

# **Punjab Municipal Development Fund Company**

Hiring of Consulting Services for Preparation of Integrated Development and Asset Management Plan (IDAMP) for 16 selected MCs In Punjab under Punjab Cities Program (PCP)

**IDAMP – Municipal Committee Jhang** 

May 2024





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### **Section 1. Introduction**

#### 1.1. Context

Punjab's urban metropolises are growing at an alarming rate thereby accelerating the demand at the municipal service levels. The gap between supply and demand in terms of quality of services at the municipal level rings a bell at the corridors of stakeholders both at government and local levels. Accordingly, the study seeks to identify viable business solutions for effective service deliveries. In particular, this report investigates the conditions of assets, both moveable and immoveable, at the MC level to elucidate the foundation for the development of IDAMP.

Infrastructure plays a pivotal role in achievement of service delivery objectives of public sector entities. Without long term planning and optimal management of infrastructure, risk of failure to meet the service delivery program increases significantly. Thus, infrastructure management is a critical concern for the sustainability of public sector entities.

Keeping in view the importance of infrastructure, an IDAMP Framework has been developed which spells out the principles for effective development and management of asset portfolio in order to achieve service delivery objectives, prescribes a consistent approach and a common methodology for development and management of assets and provides guidelines to ensure informed decision making by Municipal Committees for investment in and management of those assets which help the achievement of the service delivery objectives.

#### 1.2. Scope

This document has been prepared for Integrated Development and Asset Management Planning of Municipal Committee (MC) Jhang. Thus, this document is confined to the planning and management of assets of MC Jhang.

#### **1.3. Brief Methodology for IDAMP Development**

The methodology employed for the preparation of the Integrated Development and Asset Management Plan (IDAMP) involved several key steps, which are summarized as follows:

#### 1. Development of Asset Inventory Database

The first step in the IDAMP methodology was to develop a comprehensive asset inventory by PMDFC. This included identifying different asset categories and collecting relevant attribute data. Further, data available at PMDFC and MCs was thoroughly reviewed to ensure accurate and synchronized documentation.

This involved cross-referencing and aligning the available data with the requirements of the project. This served as a fundamental basis for integrated asset management.

#### 2. Asset Condition Analysis

It was imperative to have a clear picture of the physical condition of assets and current level of service. Decisions regarding maintenance, rehabilitation and renewal revolved around these two aspects. Asset physical condition analysis was used to determine the need and timing of some preventative or corrective maintenance to ensure desired Level of Service and prevent service breakdown. Below is given the different categories of condition together with reasons/actions for the applicable condition:

Category	Asset Condition	Actions Required
А	Excellent	Routine Maintenance
В	Good	Minor Repair
С	Fair	Major Repair
D	Poor	Rehabilitation
E	Failing	Replacement

#### 3. Current and Target Level of Services (LOS)

To ensure optimal service delivery, an analysis of asset divergence was conducted to assess the alignment between the existing asset inventory and the desired level of service (LOS). This step involved identifying the current level of services, setting target LOS, evaluating the service delivery gap, assessing asset condition assessment, and planning for necessary asset improvements accordingly.

Gap analysis reports and energy audit reports (where available) were reviewed to identify and define the existing infrastructure assets. These reports provided insights into the gaps and deficiencies in the current infrastructure and helped in formulating appropriate strategies for improvement. Further, sectoral plans for infrastructure investments were carefully reviewed to ensure synchronization with the target level of service.

Additionally, community consultative sessions were conducted to gather valuable insights into the needs and desires of the local community. Furthermore, it was made a priority to consult with the management and staff of the respective MCs during our field visits. Please refer **Annexure F** for details.

#### 4. Identification of Projects

Once the inventory and performance targets were updated, project proposals were developed to bridge the service delivery gap. Project were identified based on asset types, for rehabilitation/replacement of existing assets or the creation of new assets. The project proposals encompassed project identification, preparation, and appraisal, ensuring that steps were taken to achieve the target LOS.

Preliminary estimates for capital expenditure and Operating and Maintenance (O&M) costs of identified projects were made. Considering the project scope, capital cost of the projects incorporated both the initial one-off costs such as engineering cost, project construction cost, development cost, procurement cost of equipment, machinery & other assets, utility set up cost, and any other costs to be incurred during the construction period. O&M cost to be incurred during operational phases of the project, which included preventive maintenance cost, electricity and other utility cost, administrative expenses, payroll cost and other overheads etc.

Following matrix is used for the computation of O&M costs:

Sr.	Sectors/ Projects	Annual O&M Cost (%age of Capital Cost)
1	Water Supply	5%
2	Filtration Plants/OHR	10%
3	GST (Ground Storage Tank)	2.50%
4	Sewerage Network	2.50%
5	Roads	5%
6	Street Lights	2.50%
7	Parks, Playgrounds, Open Spaces	2.50%
8	Buildings	0.5%
9	Bus stand	2.50%
10	Slaughterhouse	2.50%
11	Storm water drainage;	1%
12	Municipal libraries;	0.5%
13	Solarization	0.5%

#### 5. Financial Capacity Analysis

Analyzing potential financial sources was a crucial step to finance capital investments. This involved examining local capital revenues, planned operating surplus, provincial government transfers, and donor grants as potential funding sources. This analysis provided insights into the available financial capacity to support selected projects, guiding decision-making regarding project selection and phasing.

#### 6. Project Screening & Phasing

Projects were screened and phased over a three-year period based on specific criteria. Projects were evaluated against each of the following factors and assigned scores:

- Project purpose and service delivery improvement
- Public Response/Community and citizens feedback
- Environment and Social Impacts
- Socio-economic impacts analysis
- Ease of implementation

Relative scoring criteria was used for the phasing, wherein projects achieving the highest scores are prioritized in the first year, subject to the availability of finances. Similarly, the scores are reviewed to determine the phasing of projects in the second and third years. This approach ensures the prioritized implementation of projects based on their relative merits.

#### 1.4. Technical Inputs, Assumptions and Limitations

- The initial information of existing assets was obtained from PMDFC and MC Jhang. The data was obtained from multiple sources including Asset Management Information System. Additionally, energy audit reports, shape files, and gap analysis reports were also used to supplement the initial information.
- Asset inventory forms were designed to compile the asset attribute and condition information in consultation with the PMDFC management. The baseline data used for carrying out the condition assessment of assets was sourced from various reports provided by the PMDFC and MC Jhang. It primarily consisted of information related to the existing assets, including their names, numbers, residual life, technical specifications and other attributes of assets.

- Site surveys were also conducted to verify the information and collect any missing information. The compiled information was then shared with the MC Jhang management for their verification and endorsement.
- Age was the primary factor considered for assessing the condition of the water and sewerage network.
- The capital cost estimates of the assets have been derived from data provided by the concerned MC staff, in addition to leveraging the technical consultant's expertise gained from previous experience with similar projects.
- The determination of the current and target level of service has been formulated through a consultative process involving relevant MC staff, and the analysis of data obtained from energy audit reports and gap analysis reports. For the computation of current level of service, following sources were consulted:
  - Served and built-up areas for different sectors were calculated from the relevant sectors' maps;
  - Total population of MC was taken from the census report of Pakistan Beuro of Statistics (PBS) while applying popupation growth rates for the incremental period;
  - Daily water supplied to the distribution system was calculated on the basis of capacity of tubewell and average daily operational hours of tubewell;
  - Non revenue water was computed by considering actual revenue collected by MC and total connections in the served area;
  - Total number of pipe leakages of the water distribution network was computed on the basis of number of complaints received by MC. It was assumed that one complaint represented one pipe leakage;
  - Total number of sewerage blockages was computed on the basis of number of complaints received by MC. It was assumed that one complaint represented one sewerage blockage; and
  - The total annual operating expenses for each sector were determined based on the expenditure report provided by the MC staff, which covered nine (9) months' worth of data. To obtain the annual operating expenses, an extrapolation method was used to estimate the remaining three (3) months' expenditures.
- Target level of services were determined considering the findings from condition assessment, findings of energy audit reports, findings from gap analysis reports, consultative sessions with MC management and community.
- PMDFC has actively engaged in community consultative sessions to gather valuable insights into the needs and desires of the local community.
   Furthermore, we have made it a priority to consult with the management and staff of the respective Municipal Committees (MCs) during our field visits. This collaborative approach has allowed us to gain valuable perspectives from those directly involved in the day-to-day operations of the MCs

and the feedback and insights gathered from these consultative sessions, both with the community and MC stakeholders, have been carefully analyzed and incorporated into the IDAMPs of the respective MCs.

- Projects (repair/ rehabilitation/ new creation) were identified in consultation with the respective Asset Managers keeping in view the service delivery gaps.
- Rrough cost estimates (Capital and Operational & Maintenance) was performed on the basis of Market Rating System (MRS) and Non MRS rates of items.
- Identified projects were evaluated on the basis of project screening and phasing criteria prescribed in the IDAMP Framework.
- The cost and book values of the MC assets have been claculated by PMDFC staff.

# **Overview – Municipal Committee Jhang**

### Section 2. Overview – Municipal Committee Jhang

#### 2.1. Introduction

The city of Jhang is situated at 72°-20' East and 31°-16' north at a distance of 92 km from Faisalabad, and 252 km from Lahore. It is the 15th largest city of Pakistan by population. Jhang city is situated on the left bank of the river Chenab at a distance of about 11 Kilometers from its bed. The city is subdivided into 14 Union Councils.

Municipal Committee Jhang facilitates its citizen towards sustainable economic growth, infrastructure development, social development and municipal services excellence. MC Jhang promises to provide the basic amenities to general public with full dedication, commitment and exuberance and always striving hard to create business conducive environment, Citizen Centric (Baldia to Citizen) environment and implementation of E-Governance initiatives. MC Jhang plans to establish orderly development, well maintained infrastructure and efficient delivery of social services to its people.1

#### 2.2. Functions of Municipal Committee Jhang

Section 31(p) of the Local Government Act, 2022, the Municipal Committees to provide, manage, operate, maintain and improve municipal infrastructure and services, including:

- water supply and control and development of water sources
- sewage and sewage treatment and disposal
- storm water drainage
- sanitation and solid waste collection and disposal of solid wastes, treatment and disposal including landfill site and recycling plants
- roads and streets
- public transport and mass transit systems, construction of express ways, flyovers, bridges, roads, under passes, traffic planning, engineering and management including traffic signaling systems, signs on roads, street markings
- firefighting

<sup>&</sup>lt;sup>1</sup> https://mcjhang.lgpunjab.org.pk/

- street lighting
- parks, playgrounds, open spaces
- parking stands
- graveyards
- arboriculture/ tree afforestation;
- parking places;
- transport stations, stops, stands and terminals;
- slaughterhouses;
- municipal libraries;
- community and cultural centers;
- land use planning;
- building control; and
- environmental protection

# **O** Existing Asset Inventory Analysis

## Section 3. Existing Asset Inventory Analysis

Over the years, MC Jhang has accumulated a large inventory of assets through development schemes and direct procurements. However, a centralized record of assets had not been maintained due to absence of a proper asset management system. Furthermore, as the development work used to be carried out through 'schemes', the asset generated through schemes could not be identified and classified into appropriate asset categories.

#### 3.1. Existing Assets Summary

The summary of existing assets of MC Jhang based on its' functions is presented below:

Sr No.	Asset Category	Asset Sub-Category	Unit	Total
		Tube wells	No.	4
		Water Supply Network	Meter	3520
1	Water Supply System	OHR	No.	3
		Filtration Plants	No.	13
		Movable Assets (Vehicles/Machinery)	No.	2
		Sewerage Network	Meter	124337
2	Sewerage System	Disposal Stations	No.	13
		Movable Assets (Vehicles/Machinery)	No.	86
3	Recreational	Park	No.	8
4	SWM Resource	Dumping Site	No.	2
4		Movable Assets (Vehicles/Machinery)	No.	645
5	Bus Stands	Bus Stand	No.	1
		Offices	No.	2
6	Buildings	Residential Building	No.	16
		Shops	No.	314
7	Public Places	Slaughter Houses	No.	3

#### **Table 1: Asset Summary**

Sr No.	Asset Category	Asset Sub-Category	Unit	Total
		Others	No.	0
8	Land	Open Plot	No.	50
9	Street Lights	Street Lights	No.	6072
10	Roads	Roads	Km	56.45
11	Office Vehicles	Office Vehicles	No.	3

The detail of the assets is provided in the **Annexure A**.

#### **3.2.** Condition of Existing Assets

The condition of assets of MC is presented below:

#### **Table 2: Condition of Existing Assets**

		Asset Condition						
Asset Category	Asset Sub-Category	Excellent (A)	Good (B)	Fair (C)	Poor (D)	Failing (E)	Unit	Total
	Tube wells			3		1	No.	4
	Water Supply Network					3520	Meter	3520
Water Supply System	OHR			2		1	No.	3
water supply system	Filtration Plants			1	7	5	No.	13
	Movable Assets (Vehicles/Machinery)		2				No.	2
	Sewerage Network	27815	52341	44181			Meter	124337
Sewerage System	Disposal Stations		2	6	3	2	No.	13
	Movable Assets (Vehicles/Machinery)		51	35			No.	86
Recreational	Park	1	7				No.	8
SWM Resource	Dumping Site				2		No.	2

		Asset Condition						
Asset Category	Asset Sub-Category	Excellent (A)	Good (B)	Fair (C)	Poor (D)	Failing (E)	Unit	Total
	Movable Assets (Vehicles/Machinery)	454	173	13	5		No.	645
Bus Stands	Bus Stand			1			No.	1
	Offices		2				No.	2
Buildings	Residential Building			16			No.	16
	Shops		314				No.	314
Dublic Diseas	Slaughter Houses				3		No.	3
Public Places	Others						No.	0
Land	Open Plot		50				No.	50
Street Lights	Street Lights	2896				3176	No.	6072
Roads	Roads		6.75		49.7		Km	56.45
Office Vehicles	Office Vehicles			2		1	No.	3

# **1** Level of Services (LOS)

## Section 4. Level of Services (LOS)

Assets are planned and managed for the service delivery to the consumers. Therefore it is pertinent to assess the current service level and set out the desired service level over a certain period by keeping in view the community needs and demands. In order to measure the service levels, indicators are designed on which periodic assessments of the levek of service are carried out.

A set of Level of Service (LOS) indicators has been prescribed for the MCs for achievement of the service delivery objectives. The MCs shall compute their existing LOS and set the target LOS for the next three years. Target LOS shall be used as key performance indicators to assess the performance of assets and monitor the extent of service delivery by the MCs.

The Current and Target level of service for MC Jhang are provided here under:

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS	Projects Name	Timeframe (FY)
	Water Supply Coverage %	Percentage of area, where water supply network is available in comparison to total built up area.	11%	11%		
Water supply and	Water production GPCD	Total daily water supplied to the distribution system (ex-treatment plant and including purchased water, if any) expressed by population served per day.	0.8	0.8		
control and development of water sources;	Non-revenue water %	Difference between total water produced (ex - treatment plant) and total water sold expressed as a percentage of total water produced.	100%	100%		
	Pipe breaks (Leakages/Breaks /Km)	Total number of pipe leakages/breaks per year expressed per km of the water distribution network.	N/A	N/A		
	Unit operational cost - water produced (gross production cost) (PKR)	Total annual operating expenses divided by the total annual water of water produced.	0.08	0.06	Solarization of Tube wells and	2023-2024

#### Table 3: Current & Target LOS

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS	Projects Name	Timeframe (FY)
					Water Supply System	
	Water supply staff per 1000 water connections (Number)	Total number of water supply staff expressed as per thousand water connections.	26	26		
	Salary cost as proportion of Operating costs	Total annual salary costs (including salaries, wages, pensions, other benefits, etc.) Expressed as a percentage of total annual operating costs.	72%	72%		
	Power and Electricity Costs as proportion of Operating Costs	Total annual power/electricity costs of the utility expressed as a percentage of total annual operating costs.	17%	14%	Solarization of Tube wells and Water Supply System	2023-2024
	Unfit water samples % (not conforming with the requirements of NEQ)	Total number of unfit water samples (not conforming with the requirements of NEQ) expressed as a percentage of total samples taken	N/A	Compliance with NEQ standards i.e., potable water	Rehabilitation of filtration Plant	2023-24
	Continuity of Service Hrs. / Day	Average hours of service per day for water supply. (Average operational hours of tube well per day)	6	6		
	Water Supply Complaints %	Total number of water supply complaints per year expressed as a percentage of the total number of water supply connections.	N/A	Reduced during to improved water quality	Rehabilitation of filtration Plant	2023-24
Sewage and sewage treatment and disposal;	Sewerage Coverage %	Population with sewerage services (direct service connection) as a percentage of the total population. (Total served area as a percentage of the total built up area)	51%	70%	Improvement of Sewerage System in Jhang City and Construction of Wastewater Treatment Plant (WWTP)	2023-2026

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS	Projects Name	Timeframe (FY)
	Risk of crown failure	Whether there is an indication of crown failure?	Yes	Reduced to NIL	Rehabilitation and improvement of sewerage system in Jhang city	2023-2025
	Sewerage blockages (Blockages/KM)	Total number of blockages/ complaints per year expressed per km of sewers	31	10		
	Sewerage staff per 1000 sewerage connections (Number)	Total number of sewerage staff expressed as per thousand sewerage connections	0.79	0.79		
	Wastewater Treatment – Primary (%)	Proportion of collected sewage that receives primary treatment only, i.e., involving settlement with the intention of removing solids, but not biological treatment. Both lagoon and mechanical treatment can be included, where appropriate.	0%	40%	1. Improvement of Sewerage System in Jhang City and Construction of Wastewater Treatment Plant (WWTP)	2022 2026
	Wastewater Treatment – Secondary (%)	Proportion of collected sewage that receives at least secondary treatment, i.e., removing oxygen demand as well as solids, normally biological. Both lagoon and mechanical treatment can be included, where appropriate.	0%	40%		2023-2026
	Sewerage Complaints (%)	Total number of sewerage complaints per year expressed as a percentage of the total number of sewerage connections.	.73%	.25%	<ol> <li>2. Rehabilitation and improvement of sewerage system in Jhang city.</li> <li>3. SCADA system for disposal stations.</li> </ol>	2023-2025 2023-2024
Storm water drainage;	Storm water drainage coverage (%)	The percentage of MC area that the drainage system protects from flooding.	51%	70%	Improvement of Sewerage System	2023-2026

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS	Projects Name	Timeframe (FY)
					in Jhang City and Construction of Wastewater Treatment Plant (WWTP)	
	Collection efficiency (%)	Total amount of solid waste collected expressed as a percentage of total solid waste produced.	74%	85%		
	Disposal efficiency (%)	Total amount of solid waste disposed off expressed as a percentage of total solid waste collected.	100%	100%		
	Door-to-door %	Percentage of area with door-to-door solid waste collection.	0%	0%		
	Primary SWM Coverage each day in localities %	Percentage of area from which the sanitary staff sweeps & collects waste each day	51%	51%		
Sanitation and <b>solid</b> waste collection and	Primary SWM Coverage each day in Roads %	Primary SWM Coverage each day in Roads	55%	55%		
disposal of solid wastes, treatment	Open Collection Points (Number)	Open Collection Points	157	157		
and disposal including landfill site	Secondary collection machinery (Number)	Secondary collection machinery	NIL	NIL		
and recycling plants;	Adequacy of parking facilities for SWM vehicles	Adequacy of parking facilities for SWM vehicles	Yes	Yes		
	Waste transported in covered vehicles	Waste transported in covered vehicles	NIL	NIL		
	Sufficiency of existing dumping area (Landfill site).	Sufficiency of existing dumping area (Landfill site).	Yes	Yes		
	Mechanism for Final Disposal	Is there any mechanism for final disposal?	No	No		

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS	Projects Name	Timeframe (FY)
	Roads with condition "A" (Excellent) %	Total number of roads with condition "A" expressed as a percentage of total roads.	0%	0%	A) Improvement and Rehabilitation of Roads in MC Jhang	
	Roads with condition "B" (Good) %	Total number of roads with condition "B" expressed as a percentage of total roads.	12%	40%	B) Beautification of Chowks. C) Rehabilitation of Roads(Tuff Paver) in MC	
	Roads with condition "C" (Fair) %	Total number of roads with condition "C" expressed as a percentage of total roads.	0%	0%	Jhang. D) Improvement	2023-2024
Roads and streets;	Roads with condition "D" (Poor) %	Total number of roads with condition "D" expressed as a percentage of total roads.	88%	60%	& Rehabilitation of 07 Nos. Chowks in MC	
	Roads with condition "E" (Failing) %	Total number of roads with condition "F" expressed as a percentage of total roads.	0%	0%	E) Rehabilitation, Improvement and Beautification of Walls (Package-2) in MC Jhang	
	Beautification of chowks %	Number of chowks having monuments expressed as a percentage of total chowks				
	Streetlight coverage. (%)	Percentage of area/roads with streetlights.	N/A	Same as before		
Streetlighting;	Working Streetlight %	Percentage of working streetlights as of total streetlights.	48%	100%	Provision and installation of Street Lights in Jhang City	2023-2024
Parks, Playgrounds, Open spaces;	Open spaces as percentage of total MC area. %	Open spaces as percentage of total MC area. %	1.3%	0%		

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS	Projects Name	Timeframe (FY)
	Playgrounds as percentage of total MC area. %	Playgrounds as percentage of total MC area. %	0%	0%		
	Parks with condition "A" (Excellent) %	Parks with condition "A" expressed as a percentage of total parks.	0%	60%		
	Parks with condition "B" (Good) %	Parks with condition "B" expressed as a percentage of total parks.	40%	30%	A) Rehabilitation of Dhaji Park for	
	Parks with condition "C" (Fair) %	Parks with condition "C" expressed as a percentage of total parks.	20%	10%	Female in Jhang City	2023- 2026
	Parks with condition "D" (Poor) %	Parks with condition "D" expressed as a percentage of total parks.	40%	0%	B) Rehabilitation of Ganda Toya	
	Parks with condition "E" (Failing) %	Parks with condition "E" expressed as a percentage of total parks.	2%	0%		
	Parks as percentage of total MC area. %	Parks as percentage of total MC area. %	0.2%	0.2%		
	Graveyards as percentage of total MC area. %	Graveyards as percentage of total MC area. %	1.6%	1.6%		
	Graveyards with condition "A" (Excellent) %	Total area of graveyards with condition "A" expressed as a percentage of total area of graveyards.	0%	0%		
Graveyards;	Graveyards with condition "B" (Good) %	Total area of graveyards with condition "B" expressed as a percentage of total area of graveyards.	100%	100%		
	Graveyards with condition "C" (Fair) %	Total area of graveyards with condition "C" expressed as a percentage of total area of graveyards.	0%	0%		

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS	Projects Name	Timeframe (FY)
	Graveyards with condition "D" (Poor) %	Total area of graveyards with condition "D" expressed as a percentage of total area of graveyards.	0%	0%		
	Graveyards with condition "E" (Failing) %	Total area of graveyards with condition "E" expressed as a percentage of total area of graveyards.	0%	0%		
Transport stations, stops, stands and	Ratio of bus stations to the total length of roads	Ratio of bus stations to the total length of roads	`1:56.45	`1:56.45		
terminals;	Adequacy of facilities at bus stands	Adequacy of facilities at bus stands	No	Yes	Improvement and Rehabilitation of Bus Stand	2025-2026
	Adequacy of slaughterhouses	Adequacy of slaughterhouses keeping in view the population of the MC	No	Yes	Rehabilitation of slaughterhouse	2023-2026
Slaughterhouses;	Adequacy of facilities in slaughterhouses	Adequacy of facilities in slaughterhouses in terms of tools, disinfectants, refrigeration/ storage systems, drainage, and disposal facility, etc.	No	Yes		
	Total number of Libraries per 100,000 persons	Total number of Libraries per 100,000 persons	0.18	0.18		
Municipal libraries;	Adequacy of facilities in library	Adequacy of facilities in library in terms of books, computers, furniture, air-conditioning, lighting, drinking water etc.	Yes	Yes		
Puildings	Buildings with condition "A" (Excellent) %	Total number of buildings with condition "A" expressed as a percentage of total number of buildings.				
Buildings Buildings with condition "B" (Good) %		Total number of buildings with condition "B" expressed as a percentage of total number of buildings.	11%			

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS	Projects Name	Timeframe (FY)
	Buildings with condition "C" (Fair) %	Total number of buildings with condition "C" expressed as a percentage of total number of buildings.	89%			
	Buildings with condition "D" (Poor) %	Total number of buildings with condition "D" expressed as a percentage of total number of buildings.				
	Buildings with condition "E" (Failing) %	Total number of buildings with condition "E" expressed as a percentage of total number of buildings.				
	Solar Penetration Index (SPI) %	The Solar Penetration Index (SPI) measures the percentage of MC office buildings that have successfully undergone solarization.	0%	100%	Solarization of the municipal buildings	2023-24

#### Notes:

- While achieving the target level of service, MC shall ensure conformance with applicable laws and regulations including but not limited to land use planning, building control, environmental and social considerations.
- Environmental and social considerations are provided in Annex E.
- Comprehensive list of LOS indicators is provided in IDAMP Framework, please refer to section 5, however, certain LOS indicators are not applicable to MC such as metered water connections, firefighting coverage etc.
- For certain service levels, the existing level of service is sustained during the term of IDAMP i.e. three years, despite the recognized need for enhancements. This circumstance arises due to various factors, including but not limited to funding constraints, the reluctance of asset owners to initiate required modifications and the lack of suitable land availability. Nevertheless, it is crucial to emphasize that the preparation and revision of

the IDAMP is an ongoing process. As a result, the target level of service in these areas may be redefined in the future, facilitating the implementation of potential improvements.

- The calculation of daily water supplied to the distribution system has considered the capacity of tubewells, in combination with the average hours of service per day for water supply.
- In order to reduce the reduction in non-revenue water, certain initiatives are required such as capacity building for MC staff, the installation of water meters, tariff revisions, regulatory reforms, among other measures. It's important to note that the percentage of non-revenue water may not necessarily improve solely with an increase in water production.
- As regards to landfilling, developing regional landfill sites, rather than smaller units for each city, would be advisable.



## **Section 5. IDAMP Projects**

Based on the asset condition analysis and target level of services, the following projects have been identified in respect of various asset categories. Preliminary cost estimates for the project, encompassing both capital and operational & maintenance expenses, were calculated using the current Market Rating System (MRS) and Non-MRS rates for items. It's important to note that this estimation does not factor in inflation. Further, Dathe coding scheme adopted to allot codes to the projects and the proposed projects' screening and phasing evaluation is given in Annexure B and C respectively.

