F-242(EIA)-23

EIA/2023

JDW Group

Environmental Impact Assessment of JDW Sugar Mill Limited Unit I (35000 TCD)

Mauza Sharin, Jamal Din Wali, District Rahim Yar Khan.

Proponent

Mr. Jam Kabir Khan

(Manager Admin)

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VERIFICATION OF THE EIA REPORT

It is accordingly recommended that Environmental Approval for the project should be issued by the Punjab Environmental Protection Agency, subject to payment of the requisite scrutiny fee by the Proponent of the Project.

The main key persons involved in finalizing EIA report are following;

Prepared By

Dr. Ambreen Lateef
PhD Env. Sciences
(Lead Environment Professional)

Verified By

Malik Shaukat Hayat
M.Phil Env. Sciences/MSc Chemistry
(Managing Director)

I have reviewed the project EIA report and found the contents to be valid and true to the best of knowledge and belief.

Mr. Jam Kabir Khan
Proponent
JDW Sugar Mill Limited Unit 1, RYK

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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	Effluent treatment 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
PEQS	Punjab Environmental Quality Standards
No.	Number
NOC	No Objection Certificate
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 Days
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 JDW Sugar Mill Limited Unit I (35000 TCD) located*** at Mauza Sharin, Jamal Din Wali, District Rahim Yar Khan. This project involves the production of sugar having 35000 TCD capacity to fulfill the market demands. JDW Sugar Mills Limited was incorporated in Pakistan on 31 May 1990 as a private limited company under the Companies Ordinance, 1984 (copy of Certificate of Incorporation attached as Annex-III) and was subsequently converted into a public limited company on 24 August 1991. The principal activity of the Company is production and sale of crystalline sugar, electricity and managing corporate farms (Regularization letter from Industries Department attached as Annex- IV).

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 JDW Sugar Mill Limited Unit I (35000 TCD)*
Location	Mauza Sharin, Jamal Din Wali, District Rahim Yar Khan
Proponent Name	Mr. Mr. Jam Kabir Khan
Project Cost	Approx. PKR 3.98 Billion
Environmental Budget	Approx. PKR 5.0 Million

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Total Area	113 Acres, covered area 64 Acres and Uncovered 49
Consultant Name	Smart Solutions
Products	Sugar Grade –A
Product Capacity	35,000 TCD
No. of Boilers	5 boilers and
Fuel of Boilers	Bagasse
Source of Power	Self-Generation (Turbo Generator /Alternator driven by Steam turbine using bagasse as a fuel.

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. 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 treated through Effluent treatment plant that have adequate capacity before disposal in sewerage system. The dust collector is installed to control air pollution from the boilers (Drawings and specification are attached as Annex-V). Ash collected from

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the cyclones is transferred to Ash collection point and sent to contractor for reuse in road construction.

Sugarcane Bagasse from process produced used as fuel for the boilers. Whereas, mud produced from mill house sale to contractor for reuse as bio fertilizer and as ingredient in cattle feed (copy of Contract is attached as Annex-VI). Molasses produced from the process are stored in steel tank and sale to contractor because that are used as raw material in distillery plants for ethanol production (copy of contract is attached herewith as Annex-VII). 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. 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 block noise propagation and receptors are protected by the use of PPEs. An Emergency Response Plan (ERP) is also be in place and the workers are 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, ambient air quality, noise level, solid waste management, 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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Chapter 2

Introduction

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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) Study of JDW Sugar Mill Limited Unit I (35000 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 & Address	**Mr. Jam Kabir Khan *(Manager Admin)***
Contact No.	0345-1077777
Email	jamkabir@jdw-group.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 company 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 JDW Sugar Mill Limited Unit I (35000 TCD)**"*.

The aforesaid project is located at Mauza Sharin, Jamal Din Wali, District Rahim Yar Khan. The coordinates of site are; ***28°31'49.5" North*** and ***70°04'24.9" East.*** The location of the aforesaid project is:

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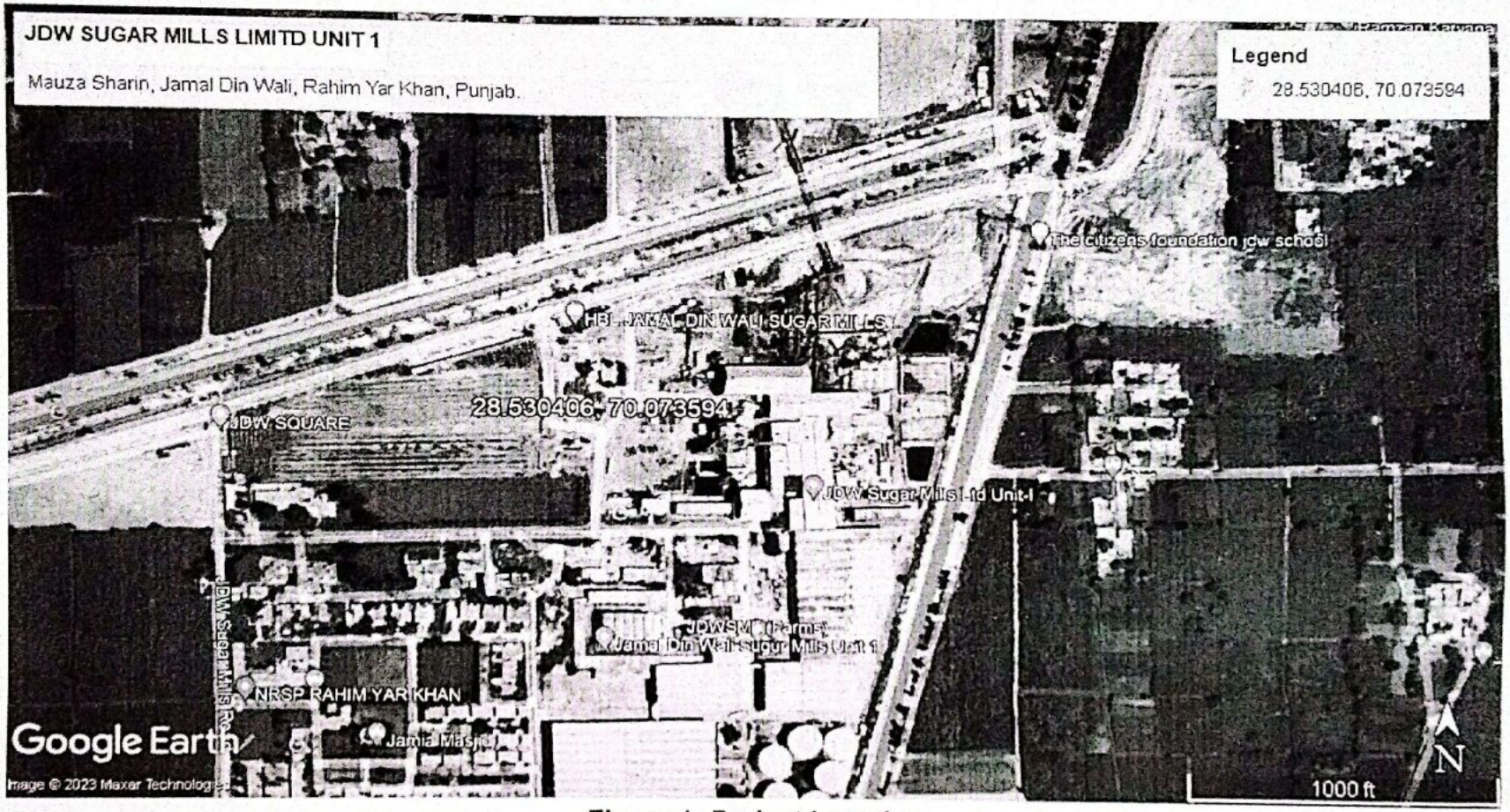


Figure 1: Project Location

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Chapter 1

Project 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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Chapter 3

Scoping

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3 SCOPING

3.1 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.

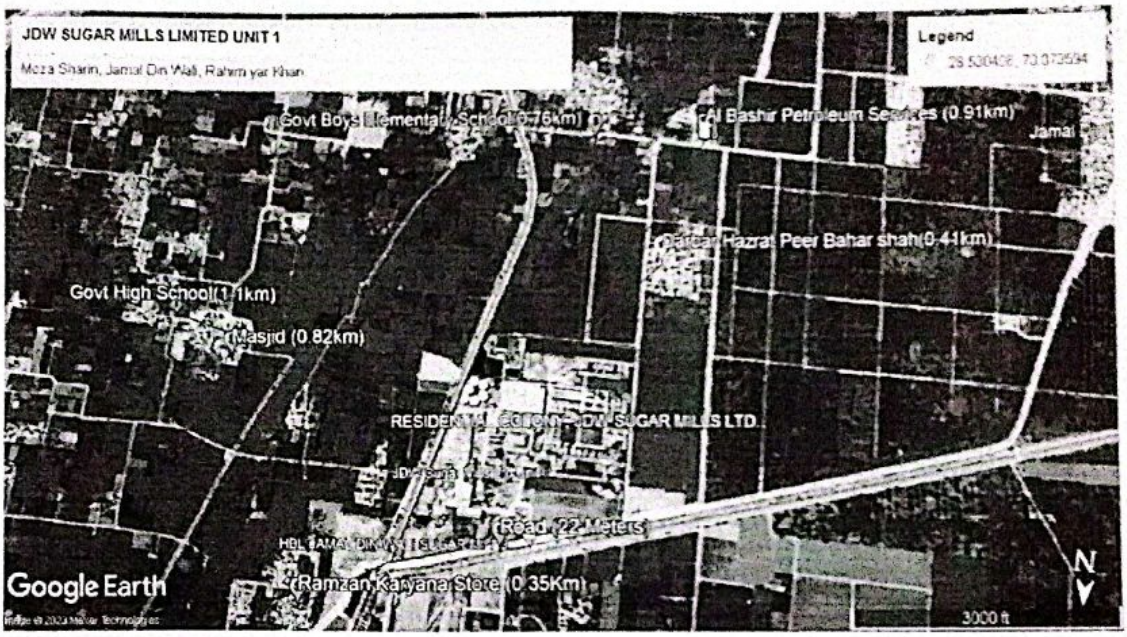


Figure 2: Project site

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 dispose off properly
- Solid waste should be managed effectively by adopting the standard practices of the area.
- Cleanliness of the area should be ensured.

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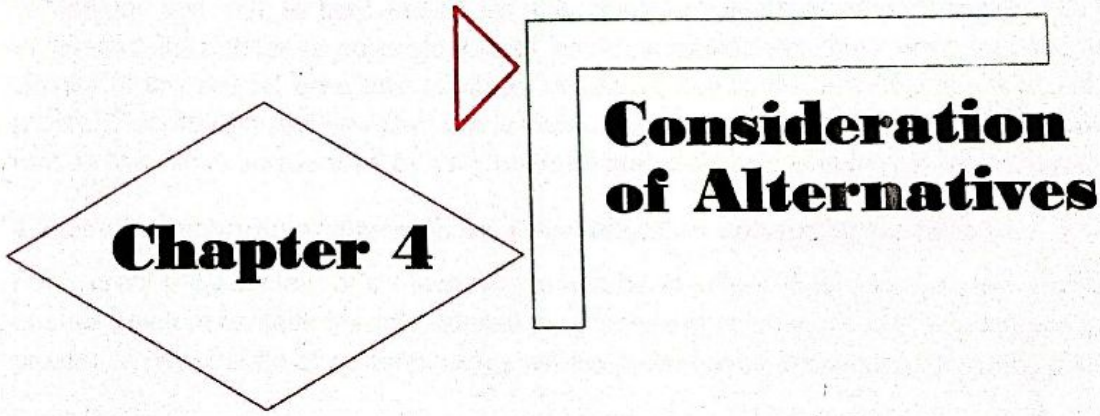
- An effective EMMP should be designed and enforced with true spirit.
- Health of the workers should be ensured.
- Plantation should be carried out at extensive scale.
- Noisy activities should be confined.
- Indigenous tress around the facility should be planted to control air pollution.
- Tree cutting 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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4 CONSIDERATION OF ALTERNATIVES

4.1 Site Alternative their selection and rejection criteria

No project site alternative was considered for the Environmental Impact Assessment of JDW Sugar Mill Limited Unit I (35000 TCD) 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 JDW Sugar Mills Limited 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 current project state of art technology has been selected to minimize emissions and ensure environmentally 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. Solid waste and wastewater will be handled properly in environment friendly manner. 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.

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.

5.1 Project Objective

The objective of aforesaid project i.e., Environmental Impact Assessment of JDW Sugar Mill Limited Unit I (35000 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 JDW Sugar Mills 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.

5.2 Project Background/Introduction

JDW Sugar Mills Limited was incorporated in Pakistan on 31 May 1990 as a private limited company under the Companies Ordinance, 1984 and was subsequently converted into a public limited company on 24 August 1991 (copy of Certificate is attached as Annex-III). The principal activity of the Company is production and sale of crystalline sugar, electricity and managing corporate farms.

JDW Group is the progressive industrial house of the country. Sugar manufacturing is the core business of the Group and is also renowned for support of innovative farming techniques which augment the core business. The Group takes immense pride in social responsibility activities (social mobilization, women enterprise development, support to

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technical and primary education, micro credit for the poor, infrastructure development, livestock development etc.) all aimed at ameliorating social and economic conditions of the poor people in rural areas.

The Sugar Division comprises of three sugar mills Units, JDW Unit-I, JDW Unit-II and JDW Unit-III in the districts of Rahim Yar Khan, Punjab and Ghotki, Sindh.

JDW Unit-II (formerly United Sugar Mills Limited) was acquired by JDWSML in November 2005 and after four years successful operations this was merged into JDWSML w.e.f. October 1, 2008. USML was incorporated in Pakistan on February 5, 1970 and listed on Karachi Stock Exchange until 14 September 2008 when this was got de-listed. JDW Unit-II is located near Sadiqabad at distance of 45 Kms from JDW Unit-I in District Rahim Yar Khan.

JDW is also managing Sugarcane Corporate Farms over the area of 24,000 Acres in the Provinces of Punjab & Sindh. By using knowledge, experience together with modern tools and machinery and distinctive agronomic strategies, JDW has been able to build highly efficient and eco-friendly farms with higher yields. Company's unique farming techniques have also led to the capacity building of existing farmers thereby resulting in improved and reliable cane supply to JDW.

5.3 Project Location and Layout

The project site for the Environmental Impact Assessment of JDW Sugar Mill Limited Unit I (35000 TCD) is located at Mauza Sharin, Jamal Din Wali, District Rahim Yar Khan as shown in Figure 3. The coordinates of site are; ***Latitude 28°31'49.5" North*** and ***Longitude 70°04'24.9" East.*** The layout may of project site is attached as Annex VIII.

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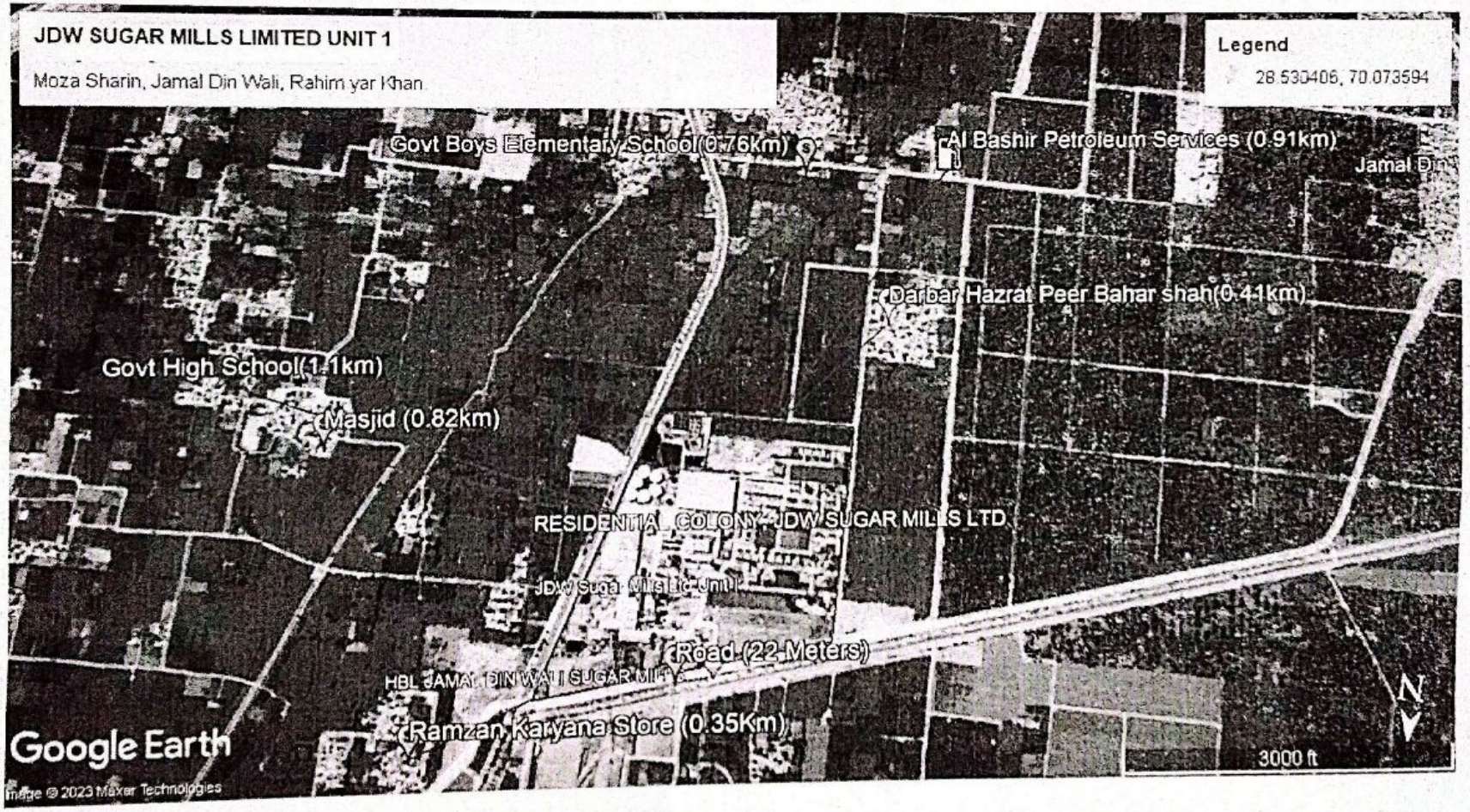


Figure 3: Google Map showing Project Site

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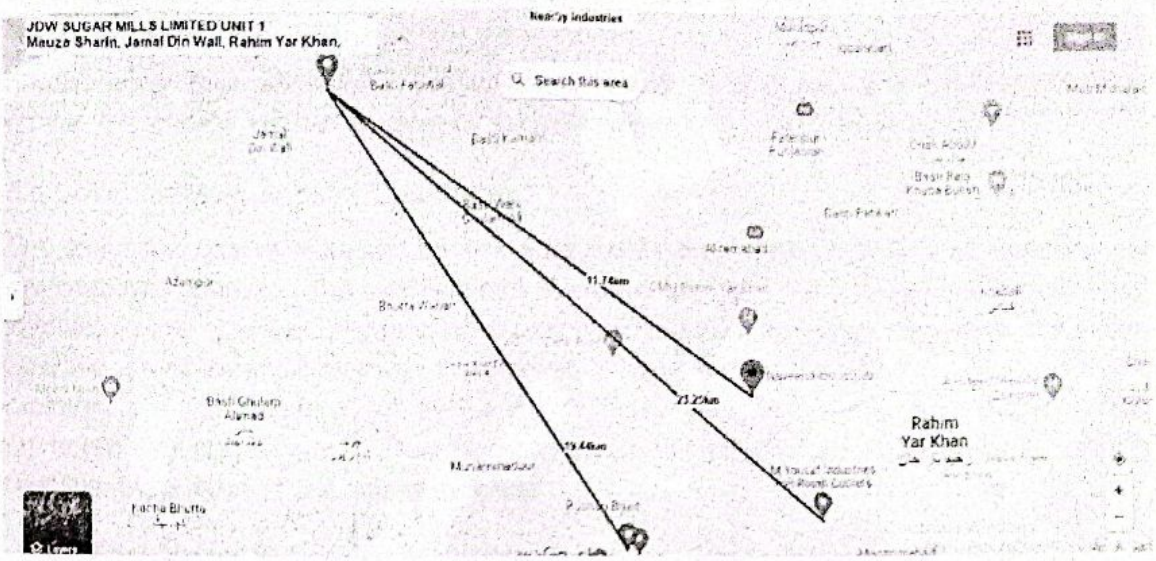


Figure 4: Map Showing Distances from nearby Industries

5.3 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.

5.4 Road Access

The site is accessible through main road. The road access map of project is attached below:

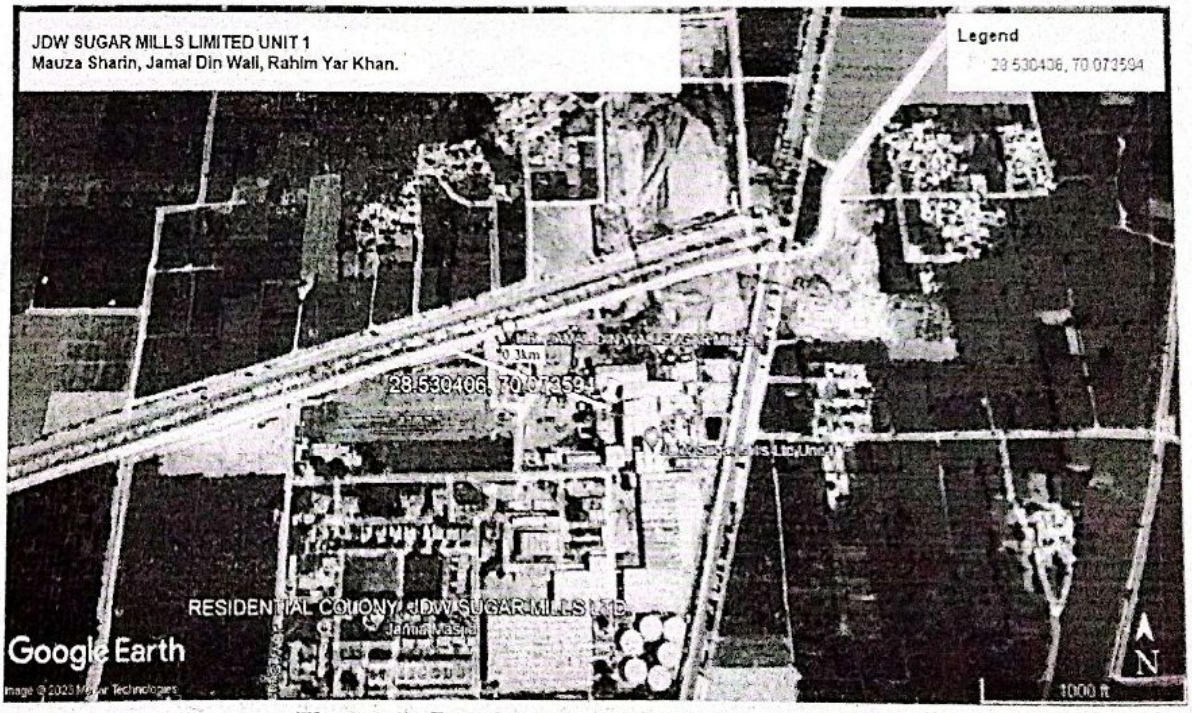


Figure 5: Road Access Map of Project Site

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5.5 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.

5.6 Cost and Magnitude of Operation

The estimated cost of aforesaid project is **approximately PKR 3.98 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. 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
- Marking of emergency exits and assembly points
- Tree plantation and landscaping

The allocated environmental budget is **PKR 10.0 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 unit has 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.

5.8 Project Description

The project involves the production of Sugar and located at Mauza Sharin, Jamal Din Wali, District Rahim Yar Khan. Layout Map is attached herewith as Annex- VIII.

5.8.2 Raw Material

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

5.8.3 Process Description

The said project is Environmental Impact Assessment of JDW Sugar Mill Limited Unit I (35000 TCD) to produce refined sugar (white) through sugarcane using ***Defecation-Remelt-Phosphitation Process*** (Talo Process). The main steps involved in the process are following and process flow chart is attached as Annex-IX;

1. Washing and Initial Preparation
2. Extraction of Juice
3. Purification of Juice
4. Concentration of Juice
5. Crystallization

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6. Centrifugation
7. Drying and Packing

5.8.3.1 Weighting and Initial Preparation:

The sugar cane is 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.

5.8.3.2 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 generation. Surplus bagasse is withdrawn from the conveyor and stored for reuse when necessary. This bagasse 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.

5.8.3.3 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 bagasse 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.

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5.8.3.4 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.

5.8.3.5 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.

5.8.3.6 By-products

Molasses will 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) will be 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 stored in 6 steel storage tanks and sold out. Similarly mud and ash produced from the process will be sold to contractor, copy of contractor is attached as Annex-VI for Mud.

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

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Table 4: Quantities of By Products

Sr. No.	Particulars	Quantity (%age)	Quantity (tons/day)	Disposal/ Remarks
1	Mud	4-5 % Cane	1575±100	100% sold out through Contractor
2	Molasses	4.5-6 % Cane	1610± 50	Storage in steel tank 100% is sold out
3	Ash	0.9 % Cane	315	Sold to contractor
4	Bagasse	32 % Cane	11200.0	Used as Fuel for Boiler

5.8.5 Supplies

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

5.8.5.1 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	Tons/day
1.	Total Available water recovered as condensate water	16050
2.	Quantity of water used for cleaning purpose	450-500
3.	Quantity of water lost at cooling Tower	4800-6000
4.	Quantity of waste water as a effluent for ETP	3000-3600
5.	Quantity of water for road showering, plantation etc.	1200-1800
6.	Remaining quantity of water sent to local farms	4800-5400

5.8.5.2 Power & Steam Requirement

Steam requirement of plant will be fulfilled through 5 boilers (4 boilers with 80TPH capacity each and 01 boiler with 60TPH capacity). For enhancement of proposed capacity one more boiler will be installed. The amount of bagasse produced by the factory is estimated to be adequate to provide the amount of heat required for the boilers. Bagasse will constitute 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.

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Power requirement of the project fulfilled through Self Generation plant of 31MW capacity, which consists of turbo generator/alternator driven by steam turbine using bagasse as fuel. The boiler is equipped with dust collection unit to control air emissions (drawing of cyclones is attached as Annex-V). The 31MW of electricity generated using bio-fuel that not only fulfill the demand of unit but also reduce energy load on national grid in an environment friendly manner.

5.8.5.3 Manpower

The factory workforce requirements include both permanent staff and daily wagers. During season number of workers are 400 and in off-season, number of workers is 250.

5.8.5.4 Personnel Protective Equipment

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

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

5.8.5.5 MANAGEMENT PLANS FOR OPERATIONAL SYSTEM

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

5.8.5.6 Wastewater and Effluent treatment plant

During processing wastewater generated at rate of 5000-6000ton/day and is treated through the installed ETP. The waste water treatment systems (03 Systems) specially designed and consists of

(a): Primary Treatment System (Chemical Treatment)

(b): Anaerobic Treatment System (Biological Treatment)

(c): Aerobic Treatment System (Biological Treatment)

(a)Primary Treatment System: consists of Adjusting tank, Chemicals Reaction Tanks, Primary Sedimentation Tank and Sludge Drying Beds. This system involves the initial treatment of mills waste water by using different chemicals (caustic soda, coagulant and flocculants etc) to remove its total suspended solids (TSS) by settling them in Primary Sedimentation Tank and then discharge them into sludge drying beds for natural drying. Then partial treated waste water flows by gravity into Anaerobic System.

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(b): Anaerobic Treatment System: Anaerobic System consists of an anaerobic tank divided into different sections having submersible mixers and internal submersible recycling pumps to ensure efficient mixing & full contact of anaerobes (microorganism) with the waste water to decompose biologically its soluble pollution load (BOD & COD etc) accordingly. Then the treated waste water flows by gravity into Aerobic System.

(c): Aerobic Treatment System : Aerobic System (Activated Sludge System) consists of aerobic tanks having air diffusers for the generation of fine air bobbles by using air blowers for effective aeration and growth of aerobes (microorganism) to decompose the remaining soluble pollution load (BOD & COD etc) of the waste water biologically followed by secondary sedimentation tank for gravity separation of microorganism (sludge). Most of the activated sludge is recycled into aeration tanks to maintain here required microorganisms whereas the balance sludge is discharged into sludge drying beds, being used as fertilizer. The ETP layout is attached as Annex X. The treated wastewater has been used for irrigation purpose. Overall efficiency of this state-of-the-art ETP is more than 90 %.

5.8.3.7 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. To avoid traffic jam due to vehicular movements, there is adequate parking for trolley and trucks that supply sugar canes. Water sprinkling has been done on regular basis to avoid dust suppression. Workers will be provided with PPEs to reduce the impact of air emissions. Hence, by adopting proper mitigation measures, air emissions have been controlled.

5.8.3.8 Solid Waste

The solid wastes and by-products of the said project are bagasse, mud and ash. Bagasse is cane milling waste fiber matter whose content is about 32 % of the cane. That has been re-used as fuel in the Boilers for steam generation.

The bagasse is stored in a bagasse yard before reuse at the sugar factory. The generated mud used as a fertilizer or as raw material in feed industry. Hence, in this instant unit, mud will be sold to contractor (copy of contract is attached as Annex-VII) for further reuse. Whereas, Ash produced from the plant is also sold to contractor. The disposal of non-biodegradable and recyclable matter, such as containers, waste papers, used materials, waste packaging materials are sold to local contractors for recycling or reuse purpose.

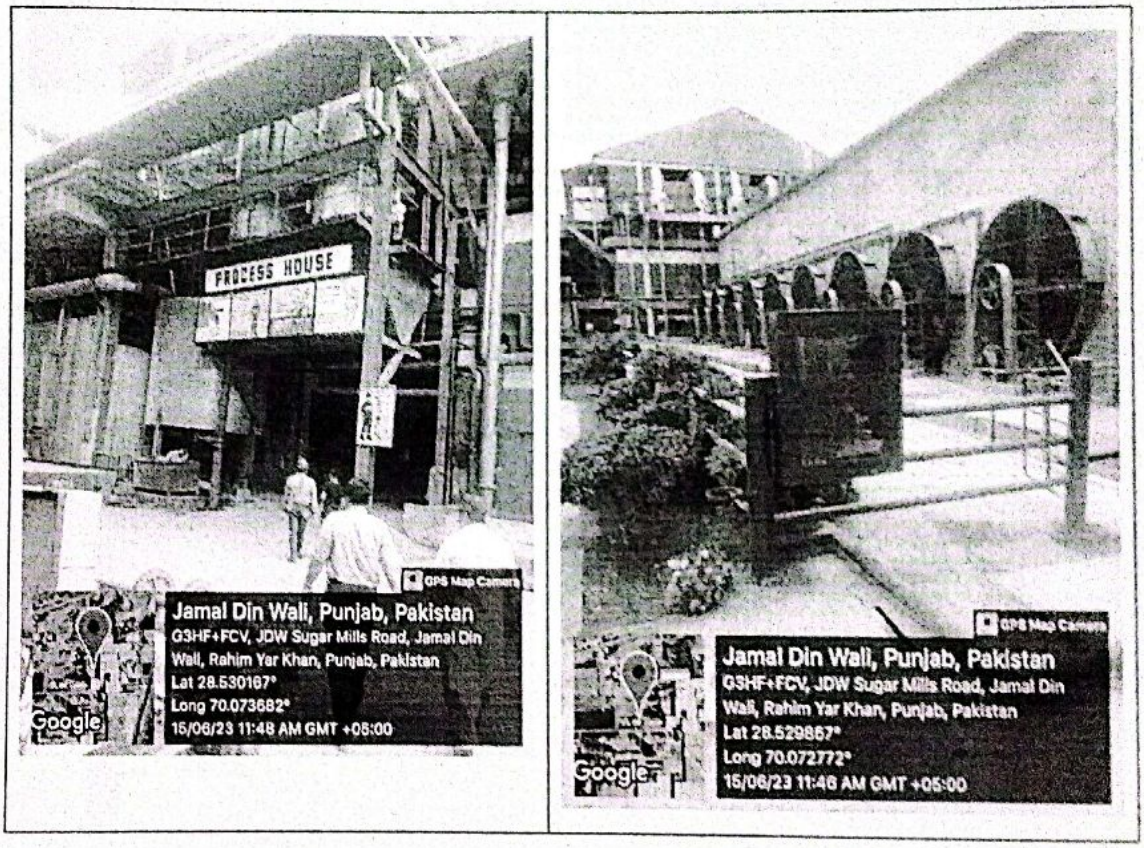
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5.8.3.9 Evacuation Plan

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- XIII.

5.8.3.10 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 layout map.



