarmills.com
Khambhra, Taluka Ubauro, District Ghotki, Sindh. Ph: 068-5707100, Fax: 068-5707101, Email: unit2@jksugarmills.com

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JK Sugar Mills (Pvt.) Limited

AUTHORITY LETTER IN FAVOUR OF PROPONENT

Mr. Noor Ul Amin S/o Fazal Amin, DGM HR/Admin & Security of the Company having CNIC No. 17301-1356323-9 is hereby authorized on behalf of the Company, to proceed for Environmental Approval with Environment Protection Agency (EPA), Punjab and to represent, sign, submit, respond and receive all sorts of documents, correspondence and NOC in this regard.

Dated:13.09.2023

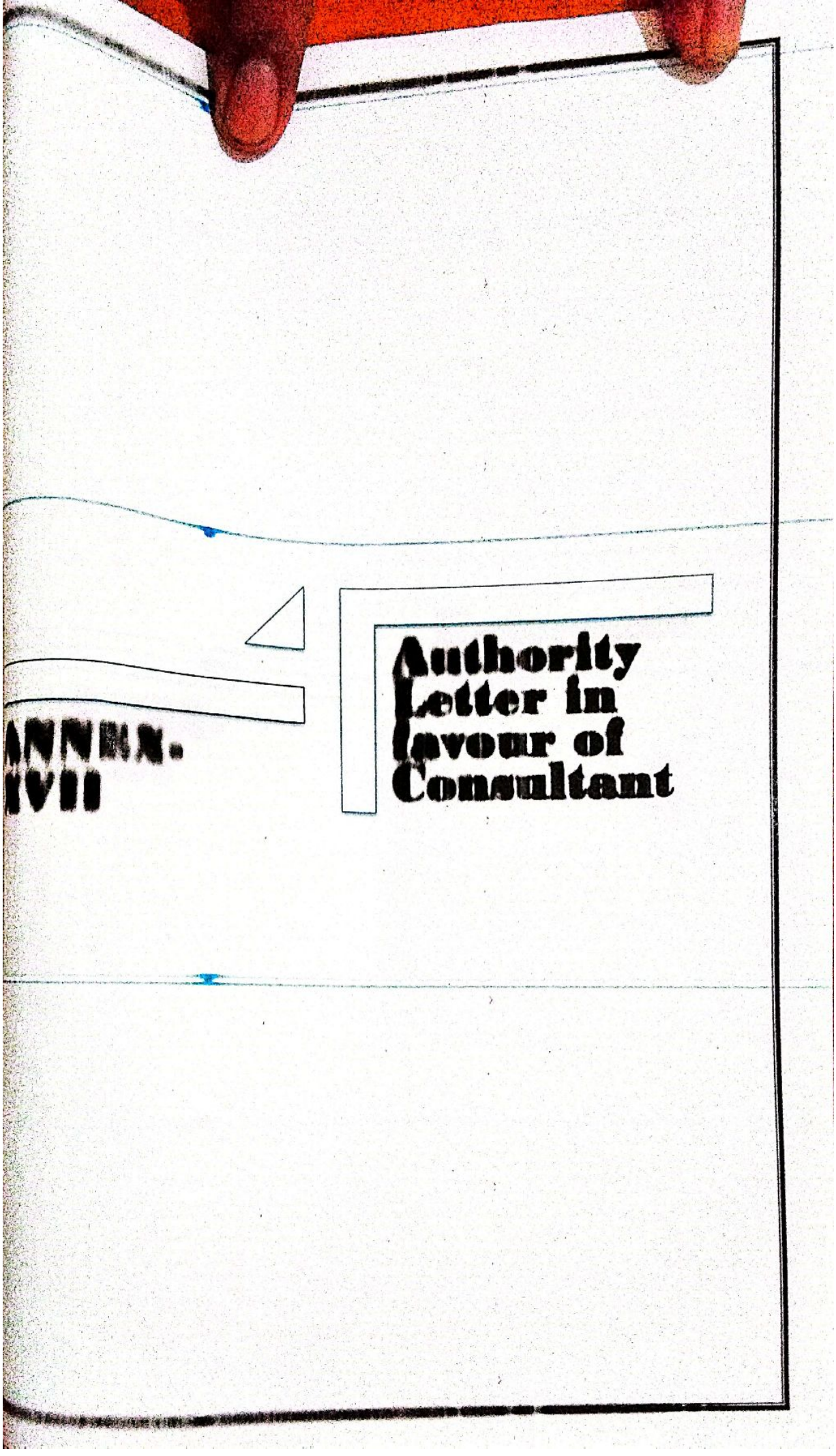
Noor ul Amin
DGM (HR/Admin & Security)