Table	4:11	DAMP	Pro	jects
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				Total	2023-2	24	2024-	-25	202	5-26	Project
Sr. No.	Project ID	Project Name	Asset Category	Capital Cost	Capital	O&M	Capital	O&M	Capital	O&M	Screening
							(Millions)				(Score)
1	02-09-01-04-01	Rehabilitation of filtration Plant	Water Supply	14.00	14.00	1.40		1.40		1.40	84
2	02-09-01-04-02	Rehabilitation and Improvement of water supply system	Water Supply	50.00	50.00	2.50		2.50		2.50	84
3	02-09-01-06-01	Construction of Underground Water Storage Tank	Water Supply	200.00	50.00		100.00		50.00	5.00	84
4	02-09-02-02-01	Rehabilitation and improvement of sewerage system in Jhang city	Sewerage Network and Disposal Station	198.60	132.40		66.20	4.96		4.96	84
5	02-09-02-02-02	Improvement of Sewerage System in Jhang City and Construction of Waste Water Treatment Plant (WWTP)	Sewerage Network and Disposal Station	2,557.84	1,278.92		1,278.92	63.95		63.95	88
6	02-09-04-01-01	Improvement and Rehabilitation of Roads in MC Jhang (Asphalt)	Road & Street	314.67	314.67	15.73	-	15.73		15.73	86

				Total	2023-2	24	2024	·25	202	5-26	Project
Sr. No.	Project ID	Project Name	Asset Category	Capital Cost	Capital	O&M	Capital	O&M	Capital	O&M	Screening
							(Millions)				(Score)
7	02-09-04-01-02	Improvement and Rehabilitation of Roads in MC Jhang (Tuff Pavers)	Road & Street	147.13	147.13	7.36	-	7.36		7.36	86
8	02-09-04-01-03	Beautification of Chowks	Road & Street	41.40	41.40	2.07		2.07		2.07	81
9	02-09-04-01-04	Rehabilitation of 5 Existing Green Belts	Road & Street	18.14			18.14	0.45		0.45	68
10	02-09-04-01-05	Improvement and Rehabilitation of Chowks in MC Jhang	Road & Street	52.83			52.83	2.64		2.64	68
11	02-09-04-03-01	Provision and installation of Street Lights in Jhang City	Street Lights	7.25	7.25	40.57		40.57		40.57	84
12	02-09-05-01-01	Rehabilitation of Dhaji Park for Female in Jhang City	Parks, Playgrounds, Open spaces	21.90	21.90	0.55		0.55		0.55	82
13	02-09-05-01-02	Rehabilitation of Ganda Toya	Parks, Playgrounds, Open spaces	21.90					21.90	0.55	59
14	02-09-05-04-01	Improvement and Rehabilitation of Bus Stand	Transport station, stops, stands and terminal	695.55					695.55	34.78	62
15	02-09-05-06-01	Rehabilitation of slaughter house	Slaughterhouse	175.00	58.33		58.33		58.33	4.38	87
16	02-09-06-01-01	Solarization of the municipal buildings	Buildings	50.00	50.00	0.25		0.25		0.25	80
17	02-09-01-01-01	Solarization of Tube wells and Water Supply System	Water supply	180.00	180.00	0.90		0.90		0.90	87

				Total	2023-2	24	2024-	-25	202	5-26	Project
Sr. No.	Project ID	Project Name	Asset Category	Capital Cost	Capital	O&M	Capital	O&M	Capital	O&M	Screening
							(Millions)				(Score)
18	02-09-01-04-03	Provision of Mobile Ultra Filtration Plants (02) for Disaster Management	Water Supply	6.50	6.50	0.65		0.65		0.65	80
19	02-09-02-02-03	SCADA system for disposal stations	Sewerage Network and Disposal Station	75.00	75.00	1.88		1.88		1.88	80
20	02-09-04-01-06	Rehabilitation of Roads(Tuff Paver) in MC Jhang.	Road & Street	147.13	147.13	7.36		7.36		7.36	80
21	02-09-04-01-07	Improvement & Rehabilitation of 07 Nos. Chowks in MC Jhang	Road & Street	47.02	47.02	2.35		2.35		2.35	80
22	02-09-04-01-08	Rehabilitation, Improvement and Beautification of Walls (Package-2) in MC Jhang	Road & Street	29.50	29.50	1.48		1.48		1.48	80
23	02-09-04-01-09	Fixing Roads and Street Signs in Jhang City	Road & Street	49.58	49.58	2.48		2.48		2.48	80
24	02-09-04-01-10	Rehabilitation of 5 Nos Green Belts in Jhang city	Road & Street	18.14	18.14	0.91		0.91		0.91	80
25	02-09-03-03-01	SWM Vehicle Parking Shed	Solid Waste Management System	83.90	83.90	3.0		3.0		3.0	80
26	02-09-02-02-04	Energy Management Plan	Water Supply	3.64	3.64	0		0		0	80
	Total			5,206.60	2,806.40	91.42	1,574.42	163.43	825.78	208.13	

#### 5.1. Detail of proposed projects:

The following section provides high-level particulars of the identified projects, serving as a point of reference for creating planning documents and PC forms<sup>2</sup>: Table 5: Projects Detail

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
1	Water Supply	Rehabilitation of filtration Plant	Improve water quality standards. Increase the capacity of the filtration system. Reduce maintenance and operating costs. Improve the reliability of the filtration system. Extend the lifespan of the filtration system. Ensure compliance with regulatory requirements. Enhance public health and safety. Increase the efficiency of the filtration process. Reduce the risk of waterborne illnesses. Improve the overall performance of the filtration system.	Replacement of filters, vessels membranes, some taps and some civil works	14	1.4	All Filtration Plants in Jhang City
2	Water Supply	Rehabilitation and Improvement of water supply system	<ol> <li>1) Rehabilitation of the components of existing water supply system to attain full efficiency out of these installations.</li> <li>2) Supply of adequate quantity of water in water shortage areas.</li> <li>3) Improvement of service delivery level in the entire city.</li> <li>4) Augmentation of the source capacity</li> </ol>	Replacement of outlived water supply distribution system, Rehabilitation of Tubewells.	50	2.50	Jhang City

<sup>&</sup>lt;sup>2</sup> <u>https://www.pc.gov.pk/web/downloads/pc</u>

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
			<ul> <li>5) Equal distribution of water in the entire system</li> <li>6) Improvement of terminal pressure at remote ends of the distribution system</li> <li>7) Reduction of water borne diseases.</li> <li>8) Improvement in local and province economy.</li> </ul>				
3	Water Supply	Construction of Underground Water Storage Tank	The main objectives are - To supply safe drinking water in sufficient quantity at doorsteps of consumers with reasonable cost - Encouraging personal hygiene and household cleanliness of users - Reduction of water borne diseases - Reduction in medical expenditures - Improvement in environment of the city	Design and Engineering Site Preparation Excavation and Earthwork Foundation Works Masonry Works Insulation Piping and Connection Concrete Works	200	5.00	Jhang City
4	Sewerage	Rehabilitation and improvement of sewerage system in jhang city	<ol> <li>Improvement of service delivery level of the sewerage sector for provision of better basic urban services for improved livability of the citizen.</li> <li>Reduction in surcharging and overflowing of sewers thus reducing waste water ponding in the city.</li> <li>Elimination of damages to public and private properties</li> <li>Elimination of traffic hazards created due to waste water flooding</li> <li>Provision of ease for pedestrians who are presently obstructed due to waste water ponding.</li> <li>Reduction of wear and tear of vehicles travelling in ponding areas 7. Provision of clean approach for the citizen for</li> </ol>	<ol> <li>Repair of Pump House Disposal Works Gharay Bhan</li> <li>Remaining work Pump House &amp; Screening Chamber at Disposal Works Tibba Sultan.</li> <li>Remaining work Pump House Disposal Works Basti Ghoghay Wali</li> <li>Missing Sewerlines of Disposal Works Tibba Sultan, Gadhian Wala &amp; Basti Ghoghay wali.</li> <li>Remaining work at Disposal Works Karma wala Town.</li> <li>Pumping Machinery of New Gadhian Wala, Tibba Sultan &amp; Goghay Wala</li> <li>Inter connections in disposal works</li> <li>Providing Installation MS Screens on</li> </ol>	198.595	4.96	Jhang City

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
			commercial and residential areas 8. Elimination of foul & obnoxious smell and suffocation created by waste water ponding 9. Reduction of water borne and water related diseases 10. Improvement of environments of the city 11. Improvement of local economy due to improved municipal infrastructure 12. Improvement in growth potential of the city due to improved municipal infrastructure and clean environments of the city.	all Disposal Works Jhang 9.Providing & Fixing Reinforced Plastic Composite (RPC) Manhole Covers 24" I/D With RPC Frame 10.200 KVA transformers 3 Nos including 11-KV Lines 11.Desilting of existing sewers 15" to 42" dia.			
5	Sewerage	Improvement of Sewerage System in Jhang City and Construction of Waste Water Treatment Plant (WWTP)	The Project comprises of the Replacement of old, outlived, damaged or worn-out components in existing infrastructure for; - • The existing sewerage system was laid against the Topographic conditions of the city. Hence, as soon the electric shutdown occurs the low-lying areas start overflowing. The resident of the areas is suffering bad environmental conditions and find difficult to move about in the waste water flooding. • To improve the service delivery by laying of trunk sewer according to topographic conditions. It will provide Improvement of service delivery level of the municipal services in the served	The rehabilitation of the system will comprise of below given components SN Components Quantity <b>1 RCC Sewers (Missing/Replaceme</b> nt) a) 12" I/d b) 15" I/d c) 24" I/d d) 27" I/d e) 30" I/d f) 33" I/d g) 36" I/d h) 42" I/d <b>2 Desilting of RCC Sewer Line</b> a) 12" I/d b) 15" I/d c) 18" I/d d) 21" I/d e) 24" I/d	2,557.84	63.95	Jhang City

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
			areas of the city for provision of better	f) 27″ I/d			
			basic urban services for improved	g) 30″ I/d			
			livability of the citizen.	h) 33" I/d			
			The new system is proposed to reduce	i) 36″ I/d			
			in annual O&M cost of the infrastructure	j) 42″ I/d			
			due to reduced repairs in the	3 RPC Manhole covers 1500 Nos			
			forthcoming years because of repair or	4 Pumping Machinery			
			replacement of infrastructure	Centrifugal sullage pumping units			
			components.	6 Cusecs capacity			
			The major areas which are adjacent to	5 cusecs capacity			
			main roads are without any proper	3 cusecs capacity			
			sewerage having surface drainage system	Disposal Stations			
			and resultantly, overflow occurred on	Upgradation/rehabilitation of existing			
			main road and destroy the road	disposal station (Civil Works)			
			infrastructure. The residents as well as	Transformer set 200 KVA			
			the transport are suffering badly. The				
			trunk sewer on these areas are	The newly proposed system in Zone-			
			proposed. A disposal station namely	1will comprise of the below given			
			"Farooqabad disposal station" is located	components:			
			in the thickly populated area and the	RCC sewers			
			outfall drain is passing in public land. The	a) 12″ l/d			
			owner of the lands has inhabited their	b) 15″ I/d			
			lands and drain has been converted into	c) 18″ I/d			
			a pipeline which is not taking full	d) 21″ l/d			
			discharge and under these conditions the	e) 24" I/d			
			disposal station cannot be operated at	f) 30″ I/d			
			full pumping capacity. As such waste	g) 36″ I/d			
			water flooding is taking place in the	h) 42″ l/d			
			commanded areas. Municipal Committee	i) 48″ I/d			
			has installed number of dewatering sets	j) 60" I/d			
			on different locations. On one side the	2 Disposal Station			
			environments are totally7 deteriorated	Screening chamber			
			whereas on the other side huge financial	Collecting tanks			

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
			<ul> <li>burden is laid on Municipal Committee due to operation of these dewatering sets.</li> <li>On completion of scheme about to main disposal stations i.e., Farooqabad and Khokaran along with 15 dewatering sets will be eliminated and sewage water flow by gravity. It will cause in reduction and prompt addressal of the public complaints regarding municipal service delivery.</li> <li>The major areas are without sewer along the planned route of trunk sewer which will be benefited with sewerage facility and environmental condition will be improve.</li> <li>The provide the wastewater treatment facility for reduction of BOD to bring the effluent within permissible limits of the</li> </ul>	Pump house <b>3 Pumping machinery</b> No clogging cardon shaft sullage pumping units 15 Cusecs capacity 8 cusecs capacity 4 <b>Drain from disposal works to waste</b> <b>water</b> treatment plant 5 Transformer 630 KVA 6 Diesel Generating set 650 KVA 1 No 7 Change over switch 8 LT Control Panel with 5 MCUs <b>3-Waste water Treatment Plant</b> <b>comprising of:</b> a) Sullage channel = One No b) Screening Chamber = 1 No c) Anaerobic ponds = 4 Nos d) Facultative ponds = 4 Nos			
6	Roads	Improvement and Rehabilitation of Roads in MC Jhang (Asphalt)	<ul> <li>NEQSs and the treated water can used for irrigation.</li> <li>With the improvement of environmental standards, the growth potential and the local economy of the city will be improved.</li> <li>The Project has the following objectives;</li> <li>Improvement of service delivery level of the municipal services in the sector of communication.</li> <li>Better travelling facilities for the commuters.</li> </ul>	<ul> <li>e) Sludge drying beds = 4 No</li> <li>f) Treated water pond = 1 No</li> <li>g) Administration block = 1 No</li> <li>h) Floating plants = 20% of Facultative ponds area</li> <li>i) Effluent water course = One No</li> <li>1. P7-College Chowk to Session Chowk</li> <li>2. P8-Kalma Chowk to Basti Faizabad</li> <li>Road</li> <li>3. P9-Model Bazar Road</li> </ul>	314.67	15.73	1. P7-College Chowk to Session Chowk 2. P8-Kalma Chowk to Basti Faizabad Road

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
			<ul> <li>4. Saving in travelling and repair cost of the vehicles.</li> <li>5. Reduction in annual maintenance charges of roads and parks</li> <li>6. Better lit roads and streets adding to security of people travelling at night.</li> <li>7. Improvement in environments of the city making them livable.</li> <li>8. Improvement in local and province economy.</li> <li>9. Improvement in the economic growth potential of the city.</li> </ul>				3. P9-Model Bazar Road
7	Roads	Improvement and Rehabilitation of Roads in MC Jhang (Tuff Pavers)	<ul> <li>The Project has the following objectives;</li> <li>1. Improvement of service delivery level of the municipal services in the sector of communication.</li> <li>2. Better travelling facilities for the commuters.</li> <li>3. Reduction in road accidents.</li> <li>4. Saving in travelling and repair cost of the vehicles.</li> <li>5. Reduction in annual maintenance charges of roads and parks</li> <li>6. Better lit roads and streets adding to security of people travelling at night.</li> <li>7. Improvement in environments of the city making them livable.</li> <li>8. Improvement in local and province economy.</li> <li>9. Improvement in the economic growth potential of the city.</li> </ul>	<ol> <li>P1-Station Chowk to Laila Majnu Gate</li> <li>P2-Darul Naimat Sweet Dhaji Road</li> <li>P3-Jhang Bazar Chowk to via Ghag Bazar, Akhara, Chirag Pehalwan &amp; Abbkari Road</li> <li>P4-Dhup Sarri Road</li> <li>P5-Hussainia School Civil Line Roads</li> <li>P6-Sargodha Road</li> </ol>	147.127	7.36	1. P1-Station Chowk to Laila Majnu Gate 2. P2-Darul Naimat Sweet Dhaji Road 3. P3-Jhang Bazar Chowk to via Ghag Bazar, Akhara, Chirag Pehalwan & Abbkari Road 4. P4-Dhup Sarri Road 5. P5-Hussainia School Civil Line Roads 6. P6-Sargodha Road
8	Roads	Beautification of Chowks	1.Landscaping: Planting trees, shrubs, and flowers to create greenery and add		41.4	2.07	Jhang City

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
9	Roads	Rehabilitation of 5 Existing Green Belts	<ul> <li>color to the chowks. This could include designing flower beds, creating vertical gardens on walls, and using natural elements such as rocks and boulders to create a natural landscape.</li> <li>2.Street furniture: Installing benches, streetlights, and other outdoor furniture to create a comfortable and inviting environment for people to sit, relax, and enjoy the surroundings.</li> <li>3.Art installations: Commissioning artists to create public art installations such as sculptures, murals, and mosaics to add a creative and unique touch to the chowks.</li> <li>1. The project's main objective is to rehabilitate the existing green belts with the upgradation to the existing &amp; new plantation to provide the local community a pleasant environment with all the allied beauty features.</li> <li>2. The project also aims to construct a green space equipped with all the facilities that should be provided in a thriving neighborhood.</li> <li>3. To create safe neighborhoods for the peoples.</li> <li>4. To create valuable green spaces.</li> <li>5. To enhances the aesthetic beauty of the city.</li> <li>6. To contribute the health and wellness of the community.</li> </ul>	The names of the Roads with green belts are mentioned below Sargodha Road Bhakkar Road Toba Road Rail Bazar to Mc Office Road Ayoub Chowk to Kuchery Road	18.14	.91	(Sargodha Road ,Bhakkar Road ,Toba Road ,Rail Bazar to ,Mc Office Road ,Ayoub Chowk to Kuchery Road)Jhang City

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
10	Roads	Improvement and Rehabilitation of Chowks in MC Jhang	<ul> <li>The Project has the following objectives;</li> <li>1. Improvement of service delivery level of the municipal services in the sector of communication.</li> <li>2. Better travelling facilities for the commuters.</li> <li>3. Reduction in road accidents.</li> <li>4. Saving in travelling and repair cost of the vehicles.</li> <li>5. Reduction in annual maintenance charges of roads and parks</li> <li>6. Better lit roads and streets adding to security of people travelling at night.</li> <li>7. Improvement in environments of the city making them livable.</li> <li>8. Improvement in local and province economy.</li> <li>9. Improvement in the economic growth potential of the city.</li> </ul>	<ul> <li>P7, P8, P9:</li> <li>1. Geometric Improvement</li> <li>1. Rehabilitation of Existing Pavement</li> <li>Structure</li> <li>3. Improvement of drainage system</li> </ul>	52.83	2.64	P7, P8, P9:,Jhang City
11	Streetlights	Provision and installation of Street Lights in Jhang City	Enhance public safety and security by providing adequate lighting. Improve visibility for motorists and pedestrians. Increase the overall quality of street lighting. Reduce energy consumption and operating costs. Promote energy efficiency and sustainability. Improve the aesthetics of the area. Enhance the functionality of the street lighting system. Improve reliability and reduce	Replacement of non-operational street lights	7.25	40.57	All major roads

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
12	Parks,	Rehabilitation of Dhaji Park for	maintenance downtime. Ensure compliance with regulatory requirements. Increase the lifespan of the street lighting system. 1.The project's main objective is to rehabilitate the existing park with the	Construction of Walkway Construction of Boundary wall	21.9	0.55	Dhaji Park,Jhang City
	Playgrounds, Open spaces	Engle in Jhang City	rehabilitate the existing park with the upgradation to the existing & new facilities to provide the local community a recreational space with all the allied facilities. 2. The project also aims to construct a green space equipped with all the facilities that should be provided in a thriving neighborhood. 3. To create safe neighborhoods for the people. 4. To create valuable green spaces. 5. To enhances the aesthetic beauty of the city. 6. To contribute the health and wellness of the community. 7. Ornamental plants, green areas & rain water harvesting structures.	Construction of Boundary Wall Construction of Main Gate Installation of Lights on with poles Installation of Children outdoor games Construction of Gazebos Provision of Benches Construction of Recharging well Plantation of Trees and Plants			Park, Jhang City
13	Parks, Playgrounds, Open spaces	Rehabilitation of Ganda Toya	<ol> <li>To reduce urban heat island effect.</li> <li>To provide active and passive recreational opportunities</li> <li>To contribute to the health and wellness of a community</li> <li>To create valuable green space</li> <li>To combat air pollution caused by</li> </ol>	<ul> <li>Boundary wall with iron grill</li> <li>Entrance gates</li> <li>Ramps for PWDs</li> <li>Tuff tile pathways</li> <li>Jogging track</li> <li>Landscaping</li> <li>Plantation/vegetation cover of</li> </ul>	21.90	0.55	Jhang City

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
			<ul> <li>vehicles and industries</li> <li>6. Improvement in environments of the city making them livable.</li> <li>7. Improvement in local and province economy.</li> <li>8. Improvement in the economic growth potential of the city</li> </ul>	<ul> <li>indigenous species</li> <li>Gazebos (4 Nos.)</li> <li>Public toilets</li> <li>Rainwater recharge well</li> <li>Shopping and sitting area</li> <li>Playing area for children</li> <li>Security guard room</li> <li>Grassing and flower beds</li> <li>Badminton Court (2 Nos.)</li> <li>Volley ball Court</li> <li>Kabaddi area</li> <li>Cricket/Football ground</li> <li>Gardener Room</li> <li>Prayer Room</li> <li>Store</li> <li>Bird cage</li> <li>Barbeque Pit (2 Nos.)</li> <li>Provision of lighting and electrical arrangements</li> <li>Construction of new water supply &amp; drainage system and connection with existing network</li> </ul>			
14	Bus Stand	Improvement and Rehabilitation of Bus Stand	<ol> <li>Provision of disciplined travelling facilities to the people.</li> <li>Provision of waiting facilities for the travelers in the form of respectable sitting, ablution &amp; prayer, drinking water, toilets, shopping and ticketing.</li> <li>Provision of car parking facilities to the public,</li> <li>Rickshaw stand facilities</li> <li>Revenue generation from shops and</li> </ol>	Percolation Well     '- General Bus Stand main building     along will all allied facilities     - Drainage System     - Illumination and electrical works     - Boundary wall and gates	695.55	17.39	Jhang City

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
15	Slaughterhouse	Rehabilitation of slaughter house	<ul> <li>parking lot</li> <li>6. Improvement in the air pollution in city area due to parking and waiting by the buses</li> <li>7. Reduction in the traffic congestion created by buses at various locations of the city</li> <li>8. Effective protection of the buses against the solar radiation and Ultraviolet rays, rain, hail, wind, and dust.</li> <li>9. Slowing down the deterioration of buses, therefore reducing the amount of maintenance.</li> <li>10. Improvement in the economic growth potential of the city.</li> <li>Ensure compliance with sanitation and hygiene standards.</li> <li>Improve the welfare and treatment of animals.</li> <li>Enhance public health and safety.</li> <li>Increase the efficiency of the slaughter process.</li> <li>Reduce operating costs and increase profitability.</li> <li>Upgrade facilities and equipment to meet modern standards.</li> <li>Minimize the impact on the environment.</li> <li>Ensure compliance with regulatory requirements.</li> <li>Improve working conditions for</li> </ul>	<ul> <li>Boundary wall and gate</li> <li>Doctor's room</li> <li>Slaughtering hall</li> <li>Evisceration hall</li> <li>Meet cutting room</li> <li>Blood collection arrangements</li> <li>Water supply systems</li> <li>Skin storage room</li> <li>Waste water disposal system</li> <li>Solid waste collection and disposal system</li> <li>Solid waste collection and disposal system</li> <li>Health and Hygiene SOPs</li> <li>Separate Facility for Sick Animals</li> <li>Tools Disinfectant System</li> </ul>	175.00	4.38	All three Slaughter Houses,Jhang City

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
			Improve the overall performance of the slaughterhouse.				
16	Buildings	Solarization of the municipal buildings	The primary objectives of solarization are as follows: a) Enhance Sustainability: By generating clean and renewable energy, the project can reduce its environmental impact and contribute to sustainable development. b) Reduce Carbon Footprint: Solar PV systems produce electricity with zero greenhouse gas emissions, helping to mitigate climate change and improve air quality. c) Cut Down Energy Costs: Utilizing solar energy can significantly reduce reliance on conventional grid electricity, resulting in long-term cost savings and improved financial viability.	Solarization of the municipal buildings based on the site load and installation capacity assessment	50	0.25	Jhang City
17	Water supply	Solarization of Tube wells and Water Supply System	<ul> <li>The primary objectives of solarization are as follows:</li> <li>a) Enhance Sustainability: By generating clean and renewable energy, the project can reduce its environmental impact and contribute to sustainable development.</li> <li>b) Reduce Carbon Footprint: Solar PV systems produce electricity with zero greenhouse gas emissions, helping to mitigate climate change and improve air quality.</li> <li>c) Cut Down Energy Costs: Utilizing solar energy can significantly reduce reliance on conventional grid electricity, resulting in long-term cost savings and improved financial viability.</li> </ul>	Solarization of the tubewells based on the site load and installation capacity assessment. Tubewell solarization project scope involves converting conventional water pumping systems into solar-powered ones to ensure sustainable and energy-efficient water supply for rural needs.	180	0.9	Jhang City

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
18	Water Supply	Provision of Mobile Ultra Filtration Plants (02) for Disaster Management	"Purifying the water takes less time because there is no significant apparatus involved. It is a transportable water treatment system that can be transported to any location inside a container, lowering the cost of purification plant setup and installation."	Mobile filtration plant for flood affected areas without the need of electricity	6.5	0.65	MC Jhang Office
19	Sewerage	SCADA system for disposal stations	For monitering and controlling of efficient working of all disposal Scda system would be required so that working hours of each pump will be moniter at a center point.	<ul> <li>"""Design and Installation of the following components:</li> <li>1-Instrumentation Inputs</li> <li>2-RTUs</li> <li>3-Radio/Cellular Telemetry</li> <li>4- SCADA Operator Terminal</li> <li>5-Alarming Monitoring</li> <li>6-Control System Adjustments</li> <li>7-Internet Browser</li> <li>8-Server HTML"""</li> </ul>	75	1.875	MC Jhang
20	Road & Street	Rehabilitation of Roads(Tuff Paver) in MC Jhang.	<ul> <li>"1. Improvement of service delivery level of the municipal services in the sector of communication.</li> <li>2. Better travelling facilities for the commuters.</li> <li>3. Reduction in road accidents.</li> <li>4. Saving in travelling and repair cost of the vehicles.</li> <li>5. Reduction in annual maintenance charges of roads and parks</li> <li>6. Better lit roads and streets adding to security of people travelling at</li> </ul>	Geometric Improvement, Rehabilitation of Existing Pavement Structure (Tuff Paver), Improvement of drainage system	147.127	7.35635	<ol> <li>Station</li> <li>Chowk to Laila</li> <li>Majnu Gate</li> <li>Darul</li> <li>Naimat Sweet</li> <li>Dhaji Road</li> <li>Jhang Bazar</li> <li>Chowk to via</li> <li>Ghag Bazar,</li> <li>Akhara, Chirag</li> <li>Pehalwan &amp;</li> <li>Abbkari Road</li> </ol>

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
21	Road & Street	Improvement &	night. 7. Improvement in environments of the city making them livable. 8. Improvement in local and province economy. 9. Improvement in the economic growth potential of the city." "1. Improvement of service delivery	Chowks Beautification			4. Dhup Sarri Road 5. Hussainia School Civil Lines Road 6. Sargodha Road
		Rehabilitation of 07 Nos. Chowks in MC Jhang	<ul> <li>level of the municipal services in the sector of communication.</li> <li>2. Better travelling facilities for the commuters.</li> <li>3. Reduction in road accidents.</li> <li>4. Saving in travelling and repair cost of the vehicles.</li> <li>5. Reduction in annual maintenance charges of roads and parks</li> <li>6. Better lit roads and streets adding to security of people travelling at night.</li> <li>7. Improvement in environments of the city making them livable.</li> <li>8. Improvement in local and province economy.</li> <li>9. Improvement in the economic growth potential of the city."</li> </ul>		47.02	2.351	<ol> <li>MCB Bank</li> <li>Chowk</li> <li>Circuit</li> <li>House Chowk</li> <li>Bund</li> <li>Chowk-1</li> <li>Khatme</li> <li>Naboowat</li> <li>Chowk</li> <li>Bund</li> <li>Chowk-2</li> <li>Educational</li> <li>Complex</li> <li>Chowk</li> <li>Adaywal</li> <li>Chowk</li> </ol>
22	Road & Street	"Rehabilitation, Improvement and Beautification of	<ol> <li>Improvement of service delivery level of the municipal services in the sector of communication.</li> <li>Better travelling facilities for the</li> </ol>	Wall Beautification/Rehabilitation	29.5	1.475	<ol> <li>Islamia High</li> <li>School</li> <li>Chowk</li> <li>Highway</li> </ol>

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
			<ul> <li>commuters.</li> <li>3. Reduction in road accidents.</li> <li>4. Saving in travelling and repair cost of the vehicles.</li> <li>5. Reduction in annual maintenance charges of roads and parks</li> <li>6. Better lit roads and streets adding to security of people travelling at night.</li> <li>7. Improvement in environments of the city making them livable.</li> <li>8. Improvement in local and province economy.</li> <li>9. Improvement in the economic growth potential of the city.</li> </ul>				Chowk 3. DC Chowk 4. Girls College Road Chowk 5. Session Chowk 6. DHQ Chowk
23	Road & Street	Fixing Roads and Street Signs in Jhang City	<ol> <li>Improvement of service delivery level of the municipal services in the sector of communication.</li> <li>Better travelling facilities for the commuters.</li> <li>Reduction in road accidents.</li> <li>Saving in travelling and repair cost of the vehicles.</li> <li>Reduction in annual maintenance charges of roads</li> <li>Better lit roads and streets adding to security of people travelling at</li> </ol>	<ol> <li>Rehabilitation of Existing Pavement Structure</li> <li>Pavement Marking</li> <li>Improvement of drainage system</li> <li>Street Light</li> </ol>	49.58	2.479	Jhang City

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
			night. 7. Improvement in environments of the city making them livable. 8. Improvement in local and province economy. 9. Improvement in the economic growth potential of the city.				
24	Road & Street	Rehabilitation of 5 Nos Green Belts in Jhang city	The Project has the following objectives; a) The project's main objective is to rehabilitate the existing green belts with the upgradation to the existing & new plantation to provide the local community a pleasant environment with all the allied beauty features. b) The project also aims to construct a green space equipped with all the facilities that should be provided in a thriving neighborhood. c) To create safe neighborhoods for the peoples. d) To create valuable green spaces. e) To enhances the aesthetic beauty of the city. f) To contribute the health and wellness of the community.	Clearing and leveling of existing areas for construction purposes. Installation of ornamental trees, flower beds, planters, and other aesthetic features. Implementation of safety measures, including fencing or barriers where necessary. Installation of water sprinkling systems to maintain greenery. Landscaping activities including soil preparation, planting, and maintenance. Introduction of landscape architecture for aesthetic enhancement.	18.138	0.9069	Jhang City

#### 5.2. Operations and Maintenance (O&M) Strategy:

The Operations and Maintenance (O&M) Strategy outlined in this Integrated Development and Asset Management Plan (IDAMP) ensures the effective management and sustainability of critical infrastructure assets, including sewerage, water supply, and solid waste machinery. Each component of the O&M strategy is designed to optimize asset performance and support ongoing service delivery.