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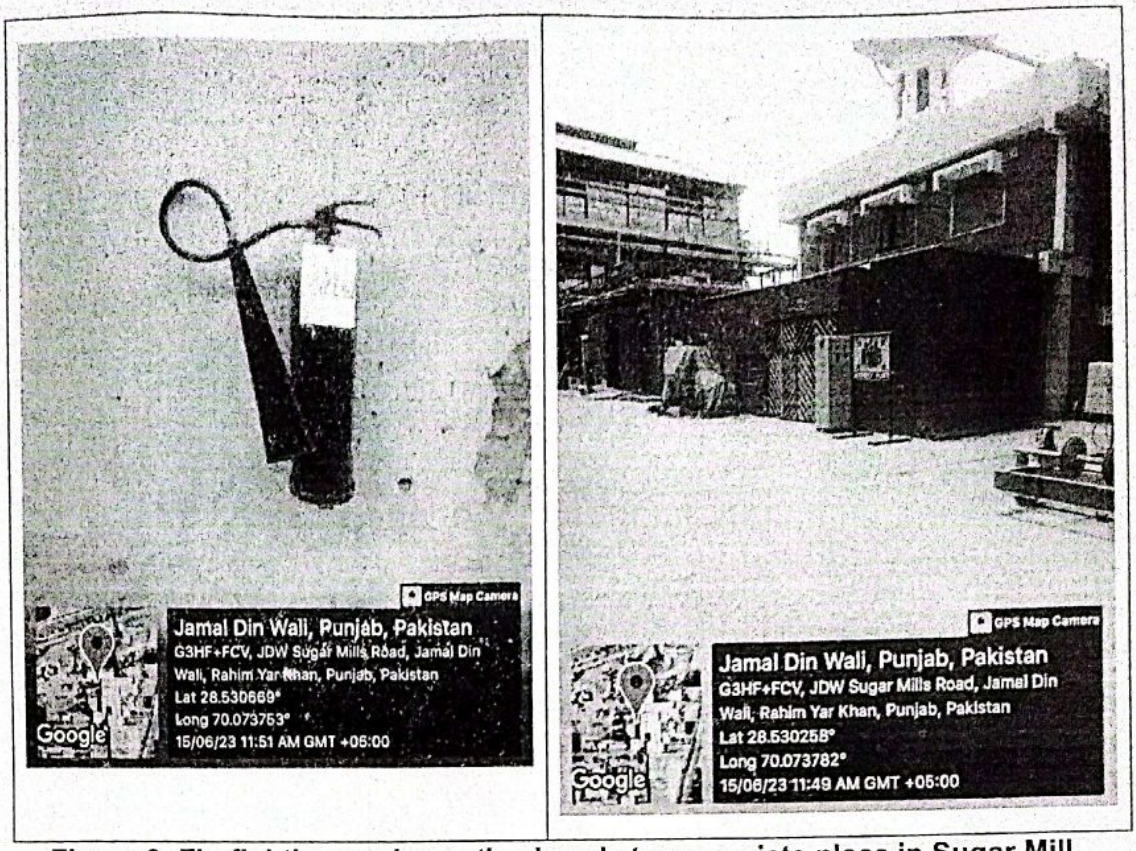


Figure 6: Firefighting equipment's placed at appropriate place in Sugar Mill

5.9 Relocation and Rehabilitation Plans

No structure of any significance stands at the site to be relocated or dismantled. Land is already under JDW Sugar Mills 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 describes the baseline conditions, which shows the clear-cut picture of existing environmental resources; physical, ecological, and socio-economic environment of the Project area. Information on these aspects has been derived from field visits to the project area as well as information obtained through visits to the Government departments and other relevant agencies.

The primary data was collected by surveying the project area and its nearby vicinity. The secondary data regarding physical parameters (topography, geology, seismology, hydrology and climatology) was obtained by visiting relevant departments and their official websites. The biological parameters (flora and fauna) were also studied in the project area. The vegetation of project area was studied by preparing a floristic list based on visual observation. The species were recorded with reference to their historical existence in the project area.

Information on wildlife fauna species (mammals, amphibians, reptiles, birds, etc.) in the assessment area was compiled based on opportunistic observation, gathering the existing information and consultation with local experts, community members and government departments. The socio-economic aspects were studied and analyzed by conducting detailed socio-economic surveys.

6.1 BASELINE 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 *Rahim Yar Khan* city and the project site is presented in the following sub sections.

6.1.1 Topography and Geography

The district lies between *27°40'-29°16' North latitude and 60°45'-70°01' East longitude*. The riverain area of the district lies close to eastern bank of river Indus and Panjnad. Rahim Yar Khan District is bounded on the north by Muzaffargarh District, on the east by Bahawalpur District, on the south by Jaisalmer district (India) and Ghotki District of Sindh province, and on the west by Rajanpur District.

The topography of project area is flat. The site selected for project is located at Mauza Sharin, Jamal Din Wali, District Rahim Yar Khan, Punjab. The coordinates of the site are; **Latitude 28°31'49.5"N and Longitude 70°04'24.9"E.**

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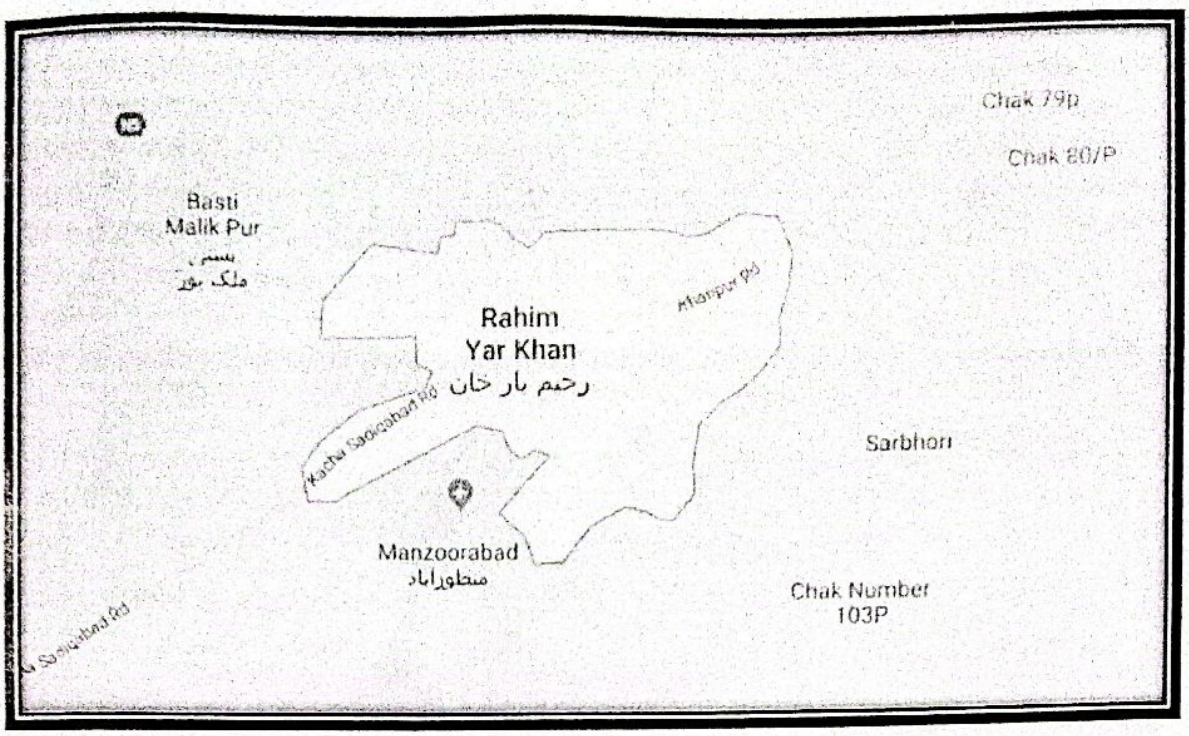


Figure 7: Map of Rahim Yar Khan District

This district is divided into three main physical features: (a) Riverside area, b) canal-irrigated area, and (c) desert area which is called Cholistan. The Riverside area of the district lies close on the southern side of the Indus River mainly falling in the river bed. The canal-irrigated area lies on the south and is separated by main Minchan Bund. The approximate height of the irrigated area is *150 to 200 meters (490 to 655 ft)* above sea level. The third part of the area, called Cholistan, lies in the south of the irrigated tract up to the Indo-Pak border. The surface of the desert consists of a succession of sand dunes rising at places to a height of 150 meters (492 ft) and covered with the vegetation peculiar to sandy tracts.[1]

6.1.3 Demography

At the time of the *2017* census, the district had a population of 4,807,762, of which 2,461,780 were males and 2,345,413 females. Rural population is 3,776,779 while the urban population is 1,030,983. The literacy rate was 46.62%.[2]

6.1.4 Seismicity

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.

[1] https://en.wikipedia.org/wiki/Rahim_Yar_Khan_District
[2] https://historypak.com/rahim-yar-khan/

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Pakistan is an earthquake prone country. A number of earthquakes have hit Pakistan resulting in losses of life and property. Pakistan Meteorological Department (PMD) presently has a network of eleven seismic stations. By using recorded data the seismicity and zoning maps of Pakistan have been developed by PMD. Seismic Zoning Map of Pakistan showing Proposed Project site area is presented as Figure, indicating zones according to the Building Code of Pakistan - 2007. The project site falls in Seismic Zone 2A/minor to moderate damage zone according to the Seismic Zoning Map of Pakistan.

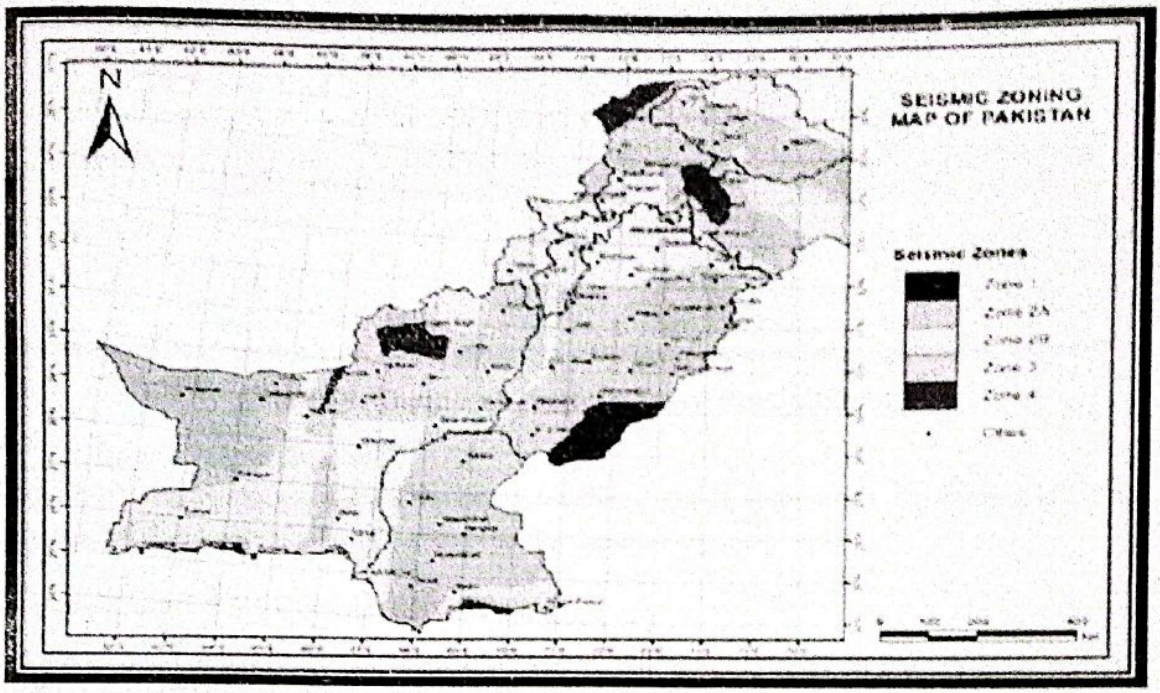


Figure 8: Seismic Zoning of Pakistan

6.1.2 Climate

The climate here is "desert." During the year, there is virtually no rainfall in Rahimyar Khan. As per the Köppen-Geiger classification, the prevailing weather conditions in this region are categorized under BWh. In Rahimyar Khan, the average annual temperature is 26.9 °C | 80.4 °F. Precipitation here is about 174 mm / 6.9 inch per year. Rahim Yar Khan is in the northern hemisphere. Summer begins at the end of June and ends in September. The hottest month is June, where average highs routinely exceed 40°C (104.0 °F). The wettest month is July, with heavy rainfalls and evening thunderstorms with the possibility of cloudbursts. The coolest month is January with dense fog. The city's highest maximum temperature was 48.3°C (118.9 °F) recorded on May 30, 1944 and 48°C (118°F) was recorded on June 9, 2007. The lowest temperature recorded in Khanewal is –1°C, recorded on 13 January 19672.

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	January	February	March	April	May	June	July	August	September	October	November	December
Avg. Temperature (°C)	12.3	15.4	20.6	26.5	31.1	31.9	31.5	30.7	29.7	25.6	18.9	13.7
Min. Temperature (°C)	5.3	8.4	13.8	18.8	23.4	27.3	26.9	26.3	24.3	18	10.7	6
Max. Temperature (°C)	19.3	22.4	27.7	34.2	38.9	40.6	38.2	35.1	35.1	33	27.1	21.4
Avg. Temperature (°F)	54.1	59.7	69.1	79.7	88.0	89.0	88.7	87.5	85.5	77.9	66.0	56.7
Min. Temperature (°F)	41.5	47.1	56.5	65.8	74.1	81.1	80.4	79.3	75.7	64.4	51.3	42.8
Max. Temperature (°F)	66.7	72.3	81.9	93.6	102.0	105.1	97.2	95.2	95.2	91.4	80.8	70.5
Precipitation / Rainfall (mm)	24	24	37	17	20	38	189	159	73	12	4	12

Figure 9: Temperature and Rate of Precipitation

6.1.3 Surface Water Quality

No surface water body/reservoir is located within 2 km of study area. No impact is being envisaged due to installation of above-said project.

6.2 BASELINE BIOLOGICAL ENVIRONMENT

The biological environment consists of the flora and fauna present at the study as well as project area. There are no endangered or IUCN Red list species reported from the area. The detail of each parameter is given below.

6.2.1 Flora and Fauna

The flora of the district characterizes two major ecological divisions, northern and southern. The botanical life found in the northern half is like that of the rest of the irrigated tracts at central Punjab.

The arid land, referred to as the Cholistan desert, has a lot of wild life including Wild cats, the Chinkara deer, jackals, foxes, badgers, porcupines, squirrels, gerbils, wild rats, poisonous snakes, hog deer etc.

6.3 BASELINE SOCIO-ECONOMIC ENVIRONMENT

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.

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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.

6.3.1 Industry

The distance from the Nearby industries is shown below in Fig 10.

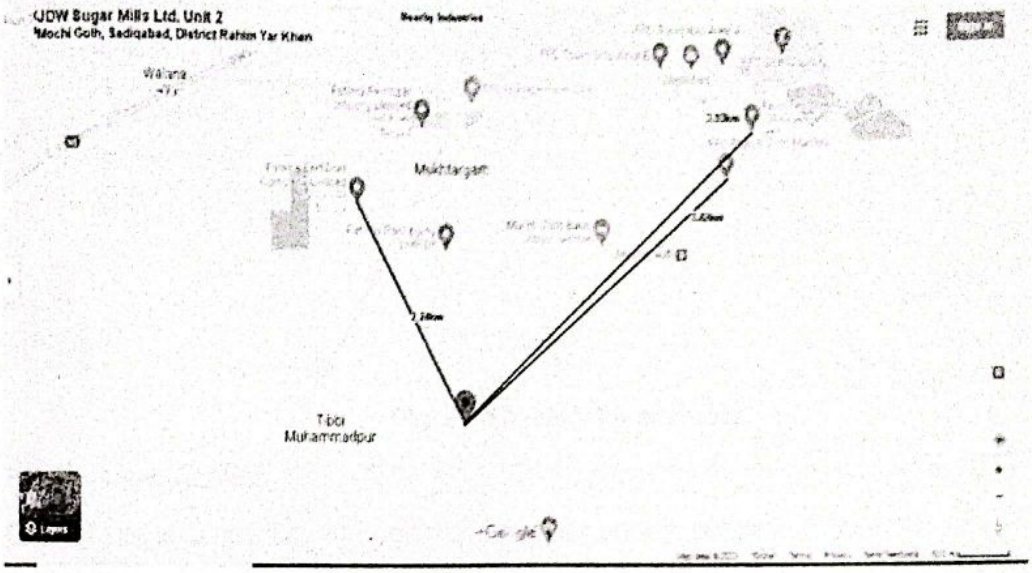


Figure 10: Nearby Industries

6.3.2Healthcare Facility

Healthcare services are provided to the citizens by both public and private sector hospitals. Moreover, there are a number of private hospitals near Project site.

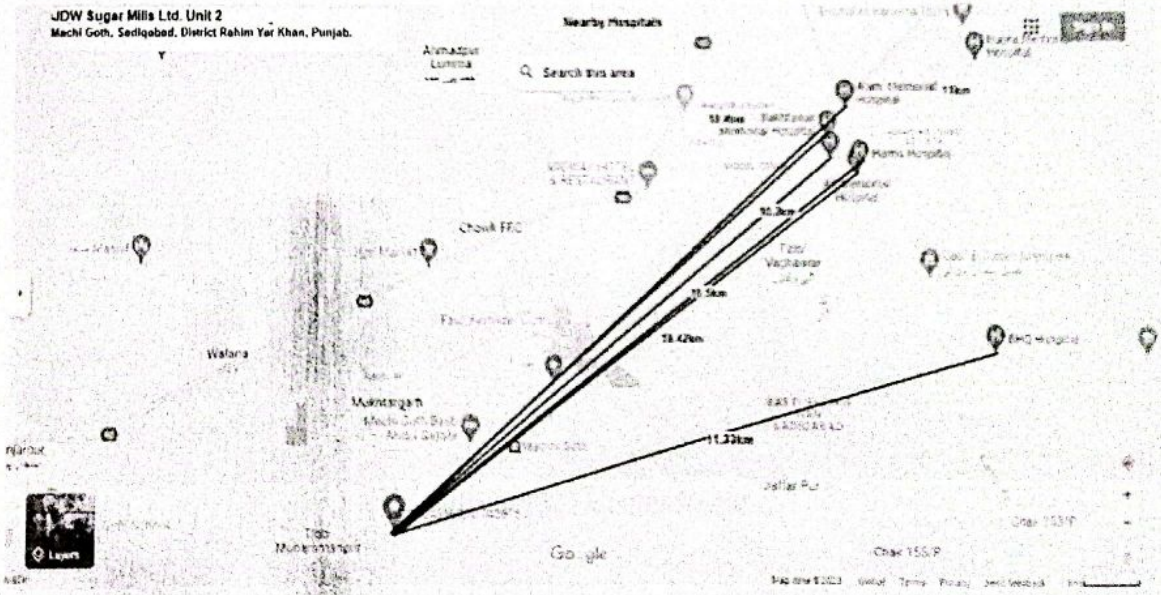


Figure 11: Nearby Healthcare Facilities

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6.3.5 Educational Facilities

Following schools are present in project area vicinity; as shown in Fig:12 below;

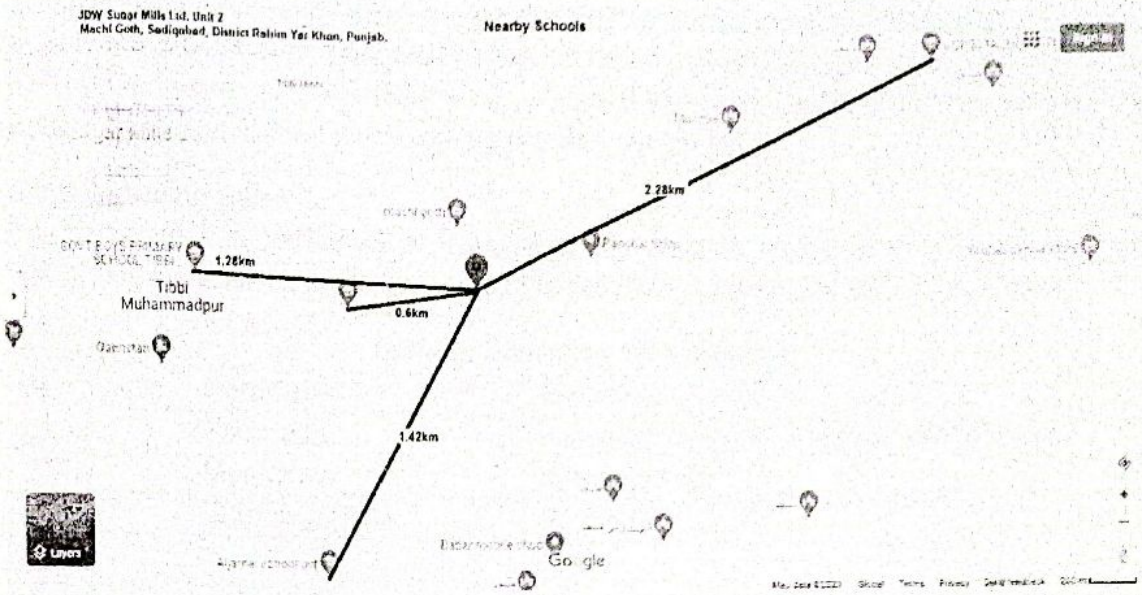


Figure 12: Nearby schools

6.3.6 Road Access

Project site is accessible through main road as shown below in Figure 13:

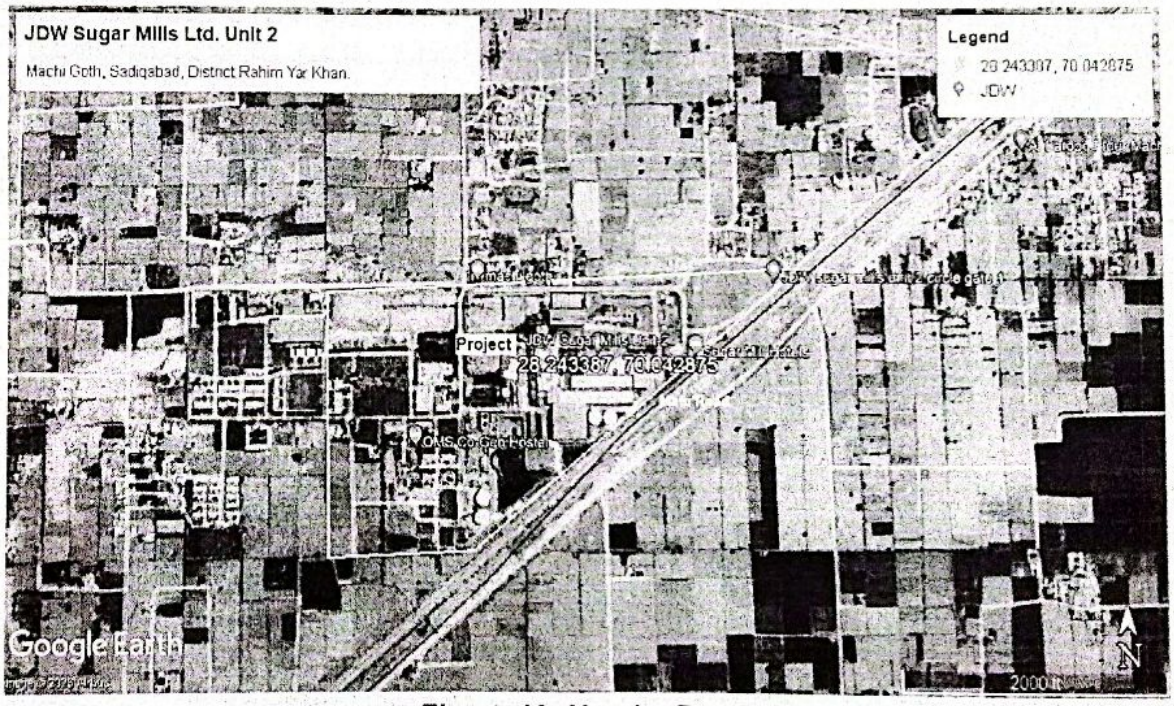


Figure 13: Nearby Road

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6.4 LAB REPORTS OF ENVIRONMENTAL ANALYSIS

JDW Sugar Mills Limited. Unit-I Environmental Services Pakistan (ESPAK) was engaged to carry out environmental monitoring of ambient air quality, ground water quality and noise level in the project area. Laboratory analysis reports of ambient air quality, ambient noise and surface water analysis results are annexed at Annex-X of this EIA Report and the detail information related to the testing results is given below:

6.4.1 Sampling Sites

The sampling was carried out at the project site which is identified to collect samples of water, noise and air for testing according to the testing guidelines of Punjab-EPA.

Table 6: Sampling Sites Details

Sr#	Particulars	Details
1	Parameters of Monitoring	Ambient Noise, Ambient Air and Ground Water Quality
2	Sampling Sites	01 (One)

6.4.2 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-7.**

Table 7: 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 $\mu g/m^3$	18.7 $\mu g/m^3$	UV Fluorescence (UVF)	Within Prescribed Limits
3.	**Ozone (O_3)**	130 $\mu g/m^3$ (1 hour)	27.1 $\mu g/m^3$	Non-Dispersive UV Absorption	Within Prescribed Limits
4.	**Oxides of Nitrogen as NO**	40 $\mu g/m^3$	10.1 $\mu g/m^3$	Chemiluminescence detection	Within Prescribed Limits

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5.	**Oxides of Nitrogen as NO_2**	80 µg/m³	27.9 µg/m³	Chemiluminescence detection	Within Prescribed Limits
6.	**Particulate Matter $PM_{2.5}$**	35 µg/m³	32.7 µg/m³	Particulate Sensor	Within Prescribed Limits
7.	**Particulate Matter PM_{10}**	150 µg/m³	121 µg/m³	Particulate Sensor	Within Prescribed Limits
8.	**Suspended Particulate Matter (SPM)**	500 µg/m³	311 µg/m³	High Volume Sampler (HVS)	Within Prescribed Limits

6.4.3 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 8: Noise Monitoring Results

Measurement Point	Limit values (PEQS)	Noise level in dB(A) Leq	Remarks
Mid-point of Site – Day Time	75dB(A) (Day Time)	69 dB(A)	Within Prescribed Limits
Mid-point of Site – Night Time	65dB(A) (Day Time)	61 dB(A)	Within Prescribed Limits

6.4.4 Water Resource

Ground water is the principal source of municipal water supply in RYK. 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 ESPAK. Water quality monitoring results of project area are given below in **Table-9.**

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Table 9: Groundwater Monitoring Results

	Parameters	Limit Values (PEQS)	Concentrations	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	312 mg/L	SMWW 2340 C	Within Limits
8.	Total Dissolved Solids (TDS)	<1000 mg/L	411 mg/L	SMWW 2540C	Within Limits
9.	pH	6.5-8.5	7.8	SMWW 4500H^+B	Within Limits
10.	Nitrate (NO_3^-)	50mg/L	10.3 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	39 mg/L	SMWW 4500 Cl^- B	Within Limits
14.	Fluoride (F^-)	≤1.5 mg/L	1.0 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

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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	0.2 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	0.1 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	0.2 mg/L	U.S. EPA-200.7	Within Limits
28.	**Boron (B)**	0.3 mg/L	ND	U.S. EPA-200.7	Within Limits
29.	**Fecal Coliform Bacteria**	Must not be detectable in any 100mLsample	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

6.5 SAUITABILITY OF THE SITE

As the site is surrounded by various other industrial activities and no relocation is required for establishment of current project. The site does no fall in environmental sensitive area and all commodities are at a suitable distance from project site as they will not impact 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

7.1 General

This section discusses the potential environmental impact due to Construction of Sugar processing Mill of JDW Sugar Mills 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.

7.2 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 10: Impact Significance Criteria

Impact	Criteria
No Impact	When the proposed activity will have no impact
	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
Beneficial	When the impacts are positive and improve the environmental conditions

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Table 11: 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 12: 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 13: 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 14: Impact Matrix Checklist for Operational 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													
Noise	✓												
Water Quality	✓												
Biological Parameters													
Land Environment	✓												
Flora	✓												
Fauna	✓												
Physical Parameters													
Local Economy			✓										
Social Impacts			✓										
Health & Safety	✓												

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7.3 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.

7.4 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 15: 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	■			■	■			■			■		■
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 18** below:

Table 16: 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 JDW Sugar Mills 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 17: 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

In the said project, trees are 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

This said project is established on land owned by proponent and not involve any disturbance in the area. 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.

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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, Effluent treatment plant will be installed. This generated wastewater will be treated and dispose off.

8.7 Impacts and Mitigation during Extension 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 activities 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.

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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 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

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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:

- 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

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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 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

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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 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.
- 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.

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- 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, 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

Following mitigations should be adopted to manage generated solid waste:

- Mud will be sold to farmers to use as biofertilizer or cow feed.
- Bagasse is the raw material in boilers.
- Ash generated during combustion in boiler sold to brick manufacturers or will be mixed with mud cakes and used in fields.
- The recyclable waste including sold 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. Process Water requirement will be approx.917 ton/hr. Domestic and process wastewater will be treated through Effluent treatment plant before disposal.

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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 WWTP 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
- 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.

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- 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.

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.

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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.

Nature of Impact

The aforesaid 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.

x. Health & Safety of Workers

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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.

8.8 Potential Environmental Enhancement Measures

The said project will be result in following benefits:

- Direct and indirect employment opportunities,
- Gains in the local and national economy,
- Industrial development in region
- Tree plantation

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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 10.0 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 During Construction Phase

It lists all the mitigation measures identified in the EIA and the associated environmental or social aspect in line during construction 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 Construction Phase

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	Observation	Regularly	Contractor	Proponent

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		plastic sheets, to prevent emission. • 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	Observation Inspection	Reulagr	Contractor	Proponent

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		• Night time driving of project vehicles will be limited where possible • 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 19: Environmental Management Plan During Operational Phase

Project Activities	Potential Impacts	Mitigation Measure	Means of Monitoring	Frequency of Monitoring	Institutional Responsibility	
					Implementing Body	Supervision

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ewater management	Degradation of water quality	• Wastewater generated from process activities will be treated through 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-) .	• Temp • pH • COD • BOD • TSD • TTS • Oil & Grease	Monthly	Environment officer	Proponent
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	Noise level	Daily	Environment officer	Proponent

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		plan which will also act as barrier for noise.				
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.	• Medical surveillance of workers • Fire drills on regular basis	As per OSHA standards	HSE Manager	Proponent

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		• Fire drills training has been carried to avoid 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	• Good house keeping			

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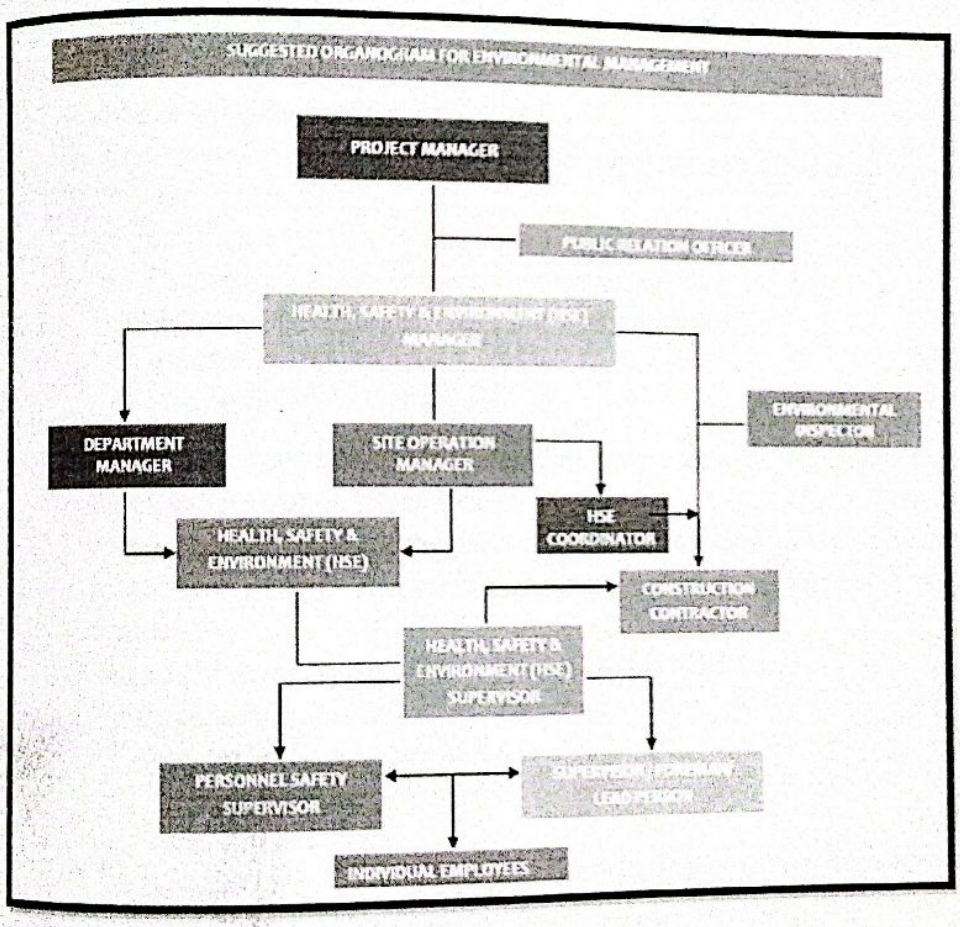
9.6 Schedule for Implementation of Environmental Budget

The allocated environmental budget is **PKR 10 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.

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 JDW Sugar Mills Limited. Unit-I.

Table 20: Proposed Hierarchy of Monitoring team



9.8 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

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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 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.

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- ✓ 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.

9.9 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.

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.

9.10 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,

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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.

Table 21: 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.

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-XI** of this EIA Report.

10.2 Consultation with Government officials

Consultation regarding Environmental Impact Assessment of JDW Sugar Mill Limited Unit (22,000TCD) was carried out with Government officials. 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

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for employment after providing proper training. Mitigations measures mentioned in EMP will be truly implemented.

10.3 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

10.4 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-XI of this EIA Report). Questions posed to the public were related to creation of possible impacts, adverse impacts and beneficial impacts, 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 JDW Sugar Mills Limited. Unit-I, 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.

10.5 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 24**) along with their main concerns and remarks.

Table 22: Consultations with Government Officials

Name and Contact Number	Designation and Department	Concerns/Remarks

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1.	Muhammad Ammas 0308-1891805	Sub Divisional Officer Irrigation Department	• This project should be implemented however, guidelines of Government should be adhered as per law and policy in true spirit. The project be implemented under joint supervision of this department.
2	Malik Muhammad Farooq 0308-6537639	Director Labour welfare Labour and Human Resource Department	• The instant project of enhancement of crushing capacity as per laws and policy of Government is appreciable as the same will add and create employment opportunity for local are residents. However the labour laws are to be implemented in letter n sprit in a bit to ensure health and safety of employed welfare is to safe guard their economic instants. It will also add to economic well-being of area.

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.
- Employment opportunities will be generated and locals should be hired on the priority basis.