Mohammad Sarfaraz Khan
General Manager (Plant)

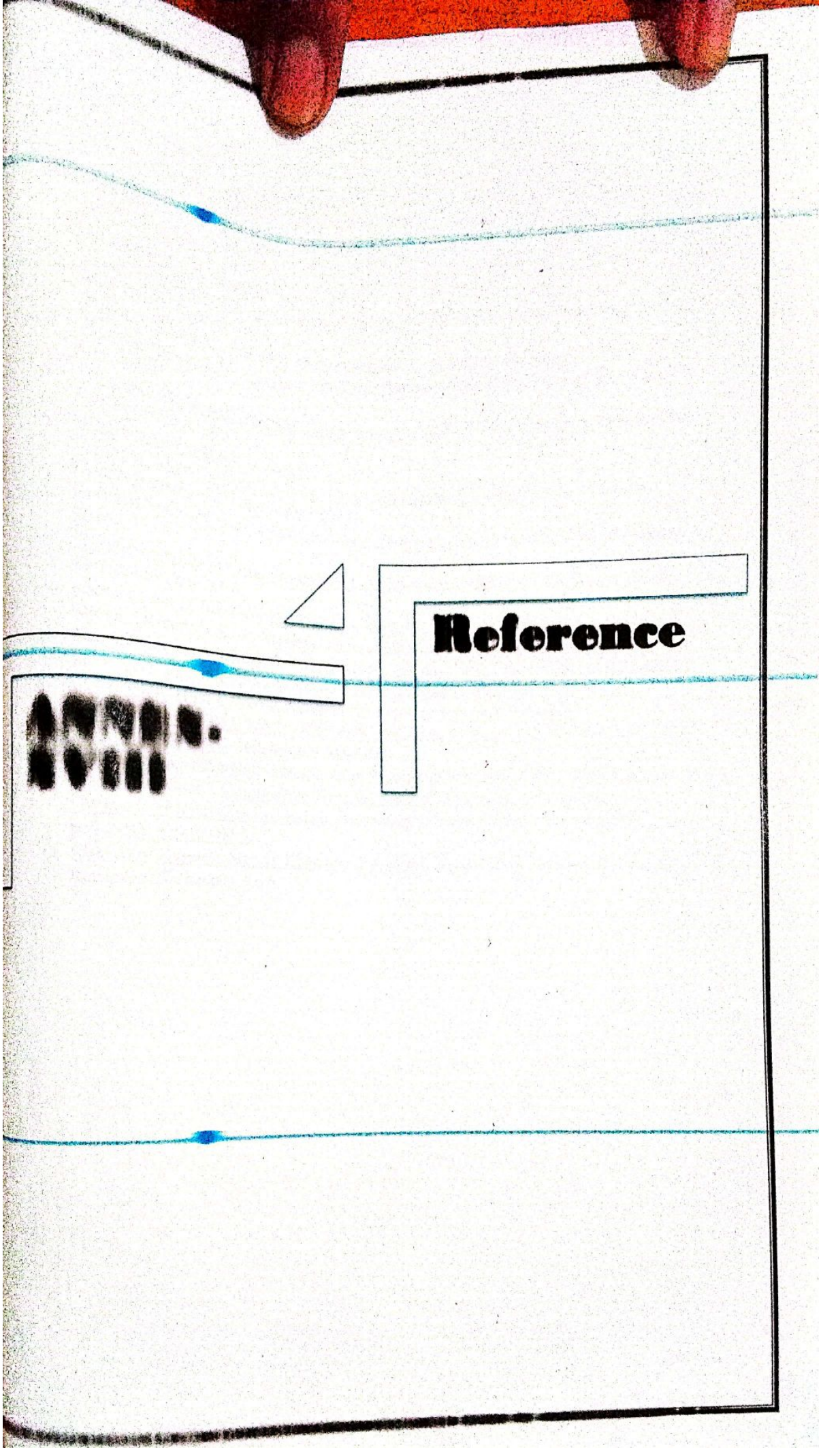
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