#### **1. Sewerage Operations and Maintenance**

- **Preventive Maintenance**: Regular inspection, cleaning, and repair of sewer lines, manholes, and treatment facilities to prevent blockages and ensure uninterrupted flow.
- Emergency Response: Establishment of rapid response protocols for addressing sewerage system failures and overflows to minimize public health and environmental risks.
- **Pump Station Management**: Routine maintenance of sewerage pumping stations to optimize performance and extend equipment lifespan.
- Asset Monitoring: Implementation of real-time monitoring systems to track sewerage system performance and identify potential issues proactively.
- Budget Allocations: All O&M expenses for sewerage infrastructure are based on the IDAMP guidelines, with a detailed list of expenses provided in Annexure G,H &I.

#### 2. Water Supply Operations and Maintenance

- Water Quality Management: Regular testing and treatment of water sources to maintain compliance with quality standards and ensure safe drinking water supply.
- Distribution Network Maintenance: Inspection and repair of pipelines, valves, and pumps to minimize leaks and pressure fluctuations in the water distribution network.
- **Reservoir and Pump House Operations**: Scheduled maintenance of water reservoirs and pump houses to optimize operational efficiency and reduce energy consumption.
- Leak Detection: Utilization of advanced leak detection technologies to identify and repair water leaks promptly.
- **Budget Allocations**: O&M expenditures for water supply infrastructure are aligned with the IDAMP framework, as detailed in Annexure XYZ.

#### **3. Solid Waste Machinery Operations and Maintenance**

- Equipment Servicing: Routine servicing and lubrication of solid waste machinery, including compactors, shredders, and sorting equipment, to optimize performance and reduce downtime.
- Waste Collection Fleet Management: Maintenance and repair of waste collection vehicles to ensure reliable and efficient solid waste collection services.
- Landfill Management: Regular monitoring and maintenance of landfill sites to mitigate environmental impacts and ensure compliance with waste disposal regulations.
- Recycling Infrastructure Maintenance: Inspection and upkeep of recycling facilities and equipment to support sustainable waste management practices.
- Budget Allocations: O&M expenses related to solid waste management are calculated based on IDAMP guidelines, with a comprehensive breakdown
  provided in Annexure G,H &I..

In conclusion, the integrated Operations and Maintenance (O&M) Strategy within the IDAMP framework underscores our commitment to effective asset management and service delivery. By prioritizing preventive maintenance, rapid response capabilities, and continuous monitoring while aligning expenditures with the IDAMP, we ensure the long-term reliability and sustainability of essential infrastructure services. This proactive approach supports our mission to provide quality public services while optimizing resource utilization and minimizing operational risks.

# **6** Financial and Economic Analysis

#### Section 6. Financial and Economic Analysis

In this chapter, financial and economic analysis has been carried out for the new project proposed under IDAMP to assess its economic and financial viability and determine its do-ability by reference to its financial resources required next three financial years.

#### 1.1. Qualitative Assessment

The qualitative benefits of the proposed projects are as under:

- (i) **The benefits of municipal project Engines of Growth:** Among other benefits, municipal projects generate employment opportunities and create a positive impact on the standard of living. Few projects proposed under IDAMP are mega projects which would create their own economy, boast manufacturing & trading, create need for commerce value chain.
- (ii) Environmental Up-gradation: Development of wastewater treatment plant would provide primary and secondary treatment, thereby have a positive bearing on environment. Further, all projects will especially focus environmental considerations during construction and operational phases. Further green areas, trees and plantations will provide not only refreshing view but will enhance the environmental conditions and help climate stabilization.
- (iii) **Employment Opportunities:** The Project is likely to create employment opportunities for over 1,000 people during construction and about 500 people at operational stage in addition to indirect employment generation.
- (iv) **Improvement in Service Delivery of Water Supply:** Rehabilitation of filtration plants would improve the water quality for the target population, thus will help to improve public health index.
- (v) Saving in Fuel Consumption: Upon bus stand coming into operation, people will have access to much better managed public transport, people will be encouraged to use public transport over private transport. This shift will result in drastically decrease the use of fuel oil costing in Billions of rupees.
- (vi) **Rehabilitation of Parks Creation of Social Hub in the Locality:** These projects will provide a recreational facility to the residents of the catchment area of respective parks thus improve the visitors count of the parks and create social harmony and extended connectivity in the people.

- (vii) Improved Connectivity and Savings to Society Rehabilitation of roads infrastructure would not only improve the service delivery level of the municipal services but also result in few road accidents, potential savings in travelling and repair cost of the vehicles, reduction in annual maintenance charges of roads and parks. Moreover, better lit roads and streets would add to security of people travelling at night.
- (viii) Generation of Business Opportunities: Projects will open new corridors for small- and large-scale businesses right from the construction phase and onwards throughout the life of the Project.
- (ix) **Revenue Generation:** Local government is estimated to generate direct and indirect revenue from the projects.

#### 1.2. Quantitative Assessment of the Project

Various basis has been used, primarily relying on the results of the financial model which has been developed to conduct the financial analysis that assesses the viability and sustainability of this Project. Free Cash Flows (FCF) of the Project have been used to determine the key financial indicators of the projects.

Using the free cash flow model, given below are the key financial indicators for project appraisal:

- (i) **Net Present Value (NPV)** of the projects is calculated which represents in present value terms the net benefit that accrues from the Project after meeting its capital cost requirements as well as the cost of operations and other expenditures.
- (ii) **Financial Internal rate of return (FIRR)** of the projects is calculated While representing an average return and its comparison with the required rate of return, which is taken as KIBOR rate
- (iii) **Payback period** of the Project is estimated duly incorporating construction and operational period over the useful life of asset.
- (iv) Cost benefit analysis of the projects is made to determine the ratio of cumulative benefits versus cumulative cost of each project over its useful life.

Please refer **Annexure E** for details.

#### **1.3.** Annual Financial Projections

The annual financial projection of Municipal Committee Jhang is given below:

#### **Table 6: Financial Projections**

Year	202	23-24	202	24-25	202	25-26
Category	Capital Cost	O&M Cost	Capital Cost	O&M Cost	Capital Cost	O&M Cost
Water Supply	300.50	5.45	100.00	5.45	50.00	10.45
Sewerage Network and Disposal Station	1,486.32	1.88	1,345.12	70.79	-	70.79
Road & Street	794.56	39.73	70.97	42.82	-	42.82
Street Lights	7.25	40.57	-	40.57	-	40.57
Parks, Playgrounds, Open spaces	21.90	0.55	-	0.55	21.90	1.10
Transport station, stops, stands and terminal	-	-	-	-	695.55	34.78
Slaughterhouse	58.33	-	58.33	-	58.33	4.38
Buildings	50.00	0.25	-	0.25	-	0.25
Total	2,718.86	88.42	1,574.42	160.43	825.78	205.13

Amount in PKR Million

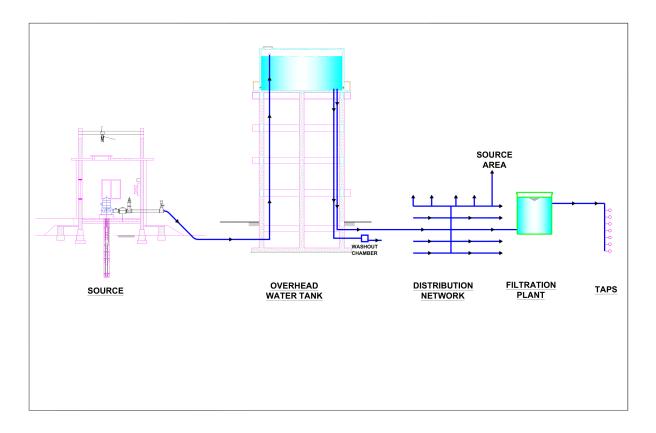
Capital cost of the projects incorporates both the initial one-off costs such as engineering cost, project construction cost, development cost, procurement cost of equipment, machinery & other assets, utility set up cost, and any other costs to be incurred during the construction period.

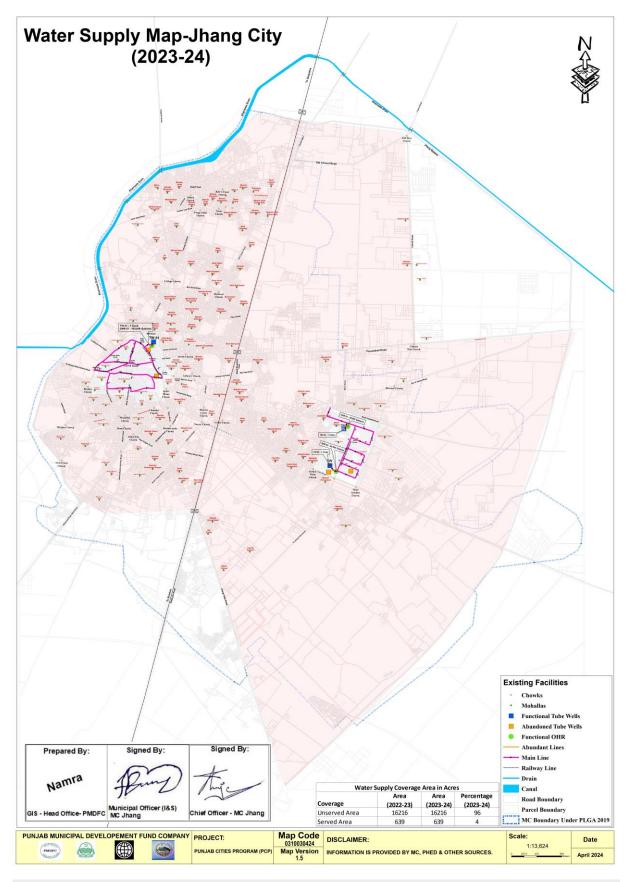
Operating and maintenance (O&M) cost shall be incurred during operational phases of the project. Operation and maintenance cost includes electricity and other utility cost, administrative expenses, maintenance cost, payroll cost and other overheads etc.

## Annexure

### Annexure A. Detail of Assets

- 1. Water Supply:
- 1.1. Key Components of a Water Supply System





A. Tube well

Sr		Age (Ye	ars)				Discharge	Pump	Motor	Motor
#	Name	Civil Structure	Pump	Condition	Status	Value (PKR Mil)	(cusec)	Make	Make	hp
1	MC Office	47	47	Fair	Functional	0.18	1	KSB	Siemens	50
2	Behari Colony	69	11	Failing	Non- Functional	0	1	KSB	Siemens	40
_	New Kalma Chowk	69	15	Fair	Functional	0.09	1.5	KSB	Siemens	40
4	Nawaz Sharif Park	12	12	Fair	Functional	0.36	0.75	KSB	Siemens	40

		Integrated D	evelopment	And A	sset M	anagement I	Plan (IDAMP)
			Municip				
Form: IDAMP-A			Tube Well ndition Asses	ssmen	t		Asset Code: Date: 26-01-2023
		Asset	t Detail			Pictures	
Name				MCC	Office		
Location	Latitu	de		31.29	91322		
Location	Longit	tude		72.32	21003		
Address			Circular R	Road, N	lear Ta	nga Adda	
Area (Marla)	)			0	1		
Working Sta	tus		Function	nal	Non	- Functional	
Installation `	Year of	Tube Well		19	76		
Installation `	Year of	Pump		19	76		
<b>Capital Cost</b>				Not Av	vailable	2	
Operational	Hours			(	5		
Delivery	Dia			6	;" `		
Pipe	Mater	rial		Mild	Steel		
Chlorinator			Yes			No	
Chlorination	Sched	ule	Once in a Year	After 6 Months		No Schedule	
Apron Arou	nd Pum	np House	Yes			No	
Hoisting Gire	der		Yes		No		
<b>Civil Structu</b>	re Conc	dition	Good	Fa	air	Poor	
Approach to	Pump	House	Good	Fa	air	Poor	
		Pump	Details	•			
Pump Type				Tur	bine		GPS Map Camera
Pump Make				19	76		Jhang, Punjab, Pakistan Musafr Khana & Union Council Office 87, Chaudhy Colony, Jhang, Punjab, Pakistan
Discharge Ca	apacity	(Cusec)			1		Lat 31.291322° Long 72.321003°
<b>Rotational S</b>	peed (F	RPM)		14	65		Google 27/01/23 01:58 PM GMT +05:00
Housing Dia	(inches	s)		1	2″		
Bore Depth	(ft.)			28	85		
Head (ft.)				1	50		
Impeller Installation Depth (ft.)			85				
Paint of Pun	nping U	Init	Good Fair		Poor		
Number of	Gate \				1		
Valves	Non-R	Returning Valve			1		
Base Plate	•	-	Yes			No	
					-		-

	Integrated Development And Asset Management Plan (IDAMP)										
Municipal Committee Jhang											
Form: IDAMP-A1.1		Tube Well ndition Assessment	Asset	Code: Date: 26-01-2023							
			Date: 20-01-2023								
Transformer Capa		al Equipment Detail 20									
Sanctioned Load (		3		- A Carl	STR -						
Motor Power (HP)		5	-		A State						
Motor Make		Sier									
MCU		Yes	No		X p						
Earthing of Motor		Yes	No								
Power Wiring		Yes	No								
Service Cable		Yes	No		AN SAC						
Earthing of MCU		Yes	No		X A Z K						
Energy Meter		Yes	No		30 919						
Water Meter		Yes	No		No State						
PFI Equipment		Yes	No	- 57	ALL ALL						
Generator		Yes	No	Jhang, P	unjab, Pakistan						
Change Over		Yes	No	Google 27/01/23 01:59 PM 0MT +05:00							
		Overall	Rating								
Average Score	1	2	3	4	5						
Asset Condition	Excellent	Good	Fair	Poor	Failing						
Category	Α	В	С	D	E						
		Remarks / Re	equirements								
Pump has or	utlived its life an	d needs replacem	ent.								
Data Collected By:	Mr. Abdullah	Designation: Team	n Member	Sign & Date: 15 May 2023							
Data Checked By: I	Mr. M Fiaz	Designation: Team	n Lead	Sign & Date: 15 May 2023							

	Integrat	ed Develop	ment And	ASSEL MAIL		
	integrat					
		N	iunicipal C	Committee J		
Form: IDAMP-A1	.2 Tube Asset Co Assess	ondition				
	Asse	t Detail				
Name	-	Behari Colony				
Location	Latitude	31.266220				
	Longitude		72.35348			
Address				ellite Town		
Area (Marla	)	01	1			
Working Sta		Functior	F	Non- unctional		
	Year of Tube Well		1954			
	Year of Pump		2012			
Capital Cost		4.	5 Million	Pkr		
Operational			0			
Delivery	Dia	6"				
Pipe	Material		Mild Stee			
Chlorinator		Yes		No		
Chlorination	Schedule	Once in a Year	After 6 Months	No Schedule		
	nd Pump House	Yes		No		
Hoisting Gire		Yes		No		
Civil Structu	re Condition	Good	Fair	Bad		
Approach to	Pump House	Good	Fair	Bad		
	Pump	Details				
Pump Type			Turbine			
Pump Make		2012				
Discharge Ca	apacity (Cusec)	1				
Discharge Capacity (Cusec) Rotational Speed (RPM)		1465				
Housing Dia	(inches)		12"			
Housing Dia Bore Depth	(inches)		12" 300			
Housing Dia Bore Depth Head (ft.)	(inches) (ft.)		12"			
Housing Dia Bore Depth Head (ft.) Impeller Inst (ft.)	(inches) (ft.) tallation Depth		12" 300			
Housing Dia Bore Depth Head (ft.) Impeller Ins	(inches) (ft.) tallation Depth	Good	12" 300 150	Poor		
Housing Dia Bore Depth Head (ft.) Impeller Inst (ft.) Paint of Pun	(inches) (ft.) tallation Depth	Good	12" 300 150 85	Poor		
Housing Dia Bore Depth Head (ft.) Impeller Inst (ft.)	(inches) (ft.) tallation Depth nping Unit	Good	12" 300 150 85 Fair	Poor		
Housing Dia Bore Depth Head (ft.) Impeller Inst (ft.) Paint of Pun Number of	(inches) (ft.) tallation Depth nping Unit Gate Valve Non-Returning	Good	12" 300 150 85 Fair 1	Poor		
Housing Dia Bore Depth Head (ft.) Impeller Inst (ft.) Paint of Pun Number of Valves	(inches) (ft.) tallation Depth nping Unit Gate Valve Non-Returning	Yes	12" 300 150 85 Fair 1 1			
Housing Dia Bore Depth Head (ft.) Impeller Inst (ft.) Paint of Pun Number of Valves Base Plate	(inches) (ft.) tallation Depth nping Unit Gate Valve Non-Returning Valve	Yes al Equipmer	12" 300 150 85 Fair 1 1	No		
Housing Dia Bore Depth Head (ft.) Impeller Inst (ft.) Paint of Pun Number of Valves Base Plate	(inches) (ft.) tallation Depth nping Unit Gate Valve Non-Returning Valve Electro-Mechanica r Capacity (kVA)	Yes al Equipmer	12" 300 150 85 Fair 1 1 1 <b>1</b> <b>1</b>	No		
Housing Dia Bore Depth Head (ft.) Impeller Inst (ft.) Paint of Pun Number of Valves Base Plate	(inches) (ft.) tallation Depth nping Unit Gate Valve Non-Returning Valve Electro-Mechanica r Capacity (kVA) Load (kw)	Yes al Equipmer	12" 300 150 85 Fair 1 1 1 <b>t Details</b> Iot Availab	No		
Housing Dia Bore Depth Head (ft.) Impeller Inst (ft.) Paint of Pun Number of Valves Base Plate Transformer Sanctioned	(inches) (ft.) tallation Depth nping Unit Gate Valve Non-Returning Valve Electro-Mechanica r Capacity (kVA) Load (kw) er (HP)	Yes al Equipmer	12" 300 150 85 Fair 1 1 <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b> <b>1</b>	No		
Housing Dia Bore Depth Head (ft.) Impeller Inst (ft.) Paint of Pun Number of Valves Base Plate Transformer Sanctioned I Motor Powe	(inches) (ft.) tallation Depth nping Unit Gate Valve Non-Returning Valve Electro-Mechanica r Capacity (kVA) Load (kw) er (HP)	Yes al Equipmer	12" 300 150 85 Fair 1 1 1 <b>t Details</b> Iot Availab 30 40	No		
Housing Dia Bore Depth Head (ft.) Impeller Inst (ft.) Paint of Pun Number of Valves Base Plate Transformer Sanctioned I Motor Power Motor Make	(inches) (ft.) tallation Depth nping Unit Gate Valve Non-Returning Valve Electro-Mechanica r Capacity (kVA) Load (kw) er (HP)	Yes al Equipmer	12" 300 150 85 Fair 1 1 1 <b>t Details</b> Iot Availab 30 40	No		
Housing Dia Bore Depth Head (ft.) Impeller Inst (ft.) Paint of Pun Number of Valves Base Plate Transformer Sanctioned I Motor Powe Motor Make	(inches) (ft.) tallation Depth nping Unit Gate Valve Non-Returning Valve Electro-Mechanica r Capacity (kVA) Load (kw) er (HP)	Yes al Equipmer N Yes	12" 300 150 85 Fair 1 1 1 <b>t Details</b> Iot Availab 30 40	No Die No		

	Integrated Development And Asset Management Plan (IDAMP)									
Municipal Committee Jhang										
Form: IDAMP-A1.2	Tube Asset Co Assess	ndition				Asset	Code: Date: 26-01-2023			
Earthing of MCU	Yes		No							
Energy Meter		Yes		No						
Water Meter		Yes		No						
PFI Equipment		Yes		No						
Generator		Yes		No						
Change Over		Yes		No						
			Overal	Rating						
Average Score	1	2		3	}	4	5			
Asset Condition	Excellent	Good	4	Fair		Poor	Failing			
Category	A	В		С		D	E			
				equireme	nts					
Pump is out of o	rder and mai	n rehabilitatio	n is req	uired.		1				
Data Collected By:	Designatio	Designation: Team Member			Sign & Date: 15 May 2023					
Data Checked By:	Designatio	Designation: TeaLead			Sign & Date: 15 M	ay 2023				

		Integ	rated Develo	pment	And	Asset Manag	gement Plan (IDAMP)				
	Municipal Committee Jhang										
Form: Tube Well IDAMP-A1.3 Asset Condition Assessment					Asset Code: Date: 26-01-2023						
		A	sset Detail	·			Pictures				
Name			Ne	w Kalma	a Cho	wk					
Location	Lati	tude		31.258	3432						
Location	Lon	gitude	72.351610								
Address			New Kalma Chowk, Satellite Town				the general second				
Area (Marla	)			01	-						
Working Sta	atus		Functional Non- Functional			- Functional					
Installation Well	Yeaı	r of Tube	1954								
Installation	Year	r of Pump		200	8						
<b>Capital Cost</b>	;			4 N	Aillior	n Pkr					
Operational	Ι Ηοι	urs		6			Jhang, Punjab, Pakistan				
Delivery	Dia			6"			Pict 71/4 Y, Y Bickk Block Y Satellite Town, Jhang, Punjeb, Pakistan Latra 31 268222*				
Pipe	Ma	terial		Mild S	teel		Google Long 72.383488* 27/01/23 12:58 PM GMT +05:00				
Chlorinator			Yes No		No						
Chlorination Schedule			Once in a Year	After Mont		No Schedule					

	Integrated Development And Asset Management Plan (IDAMP)										
			Munic	ipal Co	ommittee Jh	ang					
Form: IDAMP-A1.3		be Well tion Assessn	nent				Asset	t Code: Date: 26-01-2023			
Apron Around	l Pump House	Yes	_		No			1. 20 .			
Hoisting Girde	-				No			The second second			
Civil Structure Condition		Good	Fair Bad								
Approach to Pump House		Good	Fa	air	Bad						
	-	mp Details									
Pump Type		•	Tur	bine			110				
Pump Make			20	08				THE OFF MASS Concess			
Discharge Cap	acity (Cusec)		1	.5			Jhang, Punjab, Pa Piet 71/4 Y, Y Block Bloc Jhang, Punjab, Pakistan Lint 31: 568(2072)	ikiStan k Y Satelike Town,			
Rotational Sp			14	65			Google Long 72.353485* 27/01/23 12:57 PM GMT	+05:00			
Housing Dia (i	. /			2″		1					
Bore Depth (f	-		28	85			1 min				
Head (ft.)			1	50			Starte 1				
Impeller Insta	llation Depth		0	5		]	R.IV-	AUVE			
(ft.)			8								
Paint of Pump	oing Unit	Good	Fa	air	Poor			a state of			
Number of	ate Valve			1			Jhang, Punjab, Pa	ikistan			
Valves	Ion-Returning	1					Piot 71/4 Y, Y Block Bloc Uhang, Punjab, Pakistan Lat 31:266221*	k Y Sateliko Town,			
valves	alve					Google 27/01/23 12:58 PM 0MT	+05:00				
Base Plate		Yes			No	-	- The second second	12 Martin			
	Electro-Mecha	nical Equipm	nent D	etails							
Transformer C	Capacity			-							
(kVA)						_					
Sanctioned Lo		19									
Motor Power	(HP)	40					CAN THE P				
Motor Make		Siemens					Naya Shehar, Pun Water Tank, Y Block Bloc	jab, Pakistan			
MCU		Yes			No		Naye Sheher, Jhang, Pur Lat 31,26337 Long 72,353478* Google 27,01021 12478 PM CANT	nlab, Pakisten			
Earthing of M		Yes			No		27/01/23 12:55 PM CAT				
Power Wiring		Yes			No	_					
Service Cable	<u></u>	Yes			No	-	-				
Earthing of M		Yes			No	-	-	12			
Energy Meter Water Meter		Yes Yes			No No		-				
PFI Equipmen	+	Yes			No		e				
Generator	ι	Yes			NO			📷 (179 may Comine			
Change Over		Yes			No		Jhang, Punjab, Pa Pier 75/4 V, Y Block Bloc Jhang, Punjab, Pakistan	ikistan x Y Salelike Town,			
change Over		Tes		Over	all Rating		Lat 31.268135				
Average Sco	re 1		2	Overa	an Kating 3		4	5			
Average Sco Asset Conditi		ont	Goo	d.	Fai	r	Poor	Failing			
		ent	B	iu.	C	•		E			
Category	A			arke /		te	D	E			
	habilitation is d By: Mr. Abdul						Jul	\$.h			
							Sign & Date: 15 N				

Integrated Development And Asset Management Plan (IDAMP) Municipal Committee Jhang									
Form: IDAMP-A1.3	Tube Well Asset Condition Ass	Asset Code: Date: 26-01-2023							
Data Checked B	y: Mr. M Fiaz	Designation: Team Lead	Maypy						
			Sign & Date: 15 May 2023						

	Integ	rated Develo	pment	And /	Asset Mana	
			Munici	pal Co	ommittee Jh	
Form: Asset C		e Well ondition sment				
	A	sset Detail				
Name	-	Nawaz Sharif Park				
Location	Latitude		31.296			
	Longitude		72.318			
Address		Na	waz Sha		ırk	
Area (Marl			01	_		
Working St		Function	al	Non-	Functional	
Installation Well	n Year of Tube		201	L1		
Installation	n Year of Pump	2011				
Capital Cos	st	4.5 Million Pkr				
Operationa	al Hours	6				
Delivery	Dia		6"	,		
Pipe	Material	Mild Steel				
Chlorinato	r	Yes No				
Chlorinatio	on Schedule	Once in a	After		No	
		Year	Mont	ths	Schedule	
-	und Pump House	Yes			No	
Hoisting Gi		Yes			No	
	ure Condition	Good	Fai		Bad	
Approach t	to Pump House	Good	Fai	ir	Bad	
Duner True -		mp Details	Terral-	inc		
Pump Type			Turbi	-		
Pump Mak			201			
	Capacity (Cusec)		0.7			
	Speed (RPM)		146			
Housing Dia (inches) Bore Depth (ft.)		8"				
Head (ft.)	i (it.)	300 150				
	stallation Donth		150	U		
(ft.)	stallation Depth		85			
Paint of Pu	mping Unit	Good	Fai	ir	Poor	
	Gate Valve		1			

Integrated Development And Asset Management Plan (IDAMP)										
Municipal Committee Jhang										
Form: IDAMP-A1.4	Asset C	e Well ondition sment	1				Asset Code: Date: 26-01-2023			
Number Nor of Valves Valv	n-Returning ve	1						and particular		
Base Plate		٢	Yes		No			The Party of the P		
Ele	ectro-Mecha	nical Equ	uipment De	etails			Jhang Sadar, Punj	S Map Camera		
Transformer Ca (kVA)	pacity		10	00			3000 11/2010 11/2000 1	odha Rd, Ali Town ab 35200, Pakistan		
Sanctioned Loa	d (kw)		1	2						
Motor Power (H	IP)		4							
Motor Make			Siemens					200 18-2		
MCU			Yes		No		PTT STATEMENT AND ADDRESS OF	S Map Camera		
Earthing of Mot	or		Yes		No		78W9+MCV, Amir Town - Pakistan	ib, Pakistan دجائر, Jhang, Punjab,		
Power Wiring		Yes		No		Lat 31296881° Long 72.31854° 27/01/23 04:57 PM GMT +	-06:00			
Service Cable	_		Yes		No			Contract of American		
Earthing of MC	J				No					
Energy Meter					No No					
Water Meter										
PFI Equipment			Yes							
Generator Change Over			Yes Yes	No						
Change Over			ies		No					
			[	Overall	Rating		1	[		
Average Score	2 1		2		3		4	5		
Asset Condition	n Excell	ent	Goo	d	Fair	r	Poor	Failing		
Category	Α		В		С		D	E		
	-		Rema	arks / Ro	equiremen	ts				
Minor reh	abilitation i	s requir	ed.							
Data Collected By: Mr. Abdullah			Designation: Team Member				Julish Sign & Date: 15 May 2023			
Data Checked By: Mr. M Fiaz			Designation: Team Lead				Sign & Date: 15 May 2023			