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- 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 has been complied and are presented in the tabular form below:

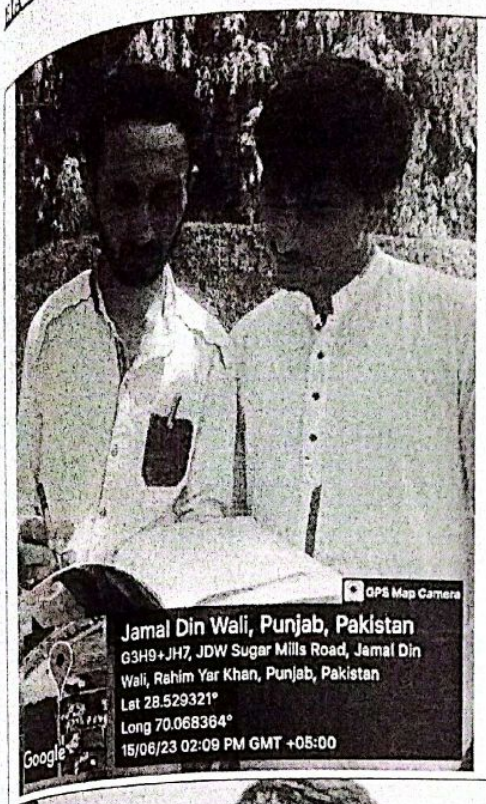
Table 23: Views and Concerns of Stakeholders

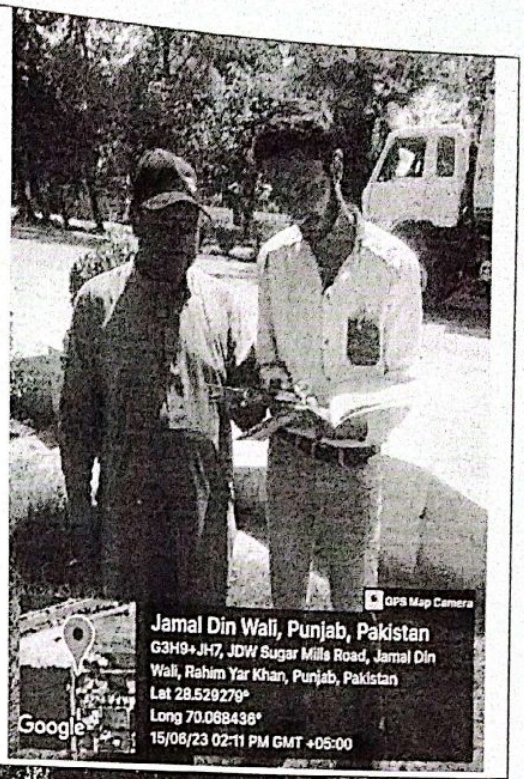
Sr.#	Respondents	CNIC/Contact No.	Concerns
i.	M. Ashraf	31303-2414816-7	During the survey in the study area following concerns of the local community were noted: Locals should be preferred for the job opportunities. Wastewater should be treated prior to final disposal. – Noisy activities should be confined. – Solid waste should be managed effectively by adopting the standard practices of the area. 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. Plantation should be carried out at extensive scale. Workers should be hired from local community. – Indigenous tress around the facility should be planted to control air pollution.
ii.	M. Amin	31304-9782475-5	
iii.	Jam Ranjha	31304-8945329-3	
iv.	M. Akram	31304-1308589-3	
v.	Shah Muhammad	31304-5958823-9	
vi.	Malik Shahzad	31304-0151382-1	
vii.	M. Jameel	31304-2045822-1	
viii.	M. Hanif	31304-0281195-9	

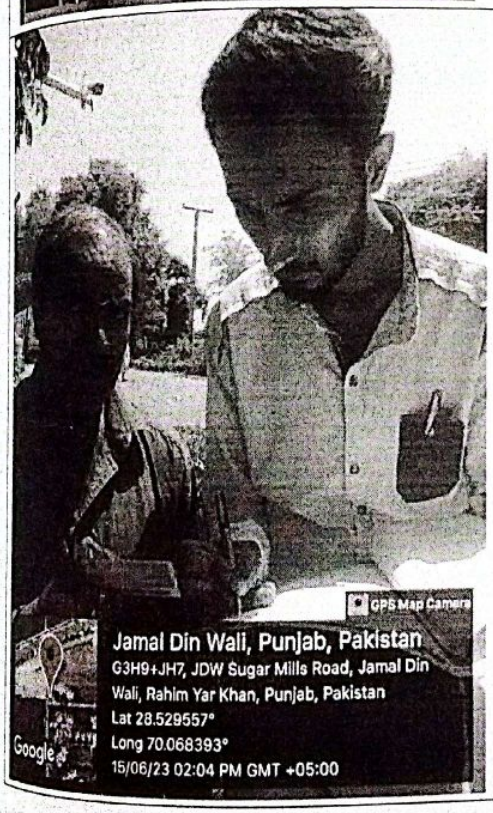
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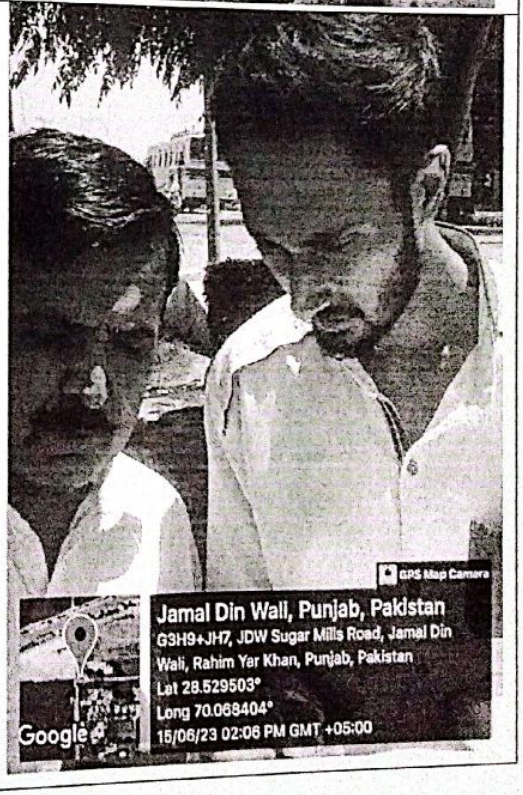
Shafique Ahmed	31304-8940216-7	During the survey in the study area following concerns of the local community were noted: - Locals should be preferred for the job opportunities. - Wastewater should be treated prior to final disposal. - Noisy activities should be confined. - Solid waste should be managed effectively by adopting the standard practices of the area. - 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. - Plantation should be carried out at extensive scale. - Workers should be hired from local community. - Indigenous tress around the facility should be planted to control air pollution. s
Rafaqat Irshad	31304-7978874-5	
Jamil Ahmed	31304-2061233-5	
Haji Hazoor Uddin	31304-5883166-7	
Riaz Ahmed	31304-1398841-1	
Ejaz Ali	45404-0380414-5	
Khawand Bakht	31304-8653311-1	
Syed Esan Shab	31304-5940961-7	
M. Amjad	31304-8715233-1	
Sadam Hussain	31304-8205906-7	
Nazir Ahmed	31304-1822488-1	
M. Amir	31304-1899421-7	

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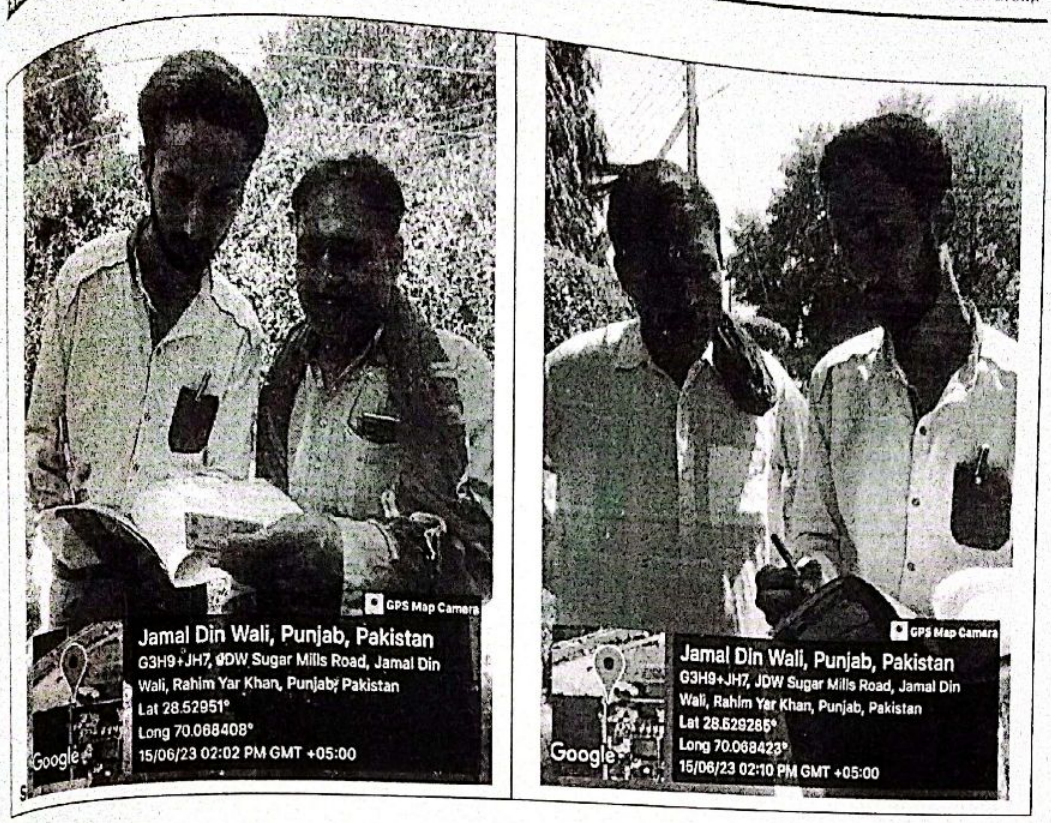


Figure 14: Consultation with Local People of Area

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LIST OF ANNEXURES

Annex-I	Proponent CNIC
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Annex-III	Certificate Of Incorporation
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Annex-VI	Copy Of Contract for Mud sale
Annex-VII	Copy Of Contract for Molasses Sale
Annex-VIII	Process Flow chart
Annex-IX	Layout Map of Project
Annex-X	ETP layout
Annex-XI	Validated Baseline Lab Monitoring Reports
Annex-XII	Socio-Economic Survey Forms
Annex-XIII	Health And Safty Documents
Annex-XIV	Authority Letter In Favor Of Proponent
Annex-XV	Authority Letter In Favor Of Consultant
Annex-XVI	References

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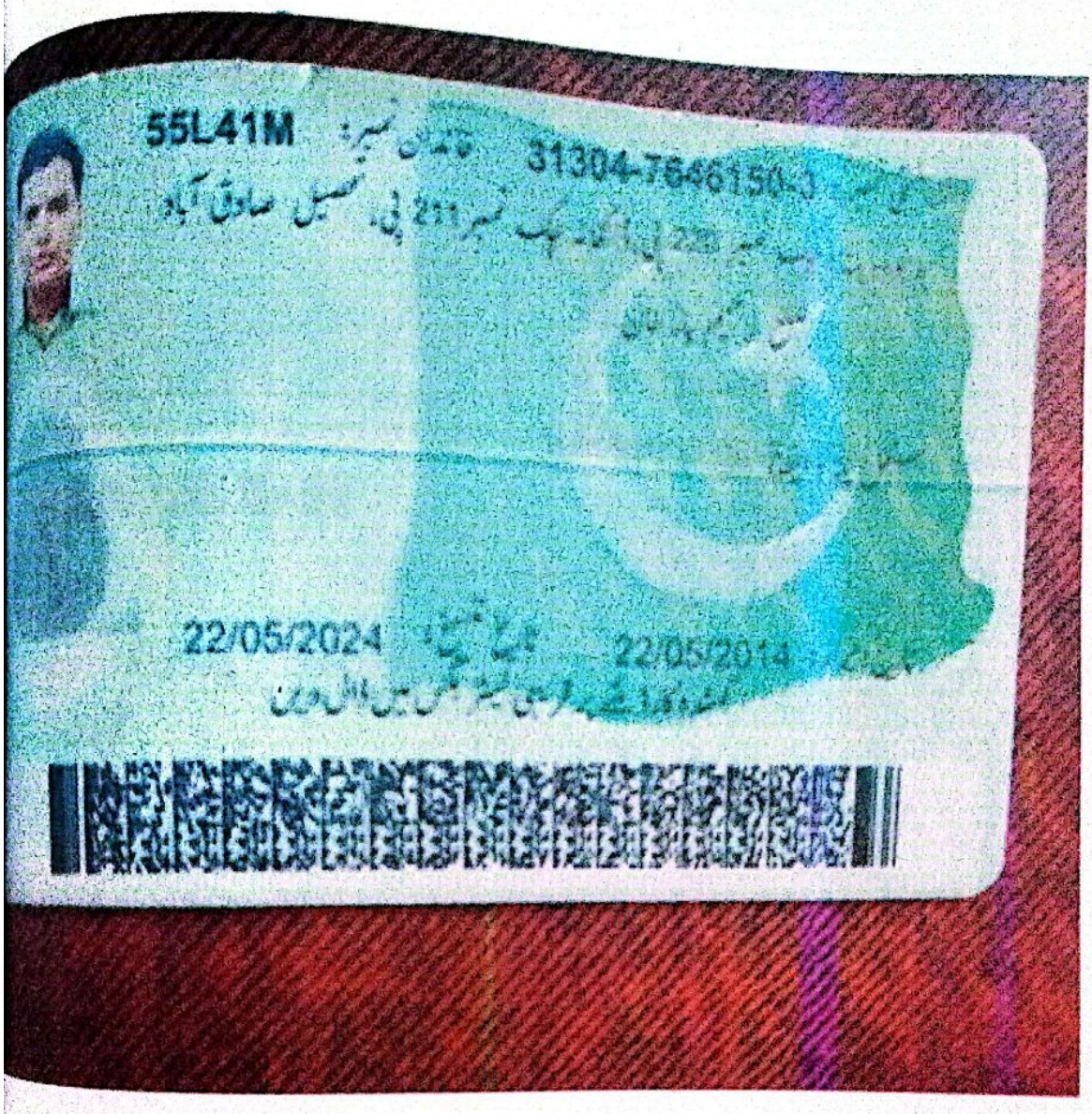
ANNEX-I

Proponent
CNIC

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ANNEX-II

Property Documents

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۱۰ کیفیت معہ 1 ۔نام نمبردار (اگر کوئی ہو) 2 ۔شرح مالیہ زمین	۹ سطالبہ معہ تفصیلات مالیہ و مبلغ	۸ مکان جو کاشتکار کا ہے کہ شرح اور مطالبہ	۷ وسائل آبپاشی معہ نام چاہ یا راجباہ وغیرہ	۶ رقبہ و جنس زمین کھیت و اوار اور میزان کمستونی کاشتکار، کمیت مالک	۵ نمبر خسرہ معہ نام اگر کوئی ہو	۴ نام کاشتکار معہ والد	۳ کاشتکار (۱)	(۲)	(۳)	(۴)	۲ بہ مالک معہ نام والد اخانہ قوم سکونت	۱ نمبر شمار	نمبر کھیت مالک
							درخی پاس ایک نمبر	خصوصی رقبہ مطابق حصہ	شرکہ کھاتہ میں مخصوص حصہ	نوعیت حقوق مالک راہن مرتہن			

نمبر کھیت	مربع نمبر	خسرہ نمبرات	خسرہ ملیہ تعین	پیمائش	جگہ
3	182/8	10, 2, 3	1,757,280	فی ایکڑ	آف روڈ
3	182/8	3	1,757,280	فی ایکڑ	لنک روڈ
3	183/1	1, 10, 11, 20, 21	1,757,280	فی ایکڑ	آف روڈ
3	183/1	1, 10, 11, 20, 21	1,757,280	فی ایکڑ	لنک روڈ
3	183/2	1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 5, 6, 7, 8, 9	1,757,280	فی ایکڑ	آف روڈ
3	183/2	1, 10, 11, 12, 13, 14, 15, 16, 17, 19, 20, 21, 22, 25, 6, 7, 8, 9	1,757,280	فی ایکڑ	لنک روڈ
3	183/3	1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, .20 ,2 ,الف1 9 ,8 ,7 ,4 ,3 ,25 ,24 ,23 ,22 ,21	1,757,280	فی ایکڑ	آف روڈ
3	183/3	1, 10, 12, 13, 14, 15, 16, 18, ,23 .22 .21 .20 ,2 ,الف1 9 ,8 ,4 ,3 ,24	1,757,280	فی ایکڑ	لنک روڈ

نقل مطابق اصل ہے — نام درخواست کنندہ — ارقم شوکت ولد شوکت علی

فرد برائے زائی ریکارڈ — قوم آرائیں — شناختی کارڈ نمبر 3130492579546



نام اجراء کنندہ — اصغر ندیم ولد سردار محمد — نیپیئر ٹرائزڈ نقل ۔دستخط کی ضرورت نہ ہے۔ — فرد آئی ڈی 0-00-00-034-00-00-00-0019569816

تاریخ فرد اجراء — 12/06/2023 15:42:44 — اراضی ریکارڈ سنٹر — سافٹ ویئر DMM-

فرد فیس — 700

تاریخ ٹوکن اجراء — 12/06/2023 15:20:26 — ٹوکن نمبر — 1029

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فردکی تصدیق کے لیے اپنے موبائل فون سے (QR) کوڈ سکین کریں۔

نقل رجسٹر حقداران زمین (مسل میعادی)

محال جمال دین والی | طرف/پتی ندارد | تحصیل صادق آباد | ضلع رحیم یار خان | سال 2019-20 کتاب نمبر | ورق نمبر 28 / 29

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (و)	۳ (ی)	۴	۵	۶	۷	۸	۹	۱۰
نمبر گھیوٹ / ملک	نمبر کھتونی کاشتکار	کوائف مالک: نام ملک معہ نام والد/خاوند قوم اور سکونت	نوعیت حقوق مالک راہن مرتہن	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص مرقبہ مطابق حصہ	زرعی پاس بک نمبر	نام کاشتکار معہ احوال	نمبر خسرہ معہ نام اگر کوئی ہو	مرقبہ و قسم زمین گھیوٹ وار اور میزان کھتونی کاشتکار و گھیوٹ مالک	وسائل آبپاشی معہ نام چلوا جاہ و نیرہ	کیفیت معہ مطالب معہ تفصیلات	کیفیت معہ 1 - نام نمبر دار (اگر کوئی ہو) 2 - شرح مالیہ زمین

نمبر گھیوٹ	مرلہ نمبر	خسرہ نمبران	خسرہ گرداوری	کیفیت	جگہ
3	183/6	1, 10, 11, 12, 13, 14, 17, 18, 19, 2, 20, 21, 22, 23, 24, 3, 4, 5, 6, 7, 8, 9	1,757,280	نی ایکڑ	آف روڈ
3	183/6	1, 10, 11, 12, 13, 14, 18, 2, 20, 21, 22, 3, 4, 5, 8	1,757,280	نی ایکڑ	لنک روڈ
313	165/5	14غربی, 17شمال, 18الف, 23, 2غربی, 7غربی, 12, 13, 9, 8	1,757,280	نی ایکڑ	آف روڈ
313	165/5	17شمال, 18الف, 12, 8	1,757,280	نی ایکڑ	لنک روڈ
313	182/4	12, 13, 14, 15, 16, 17, 18, 19, 22, 23, 24, 25	1,757,280	نی ایکڑ	آف روڈ
313	182/4	12, 13, 14, 15, 16, 17, 18, 19, 22, 23, 24, 25	1,757,280	نی ایکڑ	لنک روڈ
313	182/8	11, 12, 13, 14, 17, 18, 19, 20, 21, 22, 23, 24, 7الف, 8, 9	1,757,280	نی ایکڑ	آف روڈ
313	182/8	13, 17, 18, 19, 20, 21, 22, 23, 24, 7الف	1,757,280	نی ایکڑ	لنک روڈ
313	183/1	12, 13, 14, 15, 16, 17, 18, 19, 2, 22, 23, 24, 25, 3, 4, 5, 6, 7, 8, 9	1,757,280	نی ایکڑ	آف روڈ
313	183/1	12, 13, 15, 16, 17, 18, 22, 23, 24, 3, 4, 5, 6, 9	1,757,280	نی ایکڑ	لنک روڈ

نقل مطابق اصل ہے | نام درخواست کنندہ ارحم شوکت ولد شوکت علی | 31304925795 46

فرد آئی ڈی 0-00-00-034-00-00-00-0019569816 | اصغر علی ولد سردار محمد | 12/06/2023 15:42:44 | DMM-

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۱۰	۹	۸	۷	۶	۵	۴	۳ (iii)	۳ (ii)	۳ (i)	۳ کا حصہ مالک	۲	۱
کیفیت سند 1 - نام نمبر ورثا اگر کوئی ہو) 2 - شرح مالیہ زمین	مطالبہ سند تفصیلات مالیہ و مبوب	کون جو کا شتکار ہے شرح اور مطالبہ	وساکن آبپاشی سند نام چاہ وار اجباد وغیرہ	قبضہ قسم زمین کھیت وار اور میزان کھتونی کاشتکار و کھیوٹ مالک	نمبر خسرہ سند نام اگر کوئی ہو	نام کاشتکار سند اصل	ذری پاس بک نمبر	خصوصی رقبہ مطابق حصہ	خشکہ کھاتہ میں خصوص حصہ	نوعیت حقوق مالک راہن مرتہن	نام مالک سند نام پدر اندراج قوم سکونت	ملک	نمبر شمار

نمبر کھیوٹ	مرلع نمبر	خسرہ نمبران	خسرہ ویلیویشن	کیفیت	چکہ
313	183/2	2, 3, 4, 5الف	1,757,280	نی ایکڑ	آف روڈ
313	183/2	2, 3, 4, 5الف	1,757,280	نی ایکڑ	لنک روڈ
313	183/5	1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 2, 20, 21, 22, 23, 24, 3, 4, 5, 6, 7, 8, 9	1,757,280	نی ایکڑ	آف روڈ
313	183/5	12, 13, 15, 16, 2, 20, 21, 22, 23, 24, 3, 6, 7, 8, 9	1,757,280	نی ایکڑ	لنک روڈ

میزان کل رقبہ مستقلہ 630-12-0 چھ سو تیس کنال بارہ مرلے

کل کھیوٹ خسرہ ویلیویشن 137,209,445.00

DEHI MARKAZ MALL Circle Gald Pur

نقل مطابق اصل ہے نام درخواست کنندہ ارحم شوکت اللہ شوکت علی

فرد برائے ذاتی ریکارڈ قوم آرائیں

شناختی کارڈ نمبر 3130492579546



نام اجراء کنندہ اصغر ندیم ولد سردار محمد لیمینیٹڈ نقل۔ دستخط کی ضرورت نہ ہے فرد آئی ڈی 0-00-00-034-00-00-00-0019569816

ہمراہ فرد پر تنگ 12/06/2023 15:42:44 اراضی ریکارڈ سنٹر صادق آباد-DMM

ہمراہ فرد اجراء 12/06/2023 15:21:27 فرد فیس 700

ٹوکن نمبر 1029

تاریخ ٹوکن اجراء 12/06/2023 15:20:26

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۱	۲	۳	۴	۵	۶	۷	۸	۹	۱۰
حدود	نمبر شمار	مالک	نام مالکان سمیت اعوان	نمبر خسرہ سمیت نام اگر کوئی ہو	رقبہ، قسم زمین کھیت وغیرہ اور میزان گستوی کا شکارہ، کھیت مالک	وسائل آبپاشی سمیت نام چشمہ راجباہ وغیرہ	مکان جو کا شکار خود کرتا ہے شرح اور مطالبہ	مطالبہ سمیت تفصیلات مالیہ و حبوب	کیفیت سمیت 1 - نام نمبردار (اگر کوئی ہو) 2 - شرح مالیہ نوعیت
مذکور	3	10							
		۲							
		15							
		مذکور							

نقل مطابق اصل ہے

فرد برائے ذاتی ریکارڈ

نام درخواست کنندہ ارحم شوکت ولد شوکت علی

قوم آرائیں

شناختی کارڈ نمبر 3130492579546

نقل فرد بیانہ ذاتی ریکارڈ

نمبر انتقال	2059 حتم
انتقال بیٹا رجسٹری	
نمبر انتقال	2139 حتم
انتقال تبادلہ بمد ج فیصلہ	2012/05/09
نمبر انتقال	2147 حتم
انتقال وقف نامہ بمد ج فیصلہ	2012/06/18
بحوالہ فرد بدر نمبر 34 بتاریخ	
فیصلہ	23/12/2013
نمبر انتقال	2429 حتم
انتقال وراثت بمد ج فیصلہ	2016/06/20
نمبر انتقال	2430 حتم
انتقال وراثت بمد ج فیصلہ	2016/06/20



نام اجراء کنندہ اصغر ندیم ولد سردار محمد

بمد ج فرد اجراء 12/06/2023 15:42:44

بمد ج فرد اجراء 12/06/2023 15:21:27

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔

دائمی ریکارڈ سافٹ آفس DMM-

فرد فیس 700

ٹوکن نمبر 1029

فرد آئی ڈی 0-00-00-034-00-00-00-0019569816

بمد ج ٹوکن اجراء 12/06/2023 15:20:26

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فرد کی تصدیق کے لیے اپنے موبائل فون سے (QR) کوڈ سکین کریں۔

نقل رجسٹر حقداران زمین (مسل میعادی)

محال جمال دین والی　　طرف ارپتی غدارد　　تحصیل صادق آباد　　ضلع رحیم یار خان　　سال 2019-20 کتاب نمبر　　ورق نمبر 11 / 29

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ مالک	نمبر کھتونی کاشتکار	کوائف مالک: ہر مالک معہ نام والد/خاوند قوم اور سکونت	نوعیت حقوق مالک راہن مرتہن	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص رقبہ مطابق حصہ	زرعی ماس بک نمبر	ہر کاشتکار معہ احوال	نمبر خسرہ معہ نام اگر کوئی ہو	رقبہ و قسم زمین کھیت دار اور میزان کھتونی کاشتکار و کھیوٹ مالک	وسائل آبپاشی معہ نام چاہ/راجبہ وغیرہ	مطالبہ معہ تفصیلات بیاں وجوب	کیفیت معہ 1 - نام فہرستدار (اگر کوئی ہو) 2 - شرح مالیہ زمین
3 مذکور	10 تا 15 مذکور												نمبر انتقال 2046 حسم انتقال بک الربن رجسٹری نمبر انتقال 2051 حسم انتقال بک الربن رجسٹری نمبر انتقال 2044 حسم انتقال بک الربن رجسٹری نمبر انتقال 1909 حسم انتقال وقف نمبر انتقال 2058 حسم انتقال بک الربن رجسٹری نمبر انتقال 1921 حسم انتقال بک الربن نمبر انتقال 1922 حسم انتقال بک الربن نمبر انتقال 2047 حسم انتقال بک الربن رجسٹری

نمونہ برائے نقل دستی

نقل مطابق اصل ہے　　ارحم شوکت ولد شوکت علی　　3130492579546

فرد آئی ڈی 0-00-00-034-00-00-00-0019569816　　کمپیوٹرائزڈ نقل ہے دستخط کی ضرورت نہیں ہے　　DMM-ATJ ساخت پاکستان　　امتیاز علی ولد مراد محمد　　12/06/2023 15:42:44

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1	2	3	4	5	6	7	8	9	10
نمبر شمار	ہمسایگان سے ہمراہ حدود اربعہ آبپاشی شدہ	آبیانہ حق آبی کا	آبیانہ کے کھاتہ میں خصوص حصہ	خصوص حصہ قابل مطابقت	زرعی پاس بک نمبر	ہمراہ کاشتکار سے حاصل	نمبر شمار وار نمبر کرکی وار	زرعی آبپاشی سے نام پتہ وار ثبہ وغیرہ	زرعہ و تخم جس کی بوائی ہوئی ہو بیرون گھنوٹی کاشتکار و کمیت سے مانگ	نام کاشتکار و ولدیت	سکونت موضع یا پتہ راسخ	تاریخ اندراج
3	10											
ذکوہ	۳ 15 ذکوہ											

محوالہ انتقال نمبر 2203
عک آزر بن منتقلہ موارخہ
29/03/2019 کمائے
بذار قبہ تھدلوی
3750-11-0
1098/75011 بتذر
54-18-0 مجانب محمد
زبان والد عک جہان خاں
بحق زرعی ترقیاتی بنک
بلوحق سیلع 0 عک آزر بن
ہو چکا ہے
نمبر انتقال 1924 قسم
انتقال وراثت
نمبر انتقال 2045 قسم
انتقال عک آزر بن بذستوی

نمونہ برائے ٹائل ریکارڈ

نقل مطابق اصل ہے — ہمراہ درخواست کنندہ — ارقم خوشک ولد خوشک علی

فارم برائے کاپی پیسٹ — قوم آرائیں — 3130492579546

ڈی ڈی 0-00-00-034-00-00-00-0019569816

کمپیوٹرائزڈ نقل، دستخطی ضرورت نہیں ہے

12/06/2023 15:42:44

12/06/2023 15:21:27

12/06/2023 15:20:26

DMM-9T ساخت

700 فروخیس

1029 لوکن نمبر

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1	2	3	4	5	6	7	8	9	10
نمبر شمار	نمبر کھتونی	نام و سکونت	ولدیت حق ملک رہائن مرتن	شئو کی کھاتہ میں خصوص حصہ	خصوص رقبہ مطابق حصہ	زرعی پاس بک نمبر	نام کاشتکار سمہ احوال	نمبر عمر و سمہ نام اگر کوئی ہو	رقبہ و قسم زمین کھیت وار اور میزان کھتونی کاشتکار و کھیوٹ مالک
مذکور	10								
	3								
	15								
	مذکور								

11	12	13	14	15
کیفیت معہ 1 - نام نمبر ورر (اگر کوئی ہو) 2 - شرح لیہ رہن	مطالب معہ تفصیلات واجبہ وجوہ	مکان جو کاشتکار مدعا کرتا ہے شرح اور مطالب	وسائل آبپاشی معہ نام چاہ راجبہ وغیرہ	

نمبر انتقال 2432 حتم
انتقال ہبہ تاریخ فیصلہ
2016/06/23
نمبر انتقال 2433 حتم
انتقال ہبہ تاریخ فیصلہ
2016/06/23
نمبر انتقال 2435 حتم
انتقال ہبہ تاریخ فیصلہ
2016/06/23
نمبر انتقال 2458 حتم
انتقال ہبہ تاریخ فیصلہ
2016/10/04
نمبر انتقال 2321 حتم
انتقال ہبہ تاریخ فیصلہ
2015/12/28

فرد برائے ذاتی ریکارڈ

نقل مطابق اصل ہے — نام درخواست کنندہ: اجم شوکت ولد شوکت علی
فرد برائے ذاتی ریکارڈ — قوم: آرائیں
شناختی کارڈ نمبر: 3130492579546



نام اجراء کنندہ: اصغر ندیم ولد سردار محمد
تاریخ فرد پرنٹنگ: 12/06/2023 15:42:44
تاریخ فرد اجراء: 12/06/2023 15:21:27

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔
ادائیگی ریکارڈ سنٹر: صادق آباد-DMM
فرد فیس: 700
ٹوکن نمبر: 1029

فرد آئی ڈی: 0-00-00-034-00-00-00-0019569816
تاریخ ٹوکن اجراء: 12/06/2023 15:20:26

Scanned with CamScanner

نمبر انتقال 2436 حصہ انتقال [illegible] فیصلہ 29/05/2019 نمبر انتقال 2442 حصہ انتقال تبدیلی ملکیت [illegible] فیصلہ 2016/08/20 نمبر انتقال 2204 حصہ انتقال [illegible] فیصلہ 30/03/2019 [illegible] نمبر 68 [illegible] 29/03/2019 نمبر انتقال 2630 حصہ انتقال [illegible] فیصلہ 10/07/2019									10 15	3

0-00-00-034-00-00-00-0019559819 فرد آئی ڈی

DMM-4 [illegible]

فیس 700

1029

12/06/2023 15:42:44

12/06/2023 15:21:27



3130402579546

12/06/2023 15:20:26

Scanned with CamScanner

فرد کی تصدیق کے لیے اپنے موبائل فون سے (QR) کو اسکین کریں۔

نقل رجسٹر حقداران زمین (مسل میعادی)

محال جمال دین والا طرف ربی ندارد تحصیل صادق آباد ضلع رحیم یار خان سال 2019-20 کتاب نمبر ورق نمبر 15 / 29

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ / بلاک	نمبر کھتونی کاشتکار	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 خسرہ معہ نام اگر کوئی ہو	رقبہ و قسم زمین کیفیت دار اور میزان کھتونی کاشتکار و کھیوٹ مالک	وسائل آبپاشی معہ نام چاہ راجباہ وغیرہ	کفایت جو کاشتکار واکرتا ہے شرح اور مطالبہ	مطالبہ معہ تفصیلات مالیہ و حبوب	کیفیت معہ 1 - نام نمبردار (اگر کوئی ہو) 2 - شرح ایبہ زمین
3 مذکور	10 ج 15 مذکور												

فروخت کے ریکارڈ

نمبر انتقال 2694 قسم انتقال تبادلہ بحکم عدالت مدرج فیصلہ 19/02/2020
نمبر انتقال 2697 قسم انتقال تبادلہ زبانی مدرج فیصلہ 05/03/2020
نمبر انتقال 2700 قسم انتقال ہبہ زبانی مدرج فیصلہ 12/03/2020
نمبر انتقال 2776 قسم انتقال ہبہ رجسٹری مدرج فیصلہ 18/05/2021
نمبر انتقال 2843 قسم انتقال ہبہ رجسٹری مدرج فیصلہ 02/12/2021

نقل مطابق اصل ہے نام درخواست کنندہ ارحم شوکت ولد شوکت علی
فروخت کے ریکارڈ قوم آرائیں 3130492579546
شناختی کارڈ نمبر

نام اجراء کنندہ اصغر ندیم ولد سردار محمد کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہیں۔ فرد آئی ڈی 0-00-00-034-00-00-00-0019569816
مدرج کنندہ 12/06/2023 15:42:44 ۱۸ اضلع ریکارڈ ۱ صادق آباد DMM-AQ
مدرج افسر 12/06/2023 16:21:27 فرد فیس 700
ورق نمبر 1029

Scanned with CamScanner

۱	۲	۳ (الف)	۳ (ب)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر خسرہ	کھاتہ کا	کھاتہ کا					نمبر شمار	نمبر خسرہ و مساحت اگر کوئی ہو	رقبہ و قسم زمین کیفیت دار و رسیز ون کمتونی کاشتکار و کیفیت مالک	وسائل آبپاشی مع نمبر چاہ اجارہ وغیرہ	کنواں جو کاشتکار خود کرتا ہے شرح مالیہ مطالبہ	مطالبہ مع تفصیلات واجبہ و جنوب	کیفیت مع 1 ۔ نمبر نمبر رود (اگر کوئی ہو) 2 ۔ شرح پانی زمین
3	10	۳	۳ (ب)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
مذکور														
	15													
	مذکور													

نمبر انتقال 2818 قسم
انتقال وقف نامہ زبانی ہمرائی
فیصلہ 14/09/2021
نمبر انتقال 2888 قسم
انتقال بذریعہ جسٹری ہمرائی
فیصلہ 20/04/2022
نمبر انتقال 2938 قسم
انتقال بذریعہ زبانی ہمرائی فیصلہ
03/03/2023
نمبر انتقال 2939 قسم
انتقال وراثت زبانی ہمرائی
فیصلہ 30/11/2022
نمبر انتقال 2950 قسم
انتقال صرف بحق غیر دوعین
زبانی ہمرائی فیصلہ
31/12/2022

نقل مطابق اصل ہے — ۳۴ — لوست کنندہ — ارحم شوکت ولد فوکت علی

قوم آرائیں

شناختی کارڈ نمبر 3130492579546



0-00-00-034-00-00-00-0019569816 فرد آبی ڈی — لمبیے راستہ کا نقل و حمل کی ضرورت نہ ہے — اصغر علی ولد سردار محمد — ۳۴ ولد کنندہ

صادق آباد DMM-پا — مراضی رجسٹرار — 12/06/2023 15:42:44 — ٹمب ٹاری انگوٹھا

700 فروخیس — 12/06/2023 15:21:27 — تصدیق ٹاری انگوٹھا

1029 ٹوکن نمبر

12/06/2023 15:20:26 تاریخ ٹوکن جاری

Scanned with CamScanner

نقل رجسٹر حقداران زمین (مسل میعادی)

محال جمال دین والی — طرف/پتی عدد — تحصیل صادق آباد — ضلع رحیم یار خان — سال 2019-20 — کتاب نمبر — ورق نمبر 17 : 25

فردی تصدیق کے لیے اپنا سرکاری فون سے QR کوڈ سکین کریں۔

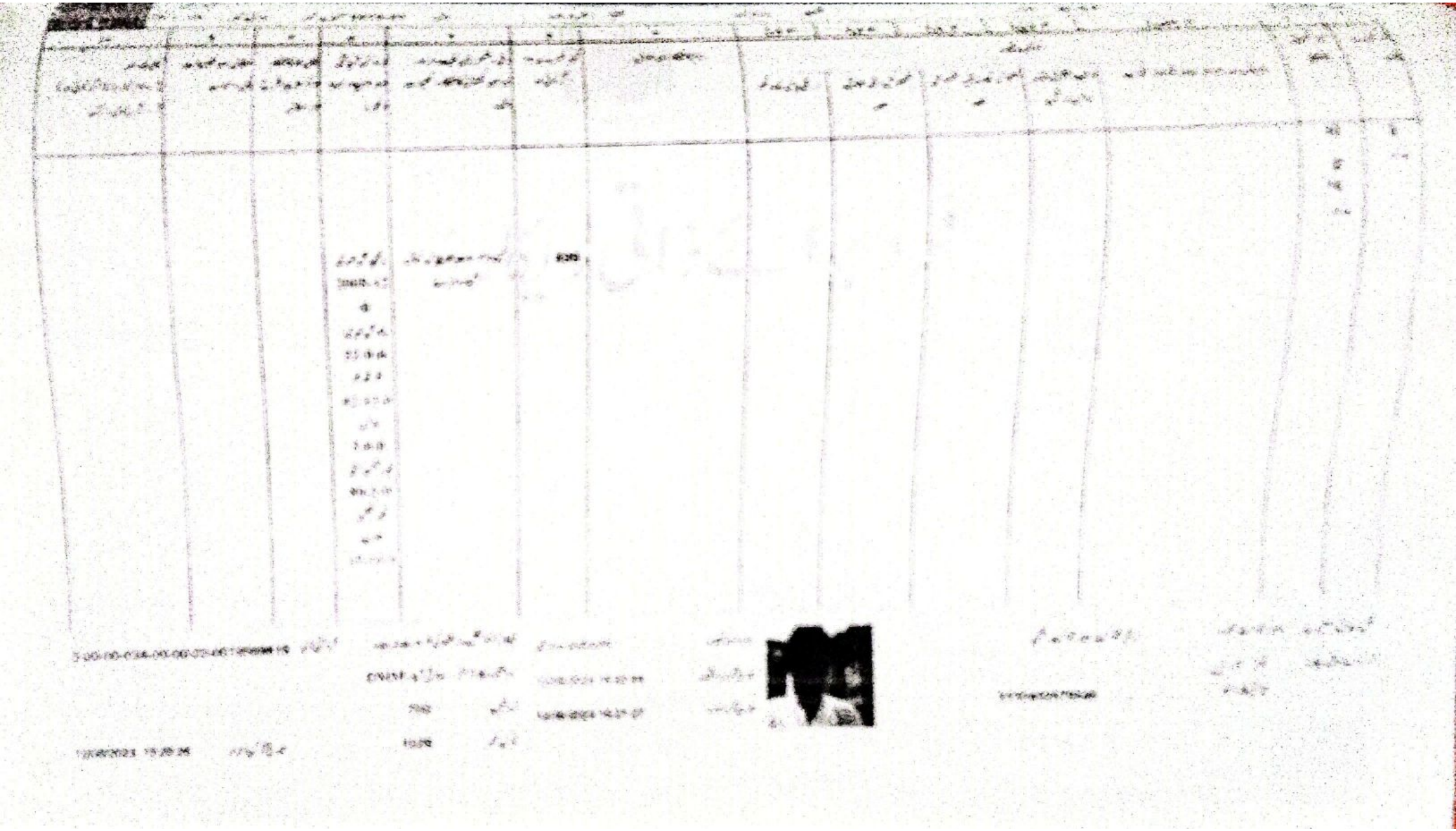
۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ر)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ مالک	نمبر کھتونی کاشتکار	کوائف مالک: ہم مالک معہ ہم والد/خاوند قوم پور سکونت	نوعیت حقوق مالک: داران مرتھن	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص رقبہ سابق حصہ	زرعی بک نمبر	ہم کاشتکار معہ اولاد	نمبر شمار معہ ہم اگر کوئی ہو	رقبہ، نمبر زمین کیفیت ہو ہو میزان کھتونی کاشتکار کھیوٹ مالک	سائل نے پانچی معہ ہم پور ہو ہو وغیرہ	کیفیت جو کاشتکار کرتے ثبت ہے نمبر مطابق	مطالبہ معہ تصدیقات نوعیت و جہ	کیفیت سہ 1- سہ نمبر ہو (اگر کوئی ہو) 2- شرح مالیہ درست
3 مذکور	10 ج 15 مذکور												
							میزان کھیوٹ	قلعت	3750-11-0	حسب زمین			نمبر مثل 2967 حسب مثل تاریخ پیشی 07/02/2023 نمبر مثل 2971 حسب مثل تاریخ پیشی 03/03/2023

فردِ مبادلہ فوائی ریکارڈ

نقل مطابق اصل ہے — ہم درخواست کنندہ — ارقم شوکت ولد شوکت علی — 31304925795 46

فردِ مبادلہ فوائی ریکارڈ — قوم آرائیں — شناختی کارڈ نمبر

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Scanned with CamScanner

فرد کی تصدیق کے لیے اپنے موبائل فون سے (QR) کوڈ سکین کریں۔

نقل رجسٹر حقداران زمین (مسل میعادی)

محال بمال دین والی | طرف/پتی عدارد | تحصیل صادق آباد | ضلع رحیم یار خان | سال 2019-20 کتاب نمبر | ورق نمبر 29 / 19

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ / مالک	نمبر کھتونی کاشتکار	کوائف مالک: نام مالک معہ نام والد/خاوند قوم اور سکونت	نوعیت حقوق مالک راہن مرتہن	مشترک کھاتہ میں مخصوص حصہ	مخصوص رقبہ مطابق حصہ	زرعی پاس بک نمبر	نام کاشتکار معہ اقبال	نمبر خسرہ معہ نام اگر کوئی ہو	رقبہ و قسم زمین کھیوٹ وار اور میزان کھتونی کاشتکار و کھیوٹ مالک	وسائل آبپاشی معہ نام چاہ/راجباہ وغیرہ	کیفیت معہ 1-نام نہر/دریا (اگر کوئی ہو) 2-شرح فی ایکڑ زمین	مطالبہ معہ تعمیرات مالیہ و جیب	کیفیت جو کاشتکار واگزشتہ بے شرح مد مطالبہ
3 مذکور	10 تا 15 مذکور									غیر ممکن سڑک 142-19-0 غیر ممکن شوکر خر 8-0-0 غیر ممکن نہر 3-2-0 غیر ممکن بنجر 0-10-0 غیر ممکن نیب ویل 1-0-0			

فرد برائے ذاتی ریکارڈ

نقل مطابق اصل ہے | نام درخواست کنندہ ارحم شوکت ولد شوکت علی

فرد برائے ذاتی ریکارڈ | قوم آرائیں | شناختی کارڈ نمبر 3130492579546

نام اجراء کنندہ | تاریخ فرد پرنٹنگ 12/06/2023 15:42:44 | تاریخ فراہمی 12/06/2023 15:21:27



امغر ندیم ولد مرزا محمد | کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہیں ہے۔

۱۸ شی ریکارڈ سنٹر صادق آباد-DMM | فرد فیس 700 | فرد نمبر 1029

فرد آئی ڈی 0-00-00-034-00-00-00-0019569816

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سال 2019-20 کتاب نمبر ... سال فصل ... ضلع ... تحصیل ... حلقہ ...

1	2	3 (الف)	3 (ب)	3 (ج)	3 (د)	3 (ہ)	4	5	6	7	8	9	10
نمبر شمار	کل کتونی ایکڑ	ایکڑ					نام کاشتکار سے حاصل	نہر نمبر و سب نہر (اگر کوئی ہو)	قسم زمین کیفیت وغیرہ، نیز زمین کتونی کاشتکار و کھیوٹ نمبر	ذرائع آبپاشی سب نہر، چاہ، ابیاہ وغیرہ	کیفیت سب 1۔ بوجہ قصور (اگر کوئی ہو) 2۔ بشرح مالی زمین	مطالبہ سب تحصیلدار مالی و محاسب	کیفیت جو کاشتکار نے آکر تسلیم شرح اور مطالبہ
		بموجب خسرہ ... سنت	آبیانہ حقانی نمبر	مختلف کھادیں مختلف حصہ	مخصوص قسم مطابق حصہ	زرعی واں بک نہر							
3	10												
نمبر	۳ 15 نمبر												
										گل نہری 56-0-0 نہری 1351-3-0			

نقل مطابق اصل ہے — درخواست کنندہ — ادائیگی فوکٹ ملہ فوکٹ علی

فون اے ایل نمبر 1/4 — قوم آرائیں — 3130492579546

ضلع 1/4 نمبر



درخواست کنندہ

محمد [illegible]

محمد [illegible]

اطلاع دینے کا وقت و تاریخ

12/06/2023 15:42:44

12/06/2023 15:21:27

لیبر/زائد عمل، معاوضہ کی ضرورت ہے

ریاضی/پیمائش سائز DMM-9

ٹریکٹر 700

ٹوکن نمبر 1029

ذرائع آبی 0-00-00-034-00-00-00-0019569816

محمد [illegible] 12/06/2023 15:20:26

Scanned with CamScanner

فردکی تصدیق کے لیے اپنے موبائل فون سے (QR) کوڈ سکین کریں۔

نقل رجسٹر حقداران زمین (مسل میعادی)

محال عمال دین دولی　طرف/پتی عدد　تحصیل صادق آباد　ضلع رحیم یار خان　سال 2019-20 کتاب نمبر　ورق نمبر 21 / 29

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ / مالک	نمبر کھتونی / کاشتکار	کوائف مالک: نام مالک معہ نام والد/خاوند قوم اور سکونت	نوعیت حقوق مالک رواں سرتھان	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص مرتبہ مطابق حصہ	زرعی پاس بک نمبر	نام کاشتکار معہ اخوال	نمبر خسرہ معہ نام اگر کوئی ہو	قرقبہ و قسم زمین کھیوٹ وار اور میزان کھتونی کاشتکار و کھیوٹ مالک	مسائل آبپاشی معہ نام چھہ اجباء وغیرہ	کیفیت جو کاشتکار کرتا ہے شرح اور مطالبہ	مطالبہ معہ تفصیلات واجبہ وصیب	کیفیت معہ 1- نام نمبر وار (اگر کوئی ہو) 2- شرح فی ایکڑ زمین

نمبر کھیوٹ	مرلع نمبر	خسرہ نمبران	خسرہ بلحاظ عین	حالیں	جمع
3	162/12	18ج، 20ج، 25ج	1,757,280	فی ایکڑ	آف روڈ
3	162/12	18ج، 20ج	1,757,280	فی ایکڑ	لنک روڈ
3	162/16	15الف، 16، 17، 18، 21، 22، 23، 24، 25	1,757,280	فی ایکڑ	آف روڈ
3	162/16	15الف، 16، 21، 22، 23، 24، 25	1,757,280	فی ایکڑ	لنک روڈ
3	163/10	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	1,757,280	فی ایکڑ	آف روڈ
3	163/10	1, 10, 12, 13, 14, 16, 17, 18, 20, 21, 23, 24, 25, 4, 5, 6, 7, 8, 9	1,757,280	فی ایکڑ	لنک روڈ
3	163/11	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	1,757,280	فی ایکڑ	آف روڈ
3	163/11	1, 12, 14, 15, 17, 18, 19, 20, 21, 23, 24, 25, 3, 4, 6, 7, 8	1,757,280	فی ایکڑ	لنک روڈ

نقل مطابق اصل ہے　نام درخواست کنندہ　درجہ شوکت ولد شوکت علی

فرد آئی ڈی 0-00-00-034-00-00-00-0019569816　لیپہ زمرہ نقل۔ دستخط کی ضرورت نہ ہے　اصغر ندیم ولد محمد　نام اجراء کنندہ　12/06/2023 15:42:44

DMM-صادق آباد　700　12/06/2023 15:21:27

3130492579546

Scanned with CamScanner

فردی تصدیق کے لیے اپنے موبائل فون سے (QR) کوڈ سکین کریں۔

نقل رجسٹر حقداران زمین (مسل میعادی)

محال جمال دین وہلی　　طرف/پتی عدد　　تحصیل صادق آباد　　ضلع رحیم یار خان　　سال 2019-20　　کتاب نمبر　　ورق نمبر 21 / 29

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ نائف	نمبر کھتونی کاشتکار	کوائف مالک: نام مالک معہ نام والد/خاوند قوم اور سکونت	نوعیت حقوق مالک راہن مرتہن	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص مرتبہ مطابق حصہ	زرعی پاس بک نمبر	نام کاشتکار معہ احوال	نمبر خسرہ معہ نام اگر کوئی ہو	قبضہ قسم زمین کیفیت وار اور میعاد نام کھتونی کاشتکار و کھیوٹ مالک	وسائل آبپاشی معہ نام چاہ/جاہ وغیرہ	کان جو کاشتکار واجر تے بے شرح اور مطالبہ	مطالبہ معہ تفصیلات واجبہ وجیوب	کیفیت معہ 1 - بہم نمبروار (اگر کوئی ہو) 2 - شرح فی ایکڑ زمین

نمبر کھیوٹ	مربع نمبر	خسرہ نمبران	خسرہ پیمائش	کاشت	تجد
3	162/12	18ج، 20ج، 25ج	1,757,280	فی ایکڑ	آف روڈ
3	162/12	18ج، 20ج	1,757,280	فی ایکڑ	لنک روڈ
3	162/16	15الف، 16، 17، 18، 21، 22، 23، 24، 25	1,757,280	فی ایکڑ	آف روڈ
3	162/16	15الف، 16، 21، 22، 23، 24، 25	1,757,280	فی ایکڑ	لنک روڈ
3	163/10	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	1,757,280	فی ایکڑ	آف روڈ
3	163/10	1, 10, 12, 13, 14, 16, 17, 18, 20, 21, 23, 24, 25, 4, 5, 6, 7, 8, 9	1,757,280	فی ایکڑ	لنک روڈ
3	163/11	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	1,757,280	فی ایکڑ	آف روڈ
3	163/11	1, 12, 14, 15, 17, 18, 19, 20, 21, 23, 24, 25, 3, 4, 6, 7, 8	1,757,280	فی ایکڑ	لنک روڈ

نقل مطابق اصل ہے　　نام درخواست کنندہ ارحم شوکت ولد شوکت علی

فرد برائے ادائیگی زرعیہ　　قوم آرائیں

فائنل کاپی نمبر　　3130492579546



نام اجرا کنندہ

ہمراہ قریبی فنگ

ہمراہ فرد نمبر

اصغر علی ولد سردار محمد　　لیبر زمرہ نقل۔ دستخط کی ضرورت نہ ہے

12/06/2023 15:42:44　　DMM-AT صادق آباد

12/06/2023 15:21:27　　700

فروآئی ڈی 0-00-00-034-00-00-00-00-0019569816

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۱	۲	۳ (الف)	۳ (ب)	۳ (ج)	۳ (د)	۳ (ہ)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر کھیوٹ	کوائف مالک: نام مالک معہ نام والد/خاوند قوم اور سکونت	کوائف مالک: نوعیت حقوق مالک رائج سر تعین	کوائف مالک: مشترکہ کھاتہ میں مخصوص حصہ	کوائف مالک: مخصوص درجہ مطابق حصہ	کوائف مالک: زرعی پاس بک نمبر	نام کاشتکار معہ احوال	نمبر خسرہ معہ نام اگر کوئی ہو	رقبہ و قسم زمین کھیت وار اور میزان کھتونی کاشتکار و کھیوٹ مالک	وسائل آبپاشی معہ نام چاہ/راجباہ وغیرہ	کیفیت معہ 1 - نہم نمبر ور (اگر کوئی ہو) 2 - شرح مالیہ زمین	مطالبہ معہ تفصیلات مالیہ و معیوب	کیفیت معہ کیفیات کاشتکار جو کاشتکار ہو اگر تبدیلی شرح مالیہ اور مطالبہ

نمبر کھیوٹ	مرقع نمبر	خسرہ نمبران	خسرہ ویلیویشن	کیفیت	جگہ
3	163/12	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	1,757,280	فی ایکڑ	آف روڈ
3	163/12	1, 10, 11, 12, 14, 15, 16, 17, 19, 2, 20, 21, 22, 23, 24, 25, 3, 5, 6, 7, 8	1,757,280	فی ایکڑ	لنک روڈ
3	163/13	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	1,757,280	فی ایکڑ	آف روڈ
3	163/13	10, 12, 13, 14, 15, 17, 19, 22, 23, 25, 4, 5, 6, 7, 8, 9	1,757,280	فی ایکڑ	لنک روڈ
3	163/14	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	1,757,280	فی ایکڑ	آف روڈ
3	163/14	1, 10, 12, 13, 15, 16, 18, 19, 2, 20, 21, 22, 23, 24, 25, 3, 4, 5, 6, 7, 8	1,757,280	فی ایکڑ	لنک روڈ
3	163/15	15الف، 15ب، 16، 17، 18، 15، 14، 13، 12، 11، 10، 1، 19، 2، 20، 21، 22، 23، 24، 24الف، 25، 3، 4، 5، 5الف، 5ب، 6، 6الف، 7، 8، 9	1,757,280	فی ایکڑ	آف روڈ

نقل مطابق اصل ہے

فرد برائے ذاتی ریکارڈ

نام درخواست کنندہ: ارحم شوکت ولد شوکت علی

قوم: آرائیں

شناختی کارڈ نمبر: 3130492579546



نام اجراء کنندہ: اصغر ندیم ولد سردار محمد

تاریخ فرد پرنٹنگ: 12/06/2023 15:42:44

تاریخ فرد اجراء: 12/06/2023 15:21:27

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہیں ہے

اراضی ریکارڈ سنٹر: صادق آباد-DMM

فرد فیس: 700

ٹوکن نمبر: 1029

تاریخ ٹوکن اجراء: 12/06/2023 15:20:26

فرد آئی ڈی: 0-00-00-034-00-00-00-0019569816

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فرد کی تصدیق کے لیے اپنے موبائل فون سے (QR) کوڈ اسکین کریں۔

نقل رجسٹر حقداران زمین (مسل میعادی)

محال عمال دین پور لی | طرف/تپہ عمارد | تحصیل صادق آباد | ضلع رحیم یار خان | سال 2019-20 | کتاب نمبر | ورق نمبر 29 / 23

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیت بانک	نمبر کھتونی کاشتکار	کوائف مالک					نام کاشتکار معہ احوال	نمبر خسرہ معہ ہم اگر کوئی ہو	رقبہ و قسم زمین کھیت بدار میزان کھتونی کاشتکار و کھیت بانک	وصولیاں آبپاشی معہ ہم چدہ اجراء وغیرہ	کیفیت طلب معہ تصدیقات	مطالبہ معہ تصدیقات بقایہ وجوب	کیفیت معہ 1 - ہم نمبر ہذا (اگر کوئی ہو) 2 - شرح لیہ زمین
		نام مالک معہ ہم والد/خاوند قوم اور سکونت	نوعیت حقوق مالک راہن مرتہن	مشترکہ کھاتہ میں مخصوص حصہ	مخصوصہ قبہ مطابق حصہ	زرعی پاس بک نمبر							

نمبر کھیت	مربع نمبر	خسرہ نمبران	رقبہ	کیفیت	جگہ
3	163/15	15ب، 16، 18، 23، 24، 25، 3، 5، 5الف، 5ب، 11، 13، 14، 6، 6الف، 7، 8، 9	1,757.280	نی ایکڑ	لنک روڈ
3	163/16	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	1,757.280	فی ایکڑ	آف روڈ
3	163/16	1، 10، 11، 12، 14، 16، 17، 18، 19، 20، 21، 22، 23، 24، 25، 3، 5، 6، 7، 8، 9	1,757.280	فی ایکڑ	لنک روڈ
3	163/5	11الف، 11ج، 11د، 12، 12ج، 13، 14، 15، 16، 17، 18، 19، 20، 21، 22، 23، 24، 25، 6، 6ج، 7ج	1,757.280	فی ایکڑ	آف روڈ
3	163/5	11الف، 11ج، 12، 12ج، 13، 14، 16، 17، 19، 20، 23، 24، 6، 6ج	1,757.280	فی ایکڑ	لنک روڈ
3	163/6	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	1,757.280	فی ایکڑ	آف روڈ
3	163/6	1، 10، 11، 12، 13، 14، 15، 18، 19، 2، 21، 22، 23، 24، 25، 4، 5، 6، 9	1,757.280	فی ایکڑ	لنک روڈ

نقل مطابق اصل ہے — نام درخواست کنندہ: ارحم شوکت ولد شوکت علی — 3130492579546

فرد برائے زراعی بنکاری — قوم آرائیں — CNIC کارڈ نمبر

نام وصول کنندہ — مہر تحریری بنک — دستخط

امضاء نائب تحصیلدار صادق آباد — 12/06/2023 15:42:44

کمپیوٹرائزڈ نقل ۔ دستخط کی ضرورت نہیں ہے۔ — DMM-A — 700

فرد آئی ڈی 0-00-00-034-00-00-00-0019569816

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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 مالک	نمبر شمار کاشتکار	نام مالک معہ نام والد/خاوند قوم اور سکونت	نوعیت حقوق مالک رعایتی مرتبن	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص رقبہ مطابق حصہ	زرعی پاس بک نمبر	کوائف مالک	نام کاشتکار معہ احوال	نمبر خسرہ معہ نام اگر کوئی ہو	رقبہ و قسم زمین کیفیت وار اور میزان گھتونی کاشتکار و کیفیت مالک	وسائل آبپاشی معہ نام چاہ و اجبارہ وغیرہ	کاشتکار جو کاشتکار ہو آکر تا بے شرح اور مطالب	مطالبہ معہ تفصیلات مالیہ و جوب	کیفیت معہ 1 - نام نمبردار (اگر کوئی ہو) 2 - شرح مالیہ زمین

نمبر کھیوٹ	مرلہ نمبر	خسرہ نمبران	خسرہ ویلیو ین	کیفیت	جگہ
3	163/7	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	1,757,280	نی ایکڑ	آف روڈ
3	163/7	11, 14, 15, 16, 20, 21, 22, 23, 24, 25, 3, 4, 5, 6, 7, 9	1,757,280	نی ایکڑ	لنک روڈ
3	163/8	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	1,757,280	نی ایکڑ	آف روڈ
3	163/8	1, 11, 12, 13, 15, 16, 17, 18, 19, 2, 20, 22, 23, 24, 3, 4, 5, 6, 8, 9	1,757,280	نی ایکڑ	لنک روڈ
3	163/9	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21، 20، 1، 9، 8، 7، 6، 5، 4، 3، 2، 25، 24، 23، 22	1,757,280	نی ایکڑ	آف روڈ
3	163/9	10, 13, 15, 16, 17, 18, 19, 20, 23, 25, 3, 5, 6, 7, 8	1,757,280	نی ایکڑ	لنک روڈ
3	164/10	1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 2, 20, 21, 22, 23, 24, 25, 3, 4, 5, 6, 8, 9	1,757,280	نی ایکڑ	آف روڈ
3	164/10	1, 10, 11, 12, 13, 14, 15, 16, 18, 19, 2, 20, 21, 22, 23, 24, 25, 3, 4, 5, 6, 8	1,757,290	نی ایکڑ	لنک روڈ

نقل مطابق اصل ہے — ہم درخواست کنندہ — ارقم شوکت ولد شوکت علی

فرد برائے ذاتی کاروبار — قوم آرائیں

شناختی کارڈ نمبر 3130492579546

ہم اجراء کنندہ — اصغر ندیم ولد سردار محمد

تاریخ فرد پرنٹ 12/06/2023 15:42:44

تاریخ فرد اجراء 12/06/2023 15:21:27



کمپیوٹرائزڈ نقل ہے دستخط کی ضرورت نہیں ہے۔

براہ راضی ریکارڈ اسٹنر صادق آباد-DMM

فرد فیس 700

ٹوکن نمبر 1029

تاریخ ٹوکن اجراء 12/06/2023 15:20:26

فرد آئی ڈی 0-00-00-034-00-00-00-0019569816

Scanned with CamScanner

فرد کی تصدیق کے لیے اپنے موبائل فون سے (QR) کوڈ سکین کریں۔

نقل رجسٹر حقداران زمین (مسل میعادی)

محال جمال دین والی طرف ربی عدد تحصیل صادق آباد ضلع رحیم یار خان سال 2019-20 کتاب نمبر ورق نمبر 29 / 25

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ / نمبر مالک	نمبر کھتونی کاشتکار	کوائف مالک					نام کاشتکار معہ احوال	نمبر خسرہ معہ نام اگر کوئی ہو	رقبہ و قسم زمین کیفیت وار اور میزان کھتونی کاشتکار و کھیوٹ مالک	وسائل آبپاشی معہ نام چاہ/جاوہ وغیرہ	کفایت کاشتکار و اگر نہ ہے شرح اور مطالبہ	مطالبہ معہ تفصیلات لیے وجوب	کیفیت معہ 1 - نہم نمبر وار (اگر کوئی ہو) 2 - شرح فی زمین
		نام مالک معہ نام والد / خاوند قوم اور سکونت	نوعیت حقوق مالک راہن مرتہن	مشترکہ کھاتہ میں تخصوص حصہ	تخصوص رقبہ مطابق حصہ	زرعی پاس بک نمبر							

نمبر کھیوٹ	مرلہ نمبر	خسرہ نمبرات	خسرہ بلیچن	جائیداد	جگہ
3	164/5	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	1,757,280	نی ایکڑ	آف روڈ
3	164/5	1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 2, 20, 22, 23, 24, 25, 3, 5, 6, 7, 8	1,757,280	نی ایکڑ	لنک روڈ
3	164/6	1, 2, 3, 4, 5	1,757,280	نی ایکڑ	آف روڈ
3	164/6	1, 2, 3, 4, 5	1,757,280	نی ایکڑ	لنک روڈ
3	164/8	1, 10, 2, 3, 4, 5, 7, 8, 9	1,757,280	نی ایکڑ	آف روڈ
3	164/8	1, 10, 2, 3, 4, 5, 7, 8	1,757,280	نی ایکڑ	لنک روڈ
3	164/9	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	1,757,280	نی ایکڑ	آف روڈ
3	164/9	1, 11, 13, 14, 15, 16, 17, 18, 19, 2, 20, 21, 23, 24, 3, 4, 5, 6, 8, 9	1,757,280	نی ایکڑ	لنک روڈ
3	165/7	23	1,757,280	نی ایکڑ	آف روڈ

نقل مطابق اصل ہے نام درخواست کنندہ ارحم شوکت ولد شوکت علی

فرد برائے ذاتی ریکارڈ قوم آرائیں

شناختی کارڈ نمبر 3130492579546

نام اجراء کنندہ

تاریخ اجراء کنندہ



اضافہ نام ولد سرور محمد کمپیوٹرائزڈ نقل ۔ دستخطی مہر ضرورت نہیں ہے۔

۱۸ شعبہ ریکارڈ سنٹر صادق آباد-DMM

12/06/2023 15:42:44

12/06/2023 15:21:27

فرد آئی ڈی 0-00-00-034-00-00-00-0019569816

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26 / 28 ورق نمبر | 2019-20 کتاب نمبر | سال | ضلع رحیم یار خان | تحصیل صادق آباد | حلقہ نمبر | عدد

۱ نمبر شمار	۲ نمبر کھیوٹ کاشتکار	۳ (الف) نام مالک معہ نام والد اعانہ قوم اور سکونت	۳ (ب) کوائف مالک حیثیت حقوق مالک راہن مرتہن	۳ (ج) مشترکہ کھاتہ میں مخصوص حصہ	۳ (د) مخصوص رقبہ مطابق حصہ	۳ (ہ) زرعی بانک نمبر	۳ نام کاشتکار معہ احوال	۵ نمبر خسرہ معہ نام اگر کوئی ہو	۶ رقبہ و قسم زمین کھیت وار اور میزان کھتونی کاشتکار و کھیوٹ مالک	۷ وسائل آبپاشی معہ نام چاہ راجباہ وغیرہ	۸ گمان جو کاشتکار ادا کرتا ہے شرح اور مطالبہ	۹ مطالبہ معہ تفصیلات واجبہ و مجوب	۱۰ کیفیت معہ 1 - نمبر وار (اگر کوئی ہو) 2 - شرح مالیہ زمین

نمبر کھیوٹ	مرلع نمبر	خسرہ نمبران	خسرہ ایلیویشن	سائل	جگہ
3	165/7	23	1,757,280	فی ایکڑ	لنک روڈ
3	165/8	18	1,757,280	فی ایکڑ	آف روڈ
3	165/8	18	1,757,280	فی ایکڑ	لنک روڈ
3	166/6	10, 3, 4, 5, 6, 7, 8, 9	1,757,280	فی ایکڑ	آف روڈ
3	166/6	4, 7, 8	1,757,280	فی ایکڑ	لنک روڈ
3	167/10	7, 9	1,757,280	فی ایکڑ	آف روڈ
3	167/10	9	1,757,280	فی ایکڑ	لنک روڈ
3	182/4	11, 20, 21	1,757,280	فی ایکڑ	آف روڈ
3	182/4	11, 20, 21	1,757,280	فی ایکڑ	لنک روڈ
3	182/7	12, 18, 19, 2, 9 ,22الف	1,757,280	فی ایکڑ	آف روڈ
3	182/7	12, 19, 9	1,757,280	فی ایکڑ	لنک روڈ

نقل مطابق اصل ہے — ارحم شوکت ولد شوکت علی

فرد برائے ڈیٹا ریکارڈ — قوم آرائیں

شناختی کارڈ نمبر 3130492579546



نام اجراء کنندہ — اصغر ندیم ولد سردار محمد

تاریخ فرد پرنٹنگ 12/06/2023 15:42:44

تاریخ فرد اجراء 12/06/2023 15:21:27

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے

اراضی ریکارڈ سنٹر صادق آباد-DMM

فرد فیس 700

نوکن نمبر 1029

تاریخ نوکن اجراء 12/06/2023 15:20:26

فرد آئی ڈی 0-00-00-034-00-00-00-0019569816

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سال 2019-20 کتاب نمبر ورق نمبر 29 / 8

۱	۲	۳ (الف)	۳ (ب)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر شمار	نمبر خسرہ	کاشتکار مالک						نام کاشتکار معہ احوال	نمبر خسرہ معہ نام اگر کوئی ہو	رقبہ و جنس زمین کھیت وار اور میزان کھتونی کاشتکار و کھیت مالک	وسائل آبپاشی معہ نام چاہ و اجالہ وغیرہ	نشان جو کاشتکار کرتا ہے شرح اور مطالب	مطالبہ معہ تفصیلات مالیہ و حبوب	کیفیت معہ 1 - نام نمبردار (اگر کوئی ہو) 2 - شرح جمع زمین
		نام مالک معہ نام والد اخاندہ قوم اور سکونت	نوعیت حقوق مالک راہن مرتہن	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص رقبہ مطابق حصہ	زرعی پاس بک نمبر								
3	10													
مذکور	تا 15 مذکور													بحوالہ انتقال نمبر 2524 مورخہ 2017/06/22 کھاتہ 400/150816 بذار قبہ تعداد ی 0-5-3770 بقدر 0-0-100 منجانب الائیڈ بنک لمیٹڈ بحق محمد عمر ولد مولا بخش بلعوض مبلغ 0 مک آزر ہن ہو چکا ہے

نمونہ برائے تحقیق ریکارڈ



نام اجراء کنندہ: اصغر ندیم ولد سردار محمد

تاریخ فرد پرنٹنگ: 12/06/2023 15:42:44

تاریخ فرد اجراء: 12/06/2023 15:21:27

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔

اراضی ریکارڈ سنٹر: صادق آباد-DMM

فرد فیس: 700

ٹوکن نمبر: 1029

تاریخ ٹوکن اجراء: 12/06/2023 15:20:26

فرد آئی ڈی: 0-00-00-034-00-00-00-0019569816

ارحم شوکت ولد شوکت علی

3130492579546

درخواست کنندہ

قوم آرائیں

شناختی کارڈ نمبر

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فرد کی تصدیق کے لیے اپنے موبائل فون سے (QR) کوڈ سکین کریں۔