#### B. OHR

Sr #	Name	Age (Years)	Condition	Status	Book Value (PKR Mil)	Capacity
1	MC Office	17	Fair	Functional	0.19	10,000
2	Behari Colony	69	Failing	Non-Functional	0	50,000
3	Kalma Chowk	17	Fair	Functional	0.76	50,000

		Integrated Development And Asset Management Plan (IDAMP)										
			Mu	nicipal	Comm	ittee Jł	nang					
Forr IDAMP			Over Head Reservoir Asset Condition Assessment					Asse	t Code: Date: 26-01-2023			
Name			MC Office					Pictures				
_	Latit	ude		31.279	326							
Location	Long	itude		72.313	941							
Address			Circular	Road,	Jhang S	Sadar						
Year of Co	nstructi	on		200	-							
Capacity (l	JK Gallo	ons)		100,0	00							
		cy (Per Year)		2								
Type of Str	-			 R.C.	r							
Structure C		n	Good	Fair		Poor						
Tank Cond			Good	Fair		Poor	-					
r r	Sluice		0000	4		-001						
				4								
OI Valves	NON-RE	eturning Valve		_	on-			1 Course				
Working St	tatus		Functional Functional									
Rising Mai	n –	Dia	10"					TO EE				
		Material	MS						TI			
Delivery M	lain 🛏	Dia	8″				The second second					
		Material	MS									
Overflow Scour Pipe		Dia Material		8" MS								
Scoul Pipe		Rising Main	Yes	1013	Nc							
		Delivery Main	Yes		No		13		Punjab, Pakistan			
Sluice Valv		Scour Pipe	Yes		No			78H7+H9H, Circular R Sadar, Jhang, Punjab, Lat 31.279067°	td, Madina Colony, Jhang Pakistan			
		Overflow Pipe	Yes		No	)	Goog	Long 72.313678°	MT +05:00			
Stair Case		-	Yes		No	)						
Apron Aro	und OH	R	Yes		No	)						
Tank Top R	Railing		Yes		No	)						
Top Indicat			Yes		No							
Lightening			Yes		No							
Boundary			Yes		No							
Approach t		Arrangements	Yes	Eair	No							
Approach			Good	Fair	erall Ra	Bad						
Average	Score	1						Δ	F			
Average S		1	2			3		4	5			
Asset Con	dition	Excellent	Good			Fa	Ir	Poor	Failing			

Annexure

Category	А	В	С	D	E						
	Remarks / Requirements										
Reinforcement at the tank floor was evident and the structure needs rehabilitation											
Data Collected By	: Mr. Abdullah	n Member	Julih Sign & Date: 15 May 2023								
Data Checked By:	Mr. M Fiaz	Designation: Tear	n Lead	Sign & Date: 15 May 2023							

		Integrated	Developme	ent And	l Asset Man	agemer	nt F	nt Plan (ID
			Mun	icipal	Committee J	hang		
Form:			Over H					
IDAMP-A			Asset Con					
Name			Be	hari Co	olony			
	Latit	ude	31.267288					
Location	Long	itude	72.350833					
Address				Colony Towi	, Satellite			
Year of Cons	truct	on		1954				
Capacity (UK				50,00				
Cleaning Free				2	0			
_	-	Ly (Per fear)	D		00000	-1-		
Type of Strue				k Mas		. /		
Structure Co		on	Good	Fair	Poor	1		
Tank Conditi			Good Fair <b>Poor</b>				1	
-		/alve		4			1	
of Valves N	on-Re	eturning Valve		1				10
Working Stat	tus		Functional <b>Non-</b> <b>Functional</b>					
Rising Main		Dia		10"		X		
		Material		MS				
Delivery Mai	n –	Dia		8"			1=	
_		Material		MS			TOTOLICUL	-
Overflow	&	-		6″			NATION I	-
Scour Pipe		Material	Mar	MS	Ne			J 12
		Rising Main	Yes		No			BI La
Sluice Valve		Delivery Main Scour Pipe	Yes Yes		No No	Google	17	Lc 27
		Overflow Pipe	Yes		No		atest	
Stair Case			Yes No Yes No					
Apron Aroun	d OH	R	Yes		No			
Tank Top Rai			Yes		No			
Top Indicatio	-	ht	Yes		No			
Lightening A			Yes		No			
Boundary W			Yes		No			
		Arrangements	Yes		No			

Approach to OHR	۲ ۲	Good	Fair	Bad					
			Overa	ll Rating					
Average Score	1	2 3		4	5				
Asset Condition	Excellent	G	ood	Fa	ir	Poor	Failing		
Category	А		В		2	D	E		
		Re	emarks / I	Requireme	nts				
• Structure and tank condition is very poor and deteriorated. They have outlived their lives as per design criteria. So, they need to be reconstructed									
Data Collected By	: Mr. Abdullah	Designation: Team Member			r	Sign & Date: 15 May 2023			
Data Checked By:	Mr. M Fiaz	Designation: Team Lead				Sign & Date: 15 May 2023			

		Integrated	Developme	nt And A	Asset Mana	agement Plan (IDAMP)
			Muni	icipal Co	mmittee J	hang
Form: IDAMP-A2.3			Over H Asset Cone	lead Res dition As		Asset Code: Date: 26-01-20
Name			Kal	lma Cho	wk	Pictures
	Lati	tude	3	1.25811	1	
Location	Lon	gitude	7	2.35131	6	
Address		-	Kalma (	Chowk, S Town	atellite	
Year of Co	nstruc	tion		2006		
Capacity (	UK Ga	lons)		50,000		
		ncy (Per Year)	2			
Type of St	-		Brick Masonary			
Structure			Good	Fair	Poor	
Tank Cond	litions		Good Fair <b>Poor</b>		Poor	
Number	Sluice	Valve	4			
of Valves	Non-F	Returning Valve	1			
Working S			Functional Non- Functional			
Dising Mai		Dia		10″		
Rising Mai	n	Material		MS		GPS Map Camera
Delivery N	lain	Dia		8″		Jhang, Punjab, Pakistan 7952+2FP, Ghitya Wala Bazar, Satellite Town
-		Material		MS		Block A Satellite Town, Jhang, Punjab, Pakistan
Overflow	&	Dia		6″		Lat 31.258111° Long 72.351316°
Scour Pipe	9	Material		MS		27/01/23 01:08 PM GMT +05:00
		Rising Main	Yes		No	
Sluice Valv	/e	Delivery Main	Yes		No	
		Scour Pipe Overflow Pipe	Yes Yes		No No	
Stair Case		overnow Pipe	Yes		No	
Juli Case			165		NU	

Apron Around Ol	HR	Yes		No						
Tank Top Railing		Yes		No						
Top Indication Lig	ght	Yes		No						
Lightening Arrest	er	Yes	Yes N							
Boundary Wall &	Gate	Yes		No						
<b>Overflow Disposa</b>	al Arrangements	Yes		No						
Approach to OHR	2	Good	Fair	Bad						
	Overall Rating									
Average Score	1	:	2	З	;	4	5			
Asset Condition	Excellent	Go	bod	Fa	ir	Poor	Failing			
Category	Α		В	C	D		E			
		Rei	marks / I	Requireme	nts					
Structure	and tank condition	on is very p	boor and	deteriorat	ed. So, tl	hey need to be reh	abilitation.			
Data Collected By	: Mr. Abdullah	Designation: Team Member				Sign & Date: 15 May 2023				
Data Checked By:	Designation: Team Lead				Sign & Date: 15 May 2023					

#### C. Filtration Plant

Sr #	Name	Age (Years)	Condition	Status	Book Value (PKR Mil)	Туре	Filtration Capacity (Liters/hour)
1	Qabristan Rulay Shah	6	Fair	Non- Functional	2.7	UV	2000
2	Muhallah Baghwala	17	Poor	Functional	0.54	UV	2000
3	Ahrar Park	10	Poor	Functional	2.43	UV	2000
4	Basti Mura Wali	6	Fair	Functional	3.15	UV	2000
5	Muhallah Farooqia	10	Failing	Non- Functional	2.16	RO	1000
6	Milad Chowk	10	Poor	Non- Functional	2.43	RO	1000
7	Larri Adda	6	Poor	Functional	3.15	UV	2000
8	Rasheed Chowk	6	Failing	Non- Functional	2.7	UV	2000
9	Jail Road Shadab colony	6	Poor	Functional	3.15	UV	2000
10	Sadiqabad	6	Poor	Functional	3.15	UV	2000
11	Behari Colony	10	Failing	Non- Functional	1.62	RO	1000
12	Faisalabad Jalalabad	17	Failing	Non- Functional	1.98	UV	2000
13	MC Office	17	Poor	Functional	0.27	UV	2000

							-
	Integrate				Managemei ttee Jhang	nt Plan (IDAMP)	
		IVIUN	icipal C	.ommi	liee Jhang		
Form:		Water	Filtratio	n Plan	t	Asse	t Code:
IDAMP-A4		Asset Con	dition A	ssessn	nent		Date: 26-01-2023
Name			Rulay	' Shah		Pi	ctures
Location	itude		31.26	52771			
Location	gitude		72.30	0108			and a second
Address		Qa	bristan	Rulay S	Shah		A Supervised
Installation Year			2017				
Installing Agency	/		PH	IED			
O&M Agency			MC J	hang		* 3 ×	
Filtration Capaci	ty (Liter/Hour)		20	00			
Operational Hou	irs		1	.2		Jhan Jhang	ng Sadar, Punjab, Pakistan Sadar, Jhang, Punjab, دود, Pakistan Pakistan
No. of Taps				8		Lat 31, Long 7 27/01/	262778* 2.300202* 23 01:58 PM GMT +05:00
Effluent Test (If	-		N	lo			
Latest water q carried out?	uality analysis		Not Av	vailable	!		
If yes, which	h lab and						
parameters?			Not Av	vailable		the second second	
Findings of v analysis?	vater quality		Not Av	vailable	!		
In case of any pa the permissible							1.
steps are taken			Not Av	vailable		Jhan	ی کافی که کام کی که می که کام کی که کام کی که کام کی که کام کی کام کی کام کی کام کام کام کام کام کام کام کام ک Sadar, Jhang, Punjab, کورند فنیز محمد رود
water?	•					Lat 31. Google 2701/	Pakistan 262881* 2.300276* 23 01:58 PM GMT +05:00
Plant Type		RO					
Source of Water		Local Tube	Local Tube Well Public Water Supply				
Working Status		Functior	nal	Νοι	n-Functional	1324	
Pumping Unit		Yes			No	10	
Control Panel		Yes			No		1 Stat
Service Cable		Yes			No		1 1 - 9
Ultraviolet Lamp	)	Yes	_		No	BECONSTRUCTION AND A	🖬 046 Map Comera
Takeaway Hall C	ondition	Good	Fa	air	Poor	Jhan Jhang Let 81	ig Sadar, Punjab, Pakistan مرتبد نشیرمحسر رونه, Jhang, Punjab, مرتبد نشیرمحسر Pakistan 26294*
Building Structu	re Condition	Good	Fa	air	Poor	Google Long 7 27/01/	2.300308* 23 01:57 PM GMT +05:00
Approach to Pur	np House	Good		air	Poor		
	1			ll Ratir	-		
Average Score	1	2			3	4	5
Asset Condition		Go			Fair	Poor	Failing
Category	A	B			C	D	E
<ul> <li>Floor ne</li> </ul>	ine, pressure pu eds rehabilitatio re missing	mp, panel boa	narks / F ard need				
Data Collected B		Designat	Designation: Team Member				Sh

							Sian &	Date: 15 May	2023	
Data Checked	l By: M	Ir. M Fiaz	Designat	ion: Te	eam Le	ad		maypy		
							Sign & Date: 15 May 2023			
		Integrate	d Developm	ent An	ıd Asse	et Manageme	ent Plan (	IDAMP)		
			Mu	nicipa	l Com	nittee Jhang				
Form: IDAMP-A			Wate Asset Co		ation F on Asse			Asset Code: Date: 26-01-2023		
Name			M	ohalla	Baghw	vala		Pictur	es	
Location –	Latitu			31.26	56185		4			
	Longit	ude			09110					
Address			Mo		aghan	wala		199	Reading .	
Installation Y				-	006		4			
Installing Age					IED		-			1
O&M Agency					Ihang		Sector Constant	Jhang, Punjab, I	GPS Map Camera	1
Filtration Cap		Liter/Hour)		-	000				ah, 7895+JFV, Piplianwala	2
Operational H	lours				.2		Google	Lat 31.268604° Long 72.308838°		11.000
	No. of Taps Effluent Test (If Available)				No				MT +05:00	1
Latest water		-						811	BART Committee	
carried out?	4	,		Not A	/ailable	2		Comp	a with	
parameters?	vhich	lab and		Not Av	vailable	2		1	SUIM -	
Findings of analysis?		. ,	Not Available							
In case of any the permiss									H	
steps are tak water?			Not Available					Jhang, Punja Piot 29, Basti Suita Pakiatan Lat \$12,69158* Long 72,309097*	in, Jhang, Punjab,	
Plant Type			RO			UV		27/01/23 09:24 AM	4 GMT +05:00	
Source of Wa	ter		Local Tube	Well		blic Water Supply				
Working State			Function	nal	Non	-Functional		-		
Pumping Unit			Yes			No		1111		
Control Panel			Yes			No				
Service Cable			Yes			No		المالة المناقة		
Ultraviolet Lamp			Yes			No				
Takeaway Hall Condition				Good Fair		Poor		Jhang, Punja Plot 29, Basti Suita Pakistan Lat 31.266185°	in, Jhang, Punjab,	
Building Structure Condition Approach to Pump House			Good Fair			Poor		Google 27/01/23 09:24 AM	4 GMT +05:00	
Approach to I	rump	nouse	Good		air verall R	Poor				
Average Sco	re	1		2		aung 3		4	5	
Average Sco Asset Condit		Excellent	6	ood		Fair		Poor	Failing	
Category		A		B		C		D	E	
category			R		s / Rec	quirements			-	
					-, net	i entento				

Filter Media was not working	5									
Floor needs rehabilitation										
Taps were missing										
Data Collected By: Mr. Abdullah	Designation: Team Member	July Sign & Date: 15 May 2023								
Data Checked By: Mr. M Fiaz	Designation: Team Lead	Sign & Date: 15 May 2023								

		Integra	ated Develop	ment A	nd Ass	et Managem	ent Plan (IDAMP)
			М	unicipa	al Comi	nittee Jhang	
Forr IDAMP		Wat Asset C	er Filtra onditio			Asset Code: Date: 26-01-202	
Name				Ahra	r Park		Pictures
Location	Latitude			31.2	7068		
Location	Longitud	e		72.3	0937		
Address				Ahra	r Park		
Installation \	/ear			20	)13		
Installing Ag	ency			PH	IED		
O&M Agency	/			MC	Ihang		
Filtration Ca	pacity (Lite	r/Hour)		20	000		
Operational	Hours		12				
No. of Taps					8		
Effluent Test	Effluent Test (If Available)			Ν	10		Jhang, Punjab, Pakistan
Latest wat carried out?	er qualit	y analysis	Not Available				78C5+6P5, Piplianwala Mohallah Jhang, Punjab, Pakistan Lat 31.270713°
If yes, which	lab and pa	rameters?	Not Available				Soogle 2/309316* 27/01/23 09:12 AM GMT +05:00
Findings of w	vater qualit	y analysis?	Not Available				
In case of an permissible taken to pro	limit, whic	h steps are	Not Available			2	
Plant Type			RO			UV	
Source of Wa	ater		Local Tube	Well	Pu	blic Water Supply	
Working Stat	tus		Functior	nal	Nor	n-Functional	
Pumping Uni	it		Yes			No	Jhang, Punjab, Pakistan 78:05+895, Pipianwala Mihalah Jhang,
Control Pane	el		Yes			No	Punjab, Pakistan La 31270619* Long 72.309348*
Service Cable	Service Cable		Yes			No	27/01/23 09/14 AM 9/MT +05/00
Ultraviolet L	amp		Yes			No	
Takeaway Ha	all Conditio	n	Good	Fa	air	Poor	
<b>Building Stru</b>	Building Structure Condition		Good	Fa	air	Poor	
Approach to	Pump Hou	se	Good	Fa	air	Poor	

	Image: Second Se Second Second Sec										
Overall Rating											
Average Score	1	2	3	4	5						
Asset Condition	Excellent	Good	Fair	Poor	Failing						
Category	Α	В	С	D	E						
		Remarks / R	equirements								
<ul><li>Gauge mete</li><li>Floor needs</li></ul>	orane was blocked an er was not working r rehabilitation were missing	d filter media was no	t working								
Data Collected By: N	Лr. Abdullah	Designation: Team I	Member	Sign & Date: 15 May 2023							
Data Checked By: M	lr. M Fiaz	Designation: Team L	.ead	Sign & Date: 15 May 2023							

	Integrated Development And Asset Management Plan (IDAMP)										
			Municipal Committee Jhang								
Forr			Water Filtration Plant	Asset Code:							
IDAM	P-A4		Asset Condition Assessment	Date: 26-01-2023							
Name			Basti Mura wali	Pictures							
Location	Latitud	e	31.276402								
Location	Longitu	de	72.308782								
Address			Basti Mura wali								
Installation	n Year		2017								
Installing A	gency		PHED								
O&M Agen	ncy		MC Jhang								
Filtration (Liter/Hou	r)	Capacity	2000								
Operationa	al Hours		12								
No. of Tap	S		8								
Effluent Te	st (If Ava	ilable)	No								
Latest wat carried out	-	y analysis	Not Available								
lf yes, parameter		lab and	Not Available								

Findings of wa analysis?	ater quality		Not Av	vailable				
In case of any above the perm which steps ar provide safe wate	issible limit, e taken to		Not Available					
Plant Type		RO			UV	A-A	A CAL	
Source of Water			Local Tube Well		blic Water Supply	Plot 340	PT No Links  , Punjab, Pakistan  , Bibarana Mohalia Mohalia  ma, Jiang, Punjab, Pakistan  ma, Jiang, Punjab, Pakistan	
Working Status		Function	nal	Non	-Functional	Long 72	309784" 3 09:55 AM GMT +05:00	
Pumping Unit		Yes			No			
Control Panel		Yes			No			
Service Cable		Yes			No			
Ultraviolet Lamp		Yes			No			
Takeaway Hall Co	ondition	Good	Fa	air	Poor			
Building Structure		Good		air	Poor			
Approach to Pump House		Good		air II Ratin	Poor	Coogle Pint add	J. GORZE" 30 DISA AN CAT + 05 CO	
Average Score	1	2			3	4	5	
Asset Condition	Excellent	Goo	bd		Fair	Poor	Failing	
Category	Α	В			С	D	E	
		Rem	arks / F	Require	ements			
Vessel wa	kage detected as not working eds rehabilitati	[		-				
Data Collected By	Designat	Designation: Team Member				Sh May 2023		
Data Checked By:	Mr. M Fiaz	Designat	ion: Teo	am Lea	d	Sign & Date: 15 May 2023		

	Integrate	ed Developme Muni	nt And A cipal Co			lan (IDAMP)	
Form: IDAMP-A4		Water Asset Cond	Filtration dition As		ent	Asset Co Date	ode: : 26-01-2023
Nam	e	Ν	Nohalla	Farooqi	Pi	ctures	
Location	Latitude		31.30	8111			
	Longitude		72.32	5079		144417	H.
Addre	SS	Ν	Nohalla	Farooq	а		
Installatio	n Year		20	13		(ALTON	state 1
Installing /			PH				
O&M Ag	-		MC J	-			
Filtration Capacit			10				g. Punjab. Pakistan
Operationa			1	_		8850 Lat 3	+45C, Jhang, Punjab, Pakistan 1.308111°
No. of T	-		3	-		Google 27/0	72.325079° /23 10:26 AM GMT +05:00
Effluent Test (I	-		Not Av	ailable			
Latest water qua carried			Not Av	ailable		-	C
If yes, which							
paramet			Not Av	ailable			
Findings of wa analys	ter quality		Not Av	ailable		7 - 4	
In case of any par the permissible steps are taken to wate	limit, which provide safe		Not Av	ailable	8850 Lat 3 Long	Ig. Punjab, Pakistan 146C, Jhang, Punjab, Pakistan 1302216 <sup>2</sup> 72,32509 <sup>14</sup>	
Plant T	уре	RO			200gle 27/0	/23 10:28 AM GMT +05:00	
Source of	Water	Local Tube Well Public Water Supply			У		
Working	Status	Function	al	Non-Functional			Colonea.
Pumping	Unit	Yes			No		N.S.R.D
Control I	Panel	Yes		No			3030
Service (	Cable	Yes			No		ALC: N
Ultraviole	t Lamp	Yes			No	2 have	1 Atto parts
Takeaway Hal	Condition	Good	Fa	ir Poor			A mar 1
Building Structu	re Condition	Good	Fa	ir	Poor	Jhar	Ig, Punjab, Pakistan +WRR, Jhang, Punjab, Pakistan
Approach to P	ump House	Good	Fa	ir	Poor	Long	1.304849° 72.322038° //23 10:25 AM GMT +05:00
			Overa	II Ratin	-		
Average Score	1	2			3	4	5
Asset Condition	Excellent	Goo	d		Fair	Poor	Failing
Category	Α	В			С	D	E
			narks / F	Require	ments		
<ul> <li>Vessel, me</li> </ul>	onal as electricit mbrane, gauge i s rehabilitation missing			need t	o be replaced		
Data Collected I	Designation: Team Member				Julo	ĥ	

		Sign & Date: 15 May 2023
Data Checked By: Mr. M Fiaz	Designation: Team Lead	Maypy
		Sign & Date: 15 May 2023

	Integrated Development And Asset Management Plan (IDAMP) Municipal Committee Jhang										
Form IDAMP-	-			ater Filt Condit		Plant		Asset Co Date	ode: : 26-01-2023		
	Name			Milad	Chowl	(		Picture	s		
	La	ititude	31.304880					1. 1. A company			
Location	Loi	ngitude		72.3	22074						
	Address			Milad	Chowl	K					
Insta	allation Y	ear		20	013						
Insta	lling Age	ncy		PH	HED		~		The second second		
-	M Agend			MC	Jhang			Jhang, Punjab, Pa	Kistan		
Filtration Ca	-	-			000		and the second se	883C+WRR, Jhang, Lat 31.304867°			
Opera	ational H	ours		-	12		3	Long 72.322087° 27/01/23 10:17 AM	GMT +05:00		
N	o. of Tap	S			8			21/01/23 10:17 ANT	SIMT +03.00		
Effluent T	est (If A۱)	/ailable)		1	No						
Latest wat ca	er quality rried out		Not Available						*		
If yes, which	lab and p	oarameters?	Not Available								
Findings of wa	Findings of water quality analysis?			Not A	vailable	5					
In case of an the permissik are taken to	ole limit,	which steps	Not Available								
	lant Type		RO UV					Jhang, Punjab, I 883C+WRR, Jhang Lat 31.304819*	Pakistan 9, Punjab, Pakistan		
	ce of Wa					blic Water Supply		Google 27/01/23 10:09 AM	4 GMT +05:00		
Wor	rking Stat	tus	Function	onal	Non	-Functional					
Pur	mping Un	nit	Yes	;		No					
Cor	ntrol Pan	el	Yes	;		No					
Ser	vice Cab	le	Yes	;		No			6		
Ultra	violet La	mp	Yes	;		No		and the second s			
Takeawa	y Hall Co	ndition	Good	F	air	Poor			T		
Building St	ructure (	Condition	Good	F	air	Poor		Jhang, Punjab, I	Pakistan		
Approach	n to Pum	p House	Good	F	air	Poor		883C+WRR, Jhans Lat 31.30435* Long 72.322065* 27/01/23 10:08 AN	g, Punjab, Pakistan		
				(	Overall	Rating					
Average Sco	ore	1	2			3		4	5		
Asset Condit	tion	Excellent		Good		Fair		Poor	Failing		
Category		Α		В		С		D	E		
				Rema	rks / R	equirements					

<ul> <li>Non-functional from 3 months</li> <li>Floor needs rehabilitation</li> <li>Taps were missing</li> </ul>		
Data Collected By: Mr. Abdullah	Designation: Team Member	Julih Sign & Date: 15 May 2023
Data Checked By: Mr. M Fiaz	Designation: Team Lead	Sign & Date: 15 May 2023

		Integra			Asset M ommitte	anagement Pla	n (IDAMP)
Forn				Filtratio	n Plant	_	Asset Code: Date: 26-01-2023
Name	-A4		Asset Con		Adda	int	Pictures
Name	Latitude				88780		Pictures
Location	Longitud	0		_	24340		
Address					Adda		
Installation Y	/ear			-	)17		
Installing Age					HED		1
O&M Agency	-				Ihang		
Filtration Ca		r/Hour)			000		
Operational		,,		1	2		2
No. of Taps	•				8	THE POINT PARTY	
Effluent Test	(If Availab	ole)		Ν	10	Hand allow deputers 2 +	
Latest wate carried out?	er qualit	y analysis		Not A	vailable	Unang Sadar, Punjah, Pakistan Od Okrek Kurai Kura, Anag Sadar, Punjah, Pakistan Dd Okrek Kurai Kura, Anag Sadar, Anag Anag Sadar, Shaker Una 2009	
If yes, which	lab and pa	rameters?		Not Av	vailable	27/2/22 10:48 MM GMT -(5:50)	
Findings of w	ater quali	ty analysis?		Not Av	vailable		
In case of a the permissi are taken to	ble limit, v	which steps		Not Av	vailable		
Plant Type	<u> </u>		RO			UV	
Source of Wa	ater		Local Tube	Well	Public	Water Supply	
Working Stat	tus		Function	al	No	n-Functional	
Pumping Uni	t		Yes			No	Jhang Sadar, Punjab, Pakistan
Control Pane	Control Panel					No	Old Christe MJ. Narer Avera, Alway Saddar, Janua, Puljek, Zodar VAS, Ben Balano Itara, Baraka, Janua, Punjek, Pulaktern Lang 2002/2
Service Cable	Service Cable					No	Google 2009 Jacket Amount +0600
Ultraviolet La	Ultraviolet Lamp				No		
Takeaway Ha	all Conditio	on	Good	F	air <b>Poor</b>		
<b>Building Stru</b>	cture Cond	dition	Good Fair			Poor	
Approach to	Pump Hou	ise	Good	F	air	Poor	

				Overall	Pating			Sadar, Annual Pur Hannung Badar, Annual Pur Hannung Badar, Mannung Badar, Mannung	
Average Se	oro	1	2	Overall	3		4	5	
Average Sc		Excellent		, al	Fair		4		
Asset Condi			Goo	bu			Poor	Failing	
Category	y	A	B	norka / Da	C equirements		D	E	
<ul><li>Door</li><li>Floor</li></ul>	Leakage was mis needs re were mi	sing ehabilitation						,	
Data Collecte	ed By: Mr	. Abdullah	Designatio	n: Team N	1ember	Julish Sign & Date: 15 May 2023			
Data Checkec	d By: Mr.	M Fiaz	Designatio	n: Team L	ead	Sign & Date: 15 May 2023			
		Integr	ated Developme Mun		set Manageme nmittee Jhang			y 2025	
Form	:		Water Filt	ration Pla	nt		Asset Code	e:	
IDAMP-	A4		Asset Condition	on Assessi	ment	Date: 26-01-2023			
	Name		Rasheed	d Chowk			Pictures		
Location		titude		0210					
		gitude	72.32						
	Address			d Chowk	———	12-5-			
-	llation Y		20 MC I				1200.14		
	lling Age M Agenc	-		hang hang		1 . Yes			
Filtration Ca		-		nang 00		AN S	La Contra		
-		-		2				DK-	
	Operational Hours No. of Taps			5			Jhang, Punjab, Pakis	tan	
Effluent T			N	0			78RH+48V, Old Chinlot Rd, J- Pakistan	صد Jhang, Punjab 35200,	
Latest wate car	er quality rried out	y analysis ?		ailable		Google	Lat 31.29021* Long 72.32867* 27/01/23 10:43 AM GMT +05	:00	
par	which lak rameters	?	Not Available						
Findings of a	of water nalysis?	quality	Not Av	ailable					