نقل رجسٹر حقداران زمین (مسل میعادی)

محال جدید دین پوٹی طرف/پتی عدد تحصیل صادق آباد ضلع رحیم یار خان سال 2019-20 کتاب نمبر ورق نمبر 29 / S

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ مالک	نمبر کھتونی کاشتکار	کوائف مالک: نام مالک معہ نام والد / خاوند قوم اور سکونت	نوعیت حقوق مالک زارعین ہر تبین	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 وار اور میزان کھتونی کاشتکار، کھیوٹ مالک	وسائل آبپاشی معہ نام چاہ وار اجباد وغیرہ	کیفیت معہ کان جو کاشتکار اور کرتا ہے شرح ہر مطالب	مطالب معہ تفصیلات پایہ و منسوب	کیفیت معہ 1۔ نام نمبر دار (اگر کوئی ہو) 2۔ شرح لگان زمین
3 مذکور	10 ت 15 مذکور												بحوالہ انتقال نمبر 2522 عکس گزر بہن منعقدہ مورخہ 2017/06/22 بذریعہ تبدیلی 3770-5-0 400/150817 بقدر 100-0-0 منجانب الائیڈ بنک لمیٹڈ بحق نیاز محمد ولد اللہ بخش بعوض مبلغ 0 عکس گزر بہن ہو چکا ہے

نمونہ برائے ڈیٹا ریکارڈ

نقل مطابق اصل ہے نام درخواست کنندہ ارحم شوکت ولد شوکت علی فرد برائے ڈیٹا ریکارڈ

قوم آرائیں 3130492579546 شناختی کارڈ نمبر

نام اجراء کنندہ مہر تحریر عکس مہر تاریخ اجراء



اصغر ندیم ولد سردار محمد ایمپوٹر ائزڈ نقل۔ دستخط کی ضرورت نہیں ہے۔

DMM-صادق آباد ۱۸ ضلع ریکارڈ آفس

12/06/2023 15:42:44

TOO ڈویژن

12/06/2023 15:21:27

فرد آئی ڈی D-00-00-034-00-00-00-0019569816

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۱ نمبر شمار مالک	۲ نمبر کھتونی کاشتکار	۳ (الف) کوائف مالک: نام مالک معہ نام والد/خاوند قوم اور سکونت	۳ (ب) نوعیت حقوق مالک و باہمن مرتہن	۳ (ج) مشترکہ کھاتہ میں مخصوص حصہ	۳ (د) مخصوص رقبہ مطابق حصہ	۳ (ہ) زرعی پاس بک نمبر	۳ (و) نام کاشتکار معہ احوال	۵ نمبر فسر و معہ نام اگر کوئی ہو	۶ رقبہ و جنس زمین کھیت وار ہور میزان کھتونی کاشتکار و کھیوٹ مالک	۷ وسائل آبپاشی معہ نام چاہ راجباہ وغیرہ	۸ نشان جو کاشتکار خود اکرتا ہے شرح ہور مطالبہ	۹ مطالبہ معہ تفصیلات مالیہ و حبوب	۱۰ کیفیت معہ 1 - نیم نمبر دار (اگر کوئی ہو) 2 - شرح مالیہ زمین
3	10 تا 15	مسمی ڈی ڈبلیو شوگر ملز جمالدین والی (ب) قومی شناختی کارڈ نمبر	مالک	427584/20402992 حصہ مشترکہ 1572/75011	78-12-0 رقبہ مشترکہ 78-12-0		باقی بدستور	قطعات 499	سالم کھاتہ 3750-11-0 تین ہزار سات سو پچاس کنال				بحوالہ انتقال نمبر 2519 بنک آزر ہن منعقدہ مورخہ 2017/06/22 کھاتہ بذمرتبہ تعداد ی 3770-5-0 400/15081 ر بقدر 100-0-0 منجانب زرعی ترقیاتی بنک بحق نارے خاں ولد غازی واحدے خاں ولد غازی بعوض مبلغ 396000 بنک آزر ہن ہو چکا ہے
		باقی بدستور میزان		73439/75011 1572/75011	78-12-0								

نقل مطابق اصل ہے — نام درخواست کنندہ: ارحم شوکت ولد شوکت علی

فرد برائے ذاتی ریکارڈ — قوم آرائیں

شناختی کارڈ نمبر 31304925795 46

نام اجراء کنندہ: اصغر ندیم ولد سردار محمد

تاریخ فرد پرنٹ: 12/06/2023 15:42:44

تاریخ فرد اجراء: 12/06/2023 15:21:27



کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔

ادارہ ریکارڈ دفتر صادق آباد-DMM

فرد فیس 700

ٹوکن نمبر 1029

فرد آئی ڈی 0-00-00-034-00-00-00-0019569816

تاریخ ٹوکن اجراء 12/06/2023 15:20:26

Scanned with CamScanner

نقل رجسٹر حقداران زمین (مسل میعادی)

حال حوالہ بین دوالی — طرف ارثی غدود — تحصیل صادق آباد — ضلع رحیم یار خان

کتاب نمبر 2019-20 — سال — ورق نمبر 29 / 6

(QR) کی تصدیق کے لیے اپنا موبائل اوپر لے

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھوت	نمبر کتونی مالک	کولمک مالک					نام کاشتکار سابقہ و حال	نمبر لسٹ سابقہ و حال اگر کوئی ہو	نوعیت و قسم زمین کھیت، باغ، کتونی وغیرہ کھیت مالک	سال آبیانی سابقہ و حال نمبر کھیوٹ	کیفیت سابقہ کیفیت حال وجہ تبدیلی	کیفیت سابقہ کیفیت حال	کیفیت سابقہ (1۔ نام کھوت (اگر کوئی ہو) 2۔ رقبہ فی ایکڑ)
		نام مالک سابقہ نام والد / خاوند قوم سکونت	نوعیت حقوق مالک (دائمی مرحونی)	حقوق کی دیگر خصوصیات	خصوصیات حقوق سابقہ	سابقہ مالک نمبر							
313 مذکور										0 نولی 27-4-0			

فرد برائے ڈاک ریکارڈ

نقل مطابق مسل ہے — بمعہ درخواست کنندہ — ادھم شوکت ولد شوکت علی — 31304925795-6

فرد برائے ڈاک ریکارڈ — قوم آرائیں — شناختی کارڈ نمبر

نام افسر ڈاک خانہ — نام ڈاک خانہ

تاریخ ڈاک خانہ 12/06/2023 15:42:44 — تاریخ واپسی 12/06/2023 16:21:27

نقل زائد کی ضرورت ہے — DMM-TOD — ٹوکن

رجسٹری ڈاک 000-00-039-00-00-00-0019569816

سال 2019-20

۱۰	۹	۸	۷	۶	۵	۴	۳ (د)	۳ (ج)	۳ (ب)	۳ (الف)	۲	۱	۱
کیفیت سعد 1 - نام نمبردار (اگر کوئی ہو) 2 - شرح مالیہ زمین	مطالبہ سعد تصفیہ ت مالیہ و حیثیت	مکان ہو کاشتکار ہو اگر تبدیلی شرح اور مطالبہ	وسائل آبپاشی سعد نہم چنوراجبوہ وغیرہ	رقبہ و قسم زمین کھیت وار اور میزان کھتونی کاشتکار و کھیوٹ مالک	نمبر خسرہ معہ نام اگر کوئی ہو	نام کاشتکار معہ احوال	زرعی باس تک نمبر	خصوصی رقبہ مطابق حصہ	مشترکہ کی کمادیں خصوص حصہ	ترجیحی حقوق مالک وراثان مرحومین	نمبر مالک معہ نام والد آبادی قوم ہوں سکونت	نمبر شمار	ملک
			بنجر جدید 4-0-0 بنجر قدیم 35-0-0 غیر ممکن بستی 7-0-0 غیر ممکن سڑک 16-0-0 غیر ممکن سکول 8-0-0 غیر ممکن شوگر ملز 510-16-	چھ سو آٹھ کنال	85								313 مذکور

نمونہ کے زمانی ریکارڈ

نقل مطابق اصل ہے — نام درخواست کنندہ: ارحم شوکت ولد شوکت علی

قوم آرائیں

CNIC 3130492579546

نام اجراء کنندہ

تاریخ فراہمی نقل 12/06/2023 15:42:44

تاریخ فراہم اجراء 12/06/2023 15:21:27



اصغر ندیم ولد سردار محمد

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہ ہے۔

فرد آئی ڈی 0-00-00-034-00-00-00-0019569816

اراضی ریکارڈ سنٹر صادق آباد-DMM

فرد نمبر 700

ٹوکن نمبر 1029

تاریخ ٹوکن اجراء 12/06/2023 15:20:26

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فرد کی تصدیق کے لیے اپنے سمارٹ فون سے (QR) کوڈ اسکین کریں۔

نقل رجسٹر حقداران زمین (مسل میعادی)

محال: بھال دین والی | طرف/پتی: ندارد | تحصیل: صادق آباد | ضلع: رحیم یار خان | سال: 2019-20 | کتاب نمبر: 4 / 29 | 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 کاشتکار	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 خسرہ معہ نام اگر کوئی ہو	رقبہ و قسم زمین کیفیت وار اور میزان کھتونی کاشتکار، کھیوٹ مالک	وسائل آبپاشی معہ نام چاہ راجباہ وغیرہ	مطالبہ معہ تفصیلات بابت دعویٰ	کیفیت معہ 1۔ نام نمبردار (اگر کوئی ہو) 2۔ شرح پانے زمین
313 مذکور													
							میزان کھیوٹ	قطعات	608-0-0	قسم زمین			

فرد برائے ذاتی ریکارڈ

بحوالہ انتقال نمبر 2777 ایروی بگڑ رہن منفصلہ مورخہ 21/08/2021 کماۃ بذار قبہ تعدادی 69/76/608-0-0 بقدر 552-0-0 بحق ایم سی پی بینک لمیٹڈ منجانب بے ذی ڈیپوشو گر ملز تعلقہ رین والی بلوص مبلغ 18106363668 ایروی بگڑ رہن ہو چکا ہے بحوالہ فرد بدر نمبر 31 مورخہ فیصہ 23/12/2013

0-00-00-034-00-00-00-0019569816 فرد آئی ڈی

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہیں ہے۔

اصغر ندیم ولد سردار محمد

DMM-ACT سال سنہ

12/06/2023 15:42:44

12/06/2023 15:31:27

نام اجراء کنندہ



ارحم شوکت ولد شوکت علی

3130492579546

نقل مطابق اصل ہے

گرداور حلقہ ذاتی ریکارڈ

نام پورخواست کنندہ

قوم آرائیں

ID حق کھاتہ نمبر

Scanned with CamScanner

۱	۲	۳ (الف)	۳ (ب)	۳ (ج)	۳ (د)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ مالک	نمبر کھتونی کاشتکار	نام مالک مع نام والد/خاوند قوم اور سکونت	کنوعیت حقوق مالک بااعتبار مرتبہ	مقدار کھاتہ میں مخصوص حصہ	مقدار کھاتہ میں مشترکہ حصہ	ملکیت کی نوعیت	رقبہ زیر کاشت	رقبہ غیر قابل کاشت	واجبات مع تفصیل	مطالبہ مع تفصیل	کیفیت مع ۱۔ نام افسر (اگر کوئی ہو) ۲۔ دستخط یا مہر	
313 مذکور												
						میزان کھیوٹ	قلعات	608-0-0	قسم زمین			

ثبوت برائے ذاتی ریکارڈ

0-00-00-034-00-00-00-00019569816 زرآئی ڈی

لیپ ٹاپ/پی سی کی ضرورت ہے۔

اسٹرنگ ایم ڈی سروے محمد

DMM-ساخت آپریٹر/سٹنٹ ۱۸ تحصیل

12/06/2023 15:42:44

700

ہم اجرا کنندہ

عدالت/بنک

فارم جوکٹ ولد جوکٹ علی

3130492878548

نام درخواست کنندہ

قومیت

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نمبر کھیوٹ	نمبر کھتونی	نام مالک مع ولدیت، قوم، سکونت	کیفیت حقوق مالک	مشترکہ کھاتہ میں حصہ	حصہ مطابق حصہ	نمبر پاس بک	نام کاشتکار مع احوال	نمبر خسرہ مع نام اگر کوئی ہو	رقبہ و قسم زمین کھیوٹ وار مع میزان کھتونی کاشتکار	وسائل آبپاشی	لگان جو کاشتکار ادا کرتا ہے	مطالبہ مع تفصیلات	کیفیت
313													بحوالہ انتقال نمبر 2629 ایزاوی آڑر بن منفصلہ مورخہ 28/06/2019 کھاتہ بذا رقبہ تعدادی 69/76 608-0-0 بقدر 552-0-0 بحق بنام سی بی بنک لمیٹڈ منجانب سے ڈی ڈبلیو شوگر ملز بستہ الدین والی بلعوض مبلغ 17048617315 ایزاوی آڑر بن ہو چکا ہے

فرد آئی ڈی 0-00-00-034-00-00-00-0019569816

کمپیوٹرائزڈ نقل پر دستخط کی ضرورت نہ ہے۔

اراضی ریکارڈ سنٹر صادق آباد-DMM

فرد فیس 700

ٹوکن نمبر 1029

تاریخ ٹوکن اجراء 12/06/2023 15:20:26

دستخط کنندہ محمد ولد سردار محمد

تاریخ فرد پرنٹنگ 12/06/2023 15.42:44

تاریخ فرد اجراء 12/06/2023 15:21:27

نام اجراء کنندہ



نقل مطابق اصل ہے

نام درخواست کنندہ ارحم شوکت ولد شوکت علی

فرد برائے ذاتی ریکارڈ

قوم آرائیں

شناختی کارڈ نمبر 3130492579546

Scanned with CamScanner

فرد کی تصدیق کے لیے اپنے موبائل فون سے (QR) کوڈ سکین کریں۔

نقل رجسٹر حقداران زمین (مسل میعادی)

محال تحال دین والی　　طرف/پتی عمرو　　تحصیل صادق آباد　　ضلع رحیم یار خان　　سال 2019-20 کتاب نمبر　　ورق نمبر 29 / 2

۱	۲	۳ (الف)	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴	۵	۶	۷	۸	۹	۱۰
نمبر کھیوٹ مالک	نمبر کھتونی کاشتکار	کوائف مالک: نام مالک معہ نام والد/خاوند قوم اور سکونت	نوعیت حقوق مالک راہن سرتھن	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص رقبہ مطابق حصہ	زرعی ہاں یک نمبر	نام کاشتکار معہ احوال	نمبر خسرہ معہ نام اگر کوئی ہو	رقبہ و قسم زمین کھیت وار اور میزان کھتونی کاشتکار و کھیوٹ مالک	وسائل آبپاشی معہ نمبر چاہ راجبہ وغیرہ	کیفیت معہ تفصیلات زیب و جیوب	کیفیت معہ 1۔ نمبر نمبردار (اگر کوئی ہو) 2۔ شرح فی ایکڑ زمین
313 مذکور													بحوالہ انتقال نمبر 2553 ایزادی گرہن منفصلہ مورخہ 08/06/2018 بذریعہ قبضہ دی 69/764608-0-0 بقدر 552-0-0 کنال ایم سی پی تک لسٹڈ منجانب ڈی ڈیویژن گرفتہ تعدین والی شریف بلحوض منتج 18104666984 ایزادی گرہن ہو چکا ہے

فرد برائے ذاتی ریکارڈ

نقل مطابق اصل ہے　　نام درخواست کنندہ ارحم شوکت ولد شوکت علی

فرد برائے ذاتی ریکارڈ　　قوم گواہین　　3130492579546

شناختی کارڈ نمبر

نام اجراء کنندہ　　اسٹریٹ کیلئے سرٹیفکیٹ　　لیٹر ڈائریکٹ نقل دستخطی ضرورت ہے　　فرد آئی ڈی 0-000-00-034-00-00-00-0019566981G

ہمراہ ٹریکٹر ٹرالی جنگ　　12/06/2023 15:42:44　　راجحی ریکارڈ آفیسر ساہوکار DMM

ہمراہ ٹریکٹر ٹرالی نمبر　　12/06/2023 15:21:27　　TSO　　زون نمبر

Scanned with CamScanner

۱	۲	۳	۴ (الف)	۴ (ب)	۴ (ج)	۴ (د)	۵	۶	۷	۸	۹	۱۰
نمبر	ذیلی نمبر	نام کاشتکار معہ احوال	نام مالک معہ ولدیت/شوہر/والدہ، قوم، سکونت	نوعیت حقوق مالک رہن مرتہن	مشترکہ کھاتہ میں مخصوص حصہ	مخصوص مرتبہ مطابق حصہ	نمبر خسرہ و معہ نام اگر کوئی ہو	مرتبہ و قسم زمین کھیت دار اور میزان کھتونی کاشتکار و کھیت مالک	وسائل آبپاشی معہ نام چاہ/راجباہ وغیرہ	مکان جو کاشتکار اور اگر کتابچہ شرح مور مطالبہ	مطالب معہ تفصیلات مالیہ وجوب	کیفیت معہ 1 - نام نمبردار (اگر کوئی ہو) 2 - شرح مالیہ فی من
313	597		جے ڈی ڈبلیو خوگر مظہرالدین والی	مالک	3307520/3307520	608-0-0	قسمات 85	سالم کھاتہ 608-0-0 چھ سو آٹھ کنال				بحوالہ انتقال نمبر 2196 عک آزر بحق منصفہ مورخہ 03/04/2013 کھاتہ بذار قبہ تعدادی 608-0-0 69/766 بقدر 552-0-0 منجانب یونین بنک بحق جے ڈی ڈبلیو شوگر مظہرالدین والی ولد، بلعوض مبلغ 0 عک آزر بحق ہو چکا ہے
312		باقی بدستور	(ب) قومی شناختی کارڈ نمبر		حصہ مشترکہ 69/76	رقبہ مشتقہ 552-0-0						
			میزان		69/76	552-0-0						

DEHI MARKAZ MALL
Circle Said Pur

نقل مطابق اصل ہے
فرد برائے ذاتی ریکارڈ

ارحم شوکت ولد شوکت علی
31304925795-46

ہمراہ درخواست کنندہ
قوم آرائیں
شناختی کارڈ نمبر

نام اجراء کنندہ: اصغر ندیم ولد سردار محمد
تاریخ فرد پرنٹنگ: 12/06/2023 15:42:44
تاریخ فرد اجراء: 12/06/2023 15:21:27

کمپیوٹرائزڈ نقل۔ دستخط کی ضرورت نہیں
اراضی ریکارڈ سنٹر: صادق آباد-DMM
فرد فیس: 700
ٹوکن نمبر: 1029

فرد آئی ڈی: 0-00-00-034-00-00-00-0019569816

12/06/2023 15:20:26 تاریخ ٹوکن اجراء

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ضلع رحیم یار خان — تحصیل — سال — کتاب نمبر — ورق نمبر

۳ (الف) نام مالک معہ نام والد / خاوند قوم اور سکونت	۳ (ج)	۳ (د)	۳ (ہ)	۳ (و)	۴ نام کاشتکار معہ احوال	۵ نمبر خسرہ معہ نام (اگر کوئی ہو)	۶ رقبہ و قسم زمین کھیت وار اور میزان کھتونی برکاشت کار و کھیوٹ مالک	۷ وسائل آبپاشی معہ نام چاہ راجباہ وغیرہ	۸ لگان جو کاشتکار ادا کرتا ہے شرح اور مطالبہ	۹ مطالبہ معہ تفصیلات مالیہ و جوب	۱۰ کیفیت معہ ۱۔ نام نمبردار (اگر کوئی ہو) ۲۔ شرح مالیہ زمین
جے ڈی ڈبلیو شوگر ملز لمیٹڈ [illegible] گلبرگ لاہور [illegible]	مالک	ملکیتاً	248 [illegible]		مقبوضہ جے ڈی ڈبلیو شوگر ملز	میزان کھسرہ 39	248		(نوٹ) آمدہ [illegible] از JDW [illegible]		شوگر ملز [illegible] 10/2020 23 بنام [illegible] 11/2020 6 [illegible] 11/2020 [illegible]
۳ (ب) قومی شناختی کارڈ نمبر											
[illegible] بینک لمیٹڈ [illegible] (اور [illegible] بینک لمیٹڈ) [illegible]						soneri Bank 536,666,667/-		PBICL 600 000000/			PaicL 333,333,334/-
۳ (ب) قومی شناختی کارڈ نمبر						DIBPL 208,333,336/	security Agent 526 021 772/				Pak Libyic 20,000,000/
[illegible]						SCB 333,333,334/	NBP (islamic) 333,333,334/				HBL 1,000,000,000/
۳ (ب) قومی شناختی کارڈ نمبر											
[illegible] بذریعہ [illegible]	248			security Agent 9800,000,000/	[illegible] اضافی قرضہ	MCB 2,666,666,667/	ABL 1,333,333,334/	BAFL 415,341,892/		[illegible]	18,06,363,668 [illegible]
۳ (ب) قومی شناختی کارڈ نمبر											
					[illegible] JDW [illegible]			14/6/2023 [illegible] پٹواری [illegible] 14/6/2023			
۳ (ب) قومی شناختی کارڈ نمبر											

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ANNEX-III

Certificate of Incorporation

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بسم الله الرحمن الرحيم

GOVERNMENT OF PAKISTAN

(1)

Certificate of Incorporation

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

Company Registration No. L 02480

Lahore

I hereby certify that "JDW 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 31st day of May, 1990

one thousand nine hundred and Ninety.

Rs.4350/- (RUPEES FOUR THOUSAND THREE HUNDRED & FIFTY)

Seal

(ABIDUR REHMAN QURESHI)
JOINT REGISTRAR OF COMPANIES
LAHORE

CERTIFIED TO BE TRUE COPY

JOINT REGISTRAR OF COMPANIES
COMPANY REGISTRATION OFFICE
LAHORE

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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

No. PPS/JDW-I/S.M/2022: WHEREAS, Pakistan Sugar Mills Association ported on 28.09.2013 that certain Sugar Mills have enhanced its crushing capacities in lation of Notification No. AEA-III-3-5/2003 dated 06.12.2006. The then Director of Industries njab constituted six teams vide letter dated 07.04.2014 to carry out inspections of Sugar Mills rder to determine their sanctioned capacities, existing capacity and actual installed capacity.

AND WHEREAS, the Joint Inspection Team reported that M/s. JDW Sugar Mills imited) Unit-I District Rahimyar Khan has enhanced its crushing capacity from 4000 TCD to 000 TCD during ban period without seeking permission from the Competent Authority in ntravention of section 3 of Punjab Industries (Control on Establishment and Enlargement) dinance 1963.

AND WHEREAS, on the basis of inspection report a Show Cause notice dated .06.2014 was served upon the said Sugar Mills by the then Director General IPWM Punjab ting therein that the said Sugar Mills has enhanced its crushing capacity from 4000 TCD to 000 TCD during ban period without seeking prior permission of the Competent Authority and ther directed to submit reply regarding violation within ten days along with documentary idence to vindicate their position, otherwise the matter may be decided on the basis of ailable record of this office. Several hearings were conducted in order to arrive any just nclusion but the matter remained pending due to non-production of supporting documents well as non-availability of the counsel of the said Sugar Mills for a long span of time.

AND WHEREAS, the matter of enhancement of crushing capacity of the said gar Mills was again taken up and a hearing notice dated 23.04.2020 was served by the then ctor General IPWM Punjab with the direction to provide the incontrovertible documentary idence alongwith year-wise exact period during which the alleged enhancement in the shing capacity took place on the prescribed proforma.

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AND NOW THEREFORE, keeping in view the facts discussed above and in the report of Technical Sub-Committee, the decision of the Committee and after perusing all documents, the crushing capacity to the maximum upper limit of 35000 TCD of M/s. JDW Sugar Mills Limited Unit-I, Rahimyar Khan is regularized within the same premises subject to payment of Rs. 350.00 million as requital amount.

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

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 Rahimyar Khan.
9. District Officer (IPWM) Rahimyar Khan.
10. M/s. JDW Sugar Mills Limited Unit-I, District Rahimyar Khan.

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ANNEX-V

Drawings And Specification Of Dust Collectors

Scanned with CamScanner

COPY

DUST ARRESTOR

Type and Quantity	Multi cyclone type
	1 Set
Capacity	5100 m³/min
Specifications	
Capacity	71 mm/s
Gas temperature	225 °C
Dust loss	
Collector efficiency	90%

Parts Furnished

1 Set Multi cyclone

1 sets Air seal damper with motor rotary type

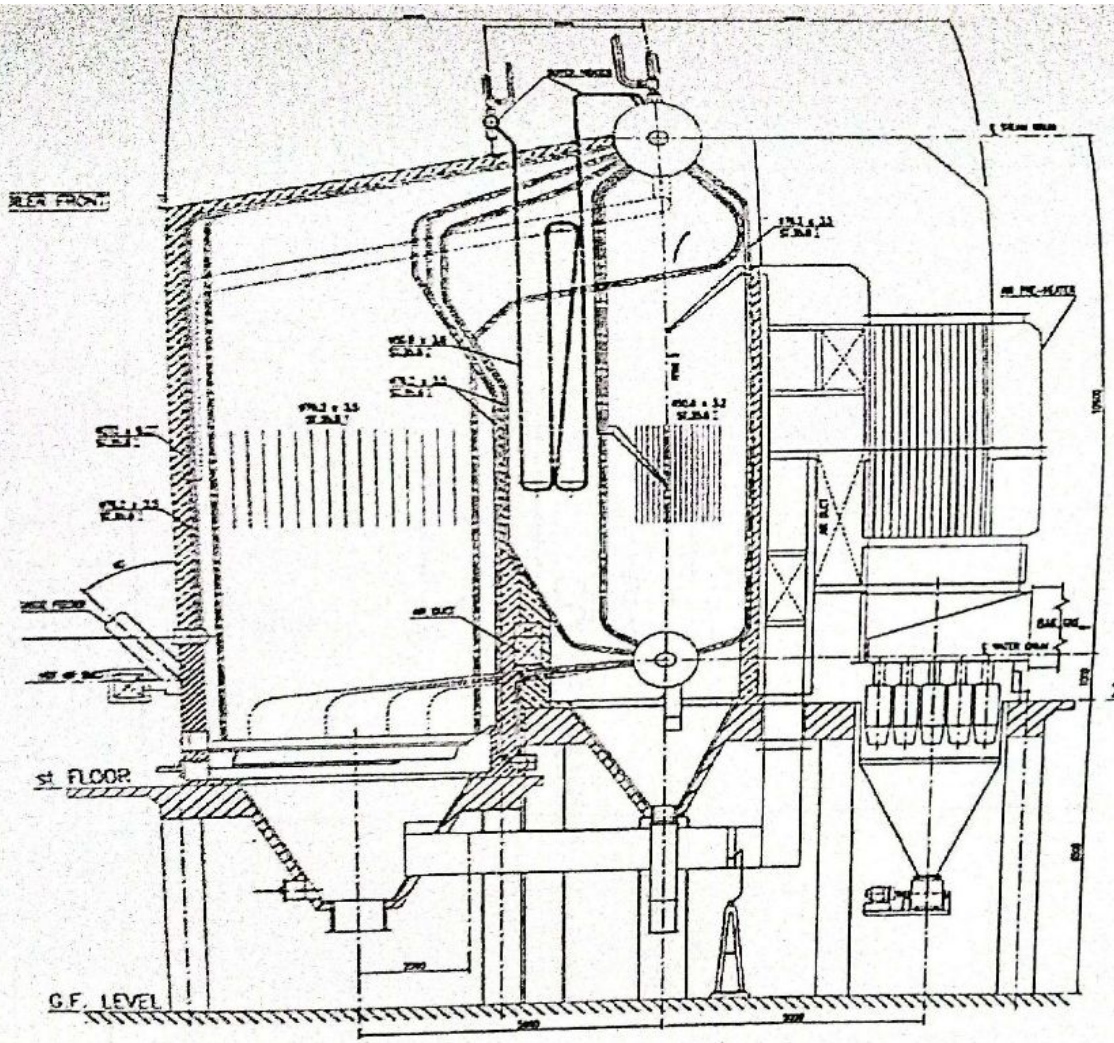
Ash removal system will be manual

FEED WATER PUMP

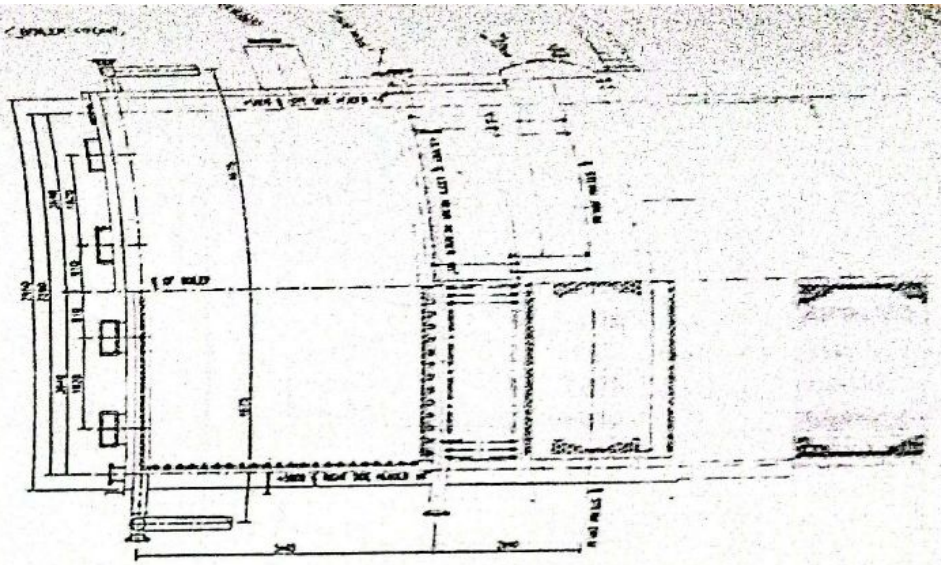
Motor Driven Feed Water Pump

Type and Quantity	
Type	Electric motor driven centrifugal pump
Quantity	1 set
Specifications	
Maximum capacity	80,000 Kg/hr
Total Head	320 m.W.G
Feed Water temperature	105 °C
Electric Motor	
Type	Squirrel cage
Power	150 KW
Speed	2950 RPM

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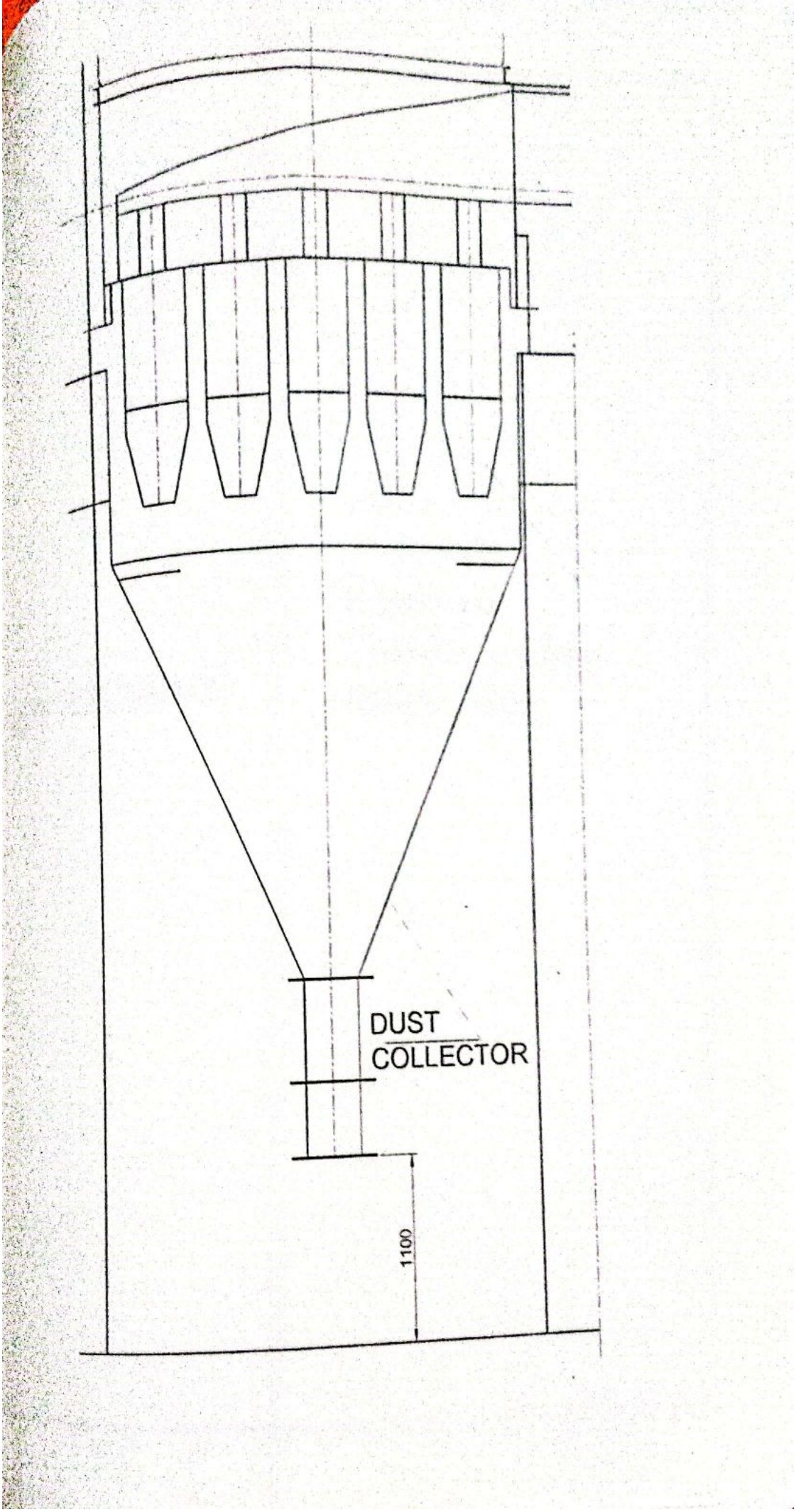


VERTICAL SECTION



PLAN VIEW

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ANNEX-VI

Copy of Contract for Mud Sale

Scanned with CamScanner

E-STAMP

PB-RYK-9AF9382313938EE0
Low Denomination
Rs 100/-

Scan for online verification

=565=
30/01/2023

AFFIDAVIT - A
Fazal Muhammad [16101-4574560-9]
Muhammad Shah Haroon
Muhammad Shahid [31303-8266312-1]
Tehsil Warl Dist upar Der. Hal Muqeem Iqbal Abad Rahim yar Khan
30-Jan-2023 3:50:36 PM
6-Feb-2023
One Hundred Rupees Only
Affidavit
Waqar Azeem | PB-RYK-514 | Katchary Road

Waqar Azeem Somro
STAMP VANDER
District Court Rahim Yar Khan

نوٹ یہ لائسنس تاریخ اجراء سے سات دنوں تک قابل استعمال ہے بعد ازاں مسترد تصور ہوگا

Type "eStamp <18 digit eStamp Number>" send to 8100

معاہدہ برائے گیلی مڈ برائے سیزن 2022-23

یہ معاہدہ (فریق اول) سمی فضل محمد ولد محمد شاہ ہارون۔ شناختی کارڈ نمبر 16101-4574560-9 ڈاکخانہ واڑی تحصیل واڑی ضلع رحیم یار خان شوگر ملز لمیٹڈ یونٹ 1 رحیم یار خان کے مابین سابقہ معاہدہ جو کہ مورخہ 22-11-24 کو 2200 روپے فی میٹرک ٹن کے حساب سے طے پایا جو کہ بعد میں مورخہ 22-12-18 کو میٹرک ٹن کے حساب سے باہمی رضامندی اور درج ذیل شرائط پر طے پایا ہے۔

ریٹ:۔

1۔ فریق اول (ٹھیکیدار) نے ویٹ / پریسڈ مڈ مورخہ 22-11-25 سے 22-12-17 تک مبلغ -/2200 روپے فی میٹرک ٹن کے حساب سے مبلغ -/1650 روپے فی میٹرک ٹن وزن کے حساب سے فریق دوئم (ملز انتظامیہ) سے خرید کی ہے۔

2۔ فریق اول (ٹھیکیدار) ویٹ مڈ کے عوض مبلغ -/Rs.10000000 (ایک کروڑ روپے صرف) بطور ایڈوانس جمع کروائے گا۔ جو کہ ٹھیکہ کی تمام رقم وصول درآمد ہونے کے بعد ملز انتظامیہ کے اعلیٰ حکام کی منظوری پر واپس کر دیئے جائیں گے۔

3. مڈ کی رقم جمع کروانے کا طریقہ کار:۔

- فریق اول (ٹھیکیدار) گیلی مڈ اصل وزن پر فروخت کرے گا۔
- فریق اول (ٹھیکیدار) دوران سیزن جو گیلی مڈ فروخت کریگا اس کی مد میں خرید شدہ ویٹ مورخہ 18 دسمبر 2022 سے مبلغ -/1650 روپے فی میٹرک ٹن کے حساب سے -/2200 روپے فی میٹرک ٹن کے حساب سے 1000 میٹرک ٹن گیلی مڈ کی رقم دوران سیزن اور 500 میٹرک ٹن گیلی مڈ کی رقم آف سیزن فریق دوئم کو بطور ایڈوانس جمع کروائے گا۔ -/2050 روپے سے زیادہ ریٹ پر مڈ فروخت کرے گا تو 50% پیمنٹ ملز کو جمع کروائے گا۔ فریق اول (ٹھیکیدار) سیزن کے اختتام تک اسی طریقہ کار سے رقم جمع کرواتا رہے گا۔
- مڈ کی پیمنٹ فریق اول (ٹھیکیدار) کے بنک اکاؤنٹ کے ذریعے ملز کے اکاؤنٹ میں آئے گی۔
- فریق اول (ٹھیکیدار) 30 ستمبر 2023 تک مڈ کی تمام رقم جمع کروانے کا پابند ہوگا۔ چاہے مڈ فروخت ہو یا نہ ہو اس کی تمام تر ذمہ داری فریق اول (ٹھیکیدار) کی ہوگی۔
- باہر ڈمپ کی گئی سوکھی مڈ کا ریٹ -/5000 روپے ٹن کے حساب سے ہوگا۔ جو کہ 25/11/22 سے لاگو ہوگا۔

شرائط وضوابط:۔

4)۔ فریق اول (ٹھیکیدار) نے وزن کے حساب سے ملز ہذا سے پیدا شدہ ویٹ مڈ خریدی ہے۔ جس کا وزن ملز (Weighbridges) پر کیا جائے گا۔

5)۔ فریق اول (ٹھیکیدار) گیلی مڈ شفٹنگ کیلئے کم از کم 20 عدد ٹریکٹرز بمعہ ہائیڈرالک ٹرالی کا انتظام کرنے کا پابند ہوگا۔ اور ٹریکٹروں کی تمام رجسٹریشن مکمل ہونے تک

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E-STAMP

PB-RYK-8AF938231938EE0
Low Denomination
Rs 100/-

Scan for online verification

=565=
30/01/2023

AFFIDAVIT - 4
Faisl Muhammad [16101-4574560-9]
Muhammad Shah Haroon
Muhammad Shahid [31303-8266312-1]
Tehsil Warl Dist Upar Der. Hal Muqeem Iqbal Abad Rahim yar Khan
30-Jan-2023 3:50:36 PM
6-Feb-2023
One Hundred Rupees Only
Affidavit
Waqar Azeem | PB-RYK-514 | Katchary Road

Waqar Azeem Soomro
STAMP WANDER
District Rahim Yar Khan

Type "eStamp <18 digit eStamp Number>" send to 8100

6)۔ فریق دوئم (طرانتظامیہ) گیلی مٹی اسٹاک کرنے کیلئے مٹی یارڈ کی زمین مہیا کرے گا۔

7)۔ فریق اول (ٹھیکیدار) مٹی شوٹ سے گیلی مٹی کو ڈمپنگ ایریا، اور مٹی شوٹ اور اس کے ارد گرد کی صفائی کا ذمہ دار ہوگا۔

8)۔ فریق اول (ٹھیکیدار) مٹی شوٹ سے گیلی مٹی (مٹی یارڈ) شفٹ کرے گا اور خشک مٹی شفٹنگ کا کام ۳۱ اکتوبر سے پہلے مکمل کرے گا۔ اور مٹی طرانتظامیہ کی تعین کا کردہ جگہ پر ان لوڈ کرے گا۔ والی ایمپ مٹی 31 اکتوبر 2023 تک کلیئر کرے گا۔

9)۔ فریق اول (ٹھیکیدار) کی کوتاہی کی صورت میں اگر طرانتظامیہ نے اپنی لیبر اور ٹریکٹر ٹرالی پر وغیرہ استعمال کئے تو اس کے اخراجات بذمہ فریق اول (ٹھیکیدار) ہونگے۔ ان اخراجات کی ایک ہزار روپے فی گھنٹہ کے حساب سے ٹھیکیدار سے چارج کیا جائے گا۔

10)۔ مٹی یارڈ میں والی گئی مٹی کی نگرانی اور رکھوالی بارش میں ضائع ہونا اور خدانخواستہ آگ لگنا تمام تر ذمہ داری فریق اول (ٹھیکیدار) پر ہوگی۔

11)۔ دوران شفٹنگ سڑک اور راستہ میں گری ہوئی مٹی جو کہ پھسلن کا باعث بنتی ہے راستہ کی صفائی کرے اور اگر گری ہوئی مٹی کی وجہ سے کوئی پھسلن کے باعث حادثہ پیش آیا تو اس کی تمام تر ذمہ داری فریق اول (ٹھیکیدار) پر ہوگی۔

12)۔ کسی بھی قسم کے حادثہ کی صورت میں فریق اول (ٹھیکیدار) اپنی لیبر کے علاج معالجے کا خود ذمہ دار ہوگا۔

13)۔ فریق دوئم کسی بھی وجوہات کی بناء پر بغیر نوٹس دیئے موجودہ ایگریمنٹ کینسل کرنے کا مجاز ہوگا۔

14)۔ دوران میزان ٹھیکیدار خود یا اس کا نمائندہ منشی وغیرہ طرہذا میں موجود رہے گا۔

15)۔ فریق (اول) ٹھیکیدار تمام ٹریکٹر ٹرالیمپر چلانے والے ڈرائیوروں کا ڈرائیونگ لائسنس ہونے کا پابند ہوگا۔

16)۔ کسی قسم کے تنازعہ کی صورت میں فریق دوئم کا فیصلہ حتمی ہوگا۔

17)۔ فریق اول (ٹھیکیدار) اپنی لیبر کا ریکارڈ رکھنے کا پابند ہوگا۔

18)۔ فریق اول (ٹھیکیدار) طرہذا کے تمام قوانین وضوابط کی سختی سے پابندی کرے گا۔

19)۔ ایسے افراد جن کا طرہذا گیٹ کے اندر داخلہ بند ہے ان کو اپنے پاس ملازم نہیں رکھے گا۔

20)۔ فریق اول (ٹھیکیدار) اور اس کی لیبر کی رہائش کا انتظام فریق دوئم (طرانتظامیہ) کرے گا۔

21)۔ فریق اول (ٹھیکیدار) طرہذا چلنے سے دو دن قبل لیبرز، ٹریکٹرز ٹرالیمپر وغیرہ ٹیکٹر طرہذا میں پہنچنے کا پابند ہوگا۔

فریق دوئم (طرانتظامیہ)

فریق اول (ٹھیکیدار) :۔

میں اس معاہدہ میں دی گئی تمام تر شرائط وضوابط قبول کرتا ہوں۔

مسمی فضل محمد ولد محمد شاہ ہارون

شناختی کارڈ نمبر 16101-4574560-9

گواہ: نور حسن

شناختی کارڈ نمبر 161022441677-1

محمد صفدر کانجو، جنرل منیجر (ایڈمن)

شناختی کارڈ نمبر 3-7646150-[illegible]

گواہ: محمد راشد مجید

شناختی کارڈ نمبر 7-[illegible]

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ANNEX-VII

Copy of Contract for Molasses Sale

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JDW Sugar Mills Ltd.

MASTER AGREEMENT

MASTER AGREEMENT is made at this 14th day of June, 2022 by and between the following parties:

JDW Sugar Mills Limited, a public limited company duly constituted and existing under the laws of Pakistan, having its registered office at 17-Abid Majeed Road, Lahore Cant., acting through its Group Director (Finance) Mr. Muhammad Rafique, (hereinafter referred to as "JDWSML" which expression shall mean and include its administrators, permitted assignees, legal representatives and successors) of the **First Part.**

AND

Al-Abbas Sugar Mills Limited, a public listed company duly constituted and existing under the laws of Pakistan, having its registered office at 2nd Floor, Pardesi House, Survey No. 2/1, Old Queen Road, Karachi acting through its Chief Executive, Mr. Asim Ghani Usman, (hereinafter referred to as "**ASML**" which expression shall mean and include its administrators, permitted assignees, legal representatives and successors) of the **Second Part.**

(JDWSML and ASML shall hereinafter be collectively referred to as the "Parties").

WHEREAS

A. JDWSML is engaged in the business of, inter alia, manufacturing white refined sugar and other by-products, such as molasses, at its mills at Jamal Din Wali, Sadiqabad district Rahim yar Khan and Ghotki (the "**Mills**").

B. ASML is engaged in the business of, inter alia, manufacturing ethanol at its distillery at Mirwah Gorchani, Distt. Mirpurkhas, Sindh.

C. ASML wishes to buy, and JDWSML wishes to sell, molasses subject to and in accordance with the provisions of this Master Agreement.

NOW BOTH THE PARTIES AGREE UPON AND UNDERTAKE AS FOLLOWS: -

1. Subject to the terms and conditions of this Master Agreement and in particular compliance by ASML with the requirements of Clause 2 below, JDWSML hereby agrees to give a first right of refusal to ASML for purchase of up to 37,500 tons of molasses (the "**Molasses**") produced at its Mills during the sugarcane crushing season 2022-23 (the "**Season**").

2. ASML shall deposit with JDWSML an aggregate sum of Rs. 500,000,000/- (Rupees Five Hundred Million only) (the "**Advance Payment**") as an advance payment on or before 15th **September, 2022.**

JDW SUGAR MILLS LTD. Lahore

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dvance Payment shall be adjusted against payment for the Molasses purchased SML from JDWSML in terms of this Master Agreement from time to time. This Agreement shall become effective only to the extent the aforementioned dvance Payment is received by JDWSML.

SML shall not sell any Molasses to a third party unless it has first offered (each an er") such Molasses to ASML in writing (which may include through email or r WhatsApp); and ASML has failed to accept in writing (which may include through ail or WhatsApp) the Offer from JDWSML within the mutually agreed time period. ffer (each a "**Sale Price**") at which any Molasses will be offered to ASML will be prevailing market price at which JDWSML has received an offer to purchase asses from a third party (the "**Market Price**") (which Market Price shall be duly municated to ASML in the Offer) less a discount calculated in accordance with se 5 below (the "**Discount**"). For the avoidance of doubt, it is clarified that the right st refusal in terms of this Master Agreement is only limited up to the sales of 37,500 s of molasses produced by JDWSML during the Season.

SML accepts any Offer in accordance with Clause 3 above, the Parties shall forthwith er into a legally binding sale and purchase agreement in form and substance ptable to both Parties (the "**Sale Agreement**"). If ASML declines an Offer, JDWSML ll if so, requested by ASML, refund to ASML a portion of the Advance Payment uivalent to the Market Price mentioned in the Offer along with mark-up at the rate of K plus 87 bps per annum to be calculated on such refunded amount from the date of vance Payment till date of refund. The aforementioned amount shall be refunded on a mutually agreed time. (3 Months KIBOR Ask Rate to be re-set on 1st day after ry announcement of SBP Monetary Policy.)

h Sale Price for a sale and purchase of Molasses shall be paid to/received by SML at time of the relevant Sale Agreement **by, inter alia, adjustment against the vance Payment (and/or by cash payment if the Advance is insufficient).** The Sale e shall be calculated by deducting the Discount from the Market Price. The Discount l be calculated as follows:

unt = Market Price x Mark up rate x N/365, where N is the number of days between the y Advance Payment and the date of the relevant Sale Agreement.

the avoidance of doubt, nothing in this Master Agreement is intended to be nor shall nstrued as a sale or purchase of the Molasses. All sales and purchase of the sses shall be pursuant to the Sale Agreements, if any, executed from time to time een the Parties in terms of this Agreement.

ceipt of a request by ASML any time after June 30, 2023, JDWSML shall refund to l the balance/unadjusted amount of the Advance Payment along with mark-up at te of 3MK plus 87 bps per annum to be calculated on such balance/unadjusted nt from the date of Advance Payment till date of refund. The balance/unadjusted

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JDW

amount shall be the Advance Payment minus the aggregate of Sale Prices adjusted in terms of Clause 5 above and the aggregate of amounts earlier refunded to ASML in terms of Clause 4 above. On payment of a refund, the right of first refusal of ASML shall pro-rata stand reduced.

8. Each Party hereby represents and warrants to the other that:

(a) it has full corporate power and authority and is duly authorized under applicable law and its by-laws, to own its properties and to conduct its business as presently conducted and as herein contemplated, and to enter into and perform this Master Agreement and each Sale Agreement in accordance with the terms hereof and thereof respectively; and

(b) neither such entering into nor such performance of this Master Agreement or each Sale Agreement violates or will violate by-laws or any loan agreement, lease agreement, indenture or other instrument, or any federal and local law, regulation or ordinance applicable to such Party or by which it is bound.

9. Each Party's obligations (other than payment obligations) under this Master Agreement and each Sale Agreement and under any permit or invoice submitted by either Party to the other hereunder shall be excused and suspended during the existence of any event of force majeure, which shall consist of a strike, work stoppage or other labor dispute or a war, riot, fire, flood, storm or other Act of God beyond the control of such Party, or which may consist of a governmental or governmental agency order of general or geographic area-wide application that is not directed solely at such Party, but only to the extent that such event is responsible for such Party's non-performance of any such obligation. Neither Party shall be responsible or liable for any loss, damage, injury, cost or expense suffered, incurred or sustained by the other Party by reason of such nonperformance due to force-majeure.

10. Neither Party shall, without the prior written consent of the other Party, assign, transfer, subcontract this Master Agreement or take any other action that shall constitute, give rise to or result in the assignment, transfer or subcontracting of any of its duties or obligations hereunder.

11. This Agreement constitutes the entire agreement between the Parties concerning its subject matter, entirely superseding any prior agreements or understanding, oral or in writing, concerning such subject matter. It may be modified, supplemented, amended or terminated only by a written instrument signed by a duly authorized representative of each Party.

12. If any question, controversy, difference or dispute whatsoever shall arise between or among the Parties hereto, regarding this Agreement or any clause or thing herein contained or the construction thereof, or as to any matter in anyway connected therewith or arising therefrom, which cannot be amicably settled, the same shall be referred to a sole arbitrator in accordance with the Arbitration Act, 1940 for the time being in force. If the Parties cannot agree to the appointment of a sole arbitrator, then

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each Party shall appoint their respective arbitrator(s), and the arbitrators shall jointly appoint an Umpire who shall be called upon to render his decision only if the two arbitrators give different awards. The decision of the Umpire shall be final and shall not be challenged or assailed in any court except as permitted under the provisions of the Arbitration Act, 1940, as amended or replaced from time to time. The venue of arbitration will be Karachi, Pakistan. Courts at Karachi will have exclusive jurisdiction in respect thereof.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be duly executed and delivered as of the date first above mentioned

WITNESS:

1. Signature: _____
   Name: M. Sabir
   Address: C/O 17 Abid Majeed Road Lhr
   CNIC No. 35202-2695134-7

for and on behalf of
JDW Sugar Mills Limited

By: Muhammad Rafique
Title: Group Director (Finance)

2. Signature: _____
   Name: Zuhair Abbas
   Address: C/o. Al-Abbas Sugar Mills Ltd.
   CNIC No. 42101-4014966-9

for and on behalf of
Al-Abbas Sugar Mills Limited

By: Asim Ghani Usman
Title: Chief Executive

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ANNEX-VIII

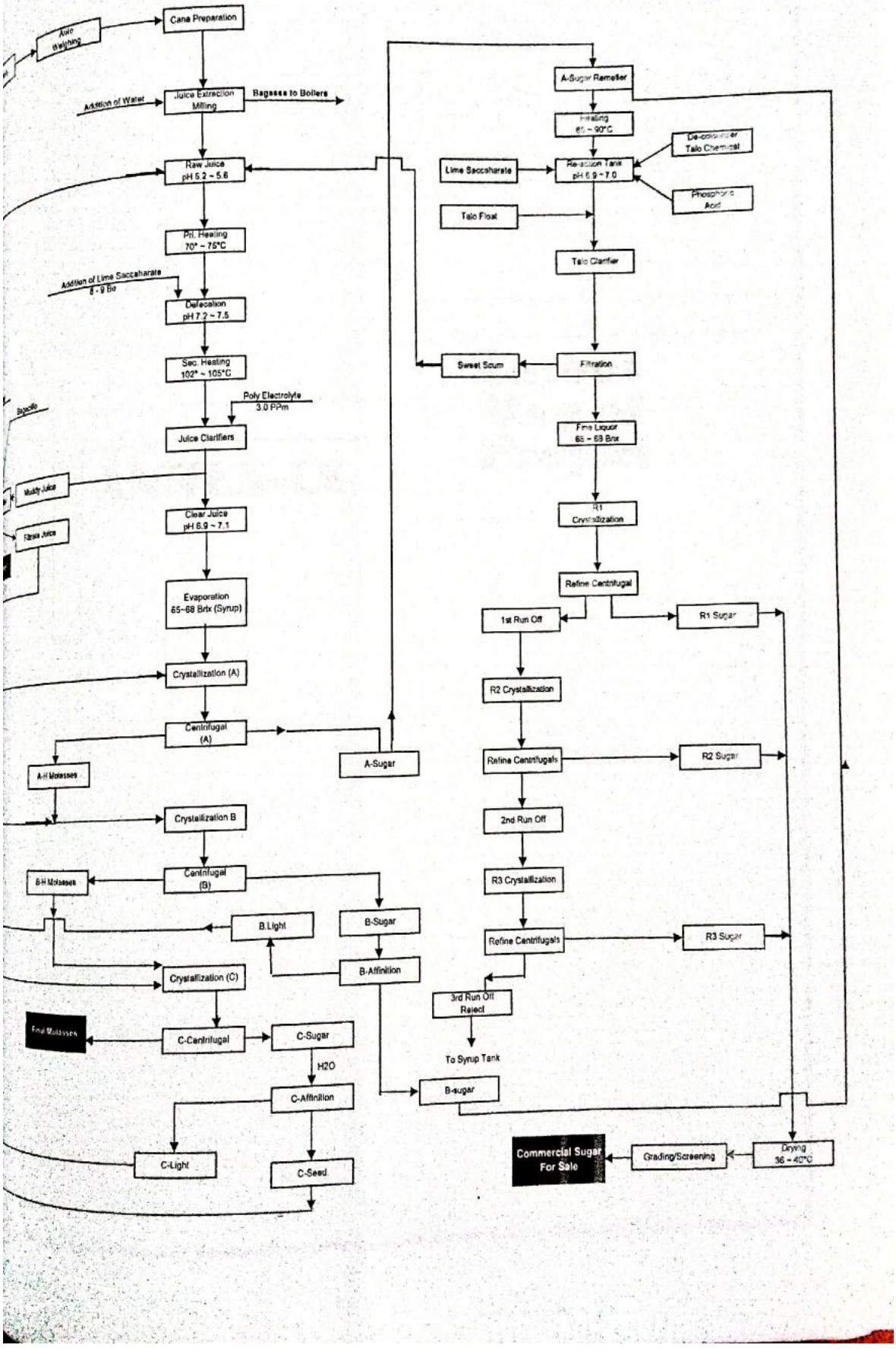
Process Flow Chart

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FLOW SHEET DIAGRAM

JDW SUGAR MILLS LTD. (UNIT-1) RAHIM YAR KHAN

DEFECATION REMELT PHOSPHITATION (TALO PROCESS)



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ANNEX-IX

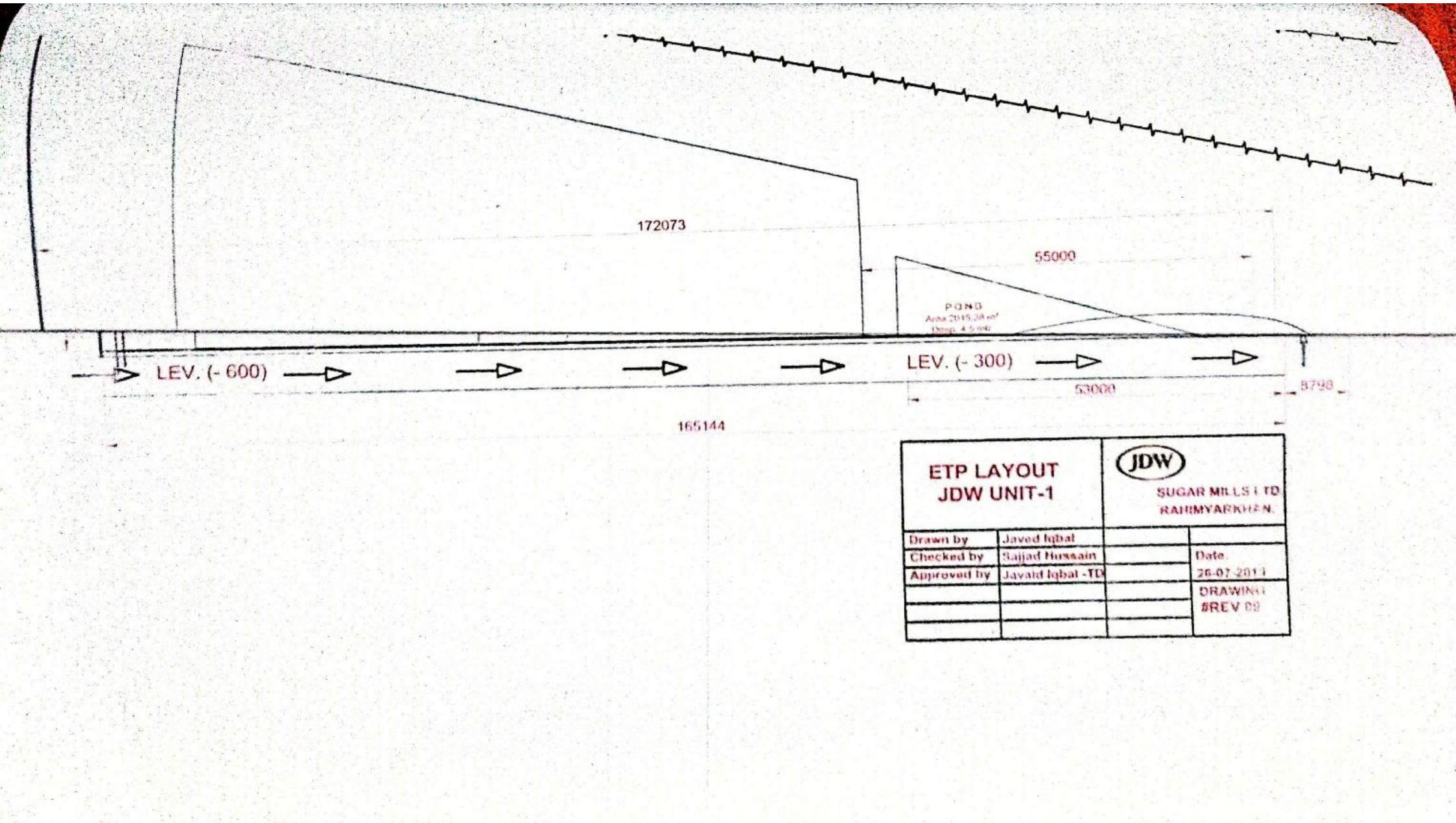
Layout Map of Project

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ANNEX-X

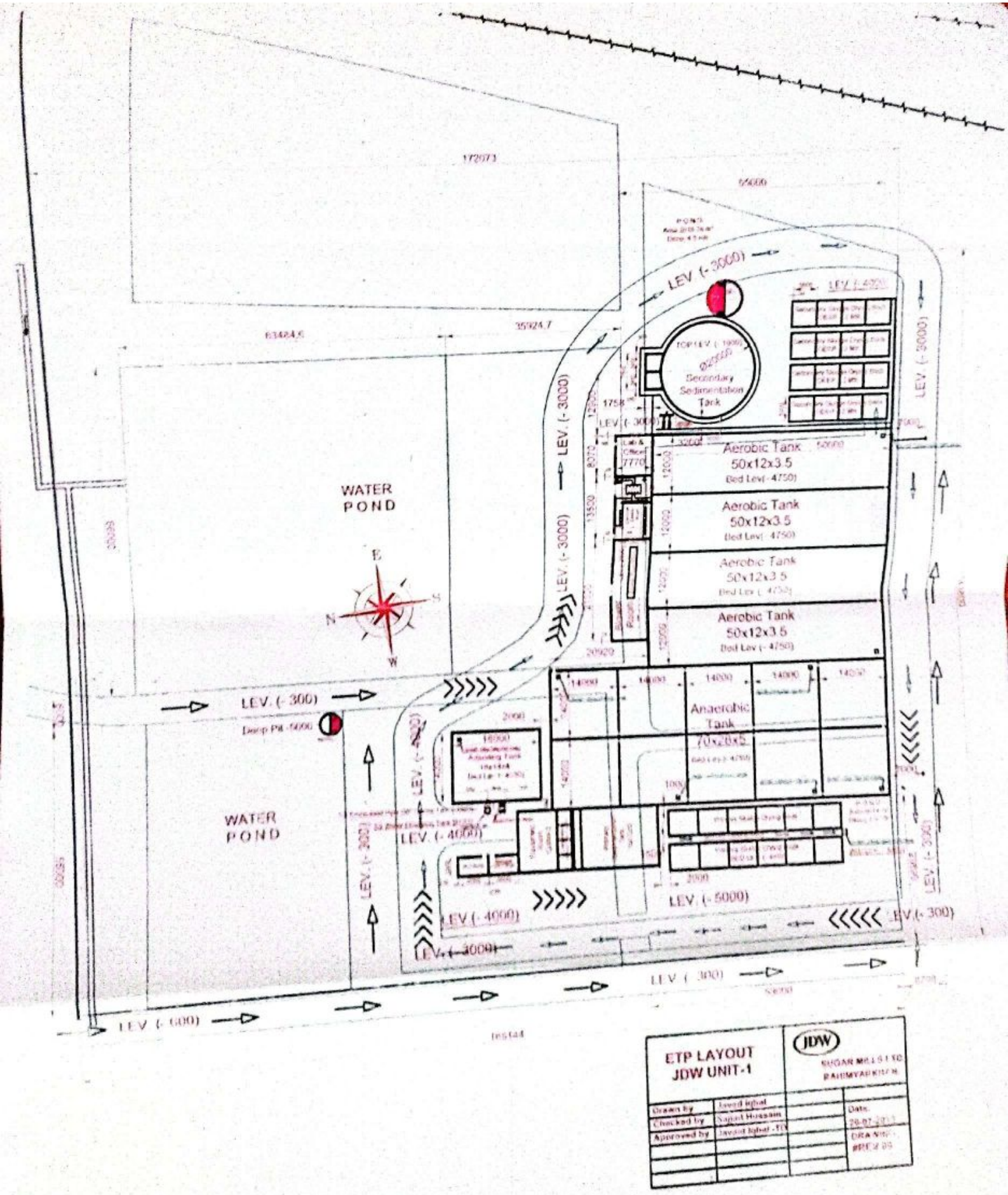
ETP Layout

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ETP LAYOUT JDW UNIT-1		JDW SUGAR MILLS LTD RAHIMYARKHAN.	
Drawn by	Javed Iqbal		
Checked by	Sajjad Hussain		Date 26-07-2013
Approved by	Javaid Iqbal -TD		DRAWING #REV 02

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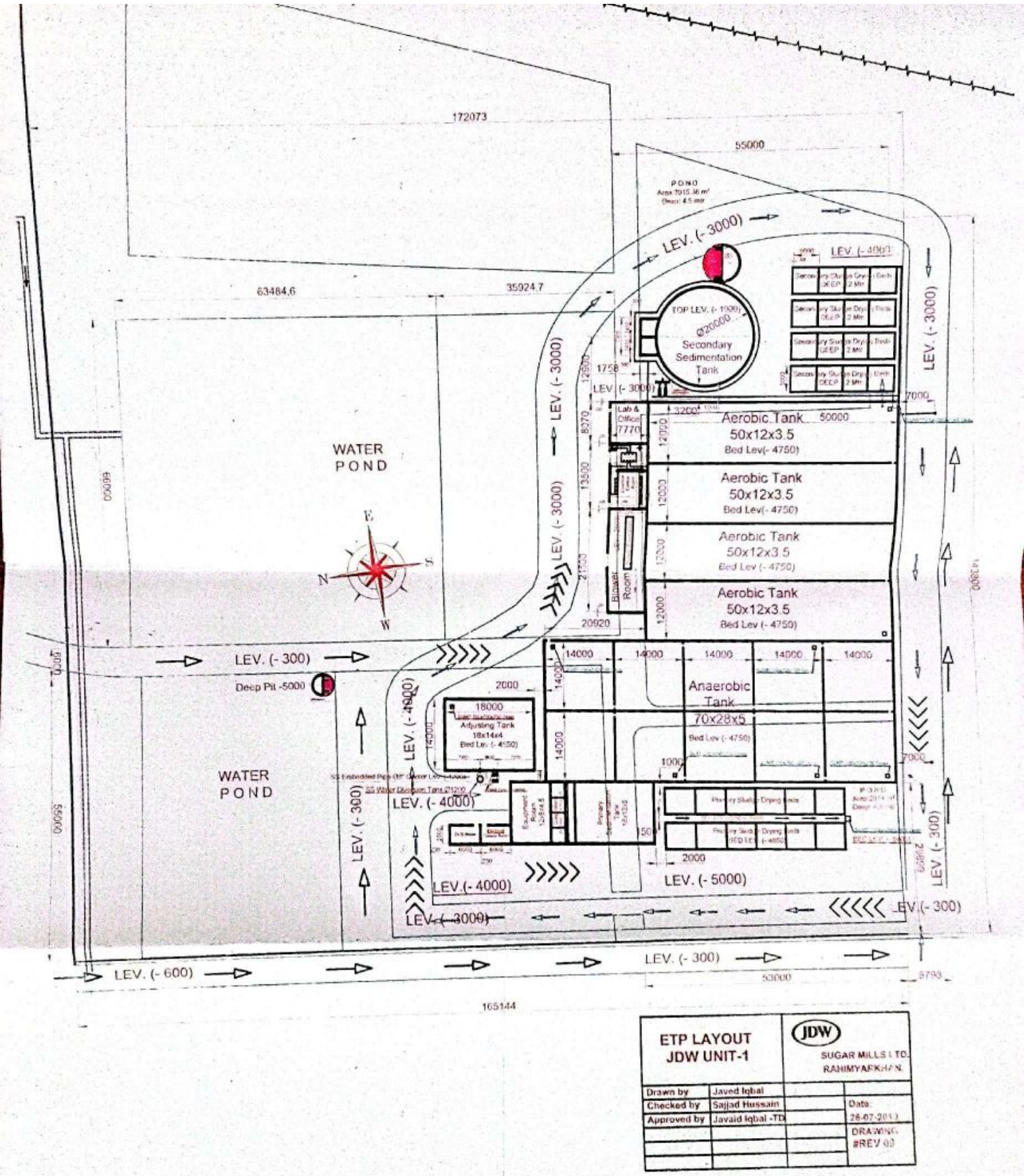


ETP LAYOUT
JDW UNIT-1

JDW

Drawn by	Javed Iqbal		Date:
Checked by	Nagat Hossain		
Approved by	Javed Iqbal - TD		DRA No:

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ETP LAYOUT JDW UNIT-1		JDW SUGAR MILLS LTD. RAHIMYARKHAN.	
Drawn by	Javed Iqbal		
Checked by	Sajjad Hussain		Date: 28-07-2013
Approved by	Javaid Iqbal -TD		DRAWING #REV 03

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GOVERNMENT OF PAKISTAN
Ministry of Science & Technology
Pakistan Council of Scientific & Industrial Research
Laboratories Complex, Lahore
FEROZEPUR ROAD, LAHORE 54600 - PAKISTAN

Sr No PCSIR-LLC 107752

Doc# LLC/QMR/FT/030	Issue Date: Jan 4th 2013	Issue # 01	Rev # 02

PNAC AR 0254

TEST REPORT

Report No. CEPS/MTB/145-R/22

Date: 21-03-2022

Name and Address of the Customer:	M/S JDW Sugar Mills Ltd, Unit-I, 17 Abid Majeed Road, Lahore Cantt.		
Request Ref # and Date:	Nil dated 28-02-2022	Sheet No.	One of one
Description of Sample:	Final Treated Wastewater (JDW Unit-I, ETP Out)	No. of sample:	One
ILO Log # and Date:	221 dated 04-03-2022	Ref/Code #	CEPS/145-R/22
Method used Specs:	Standard Methods for the Examination of Water and Wastewater, 23rd Edition, 2017	Temp. & Humidity:	21.5-22.6 °C 61.5-63.5 %
Statement of non-compliance:	Nil	Testing date:	04-03-2022 to 10-03-2022

RESULTS

Parameters	Method #	Results	Units	NEQS
Temperature	2550	25.0	°C	40 °C
pH value at 25 °C	4500- H+- B	8.09	---	6 – 10
COD	5220-B	25.0	mg/L	150 mg/L
BOD5 at 20 °C	5210-B	18.0	mg/L	80 mg/L
Oil & Grease	5520-B	6.0	mg/L	10 mg/L
Total Dissolved Solids	2540-C	1366.0	mg/L	3500 mg/L
Total Suspended Solids	2540 D	45.0	mg/L	200 mg/L

* Sampling by PCSIR on client request (JDW Unit-I)

♦---------- ♦ END ♦ ----------♦

This test/calibration certificate is based solely on the particular sample(s) supplied by the client and should not be reported in part.
Sampling has not been performed by the PCSIR Labs and PCSIR does not accept the responsibility that the item(s) supplied is/are truly representative item(s) of any batch or stock or entire production.
While the PCSIR agrees to take every reasonable precaution to ensure validity of its test results, it assumes no liability there of beyond the amount of the fee charged for the analysis/test.
The party shall assume full resonsibility for the ethical use of the results in the test/calibration certificate and the laboratory shall be held free from any and all claims, which may result from the use of such data by the client or others.
Non-compliance of the test/calibration the sample, if required, will be retained for one month until negotiated otherwise.
Any records of this certificate cannot be, in any manner, used for the publicity of the product or any advertisement.
Uncertainty of measurements can be provided on request.