In case of any par the permissible steps are taken to wate	limit, which provide safe	1	Not Av	ailabl	e			
Plant T		RO			UV			a : 14 4 4
Source of Water		Local Tube	Well		Public Water Supply			- The second
Working Status		Functior	nal	Non	-Functional			Jhang, Punjab, Pakistan
Pumping	Unit	Yes			No			78R+4489/, Clid Chinlot Rd, →→ Jhang, Punjab 35200, Pakistan Lat 31:2021+
Control F	Panel	Yes			No		Google	Long 72.328672* 27/01/23 10:43 AM GMT +05:00
Service C	Cable	Yes			No			
Ultraviole	t Lamp	Yes			No			Same a
Takeaway Hall	-	Good	Fa	air	Poor		E	Small Rest Card and and and and and and and and and an
Building Structu		Good	Fa	air	Poor	1		
Approach to Pe	Approach to Pump House		Good Fair		Poor			Unit 2010/2014 - David
				Ove	erall Rating			
Average Score	1		2		3		4	5
Asset Condition	Excellent	Ģ	iood		Fair		Poor	Failing
Category	Α		B	en o vilco	C Requirem		D	E
<ul><li>Replace do</li><li>Filter Media</li></ul>	onal from 1 mon sing pump, electi a was not workin s rehabilitation missing	ric breaker an						
Data Collected E	h De	Designation: Team Member				0	-1Sh & Date: 15 May 2023	
Data Checked	Designation: Team Lead					Sign	wffy & Date: 15 May 2023	

	Integrated Development And Asset Management Plan (IDAMP)									
			Municipal Committee Jhang							
Form: IDAMP-A4			Water Filtration Plant Asset Condition Assessment	Asset Code: Date: 26-01-2023						
Name			Shadab Colony	Pictures						
1	Latitude		31.283958							
Location	Longitud	le	72.327682							
Address	Address		Jail Road Shadab Colony							
Installation Year			2017							
Installing Agency			Buildings Department							

# Integrated Development and Asset Management Plan (IDAMP) (2023-24, 2024-25, 2025-26) Municipal Committee Jhang

I	г						
O&M Agency				hang			
Filtration Capacity				000			L. L.
Operational Hour	S			.2			
No. of Taps				8		+ tig an	R to 12
Effluent Test (If A	-		Ν	lo			
Latest water qu carried out?			Not Av	vailable			and the
If yes, which parameters?	n lab and		Not Av	vailable		DEWA Sadar Let 31	ng Sadar, Punjab, Pakistan N WALI: 78MH+R6C, Jalabad Jhang Jhang, Punjab, Pakistan 283958° 72327682°
Findings of w analysis?	ater quality		Not Av	/ailable		27/01	23 11:55 AM GMT +05:00
In case of any part the permissible steps are taken t water?	limit, which		Not Av	/ailable			
Plant Type		RO			UV	- Acres	
Source of Water		Local Tube	Well	Public	Water Supp	ly	and all have been and
Working Status		Function	al	Nor	n-Functional		El des loss Consul
Pumping Unit		Yes			No	DEWA	ng Sadar, Punjab, Pakistan NWALI-78MH+R6C, Jalabed Jhang Janas, Punjab, Pakistan
Control Panel		Yes			No	Let 31 Long	Jinang, Punjab, Makastan 283958* 72.327682* 22.11:54 AM GNIT +05:00
Service Cable		Yes			No		
Ultraviolet Lamp		Yes			No		
Takeaway Hall Co	ndition	Good Fa		air	Poor	and the second	Alt
Building Structure	e Condition	Good	iood Fa		Poor		0 0
Approach to Pum	p House	Good	Good Fa		Poor	Long	An Anna Anna Anna Anna Anna Anna Anna A
			Overa	ll Ratin	g		
Average Score	1	2			3	4	5
Asset Condition	Excellent	Goo	bd		Fair	Poor	Failing
Category	Α	В			С	D	E
		Rem	narks / I	Require	ments		
<ul> <li>Pipe Leak</li> <li>Vessel no</li> <li>Floor nee</li> <li>Taps were</li> </ul>	t working ds rehabilitatior	1					
Data Collected By.		Designatio	on: Teai	m Mem	ber	Junto Sign & Date: 15 N	
Data Checked By:	Mr. M Fiaz	Designatio	on: Teai	n Lead		way	'nz
	Integrated	Development	An <u>d As</u>	set <u>Ma</u> i	nagement Pla	Sign & Date: 15 N an (IDAMP)	1ay 2023

				Mu	nicip	al Con	nmittee Jha	ng			
Form	-		As				n Plant sessment		Asset Code: Date: 26-01-2023		
Name					Sadio	qabad			Picture	25	
	Latituc	le				50046					
Location	Longit	ude	72.353806				1				
Address	Address				oad, S	atellit	e Town				
Installation	Year				20	)17					
Installing Ag	ency				PH	IED		1		1	
O&M Agenc	у				MC.	Ihang		P P		OPS Map Camera	
Filtration Ca	pacity (	Liter/Hour)			20	000			Jhang, Punjab, P	akistan nang, Punjab, Pakistan	
Operational	Hours				1	12			Lat 31.250107°	ang, ranjab, rakistan	
No. of Taps						8		Goog	Long 72.353752 27/01/23 01:26 PM	GMT +05:00	
Effluent Tes	t (If Ava	ilable)			Ν	10					
Latest wate carried out?	-			Ν	lot Av	vailab	le		B1		
parameters		lab and	Not Available							A A	
analysis?	s?			Not Avaliable					a a a	A	
the permis	In case of any parameter above the permissible limit, which steps are taken to provide safe			Not Available					Naya Shehar, P enca vite tai 31 2000ar tai 31 2000ar	La per Maia Lanara unjab, Pakistan ad, Naya Shehar, tan	
Plant Type			RO UV						27/01/23 01:23 PM G	MT +05:00	
Source of W	ater		Local Tube Public Water Well Supply								
Working Sta	tus		Fu	nctio	nal	Non	-Functional		Varia-Integ		
Pumping Un	it			Yes			No				
<b>Control Pan</b>	el			Yes			No				
Service Cabl	e			Yes			No			Eat	
Ultraviolet L	•			Yes			No		The	COPE Map Camera	
Takeaway H			Go			air	Poor		egx3+WPF, Baste Ro Jhang, Punjab, Pakis Lat 31.250023*		
Building Stru			Go			air	Poor		Google Long 72.353798* 27/01/23 01:25 PM G	MT +05:00	
Approach to	Pump	House	Go	bod		air	Poor				
Average S	core	1			2	verall	Rating 3		4	5	
Average 3		Excellen	-	6	2 iood		Fair		4 Poor	Failing	
Catego		A			B		C		D	E	
catego	• •	~		R		ks / R		s		-	
• new	Remarks / Requirements         • Membrane, Panel board, butterfly valve, golden pump needs replacement         • new bore required         • Floor needs rehabilitation										
Data Collect							n Member		Sign & Date: 15 N		

Data Checked By: Mr. M Fiaz	Designation: Team Lead	white
		Sign & Date: 15 May 2023

		Integrated					Plan (IDAMP)	
			Munic	ipal Co	mmitte	e Jhang		
Form:			Water F			-	Asset	Code:
IDAMP-/	A4		Asset Conc				Date: 26-01-2023	
Name					Colony	1	Pie	ctures
Location	Latitude	e		31.26	57302		a the particular of the second se	11
Location	Longitu	de		72.30	)5853		and the second	25
Address				Behari	Colony	1		The IT
Installation Y	'ear			20	13			
Installing Age	ency			PH	IED		HI P	
O&M Agency	/			MCJ	hang			
Filtration (Liter/Hour)		Capacity		10	000		Naya	Shehar, Punjab, Pakistan
Operational	Hours			1	.2		7982-v7 Sateline Let 912 Long 72	350734*
No. of Taps				1	8		Google 27/01/28	12:49 PM GMT +05:00
Effluent Test	(If Avai	lable)		Ν	lo			
Latest water carried out?	r qualit	y analysis		Not Av	vailable		CT1	
If yes, w parameters?		lab and		Not Av	vailable	1	10	
Findings of analysis?	wate	r quality		Not Av	vailable			
In case of	any p	parameter				* *		
above the p				Not Av	vailable	Jhan	g, Punjab, Pakistan	
which steps		taken to			anabre	Block U Lat 31.2	seem Shaheed Road, Behari Colony I Satellite Town, Jhang, Punjab, Pakistan 187302* . 350653°	
provide safe	water?							312:51 PM GMT +05:00
Plant Type			RO			UV		
Source of Wa			Local Tube			blic Water Supply		S &
Working Stat			Function	al	Nor	-Functional	and the second se	
Pumping Uni			Yes			No	and the second s	
Control Pane			Yes			No	and the	A SA
Service Cable			Yes			No	1 th	
Ultraviolet La	-		Yes			No		
Takeaway Ha			Good	Fa	air	Poor	Jhan	g, Punjab, Pakistan ehan Colony Block U Satellite Town,
Building Stru			Good		air	Poor	Lat 31. Long 7	Punjab, Pakistan 267481° 2.350723*
Approach to	Pump H	louse	Good		air	Poor	27/01/2	3 12:49 PM GMT +05:00
				Overa	ll Ratin	-		
Average Sco		1	2		<u> </u>	3	4	5
Asset Condit	ion	Excellent	Goo	d		Fair	Poor	Failing
Category		Α	B C				D	E
				arks / F	Require	ements		
<ul> <li>Non-</li> </ul>	functio	nal from 1 r	nonth					

Bore closed								
<ul> <li>RO machinery, pressure put</li> </ul>	RO machinery, pressure pump, Dosing Pump, Panel Board, Bib Cork needs replacement							
Floor needs rehabilitation,	Taps were missing							
Data Collected By: Mr. Abdullah Designation: Team Member Sign & Date: 15 May 2023								
Data Checked By: Mr. M Fiaz	Designation: Team Lead	Sign & Date: 15 May 2023						

		Integrat	ed Developme	nt And A	Asset M	anagement Pla	n (IDAMP)
			Muni	cipal Co	ommitte	e Jhang	
Form IDAMP-			Water Asset Con	Filtratio dition A			Asset Code: Date: 26-01-2023
Name			Fa	isalaba	d Jalalak	bad	Pictures
Location	Latitude			31.28	80209		
Location	Longitud	le		72.32	29305		
Address			Fa	isalaba	d Jalalak	bad	
Installation Y	'ear			20	006		
Installing Age	ency			C8	&W		
O&M Agency	1			MC.	Ihang		A REAL
Filtration Cap	oacity (Lit	er/Hour)		20	000		
Operational I	Hours			1	12		
No. of Taps					8		
Effluent Test	(If Availa	ble)	No			and the second	
Latest wate carried out?	er qualit	y analysis	Not Available			Hang Sadar, Punjab, Pakistan 784++VQP, Juakad Juay Sadar, Jung, Ruga, pukatan Luga, pukatan	
If yes, which	lab and p	arameters?	Not Available				Cocgle Long 72.320493* 27/01/23 11:15 AM OMT +05:00
Findings o analysis?	f wate	r quality	Not Available			300 A.	
In case of ar the permissik are taken to	ole limit, v	which steps	Not Available				
Plant Type			RO			UV	
Source of Wa	iter		Local Tube	Well	Public	Water Supply	
Working Status		Function	al	Noi	n-Functional		
Pumping Unit		Yes			No	Jhang Sadar, Punjab, Pakistan Umamed Road, Jlababad Jhang Sadar, Uman Punlak Pekistan	
Control Panel		Yes			No	Log 31280/219* Coogle 22.32448* 2701/32 1113 AM 6MT 405:00	
Service Cable		Yes			No		
Ultraviolet La	amp		Yes			No	]
Takeaway Ha	II Conditi	on	Good	F	air	Poor	
<b>Building Stru</b>	cture Cor	dition	Good	Good <b>Fair</b> Poor		]	
Approach to	Pump Ho	use	Good	F	air	Poor	

							pui committee site
						Unname Jhang, Let 31 2 Long 22	S adar, Pupiah, Pakistan, Rates, Jandar da Bata, Bartow, Jandar da Bata, Rates, Jandar da Bata,
				Overal	l Rating		
Average So	core	1		2	3	4	5
Asset Cond	ition	Excellen	t G	bod	Fair	Poor	Failing
Categor	'Y	Α		В	С	D	E
			Re	emarks / R	equirements		
<ul><li>Pum</li><li>all n</li><li>Floor</li></ul>	np Leaka nachiner	y needs to b rehabilitatio	e replaced,				
Data Collect	ed By: M	lr. Abdullah	Designa	tion: Team	n Member	Sign & Date: 15 M	
Data Checke	d By: Mi	r. M Fiaz	Designa	tion: Team	Lead	Sign & Date: 15 Ma	y av 2023
		Integr	ated Developm	ent And A	sset Management F		.,,
			Mu	nicipal Co	mmittee Jhang		
Form IDAMP			Water Fi Asset Condi	ltration Pl tion Asses		Asse	et Code: Date: 26-01-2023
Name			МС	Office		Pictures	
	Latitud	e	31.2	278869			
Location	Longitu	ıde	72.3	313138			
Address			Circular Road,	Near Tang	a Adda		
Installation	Year		2	006		and the second	
Installing Ag	ency			EPD		Ru main	- The la
O&M Agency			MC	Jhang	4 🚯		
Filtration Capacity (Liter/Hour)			2	000			PLAN
Operational	Hours			12			GPS Map Camera
No. of Taps				8		Jhang Sadar, Punjab, 78H6+RV7, Circular Rd, Bhab	
Effluent Test (If Available)				No		Colony, Jhang Sadar, Jhang, I Lat 31.274593°	
Latest wate carried out?		Not A	vailable	Google	Long 72.312057* 27/01/23 09:34 AM GMT +05	:00	
parameters		lab and	Not A	vailable			
Findings o analysis?	f wate	er quality	Not A	vailable			

In case of any para the permissible steps are taken to water?	limit, which	٦	Not Ava	ailab	le		الإقلاقين إلى	
Plant Type		RO		UV			- Belfick A. Holes	
Source of Water		Local Tu Well			Public Water Supply			Ô
Working Status		Functio	nal	Non	-Functional		Jhang S	adar, Punjab, Patrata
Pumping Unit		Yes			No		Jhang Sadi Lat 31,2787	ur Jhang, Punjab, Pakistan 75° 1786
Control Panel		Yes			No		Google 27/01/23 0	9:37 AM CMT +05:00
Service Cable		Yes			No		the second second	a second s
Ultraviolet Lamp		Yes			No			
Takeaway Hall Cor	ndition	Good	Fa	ir	Poor			
<b>Building Structure</b>	Condition	Good	Fa	ir	Poor			
Approach to Pump	) House	Good	Fa		Poor		78H7+G7J, Jhang Sada Long 72.31	More and a second
				Ονε	erall Rating			
Average Score	1		2	3			4	5
Asset Condition	Excellent	0	Good		Fair		Poor	Failing
Category	Α		В		С		D	E
Filter box	ia was not wo with frame ne	eds replace		narks	/ Requirem	ients		
Floor need	ls rehabilitatio	on						
Data Collected By: Mr. Abdullah		Design	Designation: Team Member			Sign & Date: 15 M		
Data Checked By: I	Design	nation:	Tean	n Lead		Mayf Sign & Date: 15 N	Ny 2023	

D.	Water Supply Network					
Sr #	Dia	Length (meter)	Age (Years)	Condition	Material	Book Value (PKR Mil)
2	4"	244	37		AC	0
3	6"	1874	37		AC	0
4	8"	671	37	Failing	AC	0
5	10"	274	37		AC	0
6	12"	457	37		AC	0

Integrated Development And Asset Management Plan (IDAMP)								
		ſ	Municipal C	ommittee Jhar	ng			
Form: IDAMP-A5			oly Networl on Assessm			Asset Co Da	de: te: 26-01-2023	
Descri	iption		Area (Acres)	Area (Acres) w.r.t MC Boundary	Percentage w.r.t MC Boundary	Built-up Area (Acres)	Percentage w.r.t Built- up Area	
Serveo	d Area		639		6		11	
Contamin	ated Area		-	10,045	-	5621		
Water Sho	rtage Area		-	10,045	-	JUZI		
Unserve	ed Area		4,982		49		89	
Latest water quali out for commu				Yes			No	
If yes, which lab a	and paramete	ers?			Not Available			
Findings of water	quality analy	/sis?	Not Available					
In case of any para permissible limit of are taken to prov water to the	PEQSs, which vide safe drin	n steps	Not Available					
Any complai contamination re consu	eceived from	the	Yes No					
If yes, which step resolve the o		n to			Not Available			
Pipe Dia (inches)	Pipe Material	Len	gth (ft)	Yea	r of Laying	1	Age of Pipe	
3	-		-		-			
4	A.C		800		1986		37 Years	
6	A.C	(	5150		1986		37 Years	
8	A.C		2200		1986		37 Years	
10	A.C		900		1986		37 Years	
12	12 A.C				1986		37 Years	
			Remarks /	Requirements				
• As per bench m	ark Pipes had	out live	ed their life.					
Data Collected By: N	As per bench mark Pipes had out live Data Collected By: Mr. Abdullah Des					Juli	'n	

		Sign & Date: 15 May 2023
Data Checked By: Mr. M Fiaz	Designation: Team Lead	Maypay
		Sign & Date: 15 May 2023

#### E. Vehicles/ Machinery

Sr #	Name	Registration Number	Age (Years)	Condition	Status	Book Value (PKR Mil)	Capacity
1	Water Bowser	JGG 1053	17	Good	Functional	0.4	85 Hp
2	Water Bowser	JGG 1054	17	good	Functional	0.4	85 Hp

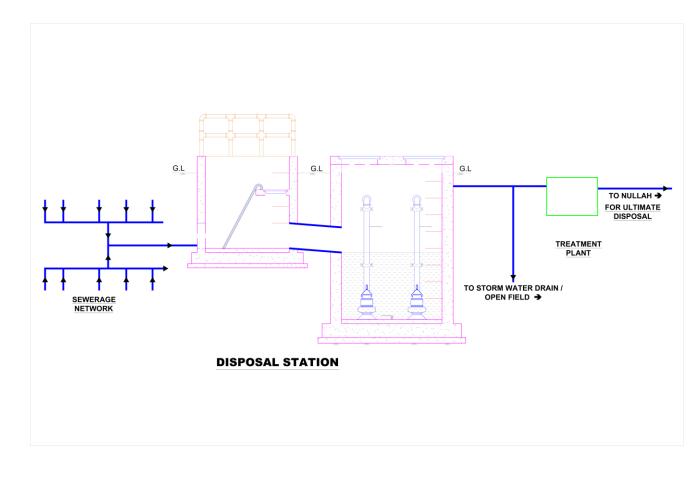
	Integrated Development and Asset Management Plan (IDAMP)									
	Municipal Committee Jhang									
Form:		Moveable Asset Asset Code:								
IDAMP-A16		Asset Condition Assessment	Date: 27-03-2023							
Type of Vehicle / Machinery		Pict	ures							
Water Bowser										
		Water Bowser No.1	Water Bowser No. 2							
Capacity		500 gallons	500 gallons							
Purpose		Water Supply	Water Supply							
Year of Manufacturing	5	2006	2006							
Model		FIAT NH 640	FIAT NH 640							
Capital Cost		Not Available	Not Available							
Fuel Consumpt (Liters/month)	ion	300	80							
Condition										
Engine Capacity		85hp	85hp							
Maintenance Cost		Not Available	Not Available							
Oiling /Fitness		Yes	Yes							
Fitness Certificate		No	No							
Registered		JGG 1053	JGG 1054							
Overall Rating		Good	Good							
		Remarks / Requirements								
These vehicles already out lived their lives but functioning.										
Data Collected By: Mr. Abdullah Designation: Team Member										

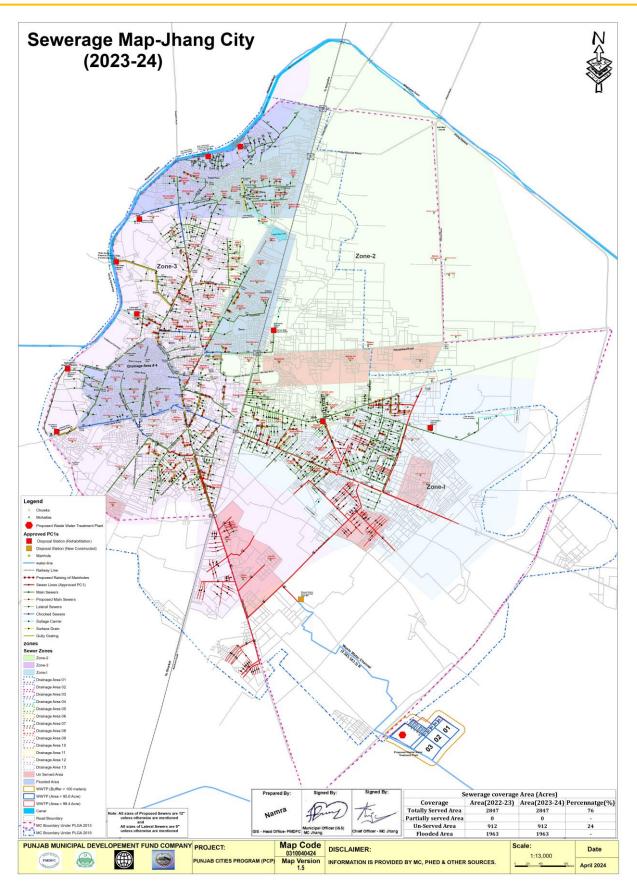
Data Checked By: Mr. M Fiaz	Designation: Team Lead	Maypy
		Sign & Date: 15 May 2023

Annexure

# 2. Sewerage

## 2.1 Key Components of Sewerage System





#### B. Sewerage Network

Sr #	Dia	Length (meter)	Age (Years)	Condition	Book Value (PKR Mil)	Material
1	9″	788			0.18	
2	12"	671			0.17	
3	15″	547			0.17	
4	18″	368			0.13	
5	21"	304			0.13	
6	24"	254			0.13	
7	27"	240			0.18	
8	30"	398			0.38	
9	33"	219			0.24	
10	36"	1009	9	Excellent	1.24	RCC
11	12"	324			0.08	
12	15″	153			0.05	
13	18″	317			0.11	
14	21"	147			0.06	
15	24"	146			0.08	
16	27"	148			0.11	
17	30"	297			0.28	
18	12″	185			0.05	
19	15″	293			0.09	

Sr #	Dia	Length (meter)	Age (Years)	Condition	Book Value (PKR Mil)	Material
20	18"	194				
20					0.07	
21	9″	2,847			0.05	
22	15"	589			0.03	
23	18"	551			0.04	
24	21"	1,573	38	Failing	0.045	
25	24"	1,024			0.01	
26	27"	488			0.01	
27	30"	1,053			1.53	
28	9"	6,247			0.72	
29	12"	2,573			0.96	
30	15″	2,807			0.56	
31	18"	1,494			0.78	
32	21"	1,639			0.22	
33	24"	384 8 Excellent	384 8	Excellent	0.17	
34	27"	213			0.98	
35	30"	958	958		1.68	
36	33"	1,413			1.33	
37	36"	1,009			3.55	
38	42"	2,076			0	
39	15″	604			0	
40	18″	619			0	
41	21"	605	47	Failing	0	
42	24"	296			0	
43	27"	968			0.03	
44	9"	317	31	Failing	0.00	
45	15"	80	5±		0.00	

Sr #	Dia	Length (meter)	Age (Years)	Condition	Book Value (PKR Mil)	Material
46	18″	944			0.01	
47	24"	374			0.01	
48	27"	285			0.00	
49	33"	718			0.01	
50	36"	1181			0.03	
51	42"	325			0.01	
52	9″	7,181			1.01	
53	12"	6,234			0.99	
54	15"	7,573		Fair	1.48	
55	18"	3,255			0.69	
56	21"	4,073			1.11	
57	24"	4,383	17		1.43	
58	27"	2,767			1.25	
59	30"	392			0.23	
60	33"	387			0.26	
61	36"	1,914			1.44	-
62	42"	1,453			1.42	-
63	9″	12,956			0.05	-
64	12"	1,347			0.01	
65	15″	645	31	Failing	0.00	
66	18"	320			0.00	
67	21"	318			0.00	

Sr #	Dia	Length (meter)	Age (Years)	Condition	Book Value (PKR Mil)	Material
68	24"	410			0.00	
69	27"	612			0.01	
70	9″	10,406			0	
71	12"	2,351	48	Failing	0	
72	15″	1,053	40	Failing	0	
73	18″	833			0	
74	9″	4,158			0.13	
75	12"	174	19	Fair	0.01	
76	15″	237			0.01	
77	9″	1,279			0.02	
78	12"	754			0.01	
79	15″	1,258	28	Failing	0.02	
80	18″	660			0.01	
81	21"	324			0.01	
82	24"	1,374			0.04	

	Integrated Development And Asset Management Plan (IDAMP)								
	Municipal Committee Jhang								
Form: IDAMP-A6		Sewerage Network Asset Code: Asset Condition Assessment Date: 26-01-2023							
Descri	Area (Acres)	Area (Acres) w.r.t MC Boundary	Percentage w.r.t MC Boundary		Built-up Area (Acres)		Percentage w.r.t Built- up Area		
Served	l Area	2,847		28	8			50	
Floode	d Area	1,863	10,045	20 9		5,621		33	
Unserve	ed Area	912						17	
Type and numbe received to N sewerage	/IC regarding		300/Month						
Steps conside resolve the	-	Not Available							
Name of Disp	oosal Station	Goghaywala							
Pipe Dia (inches)	Pipe Material	Length (ft)	No. Manhe	Year		of Laying	A	ge of Pipe	
9	RCC	2,584	52		20	14-16		7-9 Years	
12	RCC	2,202	22		20	14-16		7-9 Years	