Prepared by
21/03/22
Dr. Naeem Abbas
Senior Scientific Officer
PCSIR Labs Complex
LAHORE-54600

Section In Charge
21/3/22

21/3/22
Centre for Environmental Protection Studies
PCSIR Labs Complex, Lahore
Head of the Centre

Counter signature

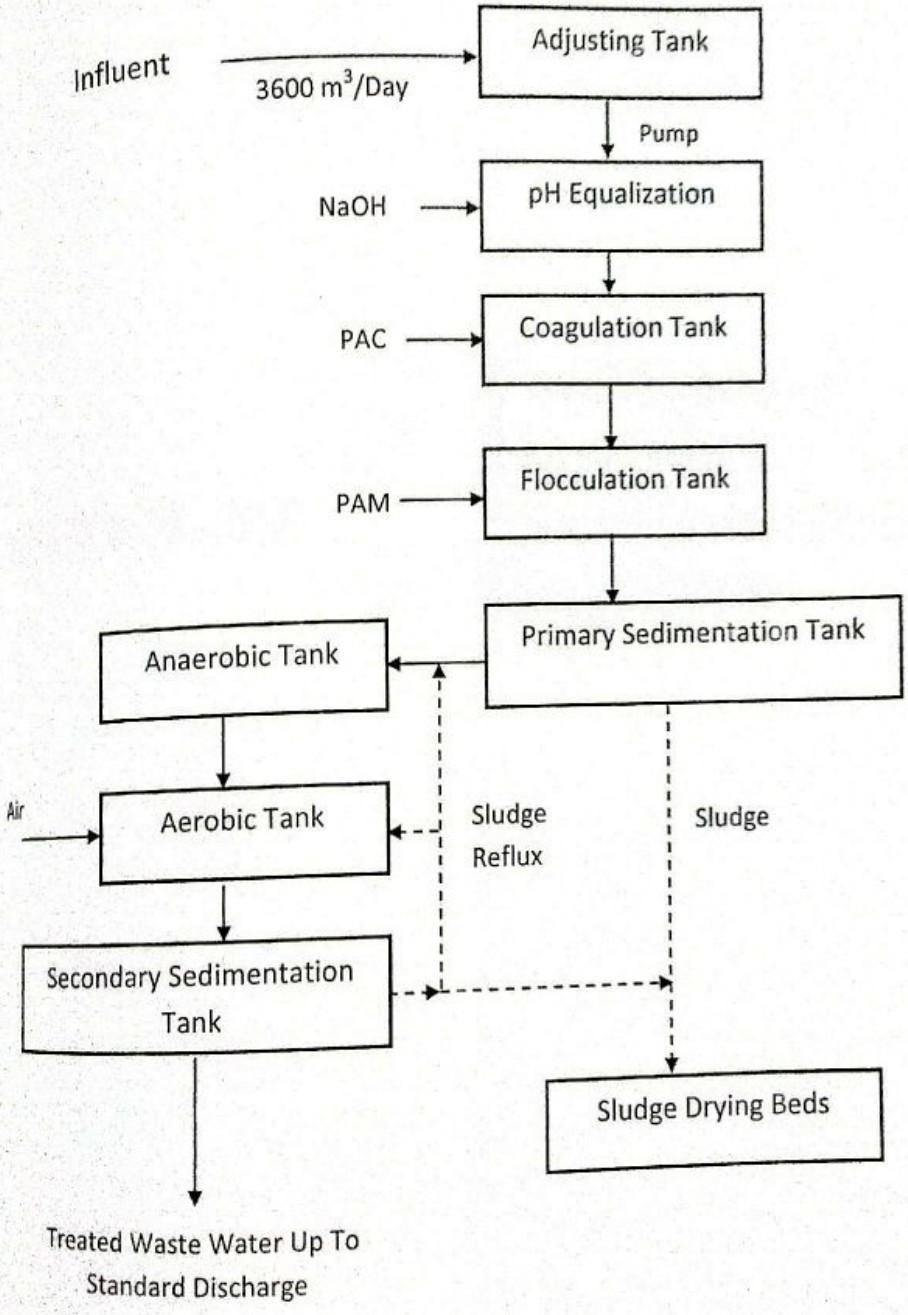
Director General
21-03-22

92 42 99231798, PABX No. +92 42 99230688 - 95 Fax: + 92 42 99230705
Email: dg@pcsir.lhr.gov.pk, website: www.pcsir.lhr.gov.pk

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JDW1 Sugar Mills

Process Flow Diagram of Waste Water Treatment Plant



Sajjad Hussain.
DGM (ETPs).
JDW Group.

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ANNEX-XI

Validated Baseline Lab Monitoring Reports

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

1202-A
17-06-23

Validation for Stack & Ambient Monitoring / Sampling

Emission Monitoring under CTM-34 or OTM-39			
Name &	JDW Sugar Mills Unit-01 JDW sugar Mills road Mouza Sharin, Jamaldin wali RYK	No of Stacks /Sampling Point	Baseline
Category			
Model & Make	Environment S.A	Lat: 28.530406	Lon: 70.073594
stack emission Values of CO, NOx (in mg/nM3)			
Air / Excess Oxygen (%age):-			
exposed for Ramp-Up phase to the sample gas for 5 minutes	Yes	NO	NA
flow rate and EC temperature monitored during calibration and testing	Yes	No	NA
Phase of sample gas recorded with 15 second interval	Yes	No	NA
requirements to ensure QA/QC complied for said EPA approved Method	Yes	No	NA
ulate Matter (PM) Monitoring / Sampling under USEPA Method 5 / 17			
& Make of Iso-kinetic PM Assembly			
sampling train is complete as per Method 5 & 17	Yes	No	NA
k performed prior to sampling	Yes	N	NA
ata Sheet for PM Sampling filled during PM sampling	Yes	No	NA
determining of "K" factor & DGM "Y" Factor filled during sampling	Yes	No	NA
hod key requirements during sampling were compiled to ensure QA/QC	Yes	No	NA
Particulate matter is suitable for metal Testing	Yes	No	NA
mpling as per Method 8 (Thorin Indicator Method)			
ent absorbent solution are available for SOx Sampling	Yes	No	NA
ipment is capable to maintain flow rate @ 2.0LPM or as per method 8 requirement	Yes	No	NA
ing for SOx is performed as per method	Yes	No	NA
ent Air Quality Monitoring by Automatic Monitors for CO, O3, SO2, NOx, PM2.5 & PM10			
e of continuous monitoring at a site, One Point QC Check Single analyzer & zero/span is performed every 14 days.	Yes	No	NA
E of NOx analyzer is ensured to be maintained within 96% - 104.1%	Yes	No	NA
pan check is performed prior to starting ambient monitoring	Yes	No	NA
requirements for Critical & Operational Criteria for ambient air monitoring by matic monitors were compiled during monitoring	Yes	No	NA
easuring techniques of monitors comply PEQS	Yes	No	NA
ent Air Sampling of SPM, PM10, Pb by High Volume Sampler			
e of Sampling for SPM through samplers, the flow rate of sampler complies PEQS (L/min).	Yes	No	NA
ation of Sampler performed prior to sampling	Yes	No	NA
hicular Emissions & Noise Measurement			
ing of Vehicle emissions and noise measurement have been performed as per method (Grey	Yes	No	NA

Remarks (if Any):-

Signature

Dated

15/06/2023

Signature

Farhan Ali

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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

163-B
17-06-23

Unit Name and Address	JDW Sugar Mills Unit-01 JDW Sugar Mill road Mouza RYK	Sampling Point
Water Lab	ESPAK	

Waste Water (WW) Treatment facility — Secondary / Tertiary / NA

Drinking Water (W) Treatment Facility — Chemical / RO / NA0

Total Collected Drinking water samples.....

Collected Sample .....

Label for testing parameter is assigned on sample container	Yes ✓	NO	NA
Preserved properly for each testing parameter	Yes ✓	NO	NA
Bottle is adequate for testing the target parameters	Yes ✓	NO	NA
Flow Measurement performed to ensure sample representativeness	Yes	NO ✓	NA

Type of Water	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

Parameter	Matrix W	Matrix WW	Container	Sample Size	Preservation	Yes	NO	NA
Total or Fecal	✓		Sterile Container	100 mL	Refrigerate 6 C	✓		
Total or Fecal, Chlorinated	✓		Sterile Container	100 mL	0.008% Thiosulphate & cooled 6 C	✓		
Toxicity	✓		P,G	500 mL	Cool 6 C	✓		
Total Nitrate + Nitrite , Phenolic etc. Oil & Grease, COD, NH3	✓		P,G	500ml	HNO3 to pH<2	✓		
General	✓		P,G Rinsed 1.1 HNO3	2000 mL	H2SO4 to pH < 2, Cool 6C	✓		
Metal			P,G	500 mL	HNO3 to pH < 2	✓		
Non-General			Glass	1 Liter	NaOH to pH > 12, Cool 6C	✓		
					Cool 6 C			

Parameters*

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

Signature

Research Officer
Environment Protection Agency
Punjab Lahore

Dated

15/06/23

Signature

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ENVIRONMENTAL SERVICES PAKISTAN

CHEMICAL ANALYSIS TEST REPORT (AMBIENT AIR)

ESPAK/0371P/23/AA/3525/00338 Date: 27/06/2023

Capacity Enhancement of Sugar Mill (27,000 to 35,000 tons/day) of M/s JDW Sugar Mills Ltd, Unit I

JDW Sugar Mills Road, Mauza Sharin, Jamal Din wali, RYK

Ambient Air — Monitoring Location: Mid-Point of Site (GPS: 28.530406°N 70.073594°E)

15/06/2023 — Grab / Composite: Continuous- 24 Hours

Shahzad Ali, Analyst (Field), ESPAK

16/06/2023

Parameters	Limit Values (PEQS-24Hours)	Concentration	Method / Equipment Used	Remarks
Monoxide (CO)	5 mg/m³ (8 Hours)	1.8 mg/m³	Non Dispersive Infrared Absorption (NDIR)	Within Prescribed Limits
...ide (SO_2)	120 µg/m³	21.2 µg/m³	UV Fluorescence (UVF)	Within Prescribed Limits
...(O_3)	130 µg/m³ (1 Hour)	26.2 µg/m³	Non Dispersive UV Absorption	Within Prescribed Limits
...Nitrogen as NO	40 µg/m³	9.8 µg/m³	Chemiluminescence Detection	Within Prescribed Limits
...Nitrogen as NO_2	80 µg/m³	28.3 µg/m³	Chemiluminescence Detection	Within Prescribed Limits
...ate Matter $PM_{2.5}$	35 µg/m³	30.5 µg/m³	Particulate Sensor	Within Prescribed Limits
...ate Matter PM_{10}	150 µg/m³	131 µg/m³	Particulate Sensor	Within Prescribed Limits
...ded Particulate Matter (SPM)	500 µg/m³	342 µg/m³	High Volume Sampler (HVS)	Within Prescribed Limits

...onmental Quality Standards for Ambient Air, 2016

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

...rt should be reproduced as a whole and not in parts.

...nsibility of the ethical use of this report lies with the client.

...ues represent sample conditions when monitoring/testing was carried out.

...rt data is not intended to be used legally by the client.

...alyzed By: Shahzad Ali
Analyst (Field)

...Chief Analyst with Seal: Muhammad Arfan

...e of Incharge of the Environmental Laboratory:

Name: Imran Malik
General Manager

Date: 27/06/2023

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

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ENVIRONMENTAL SERVICES PAKISTAN

PAK EPA & PUNJAB EPD CERTIFIED

NOISE MONITORING REPORT

ESPAK/0371P/23/N/3526/00395 Date: 27/06/2023

Capacity Enhancement of Sugar Mill (27,000 to 35,000 tons/day) of M/s JDW Sugar Mills Ltd, Unit I

JDW Sugar Mills Road, Mauza Sharin, Jamal Din wali, RYK

Noise

15/06/2023 Grab / Composite: Continuous 24-Hours

Shahzad Ali, Analyst (Field), ESPAk

16/06/2023

Sound Level Meter

Measurement Point	Limit Values (PEQS)	Noise Level in dB(A) Leq	Remarks
t of Site 30406°N 70.073594°E) - Day time	75 dB(A)	71 dB(A)	Within Prescribed Limits
t of Site 30406°N 70.073594°E) - Night time	65 dB(A)	62 dB(A)	Within Prescribed Limits

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

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

Analyzed By: Shahzad Ali
Analyst (Field)

Chief Analyst with Seal: Muhammad Arfan

e of Incharge of the Environmental Laboratory:

Name: Imran Malik
General Manager

Date: 27/06/2023

Environmental Services Pakistan ESPAK

End of Report

e Office
e No. 731,
- 2, Sector D1,
illani Road, Township
re, Pakistan.
92 (42) 3515 4015-16

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Tel: +92 (51) 5915060

Peshawar Office
Unit No. 244-TF, Dean's Trade Center Sadar Cantt, Peshawar, Pakistan.
Tel: +92 312 0849999

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ENVIRONMENTAL SERVICES PAKISTAN

PAK EPA & PUNJAB EPD CERTIFIED

CHEMICAL ANALYSIS TEST REPORT (GROUND WATER)

ESPAK/0371P/23/GW/3527/00838 Date: 27/06/2023

Capacity Enhancement of Sugar Mill (27,000 to 35,000 tons/day) of M/s JDW Sugar Mills Ltd, Unit I

JDW Sugar Mills Road, Mauza Sharin, Jamal Din wali, RYK

Ground Water

16/06/2023 Grab / Composite: Grab

15/06/2023

Shahzad Ali, Analyst (Field), ESPAK

27/06/2023

Parameters	Limit Values (PEQS)	Concentration	Method / Equipment Used	Remarks
	---	ND	SMWW 9221 B	---
Coliforms	Must not be detectable in any 100mL Sample	ND	SMWW 9221 F	Within Limits
	≤15 TCU	Nil	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
Hardness as $CaCO_3$*	<500 mg/L	321 mg/L	SMWW 2340C	Within Limits
Dissolved Solids (TDS)*	<1000 mg/L	416 mg/L	SMWW 2540C	Within Limits
	6.5-8.5	7.9	SMWW 4500H+B	Within Limits
(NO_3^-)	≤50 mg/L	9.5 mg/L	SMWW 4500NO_3^-B	Within Limits
(NO_2^-)	≤3 mg/L	ND	SMWW 4500NO_2^-B	Within Limits
Chlorine	0.2-0.5 mg/L	ND	SMWW 4500-Cl B	---
(as Cl^-)*	<250 mg/L	36 mg/L	SMWW 4500Cl^-B	Within Limits
(F^-)*	≤1.5 mg/L	0.8 mg/L	U.S. EPA 9214	Within Limits
Compounds (as Phenols)	NGVS	ND	SMWW 5530 C	---
(CN^-)	≤0.05 mg/L	ND	SMWW 4500 CN^- F	Within Limits
(Cd)	0.01 mg/L	ND	U.S. EPA-200.7	Within Limits
(Cr)	≤0.05 mg/L	ND	U.S. EPA-200.7	Within Limits
(Cu)	2.0 mg/L	ND	U.S. EPA-200.7	Within Limits
	≤0.05 mg/L	ND	U.S. EPA-200.7	Within Limits
(Hg)	≤0.001 mg/L	ND	U.S. EPA-200.7	Within Limits
	≤0.02 mg/L	ND	U.S. EPA-200.7	Within Limits
(Zn)	5.0 mg/L	0.1 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/0371P/23/GW/3527/00838 Date: 27/06/2023

Capacity Enhancement of Sugar Mill (27,000 to 35,000 tons/day) of M/s JDW Sugar Mills Ltd, Unit I

Parameters	Limit Values (PEQS)	Concentration	Method / Equipment Used	Remarks
	≤0.05 mg/L	ND	U.S. EPA-200.7	Within Limits
	0.7 mg/L	0.2 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	0.1 mg/L	U.S. EPA-200.7	Within Limits
	0.3 mg/L	ND	U.S. EPA-200.7	Within Limits
Coliform Bacteria	Must not be detectable in any 100mL sample	ND	SMWW 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

Environmental Quality Standards for Drinking Water, 2016
Methods for the Examination of Water and WasteWater 23rd Edition, American Public Health Association, American Water Works Association, Water Federation USA (2017)
Number
States Environmental Protection Agency
Table Set

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

should be reproduced as a whole and not in parts.
responsibility of the ethical use of this report lies with the client.
Test represent sample conditions when monitoring/testing was carried out.
Test data is not intended to be used legally by the client.
Parameters marked with asterisk (*) are ISO 17025:2017 accredited.

Analyzed By: Waqas Ahmad (Analyst (ICP-AES)); Ghulam Mustafa (Analyst (Chemical)); Riaz Ahmad (Analyst (Chemical)); M. Shahid (Analyst (Chemical)); Khizra Bano (Analyst(Microbiology))

Chief Analyst with Seal: Muhammad Arfan 27/06/23

In charge of the Environmental Laboratory:

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

End of Report

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Islamabad Office
Office No. 314, 3rd Floor, Gulberg Empire, Gulberg Greens, Islamabad, Pakistan.
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ANNEX-XII

Socio-Economic Survey Forms

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GOVT. DEPARTMENTS CONSULTATION

ECOGRE

1	Respondent Name	Muhammad Ammas
2	CNIC No./Mobile No.	0308-1891805
3	Designation	Sub Divisional officer
4	Department Name	Irrigation
5	Project Title	Enhancement of Crushing Capacity
6	Project Location	JDW Sugar Mills unit-I
7	Comments/Suggestions of Respondents	This project should be implemented however guidlines of Government should be adhered as per Law and policy in vogue. The project be implemented under joint supervision of this Department.

Respondent: _____ Interviewer: _____

Sub Divisional Officer
Lamma Canal Sub Division
Ahmed Pur Lamma

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...ENTS CONSULTATION

EC GRE

1 Respondent Name	DIRECTOR LABOUR WELFARE BAHAWALPUR DIVISION Malik Mohammad Farooq
2 CNIC No/Mobile No	0300 - 6537637
3 Designation	Director Labour Welfare Bahawalpur Division.
4 Department Name	Labour & Human Resource Department.
5 Project Title	Enhancement of Crushing Capacity
6 Project Location	JDW Sugar mills Unit no. 1 Jamal Din wali Tehsil Sadiqabad District RY Khan
Comments/Suggestions of Respondents	The instant project enhancement of crushing capacity as per laws and policy of Government is appreciable as the same will add and create employment opportunities for the local area residents. However the labour laws are to be implemented in letter & spirit in a bid to ensure healthy & safety of employed workforce & to safeguard their economic interests. It will also add to economic well-being of the area.

22/06/2023.

Interviewer:

DIRECTOR LABOUR WELFARE
BAHAWALPUR DIVISION

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GOVERNMENT OF PAKISTAN
Ministry of Science & Technology
Pakistan Council of Scientific & Industrial Research
Laboratories Complex, Lahore
FEROZEPUR ROAD, LAHORE 54600 - PAKISTAN

Sr. No. PCSIR-LLC 000136

Doc# LLC/QM/FF/42	Date: Jan. 01, 2020	Rev # 05

PNAC

TEST REPORT

Report No. CEPS/MHK/302/23

Date: 05-04-2023

Name and Address of the Customer:	M/S JDW Sugar Mills Ltd. 17-Abid Majeed Road, Lahore Cantt. Lahore.		
Request Ref # and Date:	Nil dated 21-03-2023	Sheet No.	One of one
Description of Sample:	Treated Wastewater (JDW Unit-I, ETP Out)	No. of sample:	One
ILO Log # and Date:	1055 dated 28-03-2023	Ref/Code #	CEPS/302/23
Method used Specs:	Standard Methods for the Examination of Water and Wastewater, 23rd Edition, 2017	Temp. & Humidity:	21.4-24.4 °C 64-66 %
Statement of non-compliance:	Nil	Testing date:	29-03-2023 to 04-04-2023

RESULTS

Parameters	Method #	Results	Units	NEQS
pH value at 25 °C	4500- H^+- B	7.36	—	6 - 10
COD	5220-B	45.0	mg/L	150 mg/L
BOD_5 at 20 °C	5210-B	27.0	mg/L	80 mg/L
Oil & Grease	5520-B	4.5	mg/L	10 mg/L
Total Dissolved Solids	2540-C	509.0	mg/L	3500 mg/L
Total Suspended Solids	2540-D	57.0	mg/L	200 mg/L

♦---------- ♦ END ♦ ----------♦

Term and conditions over leaf

Prepared by:
05/04/23
Dr. Naeem Abbas
Senior Scientific Officer
TMR/ Section Incharge

05.4.23
Head
Centre for Environmental Protection Studies
Head of the Centre

Counter signature
6.4.23
Director General

Tel Direct No: 042-99230574; PABX No.042-99230688-95, Ext: 216-17, 363, Fax: 042-99230705
Email: ilo@pcsir-lhr.gov.pk; ilopcsirlhr@gmail.com; website: www.pcsir-lhr.gov.pk

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QUESTIONNAIRE FOR SOCIOECONOMIC SURVEY

Personal Information

1. Name M. Ashraf
2. Address Rahim Yar Khan — Contact #/ CNIC 31303-2414816-7
3. Age 43
4. Education Primary
5. Marital Status ✓ Married • Single
6. If married, No. of children 4
7. Religion Islam
8. No. of earning members in family 01
9. Total income/ occupation 28,000
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. 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? 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) Ashraf

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GOVT. DEPARTMENTS CONSULTATION

ECOGRE

1	Respondent Name	Aamir Ishaq
2	CNIC No./Mobile No.	0300-6827162
3	Designation	Assistant Director
4	Department Name	EPA
5	Project Title	
6	Project Location	
7	Comments/Suggestions of Respondents	Proper waste water treatment Plant and Air emission control devices must be installed, compliance of PEQs required.

Respondent: 15/6/23 Interviewer:

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GOVT. DEPARTMENTS CONSULTATION

ECOGRE

1	Respondent Name	DIRECTOR LABOUR WELFARE BAHAWALPUR DIVISION Malik Muhammad [illegible]
2	CNIC No./Mobile No.	0308-6537639
3	Designation	Director Labour Welfare Bahawalpur Division.
4	Department Name	Labour & Human Resource Department.
5	Project Title	Enhancement of Crushing Capacity
6	Project Location	IDN Sugar Mills Unit No. 1 Jamal Din Wali Tehsil Sadiqabad District RY Khan.
7	Comments/Suggestions of Respondents	The instant project of enhancement of crushing capacity as per laws and policy of Government is appreciable as the same will add and create employment opportunities for the local area residents. However the labour laws are to be implemented in letter & spirit in a bid to ensure health & safety of employees & to safeguard their economic interests. It will also add to economic well being of the area.

22/06/2023.

Interviewer: _____

DIRECTOR LABOUR WELFARE
BAHAWALPUR DIVISION

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QUESTIONNAIRE FOR SOCIOECONOMIC SURVEY

Personal Information

1. Name: M. Amin
2. Address: RYK — Contact # CNIC: 31304-9782475-5
3. Age: 33
4. Education: middle
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 While survey
14. What do you think about the Project? Do you think it should be applied? Why, why not?: Yes Enhanced production
15. What do you think would be the positive/ negative effects of the Project?: Employment
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: Jan Rangha
2. Add: RYK — Contact # CNIC: 3104-8945329-1
3. Age: 28
4. Education: Primary
5. Marital Status: ✓ Married • Single
6. If married, No. of children: 04
7. Religion: Islam
8. No. of earning members in family: 01
9. Total income/ occupation: 25,000
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?: Nar Sugar Production
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

Name: M. Akram

Address: RYK

Cnic No. of CNIC: 31304-1308589-3

Age: 29

Education: Nill

Marital Status: ✓ Married • Single

If married, No. of children: 02

Religion: Islam

No. of earning members in family: 01

Total income/ occupation: 27,000

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 father works in mill

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

Yes. Employment Opportunities

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

Production will increase

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) Akram

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QUESTIONNAIRE FOR SOCIOECONOMIC SURVEY

Personal Information

Name: M. Ayyub

Father's Name: RM

Computerized CNIC: 31304-1950177-3

Age: 26

Education: Mir 2nd

Marital Status: • Married • Single

Married, No. of children: 1

Religion: Islam

No of earning members in family: 02

Total personal occupation: 27,000

Is there any family member suffering from some disease?: 01

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

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

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

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

Would you like to add anything else?: No

Interviewed By:

Sign of Person (interviewed): Ayyub

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QUESTIONNAIRE FOR SOCIOECONOMIC SURVEY

Personal Information

1. Name: Shah Muhammad
   Address: RYK
   Contact # / CNIC: 31304-5158328-9
2. Age: 45
3. Education: Nill
4. Marital Status
   ✓ Married • Single
5. If married, No. of children: 05
6. Religion: Islam
7. No. of earning members in family: 01
8. Total income/ occupation: 40,000
9. 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?
14. What do you think about the Project? Do you think it should be applied? Why, why not?
15. What do you think would be the positive/ negative effects of the Project?
16. What will be the Health and Safety Issue due to this project in your point of view?
17. Would you like to add anything else?
    NO

Interviewed By: _____ Sign of Person (Interviewed) Shah G

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QUESTIONNAIRE FOR SOCIO-ECONOMIC SURVEY

Personal Information

Name: Malik Shahzad

Address: RYK

Cnic No: 31304-0151352-1

Age: 35

Education: Nill

Marital Status: ✓ Married / Single

If married, No. of children: 03

Religion: Islam

No. of earning members in family: 01

Total income/ occupation: 35,000

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?

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

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

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

5. Would you like to add anything else?

NO

Interviewed By:

Sign of Person (interviewed) Shahzad

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QUESTIONNAIRE FOR RESETTLEMENT SURVEY

Personal Information

1. Name M. Jameel
2. Address RVK — Contact # CNIC 3130-2045822-1
3. Age 39
4. Education Nill
5. Marital Status ✓ Married • Single
6. If married, No. of children 04
7. Religion Islam
8. No. of earning members in family 01
9. Total income/ occupation Rs. 42,000
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?
14. What do you think about the Project? Do you think it should be applied? Why, why not?
15. What do you think would be the positive/ negative effects of the Project?
16. What will be the Health and Safety Issue due to this project in your point of view?
17. Would you like to add anything else? NO

Interviewed By: _____ Sign of Person (Interviewed) Jameel

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QUESTIONNAIRE FOR SOCIOECONOMIC SURVEY

Personal Information

1. Name M. Hanif
2. Address RYK Contact # / CNIC 31304-0281195-9
3. Age 43
4. Education Primary
5. Marital Status
   - ✓ Married
   - Single
6. If married, No. of children 06
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?
14. What do you think about the Project? Do you think it should be applied? Why, why not?
15. What do you think would be the positive/ negative effects of the Project?
16. What will be the Health and Safety Issue due to this project in your point of view?
17. Would you like to add anything else?
    NO

Interviewed By: _____ Sign of Person (Interviewed) Hanif

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QUESTIONNAIRE FOR SOCIOECONOMIC SURVEY

Personal Information

Name: Shafique Ahmad

Address: RYK

Contact # / CNIC: 31304-8940216-7

Age: 36

Education: Primary

Marital Status: ✓ Married Single

If married, No. of children: 06

Religion: Islam

No. of earning members in family: 01

Total income/ occupation: 28,000

Is there any family member suffering from some disease?

NO

Receptors Information

How many hospitals/ dispensaries are available in the area?

07

How many schools and colleges are present in the area?

01

Project Information

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

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

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

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

Would you like to add anything else?

NO

Interviewed By:

Sign of Person (Interviewed) Shafique

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ANNEX-XIII

Health and Safety Documents

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محدود اور بند جگہ کے اندر کام کرنے والے آلات کی جانچ پڑتال

تاریخ ..... وقت ..... شفٹ .....

ایریا ..... لوکیشن ..... ایکوپمنٹ نام: .....

کام ..... سٹینڈ بائے پرسن نام .....

ورکرز کی تعداد: ..... نام بمعہ عہدہ .....

کام کی نوعیت: الیکٹرک سپلائی: 24 Volts

ذاتی حفاظتی آلات : سیفٹی شوز یونیفارم سیفٹی گاگل ڈسٹ ماسک کاٹن گلوز

بجلی اور مکینیکل آلات کی تفصیل اور جانچ پڑتال

آلات	قابل استعمال	ناقابل استعمال	ٹھیک کرنا ممکن نہیں	وجہ
ہینڈ لیمپ				
تاریں				
سوئچ بورڈ				
سوئچ				
پلگ				
ریسپٹیکل				
پیڈسٹل فین				
ایگزاسٹ فین				
ویلڈنگ ہولڈر				
ویلڈنگ پلانٹ				
ویلڈنگ ارتھ				
ویلڈنگ لیڈ				
کٹنگ ٹارچ				
گیس ہوز				
گرائنڈر				
ہائیڈروجیٹ نوزل				
ٹولز				
لکڑی کے پھٹے				

ابزرو کرنے والے کا عہدہ ..... دستخط .....

منیجر

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محدود جگہ میں داخلے کا فارم

تاریخ ..... ایریا..... ورکرز کی تعداد:.....

ٹائم..... جگہ..... کام کی نوعیت:.....

نام ورکرز بمعہ عہدہ.....

حفاظتی آلات : سیفٹی شوز یونیفارم سیفٹی گاگل ڈسٹ ماسک کاٹن گلوز

نمبر شمار	اندر جانے کا وقت	باہر آنے کا وقت	ٹوٹل ٹائم	نمبر شمار	اندر جانے کا وقت	باہر آنے کا وقت

سٹینڈ بائی پرسن کا نام..... عہدہ.....

ریمارکس :.....

.....

.....