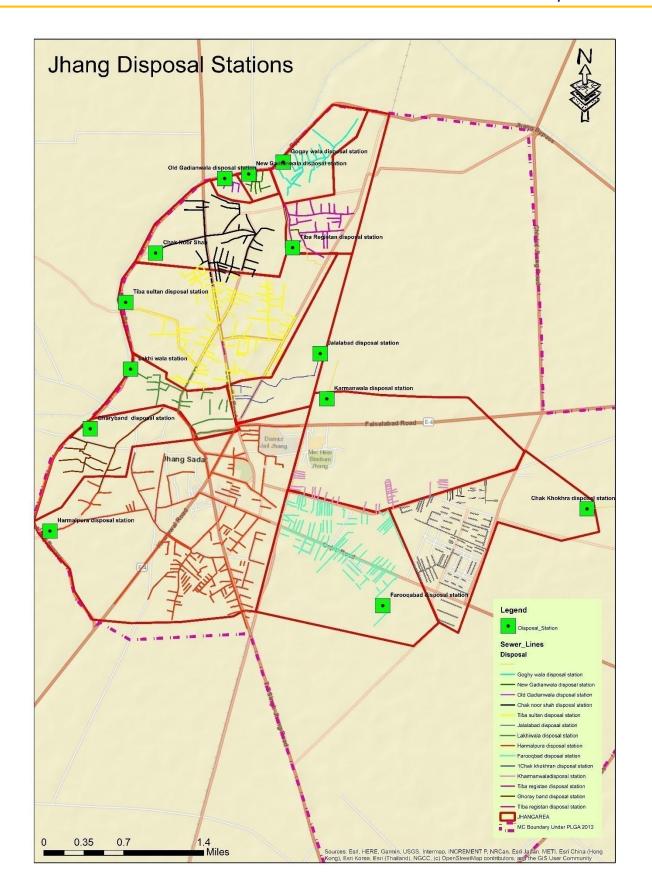
	Integrated D	evelopment And A	sset Management	Plan (IDAMP)	
			nmittee Jhang		
		•	-		
Form:		Sewerage Net	work	Asset	Code:
IDAMP-A6		Asset Condition As	sessment		Date: 26-01-2023
15	RCC	1,795	12	2014-16	7-9 Years
18	RCC	1,209	6	2014-16	7-9 Years
21	RCC	996	4	2014-16	7-9 Years
24	RCC	834	3	2014-16	7-9 Years
27	RCC	788	3	2014-16	7-9 Years
30	RCC	1,307	4	2014-16	7-9 Years
33	RCC	718	2	2014-16	7-9 Years
36	RCC	3,309	11	2014-16	7-9 Years
	posal Station	New Gadianwa	la		
Pipe Dia (inches)	Pipe Material	Length (ft)	No. of Manholes	Year of Laying	Age of Pipe
9	-	-	-	-	-
12	RCC	1,064	11	2014-16	7-9 Years
15	RCC	501	3	2014-16	7-9 Years
18	RCC	1,040	5	2014-16	7-9 Years
21	RCC	481	2	2014-16	7-9 Years
24	RCC	478	2	2014-16	7-9 Years
27	RCC	487	2	2014-16	7-9 Years
30	RCC	976	3	2014-16	7-9 Years
Name of Dis	posal Station	Old Gadianwala	A		
Pipe Dia	Pipe Material	Length (ft)	No. of	Year of Laying	Age of Pipe
(inches)	Pipe Materia	Length (it)	Manholes	real of Laying	Age of Pipe
9	-	-	-	-	-
9 12	- RCC	- 608	- 6	- 2014-16	- 7-9 Years
-	- RCC RCC	- 608 962	- 6 6	- 2014-16 2014-16	- 7-9 Years 7-9 Years
12 15 18	RCC RCC	962 637	- 6 6 3		
12 15 18 Name of Dis	RCC	962	- 6 6 3	2014-16	7-9 Years
12 15 18 Name of Dis Pipe Dia	RCC RCC posal Station	962 637 Chak Noor Shal	- 6 3 1 No. of	2014-16 2014-16	7-9 Years 7-9 Years
12 15 18 Name of Dis	RCC RCC	962 637	- 6 6 3	2014-16	7-9 Years
12 15 18 Name of Dis Pipe Dia (inches) 9	RCC RCC posal Station	962 637 Chak Noor Shal	- 6 3 1 No. of	2014-16 2014-16	7-9 Years 7-9 Years
12 15 18 Name of Dis Pipe Dia (inches) 9 12	RCC RCC posal Station Pipe Material RCC -	962 637 Chak Noor Shal Length (ft) 9,342	- 6 3 3 No. of <u>Manholes</u> 187 -	2014-16 2014-16 Year of Laying 1985-86	7-9 Years 7-9 Years Age of Pipe 37-38 Years
12 15 18 Name of Dis Pipe Dia (inches) 9 12 15	RCC RCC posal Station Pipe Material RCC - RCC	962 637 Chak Noor Shal Length (ft) 9,342 - 1,934	- 6 3 3 No. of Manholes 187 - 13	2014-16 2014-16 Year of Laying 1985-86 - 1985-86	7-9 Years 7-9 Years Age of Pipe 37-38 Years - 37-38 Years
12 15 18 Name of Dis Pipe Dia (inches) 9 12 15 18	RCC RCC posal Station Pipe Material RCC - RCC RCC	962 637 Chak Noor Shal Length (ft) 9,342 - 1,934 1,807	- 6 3 1 No. of Manholes 187 - 13 9	2014-16 2014-16 Year of Laying 1985-86 - 1985-86 1985-86	7-9 Years 7-9 Years <b>Age of Pipe</b> 37-38 Years 37-38 Years 37-38 Years
12 15 18 Name of Dis Pipe Dia (inches) 9 12 15 18 21	RCC RCC posal Station Pipe Material RCC - RCC RCC RCC	962 637 Chak Noor Shal Length (ft) 9,342 - 1,934 1,807 5,161	- 6 3 3 No. of Manholes 187 - 13 9 21	2014-16 2014-16 Year of Laying 1985-86 1985-86 1985-86 1985-86	7-9 Years 7-9 Years <b>Age of Pipe</b> 37-38 Years 37-38 Years 37-38 Years 37-38 Years
12 15 18 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24	RCC RCC posal Station Pipe Material RCC - RCC RCC RCC RCC RCC	962 637 Chak Noor Shal Length (ft) 9,342 - 1,934 1,807 5,161 3,361	- 6 3 3 <b>No. of</b> Manholes 187 - 13 9 21 13	2014-16 2014-16 Year of Laying 1985-86 - 1985-86 1985-86 1985-86 1985-86	7-9 Years 7-9 Years <b>Age of Pipe</b> 37-38 Years - 37-38 Years 37-38 Years 37-38 Years 37-38 Years
12 15 18 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24 24 27	RCC RCC posal Station Pipe Material RCC - RCC RCC RCC RCC RCC RCC	962 637 Chak Noor Shal Length (ft) 9,342 - 1,934 1,807 5,161 3,361 1,601	- 6 3 3 No. of Manholes 187 - 13 9 21 13 5	2014-16 2014-16 Year of Laying 1985-86 - 1985-86 1985-86 1985-86 1985-86 1985-86	7-9 Years 7-9 Years <b>Age of Pipe</b> 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years
12 15 18 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24 24 27 30	RCC RCC posal Station Pipe Material RCC - RCC RCC RCC RCC RCC RCC RCC RCC R	962 637 Chak Noor Shal Length (ft) 9,342 - 1,934 1,807 5,161 3,361 1,601 3,456	- 6 3 3 <b>No. of</b> Manholes 187 - 13 9 21 13	2014-16 2014-16 Year of Laying 1985-86 - 1985-86 1985-86 1985-86 1985-86	7-9 Years 7-9 Years <b>Age of Pipe</b> 37-38 Years - 37-38 Years 37-38 Years 37-38 Years 37-38 Years
12 15 18 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24 27 30 Name of Dis	RCC RCC posal Station Pipe Material RCC - RCC RCC RCC RCC RCC RCC	962 637 Chak Noor Shal Length (ft) 9,342 - 1,934 1,807 5,161 3,361 1,601	- 6 3 3 No. of Manholes 187 - 13 9 21 13 9 21 13 5 12	2014-16 2014-16 Year of Laying 1985-86 - 1985-86 1985-86 1985-86 1985-86 1985-86	7-9 Years 7-9 Years <b>Age of Pipe</b> 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years
12 15 18 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24 27 30 Name of Dis Pipe Dia (inches)	RCC RCC posal Station Pipe Material RCC - RCC RCC RCC RCC RCC RCC RCC RCC Posal Station Pipe Material	962 637 Chak Noor Shal Length (ft) 9,342 - 1,934 1,807 5,161 3,361 1,601 3,456 Tiba Sultan Length (ft)	- 6 6 3 3 <b>No. of</b> Manholes 187 - 13 9 21 13 5 12 12 No. of Manholes	2014-16 2014-16 Year of Laying 1985-86 - 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86	7-9 Years 7-9 Years 7-9 Years <b>Age of Pipe</b> 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years
12 15 18 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24 27 30 Name of Dis Pipe Dia (inches) 9	RCC RCC posal Station Pipe Material RCC RCC RCC RCC RCC RCC RCC RCC Posal Station Pipe Material RCC	962 637 Chak Noor Shal Length (ft) 9,342 - 1,934 1,807 5,161 3,361 1,601 3,456 Tiba Sultan Length (ft) 20,495	- 6 3 3 No. of Manholes 187 - 13 9 21 13 9 21 13 5 12 12 No. of Manholes 410	2014-16 2014-16 Year of Laying 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 Year of Laying 2015-16	7-9 Years 7-9 Years 7-9 Years <b>Age of Pipe</b> 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 7-8 Years
12 15 18 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24 27 30 Name of Dis Pipe Dia (inches) 9 12	RCC RCC posal Station Pipe Material RCC RCC RCC RCC RCC RCC RCC Posal Station Pipe Material RCC RCC RCC	962 637 Chak Noor Shal Length (ft) 9,342 - 1,934 1,807 5,161 3,361 1,601 3,456 Tiba Sultan Length (ft) 20,495 8,442	- 6 3 3 No. of Manholes 187 - 13 9 21 13 9 21 13 5 12 12 No. of Manholes 410 84	2014-16 2014-16 2014-16 Year of Laying 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 Year of Laying 2015-16 2015-16	7-9 Years 7-9 Years 7-9 Years <b>Age of Pipe</b> 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 7-8 Years 7-8 Years
12 15 18 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24 27 30 Name of Dis Pipe Dia (inches) 9 12 15	RCC RCC posal Station Pipe Material RCC RCC RCC RCC RCC RCC RCC Posal Station Pipe Material RCC RCC RCC RCC RCC	962 637 Chak Noor Shal Length (ft) 9,342 - 1,934 1,807 5,161 3,361 1,601 3,456 Tiba Sultan Length (ft) 20,495 8,442 9,209	- 6 3 3 No. of Manholes 187 - 13 9 21 13 9 21 13 5 12 12 12 No. of Manholes 410 84 61	2014-16 2014-16 2014-16 Year of Laying 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 Year of Laying 2015-16 2015-16 2015-16	7-9 Years 7-9 Years 7-9 Years <b>Age of Pipe</b> 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 7-8 Years 7-8 Years 7-8 Years
12 15 18 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24 27 30 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24 27 30 Name of Dis 18 21 24 27 30 Name of Dis 12 12 13 13 13 14 21 24 21 24 27 30 12 12 13 13 13 14 14 15 14 14 15 14 14 15 14 14 15 15 18 14 14 15 14 14 15 14 14 15 14 14 14 14 14 14 14 14 14 14 14 14 14	RCC RCC posal Station Pipe Material RCC RCC RCC RCC RCC RCC RCC Posal Station Pipe Material RCC RCC RCC RCC RCC RCC RCC RCC RCC RC	962 637 Chak Noor Shal 9,342 - 1,934 1,807 5,161 3,361 1,601 3,456 Tiba Sultan Length (ft) 20,495 8,442 9,209 4,901	- 6 6 3 3 <b>No. of</b> Manholes 187 - 13 9 21 13 5 12 12 No. of Manholes 410 84 61 25	2014-16 2014-16 2014-16 Year of Laying 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 2015-16 2015-16 2015-16 2015-16	7-9 Years 7-9 Years 7-9 Years <b>Age of Pipe</b> 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 7-8 Years 7-8 Years 7-8 Years 7-8 Years
12 15 18 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24 27 30 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24 27 30 Name of Dis 18 21 15 18 21	RCC RCC posal Station Pipe Material RCC RCC RCC RCC RCC RCC RCC posal Station Pipe Material RCC RCC RCC RCC RCC RCC RCC RCC RCC RC	962 637 Chak Noor Shal 9,342 - 1,934 1,807 5,161 3,361 1,601 3,456 Tiba Sultan Length (ft) 20,495 8,442 9,209 4,901 5,376	- 6 6 3 3 <b>No. of</b> Manholes 187 - 13 9 21 13 5 12 12 13 5 12 12 <b>No. of</b> Manholes 410 84 61 25 22	2014-16 2014-16 2014-16 Year of Laying 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 2015-16 2015-16 2015-16 2015-16	7-9 Years 7-9 Years 7-9 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 7-8 Years 7-8 Years 7-8 Years 7-8 Years 7-8 Years
12 15 18 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24 27 30 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24 27 30 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24	RCC RCC posal Station Pipe Material RCC RCC RCC RCC RCC RCC RCC Pipe Material RCC RCC RCC RCC RCC RCC RCC RCC RCC RC	962 637 Chak Noor Shal 9,342 - 1,934 1,807 5,161 3,361 1,601 3,456 Tiba Sultan Length (ft) 20,495 8,442 9,209 4,901 5,376 1,260	- 6 6 3 1 No. of Manholes 187 - 13 9 21 13 9 21 13 5 12 12 13 5 12 12 No. of Manholes 410 84 61 25 22 22 5	2014-16 2014-16 2014-16 Year of Laying 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 2015-16 2015-16 2015-16 2015-16 2015-16	7-9 Years 7-9 Years 7-9 Years <b>Age of Pipe</b> 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 7-8 Years 7-8 Years 7-8 Years 7-8 Years 7-8 Years 7-8 Years 7-8 Years
12 15 18 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24 27 30 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24 27 30 Name of Dis 18 21 15 18 21	RCC RCC posal Station Pipe Material RCC RCC RCC RCC RCC RCC RCC posal Station Pipe Material RCC RCC RCC RCC RCC RCC RCC RCC RCC RC	962 637 Chak Noor Shal 9,342 - 1,934 1,807 5,161 3,361 1,601 3,456 Tiba Sultan Length (ft) 20,495 8,442 9,209 4,901 5,376	- 6 6 3 3 <b>No. of</b> Manholes 187 - 13 9 21 13 5 12 12 13 5 12 12 <b>No. of</b> Manholes 410 84 61 25 22	2014-16 2014-16 2014-16 Year of Laying 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 2015-16 2015-16 2015-16 2015-16 2015-16 2015-16	7-9 Years 7-9 Years 7-9 Years <b>Age of Pipe</b> 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 7-8 Years 7-8 Years 7-8 Years 7-8 Years 7-8 Years 7-8 Years 7-8 Years 7-8 Years 7-8 Years
12 15 18 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24 27 30 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24 27 30 Name of Dis Pipe Dia (inches) 9 12 15 18 21 24	RCC RCC posal Station Pipe Material RCC RCC RCC RCC RCC RCC RCC Pipe Material RCC RCC RCC RCC RCC RCC RCC RCC RCC RC	962 637 Chak Noor Shal 9,342 - 1,934 1,807 5,161 3,361 1,601 3,456 Tiba Sultan Length (ft) 20,495 8,442 9,209 4,901 5,376 1,260	- 6 6 3 1 No. of Manholes 187 - 13 9 21 13 9 21 13 5 12 12 13 5 12 12 No. of Manholes 410 84 61 25 22 22 5	2014-16 2014-16 2014-16 Year of Laying 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 1985-86 2015-16 2015-16 2015-16 2015-16 2015-16	7-9 Years 7-9 Years 7-9 Years <b>Age of Pipe</b> 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 37-38 Years 7-8 Years 7-8 Years 7-8 Years 7-8 Years 7-8 Years 7-8 Years 7-8 Years

	Integrated D	evelopment And A	sset Management	Plan (IDAMP)		
	integrated b	_	nmittee Jhang			
Form:		Sewerage Net	work	Asset	Code:	
IDAMP-A6		Asset Condition As	sessment	Date: 26-01-2023		
36	RCC	3,312	11	2015-16	7-8 Years	
42	RCC	6,811	23	2015-16	7-8 Years	
Name of Dis	posal Station	Harmalpur				
Pipe Dia	Pipe Material	Length (ft)	No. of	Year of Laying	Age of Pipe	
(inches)			Manholes			
9	-	-		-	-	
12	-	-		-	-	
15	RCC	1,982	13	1976-77	46-47 Years	
18	RCC	2,031	10	1976-77	46-47 Years	
21	RCC	1,985	8	1976-77	46-47 Years	
24	RCC	972	4	1976-77	46-47 Years	
27	RCC	3,175	11	1976-77	46-47 Years	
	posal Station	Lakhiwala				
Pipe Dia (inches)	Pipe Material	Length (ft)	No. of Manholes	Year of Laying	Age of Pipe	
9	RCC	1,041	21	1992-93	30-31 Years	
12	RCC	-	-	-	-	
15	RCC	264	2	1992-93	30-31 Years	
18	RCC	3,098	15	1992-93	30-31 Years	
21	RCC	-	-	-	-	
24	RCC	1,228	5	1992-93	30-31 Years	
27	RCC	934	3	1992-93	30-31 Years	
30	RCC	-	-	-	-	
33	RCC	2,355	8	1992-93	30-31 Years	
36	RCC	3875	13	1992-93	30-31 Years	
42	RCC	1067	4	1992-93	30-31 Years	
Name of Dis	posal Station	Gharyband				
Pipe Dia	Pipe Material	Length (ft)	No. of	Year of Laying	Age of Pipe	
(inches)	Pipe Material		Manholes	real of Laying	Age of Fipe	
9	RCC	23,560	471	2006-07	16-17 Years	
12	RCC	20,453	205	2006-07	16-17 Years	
15	RCC	24,846	166	2006-07	16-17 Years	
18	RCC	10,680	53	2006-07	16-17 Years	
21	RCC	13,364	53	2006-07	16-17 Years	
24	RCC	14,380	58	2006-07	16-17 Years	
27	RCC	9,077	30	2006-07	16-17 Years	
30	RCC	1,285	4	2006-07	16-17 Years	
33	RCC	1,270	4	2006-07	16-17 Years	
36	RCC	6,280	21	2006-07	16-17 Years	
42	RCC	4,767	16	2006-07	16-17 Years	
	posal Station	Farooqabad				
Pipe Dia (inches)	Pipe Material	Length (ft)	No. of Manholes	Year of Laying	Age of Pipe	
9	RCC	42,510	850	1992-93	30-31 Years	
12	RCC	4,418	44	1992-93	30-31 Years	
15	RCC	2,116	14	1992-93	30-31 Years	
18	RCC	1,049	5	1992-93	30-31 Years	
21	RCC	1,043	4	1992-93	30-31 Years	
24	RCC	1,345	5	1992-93	30-31 Years	
		•	•	•		

	Integrated D	evelopment And A	sset Management	Plan (IDAMP)		
		Municipal Cor	nmittee Jhang			
Form:		Sewerage Net	work	Asset Code:		
IDAMP-A6		Asset Condition As	sessment	[	Date: 26-01-2023	
27	RCC	2,007	7	1992-93	30-31 Years	
Name of Dis	oosal Station	Chak Khokhran				
Pipe Dia (inches)	Pipe Material	Length (ft)	No. of Manholes	Year of Laying	Age of Pipe	
9	RCC	34,142	683	1975-76	47-48 Years	
12	RCC	7,714	77	1975-76	47-48 Years	
15	RCC	3,456	23	1975-76	47-48 Years	
18	RCC	2,732	14	1975-76	47-48 Years	
Name of Dis	oosal Station	Karmanwala				
Pipe Dia (inches)	Pipe Material	Length (ft)	No. of Manholes	Year of Laying	Age of Pipe	
9	RCC	13,642	273	2004-05	18-19 Years	
12	RCC	572	6	2004-05	18-19 Years	
15	RCC	776	5	2004-05	18-19 Years	
Name of Dis	oosal Station	Tiba Registan				
Pipe Dia (inches)	Pipe Material	Length (ft)	No. of Manholes	Year of Laying	Age of Pipe	
9	RCC	4,197	84	1995-96	27-28 Years	
12	RCC	2,474	25	1995-96	27-28 Years	
15	RCC	4,128	28	1995-96	27-28 Years	
18	RCC	2,165	11	1995-96	27-28 Years	
21	RCC	1,062	4	1995-96	27-28 Years	
24	RCC	4,507	18	1995-96	27-28 Years	
		Remarks / R	equirements			
No remarks						
Data Collected By: Mr. Abdullah		Designation: Tea	m Member	Sign & Date: 15 May 2023		
Data Checked By	: Mr. M Fiaz	Designation: Tea	m Lead	Sign & Date: 15 May 2023		

## A. Disposal Station

Sr		Age (Ye	ars)			Book	Nos.	Discharge	Motor	Pump	
#	Name	Civil Structure	Pump	Condition	Status	Value (PKR Mil)	of pump	Each (Cusec)	hp	Make	Motor Make
1	Tibba Registan	21	21	Poor	Functional	1.44	2	2	30	KSB	Siemens
2	Goghaywala	Under Construction	Not Available	Failing	Non- Functional	0	2	5	50	KSB	Siemens
3	New Gadianwala	19	19	Failing	Non- Functional	0.81	2	3	40	KSB	Siemens
4	Old Gadianwala	43	Not Available	Poor	Non- Functional	0	1	0.5	20	Master Pump	ТЕСНО
5	Noor Shah	37	37	Fair	Functional	1.71	3	5	60	KSB	KSB
6	Tibba Sultan	Before Partition	Not Available	Fair	Functional	0	2	5	50	KSB	Siemens
7	Lakhi Wala	31	31	Fair	Functional	1.404	5	(4,5,5,5,5)	50	KSB	KSB
8	Harmal Pura	47	47	Good	Functional	0	3	(5,10,10)	100	KSB	Warszawska Fabryka
9	Farooqabad	31	31	Fair	Functional	0.36	2	3	40	KSB	Siemens
10	Khokhran Disposal	19	19	Fair	Functional	1.08	3	(5,6,6)	75	KSB	Siemens
11	Islam Nagar	8	8	Poor	Functional	0.18	1	0.5	30	BECO	BECO
12	Karmanwala Town	15	15	Fair	Functional	0.45	2	5	25	KSB	KSB
13	Gharay bhan	9	9	Good	Functional	1.0	1	5	60	KSB	KSB



	Integrated D			et Managem mittee Jhang	nent Plan (IDAMP)
		wunic	ipai com	mittee mang	i de la construcción de la constru
Form: IDAMP-A7		age Disposa ondition As		t	Asset Code: Date: 26-01-202
	Asset D	etail			Pictures
Name		Tibba Registan			
	Latitude		31.3002		
Location	Longitude		72.3289		
Address	0	Ti	bba Regi	stan	
Area (Acres)			0.5		
Installation Year			2002		
Capital Cost		6	6 Million I	Pkr	
Outfall Drain	Dia		42"		- Ask
Sewer	Material		RCC		
	No. of Screens		1		
Screening	Screen Condition	Good	Fair	Poor	
Chamber	Chamber		N 4		
	Structure	Masonry			
	Number		2		
	Shape	Rectangular Circular		Circular	anista A Car
Wet Wells	Size	20'			
	Structure	Masoni	r <b>y</b>	RCC	DPS Map Oprice
	Railing	Yes		No	Jhang, Punjab, Pakistan 882H+4C9, Jhang, Punjab, Pakistan
	No. of Delivery				Lat 31.300745° Long 72.329072°
	Pipes				Google 26/01/23 03:31 PM GMT +05:00
	Dia				
Force Main	Material	No Force Main			* /
	Starting Point				
	Ending Point Length				
	Size		2.5'x3'		
	Shape	F	Rectangu	lar	
Sullage Carrier	Length		350'		
	Condition	Good	Fair	Poor	
Delline Di	Dia	-	6"	-	Preserver Preserver
Delivery Pipe	Material		C.I		Cong 1.2019/00 2009/2019/00 2009/2019/00 2009/2019/00 2009/2019/00 2009/2019/00
Suction Dine	Dia		6"		
Suction Pipe	Material		C.I		
	Sluice Valves		4		
Number of	Non-Return		2		
Valves	Valves				
Penstock Valve			1	<u> </u>	
Ultimate Disposa			te Water	Pond Poor	
Civil Structure Condition Control Room Structure			Good Fair		Anna Derich Delation Anna Derich Delation College Delation Delation
Discharge Box Structure		Good Good	Fair Fair	Poor Poor	Constant 2002/2007 (2002) (200
Approach to Pump House		Good Good	Fair	Poor	
Hoisting Girder		Yes		No	
-	Boundary Wall & Gate		Yes No		
Treatment of Sev		Yes No Yes No			
	ily discharge in	103	4769	.10	

	Integrated D	evelopment And	Asset Manageme	ent Plan (IDAMP)		
			Committee Jhang			
Form:		age Disposal Stat		Asse	et Code:	
IDAMP-A7	Asset C	ondition Assessn	nent		Date: 26-01-2023	
(based on availa MC)	ble information at					
1	al of wastewater?	Wasto W	ater Pond			
	ectro-Mechanical E					
UNUMBER OF WAP			<b>s</b> 2			
Transformer Cap			100			
Number of MCU			2			
Sanctioned Load			.5			
Power Factor			.5			
Equipment	mprovement	Yes	No			
Service Cable		Yes	No			
Power Wiring		Yes	No			
Earthing of Motor		Yes	No			
Earthing of MCU		Yes	No			
Generator Availa		Yes	No			
Light Wiring of P	-	Yes	No			
Change Over		Yes	No			
			np Detail			
			mp A	Pur	np B	
Pump Type			Non-Clogging		Non-Clogging	
Pump Brand			(SB		SB	
Pump Paint		Good	air Poor	Good F	air Poor	
Motor Brand		Sie	mens	Siemens		
nstallation Year	of Pump	2	002	2002		
Discharge Capac	•		2	2		
Rotational Speed		ç	960	960		
lead (ft.)			40	40		
Motor Power (H	P)		30	30		
Pump Daily Run	ning Time (Hours)		12	1	.6	
Base Plate		Yes	No	Yes	No	
Number of	Sluice Valve		•	4	•	
Number of Valves	Non-Returning Valve			2		
		Over	all Rating			
Average Score	1	2	3	4	5	
Asset Condition	Excellent	Good	Fair	Poor	Failing	
Category A B C D E						
		Remarks /	Requirements			
<ul><li>There is</li><li>Screenin</li><li>Two kind</li></ul>	er factor, no proper screen d ng chamber needs to ds of sewers feed th in needs to be cover	be installed . is DS, one 36" se	wer and an open		on.	
-	arrier exits into Ope			regetables for people		

• Proper arrangement for disposing off sludge is required.