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بوائلنگ ہاؤس جاب سیفٹی اینالسٹ (Boiler House Job Safety Analysis)

صفائی سنٹری فیوگل اسٹیشن

☆ سینٹری فیوگل کی صفائی دیئے ہوئے شیڈول کے مطابق کی جائے
☆ شفٹ میں گراؤنڈ فلور کی صفائی گرم پانی سے کی جائے
☆ ہر شفٹ میں ٹاپ فلور بمعہ سیڑھیوں کی صفائی بگاس لگا کر کی جائے
☆ ہر شفٹ میں ایک سینٹری فیوگل کی بیک لائنز کی صفائی کی جائے
☆ ہر شفٹ میں لیچ ڈرین کے قریب چونے کا چھڑکاؤ کیا جائے
☆ کسی مسئلہ کی صورت میں سنٹری فیوگل فورمین یا شفٹ کیمسٹ کو اطلاع دیں

ایواپوریٹر

☆ ویپر سیل یا باڈی کو چلانے سے پہلے ہر طرح تسلی کریں کہ اس کے کسی بھی حصہ میں لیچ وغیرہ نہیں ہے مڈ ہول مین ہول ڈرین والوز اور سائٹ گلاس چیک کریں
☆ اسٹیم ٹرپ آؤٹ لٹ والو کھولیں اور واٹر کنڈنسیٹ پمپ چلا دیں کنڈنسیٹ پانی صاف نہ ہونے کی صورت میں ڈرین کریں
☆ جوس لینے سے پہلے ویپر سیل/باڈی کو اسٹیم والو کھلوا کر اچھی طرح گرم کریں
☆ جوس ان لٹ والو کھلوا دیں جوس لیول پہلے سائٹ گلاس سے نیچے ہی رکھنے کی کوشش کریں جو کہ اچھی ایواپوریشن کے لیے بہت ضروری ہے
☆ فورتھ باڈی کا ویکم 23-25HG ویکم بنانے کے لیے کنڈنسیٹ واٹر والو حسب ضرورت کھولیں
☆ ایگزاسٹ اسٹیم کا ٹمپریچر 122+2 oC تک ہونا چاہیئے کم یا زیادہ ہونے کی صورت میں فوراً شفٹ کیمسٹ کو اطلاع دیں
☆ ایگزاسٹ اسٹیم پریشر 0.7-1kg/CM2 سے کم ہونے کی صورت میں شفٹ کیمسٹ کو اطلاع دیں
☆ سیرپ Brix 60-65 تک رکھیں کام میں خرابی کی صورت میں فوراً شفٹ کیمسٹ کو اطلاع کریں
☆ ٹیوب برشنگ کے بعد کلینڈریہ میں پانی بھر کر اچھی طرح چیک کریں کہ کوئی ٹیوب لیک نہ ہو شیل لیچ بھی پانی بھر کر چیک کریں

حفاظتی آلات

☆ گاگلز ☆ کاٹن گلوز ☆ سیفٹی سپیٹکل ☆ لیدر اپرن

مقناطیس کا استعمال اور صفائی

☆ شوگر گریڈر نمبر 3 اور 4 پر مقناطیس لگائے گئے ہیں
☆ شوگر میں سے آئرن پارٹیکل کو الگ کرنا ہے
☆ شفٹ کے آغاز پر ان کی صفائی کی جائے
☆ شفٹ کیمسٹ/ڈپٹی چیف کیمسٹ اپنی نگرانی میں صفائی کروائے
☆ صفائی کے بعد فارن میٹریل ایک P.P.Bag میں ڈال کر رکھا جائے تاکہ بوقت ضرورت دیکھا جا سکے
☆ ان ہدایات پر عمل کیا جائے اور کسی قسم کی خرابی کی صورت میں شفٹ کیمسٹ کو اطلاع دیں

ضروری حفاظتی آلات

کاٹن گلوز
گاگل

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پریشر فلٹر اسٹیشن

☆ چلانے سے پہلے پریشر فلٹر میں پانی بھر کر اچھی طرح چیک کریں تا کہ لیکج کا پتہ چل سکے

☆ لیکر ان لٹ والو کھولیں ڈرین والو بند کریں پریشر 0-4Kg/cm2 کے درمیان رہنا چاہیئے پریشر مقررہ حد تک پہنچ جائے واشنگ کریں

☆ واشنگ احتیاط سے کریں شافٹ چلا دیں فرسٹ فلٹریشن کی صورت میں بقیہ لیکر فرسٹ کا رب رسیور ٹینک میں ڈرین کریں اور واشنگ

ڈرین کریں

☆ سیکنڈ فلٹریشن کی صورت میں بقیہ لیکر سافائینڈ لیکر رسیور ٹینک میں ڈرین کریں اور واشنگ راجوس ٹینک میں ڈرین کریں

☆ تمام فرسٹ پریشر فلٹرز اور ایک سیکنڈ پریشر فلٹر کی واشنگ ہر شفٹ میں کروائیں

☆ لیکر کلر صاف نہ ہونے کی صورت میں شفٹ کیمسٹ کو اطلاع کریں

☆ آنے والی شفٹ کو ایک ایک پریشر فلٹر واش دے کر جائیں

مخصوص حفاظتی آلات

☆ کاٹن گلوز ☆ گاگل

سلفیٹیشن اسٹیشن

☆ فرنس میں سلفر ڈالنے سے پہلے چیک کر لیں کہ اس میں کوئی خرابی تو نہیں ہے

☆ شفٹ میں ایک مرتبہ فرنس کی صفائی کریں

☆ 6.4-6.8 ph کے درمیان رکھیں

☆ کولنگ جیکٹ میں ٹھنڈے پانی کی سرکولیشن ہر گھنٹہ کے بعد چیک کریں

☆ کسی مسئلہ کی صورت میں شفٹ کیمسٹ کو اطلاع کریں

مخصوص حفاظتی آلات

کاٹن گلوز

گاگل

ماسک (ھاف فیس ماسک)

کاربونیشن اسٹیشن

☆ کاربونیشن ٹینک اچھی طرح چیک رکھیں خاص طور پر مین ہول، ڈرین ہول، ڈرین والو Co2 Gas پائپز اور سائٹ گلاسز وغیرہ

☆ CO2 پمپ چلوائیں Co2 گیس ڈکٹ اور گیس واشنگ / کولنگ سسٹم کی صفائی شیدول کے مطابق کریں

☆ رالیکر میں چونے کا محلول (M.O.L) اتنی مقدار میں لیں کہ پی ایچ 10.5-11.5 کی حد میں رہے

☆ Co2 گیس پریشر 0.5+0.01kg/cm2 ہونا ضروری ہے کم ہونے کی صورت میں شفٹ کیمسٹ کو اطلاع کریں

☆ کاربونیشن سرکولیشن پمپ چیک کرتے رہیں پمپز میں لیکج کی سورت میں شفٹ کیمسٹ کو اطلاع کریں

☆ ریسیور ٹینک کی نگرانی رکھیں تا کہ اوور فلو نہ ہو سکے

☆ چونے کا محلول (M.O.L) کا ٹینک ہر شفٹ میں صاف کریں

مخصوص حفاظتی آلات

☆ گلوز ☆ ماسک (ھاف فیس ماسک) ☆ گاگل

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مخصوص حفاظتی آلات
گلوز
گاگل اسٹیفٹی سپیکٹیکل

پین اسٹیشن

☆پین کو چلانے سے پہلے تسلی کرلیں کہ کوئی لیکج وغیرہ تو نہیں ہے
☆واشنگ اسٹیم سے پین کو اچھی طرح گرم کرلیں
☆ویکم کے لیے کنڈنسر واٹر ان والوز کھولیں
☆شیل میں ویکم HG 20 تک آجائے تو سیرپ املاسز کا والو کھولیں
☆ویکم HG 23-25 تک رکھیں (کام خراب ہونے کی صورت میں شفٹ کیمسٹ کو اطلاع کریں)
☆واٹر انجیکشن پمپ حسب ضرورت چلوائیں
☆پین بوائلنگ احتیاط اور محنت سے کریں کیونکہ اسی پر کوالٹی کا انحصار ہے
☆اسٹرائیک گرانے سے پہلے تسلی کرلیں کہ تیار کردہ اسٹرائیک مطلوبہ کرسٹلائزر میں ہی گرائی جارہی ہے
☆PM کی پین بوائلنگ سکیم پر پوری طرح سے عمل کریں تاکہ مطلوبہ رزلٹ حاصل کیے جاسکیں
☆اسٹرائیک گرانے کے بعد پین کو واشنگ اسٹیم سے اچھی طرح واش کریں

ویکم فلٹر اسٹیشن

☆ویکم فلٹر کی جالیاں اسپرے پائپ ونوزل، ہاٹ واٹر پمپ، مدمکسر، مڈ سکریپر، ویکم پمپ، کسکیڈ کنڈنسر وغیرہ اچھی طرح چیک کریں
☆ویکم پمپ چلائیں اور کیسکڈ کنڈنسر میں پانی کھول دیں
☆ویکم فلٹر چلا کر ویکم فلٹر ٹرے میں مڈ سلری اور فلو لیول تک بھریں
☆ہائی اور لو ویکم والوز کو اس سیٹ کریں کہ ہائی ویکم HG 15-17 اور لو ویکم HG 5-7 کے درمیان رہے
☆ہاٹ واٹر پمپ چلائیں مدکیک پر پانی سپرے کرنے کے لیئے واٹر اسپرے والوز کھول دیں
☆پانی کا پریشر PSIG 30-40 کے درمیان رکھیں
☆مڈ پول 1.5-2.25 سے زیادہ نہیں ہونا چاہیئے
☆پانی کے اسپرے نوزل اچھی طرح چیک کرتے رہیں جو کہ مڈ پول کم کرنے کے لیئے بہت ضروری ہے
☆فلٹریٹ ٹینکوں کا جوس لیول سائٹ گلاس سے چیک کرتے رہیں
☆جالی وغیرہ پھٹ جانے یا دیگر خرابی کی صورت میں شفٹ کیمسٹ کو اطلاع دیں
☆مڈ سلری مکسچر چیک کرتے رہیں سلری ڈسپوزل پمپ خراب ہونے کی صورت میں شفٹ کیمسٹ کو اطلاع کریں

مخصوص حفاظتی آلات

☆گلوز ☆گاگل ☆سیفٹی سپیکٹیکل

لائم سلیکر اسٹیشن

☆چونے کا ٹرک ان لوڈ ہونے سے پہلے چونے کا سیمپل لیبارٹری میں چیک ہونے کے لیئے بھیجیں
☆چونے کا محلول (M.O.L) بنانے کے لیئے لائم سلیکر میں گرم پانی استعمال کریں
☆چونے کا محلول (M.O.L) ضرورت کے مطابق 8-10Be کا تیار کریں
☆کچرا (گرٹ) کی چونے کے محلول (M.O.L) سے علیحدگی کی بہت ضروری ہے
☆تیار شدہ چونے کی محلول کی جالی کو چیک کرتے رہیں ضروری مرمت کے لیئے شفٹ کیمسٹ کو اطلاع کریں
☆چونے کے محلول (M.O.L) اسٹوریج ٹینک کی صفائی شیڈول کے بطابق ضرور کریں

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☆کسی قسم کی خرابی کی اطلاع شفٹ کیمسٹ کو کریں

مخصوص حفاظتی آلات

☆گلوز ☆ڈسٹ ماسک ☆ربڑ لانگ شوز ☆گاگل ☆سیفٹی سپیکٹیکل ☆ربڑ گلوز

جوس ڈیفیکیشن

☆جوس ڈیفیکیشن کی PH پی ایچ مقررہ حد کے درمیان رکھیں

☆B.T.B پیپر سے PH چیک کریں

☆PH زیادہ یا کم ہونے کی صورت میں (M.O.L) چونے کے والو کو کنٹرول کریں

☆ڈیفیکیٹڈ جوس کا درجہ حرارت دیکھتے رہیں درجہ حرارت کم یا زیادہ ہونے کی صورت میں جوس ہیٹر میٹ کو اطلاع دیں

☆ڈیفیکیٹڈ جوس ریٹنشن کا خیال رکھیں تا کہ اوور فلو نہ ہو

☆ڈیفیکیشن اسٹیشن پا کام میں کرابی کی صورت میں فوراشفٹ کیمسٹ کو اطلاع کریں

مخصوص حفاظتی آلات

☆گلوز ☆ربڑ لانگ شوز ☆گاگل

جوس ہیٹر

☆جوس ہیٹر چلانے سے پہلے ٹاپ اور باٹم کورز بند کر کے لیکج اچھی طرح چیک کر لیں

☆ہیٹر میں جوس لینے سے پہلے وپر سٹیم والو کھول کر صحیح گرم کریں۔امونیا والو۔کنڈنسیٹ والو اور ائیر کاک کھول دیں درین کاک بند کر دیں

☆ہیٹر میں جوس لینے کے لیے جوس والو کھولیں ہیٹر میں جوس آنے کے بعد ائیر کاک بند کر دیں

☆پرائمری جوس ہیٹر کا درجہ حرارت oC 2+70 کے درمیان رکھیں

☆سیکنڈری جوس ہیٹر کا درجہ حرارت oC 102-104 تک رکھیں

☆پرائمری جوس ہیٹر کا درجہ حرارت oC 2+108 تک رکھیں

☆درجہ حرارت پر کڑی نظر رکھیں جو کہ جوس کی صفائی کے لیے بہت ضروری ہے

☆جوس کا درجہ حرارت کسی وجہ سے پورا نہ ہو رہا ہو تو شفٹ کیمسٹ کو اطلاع کریں

☆جوس ہیٹرز میں ہیمرنگ کی صورت میں اسٹیم ٹریپ چیک کریں۔آؤٹ لٹ والو بند ہو تو کھولدیں امونیا ایگزاسٹ کھلے رکھیں

☆ہیٹر کو شیڈول کے مطابق ٹیوب برشنگ کے لئے کھلوا دیں ہیٹر کھلوانے سے اسے اچھی طرح راجوس ٹینک میں ڈرین کریں

☆ٹیوب برشنگ کے بعد اچھی طرح چیک کریں ٹیوب لیکج کی صورت میں شفٹ کیمسٹ کو اطلاع دیں

مخصوص حفاظتی آلات

☆گلوز ☆ماسک (ھاف فیس ماسک) ☆گاگل

عملہ بیگنگ ھاؤس

☆غیر متعلقہ افراد کا داخلہ منع ہے

☆سگریٹ نوشی منع ہے

☆بیلنگ کا عملہ صاف لباس پہن کر آئے

☆بیلنگ کا عملہ بند جوتے پہن کر آئے

☆بیلنگ ہاؤس میں ننگے پاؤں داخلہ منع ہے

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☆بیلنگ کے عملہ کے لیے گھڑی، انگوٹھی، چین پہننا منع ہے

☆ہر دو 2 گھنٹے کے بعد بیلنگ ہاؤس کی صفائی کی جائے

☆وزن درست رکھیں

بیلنگ ہاؤس

☆بیلنگ ہاؤس سے متعلق ہر چیز کی درستگی چیک کریں

☆خاص طور پر (شوگر ہاپرز۔شوگر ڈرائیرز بمعہ ریڈی ایٹر۔شوگر ایلیویٹر۔شوگر گریڈرز۔شوگر نٹ وئیر۔بیلنگ سلائی مشین۔بیگ کوچ

☆ریفائن سینٹری فیوگل چلانے سے پہلے شوگر گریڈرز،شوگر ایلیویٹر،شوگر ڈرائیرز،اور شوگر ہاپرز چلائیں

☆ریڈی ایٹر کے اسٹیم والو حسب ضرورت کھولیں

☆شوگر گریڈرز کی اندرونی صفائی اور جالیوں کی چیکنگ پراگرام کے مطابق ضرور کریں

☆سیڈ میگما میں شوگر ڈسٹ کے ساتھ اگر میڈیم گرین آنا شروع ہو جائے تو سینٹری فیوگل فورمین کو اطلاع دیں تا کہ خرابی کی دور کی جائے

☆شوگر بیگ کا وزن احتیاط سے کریں وزن کم یا زیادہ ہونے کی صورت میں شفٹ کیمسٹ کا اطلاع کریں اور رجسٹر میں وزن درج کریں

☆شوگر بیگ کا وزن 50.110+0.020kg رکھیں

☆شفٹ میں دو دفعہ چیک وئیر کی انسٹرومنٹ والوں سے چیکنگ کروائیں

مخصوص حفاظتی آلات

☆گلوز پوسٹیشن ☆گاگل ☆ربڑ شوز ☆اپرن ☆ہیئرنٹ ☆بیرڈنٹ ☆شوز کور ☆ماسک (ڈسٹ ماسک)

تربیتی پروگرام برائے نئے ورکرز

☆ہر نئے ورکر کو تمام حفاظتی تدابیر سے آگاہ کیا جائے

☆اسے ڈیوٹی کے اوقات کے بارے میں آگاہ کیا جائے

☆اسے یہ باور کرایا جائے کہ یہ فوڈ انڈسٹری ہے اس کو ہر قسم کی آلودگی سے بچایا جائے

☆نظم وضبط کے بارے میں بتایا جائے

☆اپنے سینئیر کا حکم مانے اور اس کے مطابق کھم کرے

☆جس شعبہ میں ڈیوٹی لگائی جائے اس کے بارے میں اپنے انچارج سے معلومات حاصل کرے

☆انٹرڈیپارٹمنٹل ماحول کو سازگار بنانے کے لئے جہاں تک ممکن ہو تعاون کیا جائے

☆جہاں تک ممکن ہو ادارہ کا مفاد سب سے مقدم رکھا جائے

صفائی کا خیال رکھا جائے

☆ڈیوٹی کے دوران ڈھیلا لباس اور کھلے جوتے پہننے کی اجازت نہیں ہے

☆پراسس ہاؤس میں کسی قسم کے کھانے پینے کی اجازت نہیں ہے

☆اپنے سینئیر کی اجازت کے بغیر ڈیوٹی کی جگہ نہیں چھوڑے گا

☆جس اسٹیشن پر کام کر رہا ہو اس کی اہمیت اور اس کے بارے میں مکمل معلومات ہونی چاہیئے

☆مندرجہ بالا تمام تدابیر پر سختی سے عمل کیا جائے

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جنرل ایس۔او۔پی

کام کی نوعیت

کام کرنے والوں کی تعداد جمعہ تعدد

کام شروع کرنے سے پہلے جگہ کا جائزہ

☆ کام کے لیے درکار اوزار کا معائنہ کرنا

☆ حفاظتی آلات کا استعمال کرنا

☆ حفاظتی آلات جیسے ہیلمٹ، دستانے، حفاظتی جوتے (Barricades) کا استعمال کرنا

☆ کام کی نوعیت کے مطابق حفاظتی لباس (ویلڈنگ، کٹنگ وغیرہ) کا استعمال کرنا

☆ کام کی جگہ پر موجود خطرات جیسے کہ گرنے والی اشیاء، کھلے گڑھے یا بجلی کے تاروں سے بچاؤ کے لیے انتظامات کرنا

☆ کام کی جگہ پر موجود خطرات (Above 4ft) کے لیے حفاظتی بیلٹ کا استعمال لازمی کروانا

☆ کام کی جگہ پر موجود خطرات کے بارے میں کام کرنے والے تمام افراد کو آگاہ کرنا

☆ کام کے دوران استعمال ہونے والے تمام آلات کے بارے میں تمام افراد سے پوچھ گچھ کرنا کہ وہ جانچ شدہ ہیں اور کام کرنے کے لائق ہیں

☆ کام کی جگہ پر موجود خطرات کے متعلق تمام افراد کو آگاہ کرنا

☆ کام کے دوران PPE's کے استعمال کے لیے کہنا

☆ بجلی کے کام کے دوران اگر کام کی جگہ پر پانی موجود ہو تو پہلے پانی کے پائپ کا بجلی کرنا ضروری ہے

☆ اگر کام کی جگہ پر موجود بجلی کے تاروں سے بچنے کا انتظام کرنا ممکن نہ ہو تو کام کی جگہ پر موجود بجلی کے تاروں کو پلاسٹک کی لائن لگا کر بند کرنا تاکہ بجلی کے تاروں سے بچا جا سکے۔ ماسک کی لائن کو پہلے سٹیم لگا کر پہنے کے قابل بنانا تاکہ بجلی کا خطرہ نہ ہو

☆ اگر ہوا کے پائپ لائن کے پاس سے گزرنے والے پائپ لائن کو ضرور استعمال کرائیں

☆ ویلڈنگ کی چنگاریوں کے پھیلنے سے بچاؤ کے انتظام

☆ ویلڈنگ کے کام کے دوران ضروری حفاظتی اقدامات کو یقینی بنانا

☆ اگر ویلڈنگ کے دوران چنگاریاں 35 فٹ تک جا رہی ہوں تو تمام سامان کو جن سے نیچے والے فلور پر چنگاریاں جانے اور آگ کا خطرہ ہو تو انہیں بند کرنا

☆ اگر ویلڈنگ کی مشین پر کام ہو رہا ہے تو اس پر نظر رکھنا اور متحرک حصوں کو کور کرنا

2. الیکٹریکل کے خطرات (Electrical Safety Proceedure)

☆ کام کی جگہ پر بجلی کی سپلائی بند کر دی گئی ہے اور لیک لگا دیا گیا ہے

☆ کام کی جگہ پر بجلی کی تاروں کو محفوظ کر لیا گیا ہے (ویلڈنگ / کٹنگ کی صورت میں)

☆ کام کی جگہ پر بجلی کو محفوظ کر لیا گیا ہے

☆ کام کرنے کے لیے بجلی کی روشنی کی ضرورت ہے اور اس کا انتظام کر لیا گیا ہے اور اس کی سپلائی تاروں کو محفوظ کر لیا گیا ہے

☆ کام کی جگہ پر موجود بجلی کی سپلائی بند کر دی گئی ہے اور لیک لگا دیا گیا ہے

☆ کام کی جگہ پر موجود بجلی کے تاروں کو کور کر دیں تاکہ کوئی اس کی طرف نہ جائے اور خطرناک صورتحال پیدا نہ ہو جائے

☆ کام کے دوران استعمال ہونے والے تمام الیکٹریکل آلات کی جانچ کی جائے کہ وہ صحیح طرح انسولیٹڈ ہیں یا نہیں

☆ اگر بجلی کے کام کے پیچھے کام کرنا ضروری ہو تو متعلقہ افراد کو خطرات سے آگاہ کرنا اور ان کی ضرورت کے تحت سپلائی بند کروانا

☆ بجلی کے کام کے لیے بجلی کی نظر آنے والی تاروں کو کور کر کے استعمال کرائیں

☆ صرف تربیت یافتہ الیکٹریشن کو بجلی کی تاروں پر کام کرنے کی اجازت

☆ بجلی کے کام کے دوران ہیلمٹ، دستانے اور حفاظتی جوتے پہننا ضروری ہے

☆ کام کی جگہ پر پانی کی موجودگی میں بجلی کے آلات کو استعمال کرنے سے منع کرنا

☆ کسی بھی برقی آلے کا استعمال اس کی بجلی کی تاروں اور پلگ کے ساتھ استعمال کی ممانعت کرنا

☆ ہمیشہ متعلقہ بجلی کے غیر موصل دستانے پہنیں

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☆ اونچائی پر کام کے لیے کبھی بھی نہ ہو۔ ایلومینیم کی سیڑھی

☆ ہمیشہ GFCI کو چیک کرتے رہیں کیونکہ GFCI (Ground Fault Circuit Interrupters) ایک RCD (Residual Current Device) ہے جس کی وجہ سے الیکٹرک شاک کا خطرہ نہیں رہتا کیونکہ اسے اس طرح بنایا گیا ہوتا ہے کہ کرنٹ کی زیادتی یا شارٹ سرکٹ کی صورت میں نقصان سے بچا جا سکتا ہے

کر کے آلات کو اور انسانی جان کو پہنچنے والے خطرہ کو ختم کرتا ہے

3. کولڈ ورک (محدود یا بند جگہ میں کام کرنا)

بوائلر کی ٹیوبوں کی برشنگ :

☆ تمام مین ہول کھلوا کر اندر کا ٹمپریچر (22 ڈگری سینٹی گریڈ) نارمل کروانا

☆ اندر 24 وولٹ لائٹ کا انتظام ہونا

☆ اندر 24 وولٹ لائٹ کا انتظام ہونا تاکہ اندر کا ٹمپریچر (22 ڈگری سینٹی گریڈ) نارمل رہے اور ورکروں کا دم نہ گھٹے

☆ سائیڈ یا اوپری حصے کے مین ہول پر ایگزاسٹ یا بلور کا لگوانا

☆ متعلقہ PPE,s کا استعمال لازمی کرانا

☆ دوران کام سٹینڈ بائی ورکر کا مین ہول کے باہر موجود ہونا

☆ ہر گھنٹے بعد تمام ورکرز کو 15 منٹ کی بریک کرانے کے لیے باہر نکالنا اور اندر اج کرنا

☆ کسی بھی صورت بند جگہ 220 وولٹ الیکٹرک سپلائی کے استعمال کو منع کرنا اور متعلقہ انچارج کو بتانا

☆ تمام الیکٹریکل آلات کی کیبل کو باقاعدگی سے چیک کرنا

☆ تما الیکٹریکل ٹول اور اپلائنسز کو چیک کرنا

☆ عارضی پلیٹ فارم بنانے کی صورت میں لکڑی کے پھٹوں اور رسوں کو چیک کرنا

4. کریٹ ٹنرز / ہیٹر / ایواپوریٹر / پمپ / والو / پائپ لائن وغیرہ کو کھولنا

☆ الیکٹریکل کنکشن کو ختم کروانا اور اسے ٹیگ کرنا

☆ تمام ان لٹ اور آؤٹ لٹ پر موجود والو کو بند کروانا اور ٹیگ لگانا (چاہے وہ سٹیم۔ پانی۔ گرم پانی۔ جوس وغیرہ کے ہوں)

☆ ٹھنڈے پانی کے ہوز کو تیار کروانا تاکہ ایمرجنسی کی صورت میں استعمال کیا جا سکے

☆ جب تک تمام عملہ اپنا سامان لے کر نہ آئے اور متعلقہ انچارج جس نے کام کروانا ہے نہ آئے کام شروع نہ کروایا جائے

☆ کھولنے سے پہلے اگر متعلقہ درج بالا کسی بھی ایکومنٹ میں پہلے سے موجود جوس۔ ماسکٹ۔ سیرپ وغیرہ کو ضائع ہونے سے بچانے کا انتظام کروانا

☆ کام کرنے والے تمام افراد کو کام کے دوران پیش آنے والے خطرات سے آگاہ کرنا

☆ جس ایکومنٹ کو کھولا جائے اس کے حصوں کو اس طرح رکھوانا کہ راستے بند نہ ہوں

☆ اگر درج بالا ایکومنٹ پریشرائز ہے تو اسے پریشر کو نارمل کرونا۔ گرم ہے تو نارمل ٹمپریچر پر لانا

☆ تمام الیکٹریکل آلات کی کیبل کو باقاعدگی سے چیک کرنا

5. سکیفولڈنگ

☆ پائپ صحیح حالت میں ہونا

☆ جگہ کے مطابق پائپ کی لمبائی کا انتخاب کرنا (زیادہ باہر نہ نکلے ہوئے ہوں)

☆ نیچے زمین سخت ہونی چاہیے اور لیول ہو (تاکہ فولڈنگ پائپ وزن آنے پر بیٹھ نہ جائے)

☆ نرم ہونے کی صورت میں بیس پلیٹ اور سول پلیٹ کا ہونا ضروری ہے

☆ فولڈنگ کے اوپر کے حصہ میں بجلی کی تاروں کا نہ ہونا۔ ہونے کی صورت میں محفوظ کرانا

☆ فولڈنگ کی اونچائی کے مطابق سائیڈوں سے محفوظ کرانا تاکہ گرے نہیں

☆ لکڑی کے پھٹے صحیح حالت میں ہونا اور سائز میں پورے ہونا دونوں سائیڈوں سے بندھے ہوئے ہونا

☆ پائپ اور پھٹے فولڈنگ کے دوران ایک فٹ سے زیادہ باہر نہ نکلے ہوئے ہوں ☆ پلیٹ فارم پر پہنچنے کے لیے سیڑھی کا استعمال کرنا

☆ پلیٹ فارم کے چاروں طرف اوزمٹیریل کو گرنے سے بچانے کے لیے سائیڈ پلیٹ کا لگا ہونا اور ریلنگ کی ٹاپ میں درمیان کے پائپ کا ہونا

حفاظتی آلات

1. گلوز
2. سیفٹی بیلٹ
3. سیفٹی ہارنس
4. یونیفارم
5. سیفٹی شوز

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خطرات : ویلڈنگ ، کٹنگ ، اونچائی تک کام کرنا ، لفٹنگ ، کرین

ویلڈنگ

☆ ویلڈنگ پلانٹ کی حالت..... ☆ ارتھ کنکشن..... ☆ ویلڈنگ ہولڈر کی حالت.....

☆ ویلڈنگ لیڈ کی حالت..... ☆ تھمبل کی حالت.....

☆ ویلڈنگ کے دوران چنگاریوں سے احتیاط کو مدنظر رکھتے ہوئے / تمام فلور چیک کرنا.....

کٹنگ

☆ سلنڈروں کی حالت..... ☆ سلنڈروں کے ریگولیٹر کی حالت.....

☆ ٹارچ کی حالت..... ☆ گیس ہوز کی حالت.....

☆ جہاں کام ہونا ہے اس سے دوری (حفاظت کو مدنظر رکھتے ہوئے).....

☆ کٹنگ کے دوران چنگاریوں سے بچاؤ کے لیے احتیاطی تدابیر تمام فلور چیک کرنا.....

☆ گیج کی حالت / پریشر ضرور چیک کریں.....

رگنگ میں استعمال ہونے والے آلات

☆ سلنگ کیپسٹی..... ☆ چین بلاک کیپسٹی..... ☆ چین بلاک کے ھک کی حالت.....

☆ جہاں سلنگ ڈالے گئے وہ جگہ لوڈ برداشت کرنے کے کتنے قابل ہے.....

☆ سکیفولڈنگ کی حالت.....

کرین

☆ کرین کے ہیلپر کا ہونا.....

☆ جہاں کرین کھڑی ہونی ہے وہ جگہ (کارڈن کرنا۔غیر متعلقہ افراد کو دور کرنا / آمدورفت کو منقطع کرنا.....

☆ کرین کے اوپر اوور ہیڈ پاور لائن / کنڈکٹر (گر ہیں تو انہیں بند کروانا).....

☆ بوم کے راستے کا کلیئر ہونا..... ☆ کرین کے سائیڈ جیک کا صحیح کھلا ہونا.....

سول جاب کے خطرات

☆ کھدائی

☆ کیا زیر زمین بجلی۔ ٹیلی فون۔انسٹرومنٹ کی تاریں تو نہیں

☆ کیا زیر زمین بجلی کی تاروں کی سپلائی بند کرادی گئی ہے

☆ کیا زیر زمین کوئی پائپ لائن تو نہیں

☆ کیا زیر زمین ویسٹ واٹر کی لائن تو نہیں ہے

☆ کیا بجلی سے چلنے والے سول آلات صحیح حالت میں ہیں

☆ کیا پانی سے ترائی کی ضرورت ہے

☆ کیا اس کام سے کسی متعلقہ ڈیپارٹمنٹ کی کوئی چیز خراب ہونے کے بارے بتایا گیا ہے

☆ کیا کام مکمل ہونے کے بعد تمام باقیات اٹھائی گئی ہیں

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شوگر ڈرائر ھاٹ ورک جاب کرانے کا طریقہ

شوگر گریڈ نمبر ..... شفٹ ..... ٹائم .....

تاریخ .....

کام کی نوعیت .....

کام کرنے والوں کی تعداد بمعہ عشدہ .....

☆شوگر ڈرائر کی الیکٹرک سپلائی کو بند کرانا (ٹیگ لگانا)

☆بلورز کی الیکٹرک سپلائی بند کرانی ہے (ٹیگ لگانا)

☆صفائی کرانی ہے (شوگر ڈرائر کے اندر۔باہر اور اوپر سے)

☆دائیں اور بائیں چلنے والے شوگر ڈرائر کے متحرک آلات کو محفوظ بنانا اگر ممکن ہو۔ناممکن کی صورت میں خیال رکھنا اور اپریٹر ہو

سیفٹی آلات

1. گلوز 2. گاگلز 3. ڈسٹ ماسک 4. فائر بلینکٹ 5. فائر بالٹی

ویلڈنگ، کٹنگ

☆ویلڈنگ۔کٹنگ کرانے سے پہلے تمام مکمل جائزہ (بوائلنگ ہاؤس انجینیر / فورمین)

☆ویلڈنگ سے پہلے متعلقہ ڈرائر کو ارتھ کرنا

☆ارتھ لیڈ اور ویلڈنگ لیڈ / الیکٹرک سپلائی کیبل اور ویلڈنگ ہولڈر / ارتھ کیبل کو محفوظ کرنا

☆کٹنگ ہوز کو محفوظ بنانا

☆گیس سلنڈرز کی لیکج چیک کرنا اور ایمرجنسی کی صورت میں بند کرنے کا انتظام کرنا

☆اگر بلندی پر کام ہونا ہے تو گیس سلنڈروں کو دور رکھوانا

☆ویلڈنگ۔کٹنگ کرنے کے لیے ڈرائر کی باڈی کے باہر فائر بلینکٹ لگا کر محفوظ بنانا تاکہ چنگاریاں پھیلیں نہیں

☆ویلڈنگ کے دوران گیلے فائر بلینکٹ سے باڈی کو ٹھنڈا رکھنا اگر ضروری ہو

☆کام مکمل ہونے کے بعد تمام چیزوں کو وہاں سے کلیر کروانا

☆ڈرائر کو بند کرنے سے پہلے اندر کچھ رہ نہ گیا ہو تسلی کرنا

☆ڈرائر کی الیکٹرک سپلائی بحال کروانا اور ٹیگ کو محفوظ کرنا

سیفٹی آلات

1. ویلڈر لیدر گلوز 2. ویلڈر ہیلمٹ 3. ویلڈر ایپرن 4. ویلڈر آرم سلیو

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SOP For Evaporator Entry Season / Off Season

سیزن

☆پراسس Out Let / In Lat والوکو بند کرانا اور ٹیگ لگانا (والو کھولنا منع ہے)

☆ٹاپ اور انٹری مین ہول کو کھلوانا

☆ٹمپریچر ڈاؤن ہونا22 ڈگری سینٹی گریڈ تک (انتظار کرنا)

☆24وولٹ لائٹ کا انتظام

☆Oxygenلیول کو چیک کرنا (21%)

☆ / Cutting / Welding / Scale Scrapping / Tube Plugging / sting

Catcher / Umbrella

☆استعمال ہونے والے سامان کی انسپیکشن

☆حفاظتی آلات کی انسپیکشن اور انکا استعمال

☆سٹینڈ بائی پرسن کا موجود ہونا

☆کام کرنے والوں کا جسمانی / زہنی طور پر فٹ ہونا

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ANNEX-XIV

Authority Letter in favour of Proponent

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JDW Sugar Mills Ltd.

AUTHORITY LETTER IN FAVOUR OF PROPONENT

Mr. Jam Kabir Khan S/o Hashim Khan, Manager (Admin) of the Company having CNIC No. 31304-7646150-3 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: 12.09.2023

Jam Kabir Khan

Muhammed Safdar Kanjoo
General Manager (Admin)

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ANNEX-XV

Authority Letter in favour of Consultant

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JDW Sugar Mills Ltd.

Appointment & Authorization of Environmental Consultants
in the Provincial Environmental Protection Agency (EPA, Punjab) Lahore
In the matter of Project namely
ENVIRONMENTAL IMPACT ASSESSMENT OF JDW SUGAR MILL LIMITED UNIT -1 (35000 TCD),
LOCATED AT MOUZA SHARIN, JAMAL DIN WALI, RAHIM YAR KHAN

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: 12.09.2023

JDW Sugar Mills Ltd. ADMIN

Mr. Jam Kabir Khan
Proponent
JDW Sugar Mill Limited Unit 1, RYK

Head Office: 17-Abid Majeed Road, Lahore Cantt. Lahore. PABX # 042-36664891-92, 36602573-74, Fax: 042-36654490 Email:jdwho@jdw-group.com
Mills: Unit-I : Mauza Sharin, Jamal Din Wali, Distt. Rahim Yar Khan. Ph: 068-5672161-3 Fax: 068-5672164 Email: jdwsite@jdw-group.com
Unit-II : Machi Goth, Sadiqabad, Distt. Rahim Yar Khan. Ph: 068-578516-8 5786520, Fax: 068-5786516-8 Email:jdwsite2@jdw-group.com

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ANNEX-XVI

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