	Integrated D	evelopment And Asset Management	Plan (IDAMP)
		Municipal Committee Jhang	
Form: IDAMP-A7	Sewer Asset C	Asset Code: Date: 26-01-2023	
Data Collected	By: Mr. Abdullah	Designation: Team Member	Sign & Date: 15 May 2023
Data Checked	By: Mr. M Fiaz	Designation: Team Lead	Sign & Date: 15 May 2023

	Integrated D	evelopm <u>en</u>	t And A	.ss <u>e</u> t	: Man <u>agen</u>	nent Plan (IDAMP)			
					ittee Jhang				
Form: IDAMP-A7		age Disposa ondition As				Asset Code: Date: 26-01-2023			
	Asset D	etail				Pictures			
Name			Goghay	wala	a				
Location	Latitude		31.311	886		PC1 for Rehabilitation has been			
Location	Longitude		72.328	207		submitted, the information filled in			
Address			Goghay	wala	a	the proforma taken from PC1			
Area (Acres)			0.75	5					
Installation Year		Und	er Cons	truc	tion				
Capital Cost		Ν	lot Avai	ilabl	e				
Outfall Drain	Dia		36"						
Sewer	Material		RCC	2		BERNAR A R L.			
	No. of Screens	1							
Screening	Screen Condition	Good	Fair	r	Poor				
Chamber	Chamber Structure	Masonry							
	Number		2						
	Shape	Rectange	ular	C	Circular	GPS Map Camera			
Wet Wells	Size		25'			Jhang, Punjab, Pakistan Bypass Rd, Jhang, Punjab, Pakistan			
	Structure	Mason	ry	RCC		Lat 31.31085° Long 72.326068°			
	Railing	Yes	_		No	Google 26/01/23 04:04 PM GMT +05:00			
	No. of Delivery Pipes								
	Dia								
Force Main	Material	Ν	o Force	Ma	in				
	Starting Point								
	Ending Point								
	Length								
	Size		2.5′x	3′					
Sullage Carrier	Shape		Rectang	gulai	r				
Sunage Carrier	Length					Byeer Rij, Jing, Andel, Sköten Lat 31 ander: Van 22 achto:			
	Condition	Good	Fai	r	Poor				
Delivery Pipe	Dia								

	Integrated De	evelopment	t And	Asset	t Managen	nent Plan (IDAMP)	
		Munic	ipal C	omm	ittee Jhang	5	
Form: IDAMP-A7		ige Disposa ondition As				Asse	t Code: Date: 26-01-2023
	Material						
Suction Pipe	Dia						
Suction Pipe	Material						1
	Sluice Valves						
Number of	Non-Return						-
Valves	Valves						
	Penstock Valves						EPG Avap Camera
Ultimate Disposa			iranw		rain		jab, Pakistan Ihang, Punjab, Pakistan 18°
Civil Structure Co		Good		air	Poor	Google 26/01/23 04	077° :04 PM GMT +05:00
Control Room Str		Good		air	Poor	_	
Discharge Box Str		Good		air	Poor	4	
Approach to Pum	np House	Good	Fa	air	Poor	-	
Hoisting Girder	-	Yes			No		
Boundary Wall &		Yes			No		
Treatment of Sew	-	Yes			No		
	ily discharge in						
m3/day?		Ν	lot Av	ailabl	e		
MC)	ble information at						
Ultimate disposa							
Ele	ectro-Mechanical E	quipment [	Detail	s			
Number of WAPE	DA Feeders		1	1			
Transformer Capa	acity (kVA)	200					
Number of MCU							
Sanctioned Load	(kw)			I			
Power Factor	Improvement	Yes			No		
Equipment					-	_	
Service Cable		Yes			No	_	
Power Wiring		Yes			No	_	
Earthing of Moto	r	Yes			No	4	
Earthing of MCU		Yes			No	4	
Generator Availa		Yes			No	4	
Light Wiring of Pu	ump House	Yes			No	4	
Change Over		Yes	Dur		No		
				n <mark>p De</mark>	ldll	Pum	n B
Pump Type			ruf	np A		Pun	ט או
Pump Type Pump Brand							
Pump Paint							
Motor Brand							
Installation Year	of Pump						
Discharge Capacit					Not	Installed yet	
Rotational Speed							
Head (ft.)							
Motor Power (HP	<b>)</b>						
Motor Power (HP Pump Daily Runn							
Motor Power (HP Pump Daily Runn Base Plate		Yes			No	Yes	No

	Integrated I	Development And	Asset Managem	ent Plan (IDAMP)	
		Municipal C	committee Jhang		
Form:		rage Disposal Stat		Asse	et Code:
IDAMP-A7	Asset 0	Condition Assessn	nent		Date: 26-01-2023
Number of Valves	Non-Returning Valve			2	
	-	Over	all Rating		
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	В	С	D	E
		-	Requirements	ossible. Completion of	
<ul> <li>Remain</li> <li>Sewer li</li> <li>Pumpin</li> <li>Provide</li> <li>Join incomension</li> <li>System</li> </ul>	ctrical works are to ing work of pump h ines are missing g machinery is requ Inter connections o oming sewer lines t for SWM, as it has h te Automatic Contro	ouse needs to be ired to be installe of pipes and MS so o existing drainag nuge piles of solid	completed d creens. e system wastes.		
Data Collected E	By: Mr. Abdullah	Designation: Te	am Member	Sign & Date: 15	
Data Checked By	y: Mr. M Fiaz	Designation: Te	eam Lead	Sign & Date: 15	Чуу May 2023

	Integrated D	evelopmen	t And Asse	t Managem	ent Plan (IDAMP)
		Munic	ipal Comm	ittee Jhang	
Form: IDAMP-A7		age Disposa ondition As			Asset Code: Date: 26-01-2023
	Asset D	etail			Pictures
Name		Ne	w Gadianw	vala	
Location	Latitude		31.30963		
Location	Longitude		72.32130		
Address		New Gadi	anwala, Byj	pass Road,	
Address			Jhang		PC1 for Rehabilitation has been
Area (Acres)			1.6		
Installation Year		2004 (u	nder const	ruction)	submitted, the information filled in
Capital Cost					the proforma taken from PC1
Outfall Drain	Dia		42″		
Sewer	Material		RCC		
Sereening	No. of Screens		1		
Screening Chamber	Screen Condition	Good	Fair	Poor	

	Integrated D	evelopmen	t And	Asse	t Managem	ient Plan (IDAMP)
		Munic	ipal C	omm	ittee Jhang	
Form: IDAMP-A7		age Disposa ondition As				Asset Code: Date: 26-01-2023
	Chamber		Mas	onry		
	Structure Number		1			
	Shape	Rectangu			Circular	and the second second
Wet Wells	Size		2(			Contraction of the second second
	Structure	Mason			RCC	
	Railing	Yes			No	
	No. of Delivery					
	Pipes		2	<u>-</u>		
	Dia		8	"		
Delivery Pipe	Material		С	.I		
-	Starting Point					GPS Map Camera
	Ending Point					Jhang, Punjab, Pakistan Bypass Rd, Jhang, Punjab, Pakistan
	Length		70	)'		Lat 31.309772°
	Size		4'>	(4 <b>'</b>		Long 72.321037° Google 26/01/23 04:12 PM GMT +05:00
с II. о ·	Shape		Squ	are		20/01/23 04-12 PW 0W1 +03.00
Sullage Carrier	Length		60	)'		
	Condition	Good	Fa	air	Poor	
	Dia					PA LANGE
Delivery Pipe	Material					22
	Dia					
Suction Pipe	Material					
	Sluice Valves					the second second
Number of	Non-Return					a contraction of the
Valves	Valves					Jhang, Punjab, Pakistan Unarmed Road, Jhang, Punjab, Pakistan
	Penstock Valves					Lat 31.308837* Lang 72.321688* 200123 04:11 PM GMT +05:00
Ultimate Disposa	al	Kha	iranw	ala D	rain	
Civil Structure Co	ondition	Good	Fa	air	Poor	Test ( ) Automatical Table 44, and a list
<b>Control Room St</b>	ructure	Good	Fa	air	Poor	
Discharge Box St	ructure	Good	Fa	air	Poor	
Approach to Pun		Good	Fa	air	Poor	
Hoisting Girder		Yes			No	
Boundary Wall 8	Gate	Yes			No	
Treatment of Sev	wage	Yes			No	
m3/day? (based on availal	ily discharge in ple information at	Ν	lot Av	ailabl	le	A thing, Punjab, Pakistan Bysess RA, Punkas, Punjab, Pakistan Lari 31.000720 Long 77.2017024* 20(7)/23.04.12 PM GMT +05:00
MC)	I of most constant 2					
	l of wastewater? ectro-Mechanical E	auinment (	Jotail			
Number of WAP		quipment	Jetail	5		
Transformer Cap						
Number of MCU						
Sanctioned Load	(kw)					
Power Factor		V			Ne	
Equipment		Yes			No	
Service Cable		Yes			No	
Power Wiring		Yes			No	
Earthing of Moto	or	Yes			No	

	Integrated D	evelopment And	Asset Managem	ent Plan (IDAMP)			
			ommittee Jhang				
Form:	Sewer	age Disposal Stat	ion	Asse	et Code:		
IDAMP-A7	Asset C	ondition Assessm	nent		Date: 26-01-2023		
Earthing of MC		Yes	No				
Generator Avai		Yes	No				
Light Wiring of	Pump House	Yes	No				
Change Over		Yes No Pump Detail					
			np Detail np A	Dun	np B		
Pump Type		Fui	пра	Fui	прв		
Pump Brand							
Pump Paint							
Motor Brand							
Installation Yea	r of Pump		Net	In stall and Vat			
Discharge Capa	city (Cusecs)		NOT	Installed Yet			
<b>Rotational Spee</b>	ed (RPM)						
Head (ft.)							
Motor Power (H	•						
	ning Time (Hours)						
Base Plate		Yes	No	Yes	No		
Number of	Sluice Valve			3			
Valves	Non-Returning Valve			2			
		Over	all Rating				
Average Score	1	2	3	4	5		
Asset Condition	Excellent	Good	Fair	Poor	Failing		
Category	Α	В	С	D	E		
-	-	-	Requirements				
and ele Remain Sewer I Pumpin Provide Join inc Genera Install p	ctrical works are to l ing work of pump he ines are missing g machinery is requ Inter connections o oming sewer lines to te Automatic Contro proper boundary wal	be required witho buse needs to be ired f pipes and MS sc p existing drainage oller System for w II and complete th	out further delay completed reens. e system orking ne civil works.	ossible. Completion o			
Data Collected I	By: Mr. Abdullah	Designation: Te	am Member	Sign & Date: 15	May 2023		
Data Checked B	y: Mr. M Fiaz	Designation: Team Lead Sign & Date: 15 May 2023					

	Integrated Develop	ment And A				an (IDAMP)
Form		Disposal S				Accest Codes
Form: IDAMP-A7	-	dition Asse				Asset Code: Date: 26-01-2023
IDAIVIF-A7			SSILLEI			
Name	Asset Detai	1	d Gad	ianu	ala	Pictures
Name	Latitude	0	31.3		ala	
Location	Longitude		72.3			
Address	Longitude		72.5	1554		
Area (Acres)			0.	15		PC1 for Rehabilitation has
Installation Year			19			been submitted, the
Capital Cost						information filled in the
	Dia		18	3″		proforma taken from PC1
Outfall Drain Sewe	Material		RC	C		-
	No. of Screens		1	L		
Screening Chamber		Good	Fa	nir	Poor	
	Chamber Structure		Mas	onry		
	Number		-	L		the second se
	Shape	Rectang	ular	(	Circular	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Wet Wells	Size		1	5′		
Wet Wens	Structure	Mason	ry		RCC	
	Railing	Yes			No	
	No. of Delivery					
	Pipes					
	Dia					
Delivery Pipe	Material					G OPS Map Camers
	Starting Point					Jhang, Punjab, Pakistan 8859+HMM, Jhang, Punjab, Pakistan Lat 31.309516°
	Ending Point					Google 26/01/23 04:15 PM GMT +05:00
	Length					
	Size		2.5			
Sullage Carrier	Shape		Recta		r	and the second se
	Length		10	0′	-	
	Condition	Good			Poor	
Delivery Pipe	Dia					No. Contraction of the second s
	Material					
Suction Pipe	Dia Material					and the second second
	Sluice Valves					America, Parelichi, Patholanni Digene Rij, Angu, Patalan Digene Rij, Angu, Patalan Digene Rij, Angu, Patalan
Number of Valves	Non-Return Valves					
	Penstock Valves			3		
Ultimate Disposal	1 CHOLOCIC VUIVES	Kha	airanw		rain	
Civil Structure Con	lition	Good	Fa		Poor	A THE ACT OF ACT OF A THE ACT OF AC
Control Room Strue		Good	Fa		Poor	
Discharge Box Stru		Good	Fa		Poor	
Approach to Pump		Good		nir	Poor	
Hoisting Girder		Yes	· [		No	Jhang, Punjab, Pakistan 8859-HMM, Jhang, Punjab, Pakistan
Boundary Wall & G	ate	Yes			No	Lat 31:30887* Long 72:330026* 26/01/23 04:15 PM GMT +05:00
Treatment of Sewa		Yes			No	
Wastewater daily o	lischarge in m3/day? information at MC)	١	lot Av	ailab	le	
Ultimate disposal of	-					

	Integrated D	evelop	ment And As	sset Management	Plan (IDAMP)	
				nmittee Jhang		
Form:	50	worag	e Disposal Sta	ation	Acco	: Code:
IDAMP-A7		-	dition Assess		ASSE	Date: 26-01-2023
	Electro-Mechanic	al Equi	pment Detai	ls		
Number of WAPE				1		
Transformer Capa	acity (kVA)			75	_	
Number of MCU	<i>"</i> , ,			1	_	
Sanctioned Load		4	N	15		
Power Factor Imp Service Cable	provement Equipm	ient	Yes Yes	No No	_	
Power Wiring			Yes	NO		
Earthing of Moto	r		Yes	No	_	
Earthing of MCU	•		Yes	No		
Generator Availa	bility		Yes	No		
Light Wiring of Pu			Yes	No		
Change Over			Yes	No		
			Pump	Detail		
				F	Pump A	
Ритр Туре				Dew	atering Set	
Pump Brand				Ma	ster Pump	
Pump Paint						
Motor Brand	of Dumon				TECHO	
Installation Year Discharge Capacit	-			INOI	Available 0.5	
Rotational Speed				Not	t Available	
Head (ft.)					Available	
Motor Power (HP	)				20	
Pump Daily Runn				Not	Available	
Base Plate				Yes		No
	Sluice Valve					
Number of Valves	s Non-Returning	3				
	Valve					
			Overall	Rating		
Average Score	1	ļ	2	3	4	5
Asset Condition	Excellent	ļ	Good	Fair	Poor	Failing
Category	Α		В	С	D	E
			Remarks / Re			
	•	osal sta	ation. It has c	one wet well, no pu	Imp house or dry	well, no boundary
	reening chamber.					
-	wall and generato				the wet well	
	g chamber is the cr machinery is requi		eeu as solid v	vaste is stranded ir	i the wet well.	
	nter connections a		screens			
				king including MCU	s and power facto	rs
		-		al pumps, and prop	-	
Data Collected By	· · · · ·			n: Team Member	Jul	Sh
					5	

		ment And Asset Management Iunicipal Committee Jhang	Plan (IDAMP)
Form: IDAMP-A7	•	e Disposal Station dition Assessment	Asset Code: Date: 26-01-2023
Data Checked By:	Mr. M Fiaz	Designation: Team Lead	Mayphy
			Sign & Date: 15 May 2023

	Integrated	d Developm	nent And A	sset Mana
		Mu	inicipal Co	mmittee Jh
Form:	Sewer	rage Disposal Station		
IDAMP-A7	Asset C	Condition A	ssessment	
	Asset	Detail		
Name			Noor Shah	1
Location	Latitude	31.29887		
	Longitude		72.306332	
Address		Noor S	hah, Bypas	s Road,
A			Jhang	
Area (Kanal/Ac	-		0.25	
Installation Yea	ar		1986	
Capital Cost	Dia	P	Not Availab 33"	ie
Outfall Drain Sewer	Material		RCC	
Jewei	No. of Screens		1 RCC	
	Screen		1	
Screening	Condition	Good	Fair	Poor
Chamber	Chamber			
	Structure	Masonry		
	Number		2	
	Shape	Rectang	ular	Circular
Wet Wells	Size		25″	
	Structure	Mason	ry	RCC
	Railing	Yes		No
	No. of			
	Delivery Pipes			
	Dia			
Force Main	Material	N	o Force Ma	ain
	Starting Point			
	Ending Point			
	Length		• • *	
	Size		2.5'x3'	
Sullage Carrier	Shape		Rectangula	ır
	Length		150'	
	Condition	Good	Fair	Poor
Delivery Pipe	Dia		10"	
, , -	Material		C.I	
Suction Pipe	Dia		12"	
•	Material		C.I	
	Sluice Valves		6	

	Integrated	d Developn	nent A	And Ass	et Mana	gement	Plan (IDAI	MP)		
		Mu	inicip	al Com	mittee Jha	ang				
Form: IDAMP-A7		age Dispos							Code: Date: 26	-01-2023
Number of	Non-Return Valves			3						
Valves	Penstock Valves			2						
Ultimate Dispo Civil Structure				vala dra						
Control Room		Good Good		air air	Poor Poor					
Discharge Box		Good		air	Poor	-				
Approach to P		Good		air	Poor					
Hoisting Girde	-	Yes	F		No					
		Yes			No					
Boundary Wal		Yes								
Treatment of S		res			No					
m3/day?	aily discharge in lable information		11	923						
at MC) Ultimate	disposal of									
wastewater?	lastra Mashanisal	Fauirman	Date	vile						
	lectro-Mechanical	Equipment								
Number of WA				2		-				
Transformer C				, 400 2						
Number of MC				3						
Sanctioned Lo			3	55						
	r Improvement	Yes			No					
Equipment		X								
Service Cable		Yes			No					
Power Wiring		Yes			No					
Earthing of Mo		Yes			No	-				
Earthing of MO		Yes			No	-				
Generator Ava		Yes			No	-				
Light Wiring of	Pump House	Yes			No					
Change Over		Yes			No					
				Pump D	etall	D	D		Dress	-
					C	Pump I		<u>^-</u>	Pump	
Pump Type		Centrifu	-		Cen	trifugal/		Cer	htrifugal/	
Pump Brand			gging (SB	<b>.</b>		Cloggin KSB	Б		Cloggin KSB	Б
Pump Brand Pump Paint			air	Poor	Good	Fair	Poor	Good	Fair	Poor
Motor Brand			SB	FUUI	GUUU	KSB	FUUI	GUUU	KSB	F 001
Installation Ye	ar of Pump		986			1986			1986	
Discharge Cap	-	<b>1</b>	5			1980			1980	
Rotational Spe		· · · · ·	5 960		-	960		+	960	
Head (ft.)			40			40			40	
Motor Power	(HD)		40 60			60			60	
Pump Daily (Hours)			12			12			4	
Base Plate		Yes		No	Yes		No	Yes		No
	Sluice Valve					6				_

	Integrated	l Development A	nd Asset Manager	ment Plan (IDAMP)					
		Municipa	l Committee Jhan	g					
Form:Sewerage Disposal StationAsset Code:IDAMP-A7Asset Condition AssessmentDate: 26-01-20									
Number of Valves	Non-Returning Valve		3						
		0\	verall Rating						
Average Score	1	2	3	4	5				
Asset Condition	Excellent	Good	Fair	Poor	Failing				
Category	Α	В	С	D	E				
There	is leakage in the dr		s / Requirements						
<ul> <li>Only c</li> <li>Pen st</li> <li>Screet</li> <li>Auton</li> <li>Sewage</li> </ul>		ng, Urban feeder eeder, delivery pi alve are needed. tem 1p	is also required to	be in working state. se need to be repaired	d.				
Data Collected By: Mr. Abdullah       Designation: Team Member       Jul Sh         Sign & Date: 15 May 2023									
Data Checked	By: Mr. M Fiaz	Designation:	Team Lead	Sign & Date: 15	фу 5 May 2023				

	Integrat		·	nd Asset N I Committ	Aanagement Plan (IDAMP) ee Jhang
Form: IDAMP-A7		ge Dispos ondition A			Asset Code: Date: 26-01-2023
	Asset D	Detail			Pictures
Name		Т	ibba Sulta	in	
Location	Latitude		31.292338	3	Mrs. And and and
Location	Longitude		72.304282	2	LANG CONTRACT OF THE
Address		Tibba S	Sultan, Bha Jhang	abrana,	
Area (Kanal/A	cres)		0.35		
Installation Ye	-	Bet	fore Partit	ion	A State of the second sec
Capital Cost		Ν	ot Availab	le	Jhang, Punjab, Pakistan
Outfall Drain	Dia		36″		78R3+RR, Bhabrana Mohalla Mohalla
Sewer	Material		RCC		Bhabrana, Jhang, Punjab, Pakistan Lat 31.292338°
Screening	No. of Screens	1			Soogle 26/01/23:04/28 PM GMT +05:00
Chamber	Screen Condition	Good	Fair	Poor	

	Integrat	ted Develo	pment /	And Asset N	Management Plan (IDAMP)	
		I	Municip	al Commit	tee Jhang	
Form: IDAMP-A7		ge Disposa			Asset Code: Date: 26-01-20	
	Chamber					
	Structure		Masonr	у		
	Number		2		- An all the	
	Shape	Rectangu	-	Circular		
Wet Wells	Size		25'			
	Structure	Mason		RCC		
	Railing	Yes		No	Bornesne Hans Derich Distance	
	No. of				Jhang, Punjab, Pakistan Jhang, Punjab, Pakistan Dekarren, Amor Punjab, Pokistan Dekarren, Amor Punjab, Pokistan Lati 1202746	
	Delivery				Google         Lnp 7/201946*           st(0)72.04.38 PM 000T 10550         Google         Lnp 7/201964*	
	Pipes					
	Dia					
Force Main	Material	No	Force N	/lain		
	Starting					
	Point					
	<b>Ending Point</b>					
	Length					
	Size		4′x5′			
Sullage	Shape	R	ectangu	lar		
Carrier	Length		70'			
	Condition	Good	Fair	Poor		
Delivery Pipe	Dia		12"			
Delivery ripe	Material		C.I			
Suction Pipe	Dia		12"			
ouccion i ipe	Material		C.I			
	Sluice Valves		4			
Number of	Non-Return		2			
Valves	Valves				_	
	Penstock		2			
Ultimate Dian	Valves	Khai		Drain	-	
Ultimate Dispo			ranwala		4	
Civil Structure Control Room		Good Good	Fair Fair	Poor Poor	4	
Discharge Box		Good	Fair	Poor	1	
Approach to P		Good	Fair	Poor	1	
Hoisting Girde		Yes	- un	No	1	
Boundary Wal		Yes		No	4	
Treatment of S		Yes		No		
	daily discharge	103			7	
in m3/day?	.,					
(based or	n available		11923			
information at						
Ultimate	disposal of				7	
wastewater?						
Elec	tro-Mechanical	Equipment	Details			
Number of WA			1			
Transformer C	apacity (kVA)		100			
Number of MC			2			
Sanctioned Lo	ad (kw)		75			

	Integrat	ed Developme	nt And Asset	Manager	nent Plan (ID	AMP)	
		Mun	icipal Commit	ttee Jhan	g		
Form:	Sewera	ge Disposal Sta	ation			Asset C	ode:
IDAMP-A7	Asset Co	ondition Assess	ment			D	ate: 26-01-2023
Power Facto	r Improvement	Yes	No				
Equipment			-				
Service Cable		Yes	No	_			
Power Wiring		Yes	No				
Earthing of M		Yes	No	_			
Earthing of M Generator Av		Yes Yes	No No	_			
	of Pump House	Yes	No				
Change Over		Yes	No				
entinge over		105	Pump Det	ail			
			Pump A			Pump B	
Pump Type Centrifugal/ Non-Clc				ging	Cent	rifugal/ Non-	Clogging
Pump Brand			KSB			KSB	
Pump Paint		Good	Fair	Poor	Good	Fair	Poor
Motor Brand			Siemens			Siemens	
Installation Y		No	ot Available			Not Availat	ole
	pacity (Cusecs)		5			5	
Rotational Sp	eed (RPM)	960				960	
Head (ft.)	(110)	40 50				40	
Motor Power	Running Time		50			50	
(Hours)	Kunning Time		12			16	
Base Plate		Yes	N	0	Yes		No
	Sluice Valve			-	4		
Number of	Non-						
Valves	Returning				2		
	Valve						
			Overall Rat	-			
Average Scor	re 1	2		3	4		5
Asset Condition	Excellent	Good	1	Fair	Poor		Failing
Category	Α	В		с	D		E
			narks / Requi				_
Following con	nponents are requ						
-	rator 200-KVA wi		-		ders		
<ul> <li>Instal</li> </ul>	l missing sewer li	nes, incoming g	ravity sewers	and Deliv	very Pipes.		
	ning chamber an						
•	iring/rehabilitatio						
	sion of the requir		-				
	and Power facto	rs along with au	utomatic cont	roller sys	tem.		
	system	station is	***	u ot o d			
• Boun	dary for disposal	station is a mus	st to be constr	ucted.		_	
Data Collecte	d By: Mr. Abdulla	h Designat	tion: Team Me	ember		fulsi	'n
						0	
1					Sign &	Date: 15 Ma	y 2023

	Integrated D	evelopment And Asset Management Municipal Committee Jhang	Plan (IDAMP)
Form: IDAMP-A7	-	isposal Station ion Assessment	Asset Code: Date: 26-01-2023
Data Checked	d By: Mr. M Fiaz	Designation: Team Lead	Sign & Date: 15 May 2023

	Integrated Developr	ment And Ass	et Managemen	nt Plan (IDAMP)
		unicipal Comr		
Form:	-	Disposal Statio		Asset Code:
IDAMP-A7	Asset Condit	tion Assessme	nt	Date: 26-01-2023
	Asset Detail			Pictures
Name	1	-	i Wala	
Location	Latitude		83818	
	Longitude	_	05366	
Address			1ohalla, Jhang	
Area (Kanal/Acres)			).5	
Installation Year			992	
Capital Cost			vailable	
Outfall Drain Sewer		-	86″	
	Material	RCC		Jhang, Punjab, Pakistan 78R3+RR, Bhabrana Mohalla Mohalla
	No. of Screens		2	Bhabrana, Jhang, Punjab, Pakistan Lat 31.292188°
Screening Chamber	Screen Condition		<b>air</b> Poor	Soogle Long 72.303762° 26/01/23 04:33 PM GMT +05:00
	Chamber Structure	Ma	sonry	and the second se
	Number		2	
	Shape	Rectangular		
Wet Wells	Size		25'	
	Structure	Masonry	RCC	
	Railing	Yes	No	
	No. of Delivery			
	Pipes			212 200
	Dia			Jana, Purab, Patitan Jana Purab, Patitan Jana Purab, Patitan
Force Main	Material	No Foi	rce Main	Stand and the second se
	Starting Point			
	Ending Point			
	Length			
	Size		5′x3′	- Carrow
Sullage Carrier	Shape		angular	- Barris
-	Length		50'	
	Condition		air Poor	
Delivery Pipe	Dia		.0″	Jhang, Punjab, Jakan Jhashara, Punjab, Jakan Piot 909, Bhabrana Mohala Xhouhar
	Material		C.I	Colany, Jhang, Punjab, Pakistan Lat 31.381935** Long 72.306728*
Suction Pipe	Dia		.2″	20000 2010/23 04:34 PM GMT +05:00
•	Material		C.I	4
	Sluice Valves		10	4
Number of Valves	Non-Return Valves		5	4
	Penstock Valves		4	

	Integrated D	evelopi	ment And A	sset	t Manage	emer	nt Plan (IDAN	ЛР)			
	<u> </u>		unicipal Co				Ì				
Form:	Sew	erage [	Disposal Sta	Disposal Station Asset C				Code	e:		
IDAMP-A7	Asset	Condi	tion Assess	men	nt				Date	: 26-01-20	)23
Ultimate Disposa	l		Khaira	Khairanwala Drain							
<b>Civil Structure Co</b>	ndition		Good	Fa	i <b>r</b> Po	oor			1	the state	
Control Room Str	ucture		Good	Fa	i <b>r</b> Po	oor			_		
Discharge Box Str	ucture		Good	Fa	i <b>r</b> Po	oor			(D)	V	
Approach to Pum	p House		Good	Fa	ir Po	oor	4				
Hoisting Girder			Yes		No			The state			
Boundary Wall &	Gate		Yes		No		Ę.	Jhang, I	Punjab, Paki babrana Mobali	stan	
Treatment of Sew	/age		Yes		No			Wall, Jhann Lat 31,283 Long 72,30		an	
Wastewater daily	discharge in m3/o	day?		110			Goo		94:36 PM GMT +	05:00	
(based on available information at MC)				119	723						
Ultimate disposal of wastewater?											
E	lectro-Mechanical	Equipn	nent Details	s							
Number of WAPD	A Feeders			2	2						
Transformer Capa	acity (kVA)			63	80						
Number of MCU				4	ŀ						
Sanctioned Load	(kw)			19	90						
Power Factor Imp	provement Equipm	ent	Yes		No						
Service Cable			Yes		No						
Power Wiring			Yes		No						
Earthing of Motor	r		Yes		No						
Earthing of MCU			Yes		No						
Generator Availa	bility		Yes		No						
Light Wiring of Pu	Imp House		Yes		No						
Change Over			Yes		No						
			Pump	De	tail						
			Pump A		Pump	В	Pump C	Pump	D C	Pump	E
			Centrifuga	al	Centrifu	gal	Centrifugal	Centrif	ugal	Centrifu	-
Pump Type			/ Non-		/ Non-		/ Non-	/ No		/ Non	
			Clogging	5	Cloggin	g	Clogging	Clogg	ing	Cloggir	וg
Pump Brand			KSB		KSB		KSB	KSE	3	KSB	
Pump Paint											
Motor Brand			KSB		KSB		KSB	KSE		KSB	
Installation Year of			1992		1992		1992	199	2	1992	
Discharge Capacit			4		5		5	5		5	
Rotational Speed	(RPM)		960		960		960	960		960	
Head (ft.)			40		40		40	40		40	
Motor Power (HP			50		50		50	50		50	
Pump Daily Runni	ing Time (Hours)		NF		12		12	4		NF	
Base Plate			Yes No	D	Yes	10	Yes No	Yes	No	Yes	No
	Sluice Valve						10				
Number of Valves		S					5				
	Valve						-				
	_		Overal	I Ra						_	
Average Score	1		2		3		4			5	
Asset Condition	Excellent		Good		Fair		Poo			Failing	
Category	Α		В		С		D			E	
		F	Remarks / R	lequ	irement	S					

	Integrated Develop	ment And Asset Management F	Plan (IDAMP)
	Μ	lunicipal Committee Jhang	
Form: IDAMP-A7	-	Disposal Station ition Assessment	Asset Code: Date: 26-01-2023
in the dry Following iter Pen Stock Repair NI Delivery I	v well too. Wet well rema ns are required in Lakhiw pumps immediately. Pipe steel Screen angle	ins filled due to NF pumps. ala disposal station Sluice val Non-Retu sewage su	
Data Collected By.	: Mr. Abdullah	Designation: Team Member	Sign & Date: 15 May 2023
Data Checked By:	Mr. M Fiaz	Designation: Team Lead	Sign & Date: 15 May 2023

	Integrated	Developme	ent And	Asset Manage	ement Plan (IDAMP)
		Mur	nicipal Co	ommittee Jha	ng
Form: IDAMP-A7		age Dispos Condition A			Asset Code: Date: 26-01-2023
	Asset I	Detail			Pictures
Name			Harmal I	Pura	
Location	Latitude		31.264	14	
Location	Longitude		72.293	86	
Address		Вур	ass Road	d, Jhang	0
Area (Kanal/Ad	cres)		3		· · · · · · · · · · · · · · · · · · ·
Installation Yea	ar		1976	5	
Capital Cost		1	Not Avai	lable	which are set of the s
Outfall Drain	Dia		42"		
Sewer	Material		RCC		
	No. of Screens		1		
Screening Chamber	Screen Condition	Good	Fair	Poor	And Andrew December 1
Chamber	Chamber Structure		Masor	iry	
	Number		1		Jhang Sadar, Punjab, Pakistan
	Shape	Rectange	ular	Circular	Bypass Rd, Jhang Sadar, Jhang, Punjab, Pakistan
Wet Wells	Size		26'		Lat 31.264128*
	Structure	Mason	ry	RCC	Google Long 72.293716* 26/01/23 05:01 PM GMT +05:00
	Railing	Yes		No	
Force Main	No. of Delivery Pipes	N	lo Force	Main	
	Dia				

	Integrated	Developme	ent And As	set Manag	ement Plan	(IDAMP)
		Mun	icipal Com	mittee Jha	ing	
Form: IDAMP-A7		age Dispos				Asset Code: Date: 26-01-2023
	Material				T	197
	Starting Point					and the second se
	Ending Point					I - Los
	Length					
	Size		2.5′x3′		_	
	Shape		Rectangula	n	_	
Sullage Carrier	Length		1200'		_	Contrast and Contrast
	Condition	Good	Fair	Poor		Jhang Sadar, Punjab, Pakistan Bysos Bi, Jhang Sadar, Jhang, Punjab, Pakistan
	Dia	24"	20"	12"		Soogle Lun 312/39/94/ 28(70)23 04/10 PM GMT +05/00
Delivery Pipe	Material	C.I	C.I	C.I	_	
	Dia	24"	20"	12"	1	
Suction Pipe	Material	C.I	C.I	C.I	-	
	Sluice Valves	2	6	1 0	1	
	Non-Return		-		_	
Number of	Valves		3			
Valves	Penstock				_	Jhang Sadar, Punjab, Pakistan
	Valves		2			Bipsos Hd, Jhang Satar, Jhang, Punjab, Pakinan Lat 31201169*
Ultimate Dispos		Kha	airanwala c	Irain		Coogle Long /2284006* 20(0)/25 0+58 PM GMT + (05:00
Civil Structure C		Good	Fair	Poor		and the second se
Control Room St		Good	Fair	Poor		
Discharge Box S		Good	Fair	Poor		
Approach to Pur		Good	Fair	Poor		2 L L
Hoisting Girder	•	Yes		No		and the second second
Boundary Wall &	& Gate	Und	er Constru	ction		
Treatment of Se		Yes		No		Jhang Sadar, Punjab, Pakistan Bysess Hd, Jhang Saster, Jhrna, Punjab,
	ily discharge in					Soogle Ling 72.29069* 20(1) 50 company - 05-00
m3/day?			22142			The second se
(based on availa	able information		22142			
at MC)						
Ultimate d	disposal of					
wastewater?						
	ectro-Mechanical	Equipment				
Number of WAP			2 (1NF)		4	
Transformer Cap			630		4	
Number of MCU			3		4	
Sanctioned Load			286		4	
Power Factor	Improvement	Yes		No		
Equipment				NI -		
Service Cable		Yes		No		
Power Wiring	or	Yes		No	-	
Earthing of Mot		Yes		No	-	
Earthing of MCU		Yes		No	-	
Generator Avail	-	Yes		No	-	
Light Wiring of F	rump House	Yes		No	-	
Change Over		Yes	Dresser	No	1	
		2	Pump I	Jetall	Dumer D	
		Pur	np A		Pump B	Pump C

	Integrated	Development And Municipal C	Asset Manager ommittee Jhan		/IP)				
Form: IDAMP-A7		rage Disposal Statio Condition Assessme			Asset	t Code: Date: 26-01-2023			
Ритр Туре		Vertical Shaft No Clogging Centrifu Pump	gal Cloggin	ll Shaft Non- g Centrifugal Pump	-	rtical Shaft Non- gging Centrifugal Pump			
Pump Brand		KSB		KSB		KSB			
Pump Paint		Good Fair Po	oor <b>Good</b> F	air Poor	Good	Fair Poor			
Motor Brand		Warszawska Fabry	vka Warsza	wska Fabryka	Wa	irszawska Fabryka			
Installation Yea	r of Pump	1976		1976 1976					
Discharge Capa	city (Cusecs)	5		10 10					
Rotational Spee	ed (RPM)	960		960		960			
Head (ft.)		50		50		50			
Motor Power (H		100		100		100			
Pump Daily (Hours)	Running Time	4		12		12			
Base Plate		Yes No	Yes	No	Yes	s No			
Number of	Sluice Valve			6					
Valves	Non-Returning			3					
	Valve	Over	all Rating						
Average Score	1		-	4		5			
Asset Condition	Excellent	2 3 4 5							
condition		Good	Fair	Poor		Failing			
Category		B Remarks /	C Requirements	D		_			
<ul> <li>A pump</li> <li>It has 2 functio</li> <li>Following Control</li> <li>sewage</li> <li>Pen Stop</li> <li>Suction</li> <li>Deliver</li> </ul>	o is out of order as transformers, Urb nal in order to ma omponents are re submersible purr ock n Pipe	B Remarks / s its delivery pipe is ban and Rural. One is ke working of pump quired ap	C Requirements broken, it needs s functional whi os constant. RCC wor Bend HI Sluice va Non-Ref	D s to be repaired. le other is non-f rk DP	unction	E			
<ul> <li>A pump</li> <li>It has 2 functio</li> <li>Following Control</li> <li>sewage</li> <li>Pen Stop</li> <li>Suction</li> <li>Deliver</li> </ul>	o is out of order as transformers, Urk nal in order to ma omponents are re submersible purr ock n Pipe y Pipe ss steel Screen ang By: Mr. Abdullah	B Remarks / s its delivery pipe is ban and Rural. One is ke working of pump quired ap	C Requirements broken, it needs s functional whi os constant.	D s to be repaired. le other is non-f rk DP alve curn valve tic Controller Sy	unction <u>stem</u>	E al and needs to be			

	Integra	ated Deve	lopment	And Asse	t Management Plan (IDAMP)
					ittee Jhang
Form: IDAMP-A7		ige Dispos ondition A			Asset Code: Date: 26-01-2023
	Asset [	Detail			Pictures
Name			arooqaba		
Location	Latitude		31.25684	1	
	Longitude		72.34811		
Address		Naya	Shehar,	Jhang	
Area (Kanal/A	-		0.2		
Installation Y	ear		1992		
Capital Cost		No	ot Availal	ble	
Outfall Drain	Dia		36″		The file and
Sewer	Material No. of		RCC		
	Screens		1		
Screening Chamber	Screen Condition	Good	Fair	Poor	Reps Map Camera Naya Shehar, Punjab, Pakistan
	Chamber		Masonry	/	786V+38J, Naya Shehar, Jhang, Punjab, Pakistan
	Structure				Lat 31.260254°
	Number Shape	Rectang	1	Circular	Long 72.343382° 26/01/23 05:36 PM GMT +05:00
Wet Wells	Size	Rectarg	20'		
wet wens	Structure	Mason		RCC	
	Railing	Yes	• •	No	
	No. of Delivery Pipes Dia				
Force Main	Material Starting	No Force Main			GPS Map Camera Naya Shehar, Punjab, Pakistan
	Point Ending Point Length				786V+38J, Naya Shehar, Jhang, Punjab, Pakistan Lat 31.260254* Long 72.343382* 26/01/23 05:36 PM GMT +05:00
	Size		2.5′x3′		
Sullage	Shape	R	ectangul	ar	
Carrier	Length		150'		
	Condition	Good	Fair	Poor	
Delivery	Dia Material		6"		A Design of the state of the second
Pipe	Material Dia		C.I 6″		
Suction Pipe	Dia Material		C.I		
	Sluice Valves		4		CPS Map Camera
Number of	Non-Return Valves		2		Jhang, Punjab, Pakistan 784X+H5M, Jhang, Punjab, Pakistan
Valves	Penstock				Lat 31.256731° Long 72.347592°
	Valves		1		Boogle 26/01/23 05:36 PM GMT +05:00
Ultimate Disp		(	Dpen Fiel	d	Compared of the Dataset and Dataset
Civil Structure		Good	Fair	Poor	
Control Room	Structure	Good	Fair	Poor	
Discharge Box	<ul> <li>Structure</li> </ul>	Good	Fair	Poor	
Approach to	-	Good	Fair	Poor	
Hoisting Gird	er	Yes		No	

	Integra	ated Developm	ient And	d Asset	: Manager	nent Plan (II	DAMP)			
		Mu	nicipal	Commi	ttee Jhan	g				
Form:	Sewera	ige Disposal Sta	ation				A	sset Code:		
IDAMP-A7	Asset Co	ondition Assess	ment					Date: 26-01-2023		
Boundary Wa	ll & Gate	Yes	N	C						
Treatment of	Sewage	Yes	N	0						
Wastewater o	daily discharge									
in m3/day?		71	E /							
(based or	n available	/1	54							
information a	t MC)									
	disposal of									
wastewater?										
	tro-Mechanical									
	APDA Feeders	1								
	Capacity (kVA)	10								
Number of M		2								
Sanctioned Lo		6	0							
	Improvement	Yes	N	b						
Equipment				_						
Service Cable		Yes	N	-						
Power Wiring		Yes	N	-						
Earthing of M		Yes	N	-						
Earthing of M		Yes	N	-						
Generator Av	-	Yes	N							
	of Pump House	Yes	N	-						
Change Over		Yes	N	-	atail					
			Pump /	np Det	all		Du	umn P		
Pump Type		Centrifu	ing	Pump B ng Centrifugal/ Non-Clogging						
Pump Brand		Centinu	IIIg	KSB						
Pump Paint		Good	KSB Fair		Poor	Good Fair Poor				
Motor Brand		0000	Siemen		1001	Siemens				
Installation Ye	ear of Pumn		1992	5		1992				
	pacity (Cusecs)		3			3				
Rotational Sp			960					960		
Head (ft.)		<u> </u>	40					40		
Motor Power	(HP)		40					40		
	Running Time									
(Hours)	<b>J</b>		12					16		
Base Plate		Yes		N	0	Yes		No		
	Sluice Valve					4				
Number of	Non-									
Valves										
	Valve									
Overall Rating										
Average Scor	e 1	2			3	4		5		
Asset Condition	Excellen	t Goo	od		Fair	Poo	or	Failing		
Category	Α	В			С	D		E		
		R	emarks	/ Requ	irements					

	Integrated Development And Asset Management Plan (IDAMP)									
	Municipal Committee Jhang									
Form: IDAMP-A7	Sewerage Dis Asset Conditio	Asset Code: Date: 26-01-2023								
<ul> <li>Ther</li> <li>Slud</li> <li>A pu</li> <li>Pen</li> <li>Decr</li> </ul>	<ul> <li>Wet well get overfilled with solid waste so reinstallation of MS screen is required.</li> <li>There is no back up for electricity, a generator is required for fluent functioning.</li> <li>Sludge carrier drain into Open Fields, where harmful polluted vegetables are produced.</li> <li>A pump is out of order due to pipe breakage, it needs immediate repair.</li> <li>Pen stocks, sluice valves and non-returning valves are needed to be installed.</li> <li>Decreasing detention time of the wet well by making both pumps functional and increasing the working hours.</li> </ul>									
Data Collecte	ed By: Mr. Abdullah	Jul Sign & Date: 15 May 2023								
Data Checked By: Mr. M Fiaz Designation: Team Lead Sign & Date: 15 May 2023										

	Integrated	Development An	d Asset Manage	ment Plan (IDAMP)		
		Municipal	Committee Jhan	g		
Form: IDAMP-A7		rage Disposal Stat		Asset Code: Date: 26-01-2023		
	Asset I	Detail		Pictures		
Name		Khokhrar	n Disposal			
Location	Latitude	31.2	6521			
Location	Longitude	72.3	7370			
Address		Village 269W	/ Road, Jhang			
Area (Kanal/Acr	es)	0.	75			
Installation Year	•	2004 (Unde	r Extension)			
Capital Cost		27.2 Mi	llion Pkr			
Outfall Drain	Dia	42	2″			
Sewer	Material	R.0	C.C			
	No. of Screens		1			
Screening Chamber	Screen Condition	Good Fa	<b>ir</b> Poor			
Champer	Chamber Structure	Mas	onry			
	Number		2	GPS Map Camera		
	Shape	Rectangular	Circular	Jhang, Punjab, Pakistan		
Wet Wells	Size	2	5'	Village 269 W Rd, Jhang, Punjab, Pakistan		
	Structure	Masonry	RCC	Lat 31.265354°		
	Railing	Yes	No	Long 72.373366° 26/01/23 06:05 PM GMT +05:00		
	No. of Delivery					
	Pipes					
Force Main	Dia	No Ford	ce Main			
	Material					
	Starting Point					

	Integrated	Developme	nt An	d Asse	t Manag	emen	t Plan (IDAN	1P)			
					nittee Jha						
Form:	Sewer	rage Dispos	al Sta	tion			Asset Co	de: _			
IDAMP-A7	Asset C	Condition As	ssessr	nent				Da	te: 26	5-01-2023	
	Ending Point						Service and	-		and the second se	
	Length						A State of the second		-	6.0	
	Size	2.5'x3'						and the second	F	a	
Sullage Carrier	Shape		Recta	ngular							
Sunage Carrier	Length		60	00'							
	Condition	Good	Fa	air	Poor						
Delivery Pipe		1	2″			A	B MARKAN	(Maria	E EFERRE		
Delivery ripe	Material			2.1			Jhang, Punjab, Pak Minja 201 w Kit Joine Lit 31,269041 Mine 72,3736074	Istan Aurgun, Racazor	Jhang, Punjab, Pa dings 208 42 84 Jone Jac 31,269 641 Jac 27, 373558*	kistan , Purpub, Pucador	
Suction Pipe	Dia			2″			Google 2001/28 COCE PH OVE	1000	2041/28 00:06 PM 04	10000	
oution i pe	Material			2.1				A	1000		
	Sluice Valves			6			1		/		
Number of	Non-Return			3					/		
Valves	Valves						ξ.				
	Penstock			2							
	Valves										
Ultimate Dispos				n Field							
Civil Structure C		Good		air	Poor		1				
Control Room St		Good		air	Poor		1	U -			
Discharge Box St		Good		air	Poor			Village 208 47 Rif, Josep, Purjah Lit 31,260'69' Jose 77,3732524	Packdow		
Approach to Pur	np House	Good	F	air	Poor		Google	20-01/2810010 4810311-00201			
Hoisting Girder	) Cata	Yes			No						
Boundary Wall &					No						
Treatment of Se	wage ily discharge in	Yes			No						
m3/day?	ny discharge m	13967									
	able information										
at MC)											
-	disposal of										
wastewater?											
El	ectro-Mechanical	Equipment	Deta	ils							
Number of WAP				2							
Transformer Cap	pacity (kVA)		2	00							
Number of MCU				3							
Sanctioned Load	l (kw)		1	70							
Power Factor	Improvement	Yes			No						
Equipment		Tes			NO						
Service Cable		Yes			No						
Power Wiring		Yes			No						
Earthing of Mot		Yes			No						
Earthing of MCU		Yes			No						
Generator Availa	-	Yes			No						
Light Wiring of F	Pump House	Yes			No						
Change Over		Yes			No						
		_		imp De	etail	_	_	_			
			np A	1		Pum			ump		
Pump Type		Centrifu	-	ion-	Cen	-	al/ Non-		-	/ Non-	
			gging SB			Clogg KSI		L	loggir KSB	IR	
Pump Brand				Deer	Good			Good		Door	
Pump Paint		Good F	air	Poor	Good	Fair	Poor	Good F	air	Poor	

Integrated Development And Asset Management Plan (IDAMP)										
	Municipal Committee Jhang									
Form:	Sew	erage Disposa	l Station			Asset C	ode:			
IDAMP-A7		Condition As					ate: 26-01-2023			
Motor Brand		Siem	nens	S	iemens	ns Siemens				
Installation Yea	r of Pump	20	04		2004		2004			
Discharge Capa	city (Cusecs)	5	5		6		6			
Rotational Spee	ed (RPM)	96	50		960		960			
Head (ft.)		4	0		40		40			
Motor Power (I	HP)	7	5		75		75			
Pump Daily (Hours)	Running Time	2	1		12		12			
Base Plate		Yes	No	Yes	No	Yes	No			
Number of	Sluice Valve				6					
Number of Valves	Non-Returning Valve				3					
			Overall Ra	ating						
Average Score	1	2		3	4		5			
Asset Condition	Excellent	Good		Fair Poor			Failing			
Category	Α	В		С	D		E			
		Rem	narks / Req	uirements						
<ul> <li>It has 2 functio</li> <li>Provision</li> </ul>	o is out of order a transformers, Ur nal in order to ma on of sluice valves carrier drops in O	ban and Rural ke working of and non-retu	. One is fun f pumps cor ırning valve	ctional whi nstant. s.	le other is non-fu					
Sludge carrier drops in Open Fields which pollute the crops irrigated and spread diseases.  Data Collected By: Mr. Abdullah Designation: Team Member Sign & Date: 15 May 2023							y 2023			
Data Checked B	y: Mr. M Fiaz	Designat	ion: Team L	.ead	Sign & Dat	Buybr	Y			

	Integrate	ed Develop	oment An	d Asset Ma	lanagement Plan (IDAMP)
		Ν	/lunicipal	Committe	ee Jhang
Form: IDAMP-A7		ge Dispos		ŀ	Asset Code: Date: 26-01-202
	Asset D			•	Pictures
Name	Assel D		slam Naga	)r	Fictures
Nume	Latitude		31.26739		-
Location	Longitude		72.34412		-
Address	Longitude	Can	al Road, Jł		-
Area (Kanal/Ad	cres)	cun	0.2		-
Installation Yea	-		2015		
Capital Cost		3	Million Pl	kr	
Outfall Drain	Dia		18″		
Sewer	Material		RCC		
	No. of				- The
	Screens		1		
Screening	Screen	<u> </u>	- ·	<b>_</b>	
Chamber	Condition	Good	Fair	Poor	and the state
	Chamber		N 4	•	
	Structure		Masonry		
	Number		1		
Wet Wells	Shape	Rectang	ular 🛛	Circular	
	Size	20'			
	Structure	Mason	ry	RCC	Jhang, Punjab, Pakistan Joyush Chang A, Jung A
	Railing	Yes		No	Lut 31.2075004 Lut 31.2075004
	No. of				COCTO 122001/23 08:20 PM OMT +05:00
	Delivery		1		
	Pipes				
Delivery Pipe	Dia		6″		
Delivery Pipe	Material		C.I		
	Starting Point		Wet well		- GPS Map Camera
	Ending Point	De	ep Manho	ole	Jhang, Punjab, Pakistan
	Length		100'		789V+3RH, Canal Rd, Jhang, Punjab, Pakistan
	Size				Lat 31.267477° Long 72.344211°
Sullage	Shape	No	Sullage Ca	rrier	Google 26/01/23 06:19 PM GMT +05:00
Carrier	Length		Junage eu		
	Condition		- **		
Delivery Pipe	Dia		6"		
- /	Material		C.I		
Suction Pipe	Dia		6"		
• -	Material		C.I		
	Sluice Valves		2		
Number of	Non-Return		1		
Valves	Valves				
	Penstock		1		
Illian at a Diar	Valves	17 - ·			B smane (crav) Jhang, Panina, Pakistan
Ultimate Dispo			nanwala T		AP 2019 Billing Gaussian Annual, Tray Laki, Industan Laki, 1972 Jane San Laki, 1973 Jane San
Civil Structure		Good	Fair	Poor	
Control Room		Good	Fair	Poor	4
Discharge Box		Good	Fair	Poor	-
Approach to Pu Hoisting Girder		Good Yes	Fair	Poor No	-
-					4
Boundary Wall		Yes		No	

	Integrate				ment Plan (IDAMP)				
Municipal Committee Jhang									
Form: IDAMP-A7		ge Disposal Standition Assess			Ass	et Code: Date: 26-01-2023			
Treatment of Se		Yes	N	<b>)</b>					
Wastewater da	-								
m3/day?									
(based on information at l		4	26						
	lisposal of								
	ro-Mechanical E	quipment Det	tails						
Number of WA			1						
Transformer Ca			.00						
Number of MCL			1						
Sanctioned Loa			25						
Power Factor									
Equipment		Yes	N	D I					
Service Cable		Yes	N	<b>D</b>					
Power Wiring		Yes	N						
Earthing of Mot	or	Yes	N	)					
Earthing of MCl		Yes	N	)					
Generator Avai		Yes	N	)					
Light Wiring of		Yes	N	)					
Change Over	_	Yes	N	C					
			Pump	Detail					
					Pump A				
Pump Type				Centrifug	gal/Non-Clogging				
Pump Brand					BECO				
Pump Paint				No	t Available				
Motor Brand	_				BECO				
Installation Yea		2015							
Discharge Capa	1 1 1				0.5				
Rotational Spee	ed (RPM)				960				
Head (ft.)					30				
Motor Power (H					30				
Pump Daily F	Running Time				10				
(Hours)				N -	+ A				
Base Plate	Sluice Valve			NO	t Available				
	Non-				1				
	Returning				1				
	Valve				1				
	Valve		Overall	Rating					
Average Score									
Asset Condition	Excellent	Good	н	Fair	Poor	Failing			
Category	A	В		С	D	E			
Remarks / Requirements									
ultimate <ul> <li>There is</li> </ul>	posal station is e disposal as the no proper pump nd Power factors	previous Oper house nor an	n Fields la	nd is acquire		proper channel for			

	Integrated Development And Asset Management Plan (IDAMP)										
	Municipal Committee Jhang										
Form: IDAMP-A7	Sewerage I Asset Condi	Asset Code: Date: 26-01-2023									
<ul> <li>Proper control and monitoring system needed.</li> <li>An additional screen needs to be installed.</li> <li>A backup generator is required for electricity.</li> </ul>											
Data Collecte	d By: Mr. Abdullah	Designation: Team Member	Sign & Date: 15 May 2023								
Data Checked	l By: Mr. M Fiaz	Designation: Team Lead	Sign & Date: 15 May 2023 Sign & Date: 15 May 2023								

	Integrated Development And Asset Management Plan (IDAMP)									
		Mu	nicipa	l Committe	ee Jhang					
Form: IDAMP-A7		ge Disposal S ondition Asses			Asset Code: Date: 26-01-2023					
	Asset D	Detail	Pictures							
Name		Karman	wala 1	Гown						
Location	Latitude	31.2	282002	2						
Location	Longitude	72.3	33404	6						
Address		Karmanwa	a Tow	n, Jhang						
Area (Kanal/A	cres)		0.5							
Installation Ye	ar	2	800		AL AND A DECEMBER OF A DECEMBE					
Capital Cost		20 M	illion F	Pkr						
Outfall Drain	Dia		36"							
Sewer	Material		RCC							
	No. of Screens	1								
Screening Chamber	Screen Condition	Good	Fair	Poor						
	Chamber Structure	Ma	isonry		La Grave demov Jhang, Punjab, Pakistan Unnamed Road, Jhane, Punjab, Pakistan Lat 31.281992* Lat 31.281992*					
	Number		2		Cocgle 22:334019* Cocgle 26/01/23 06:36 PM GMT +05:00					
	Shape	Rectangular	. (	Circular						
Wet Wells	Size		25'							
	Structure	Masonry		RCC						
	Railing	Yes		No						
	No. of Delivery Pipes	No Force Main			GPS Map Camera Jhang, Punjab, Pakistan Unnamed Road, Jhang, Punjab, Pakistan					
Force Main	Dia Material				Lat 31.282028° Long 72.33406° 26/01/23 06:36 PM GMT +05:00					
	Starting Point Ending Point									

	Integrated Development And Asset Management Plan (IDAMP)											
					Committe							
				•			-					
Form:	Sewera	age Disposa	al Sta	tion				Asset Co	de:			
IDAMP-A7	Asset Co	ondition As	sess	men	t			Date: 26-01-2				
	Length											
	Size		2.5	'x3'								
Sullage	Shape	R		ngula	ar	-						
Carrier	Length		50									
	Condition			Good Fair Poor								
<b>Delivery Pipe</b>	Dia		8″				and a second					
· ·	Material		<u>C</u>			-						
Suction Pipe	Dia		8									
	Material		<u> </u>	.I 2				A VI	2			
	Sluice Valves		2	<u> </u>			3.2	Jhang, Punjab, Pakistan Unnemed Roed, Jhang, Punjab, Pakistan Lat.31.282017*				
Number of	Non-Return Valves		2	2			5.50(p)	Long 72.334049" 28/01/23 06:38 PM GMT +05:00				
Valves	Penstock											
	Valves		2	2								
Ultimate Dispo	osal	(	Dpen	Field	ł							
Civil Structure		Good	Fa	air	Poor							
<b>Control Room</b>	Structure	Good	Fa	air	Poor							
Discharge Box	Structure	Good	Fa	air	Poor							
Approach to P	ump House	Good	Good Fa		Poor							
Hoisting Girde	r	Yes			No							
Boundary Wal	l & Gate	Yes			No							
Treatment of S	-	Yes			No							
	daily discharge											
in m3/day?		23846										
(based or		23010										
information at Ultimate	disposal of											
wastewater?	uisposai oi											
	tro-Mechanical	Fauinment	Det	ails								
Number of WA			1									
Transformer C				)0								
Number of MC			2	2								
Sanctioned Lo	ad (kw)		4	0								
Power Factor	Improvement	Yes			No							
Equipment		Tes			NO							
Service Cable		Yes			No	-						
Power Wiring		Yes			No							
Earthing of Mo		Yes			No							
Earthing of MC		Yes			No							
Generator Ava	-	Yes			No							
Light Wiring of Change Over	Pump House	Yes Yes			No No							
change Over		res		De	imp Detai							
				Pum	-	•		Pump B				
Pump Type					rsible		+	Submersible	2			
Pump Brand			50	KSI				KSB	-			
Pump Paint		Good		Fai		Poor	Good	Fair	Poor			
Motor Brand			9	Siem				Siemens				
Installation Ye	ar of Pump			200	8			2008				
			_									

Integrated Development And Asset Management Plan (IDAMP)									
		Municipal (	Committee Jhang						
Form:	Sewerage	Disposal Station		A	Asset Code:				
IDAMP-A7	Asset Con	dition Assessment			Date: 26-01-2023				
Discharge Cap	acity (Cusecs)		5						
<b>Rotational Sp</b>	eed (RPM)	960			960				
Head (ft.)		40			40				
Motor Power		50			50				
Pump Daily (Hours)	Running Time	12			16				
Base Plate		Yes	No	Yes	No				
	Sluice Valve			2					
Number of Valves	Non- Returning Valve	2							
		Ove	rall Rating						
Average Score	e 1	2	3	4	5				
Asset Condition	Excellent	Good	Fair	Poor	Failing				
Category	Α	В	С	D	E				
		Remarks	/ Requirements						
pollut • Electr	ltimate disposal is i ed vegetables. icity backup genera de pen stock and no	tor is required.		for the crops as we	e ultimately eat these				
Data Collected By: Mr. Abdullah     Designation: Team Member     Juli       Sign & Date: 15 May 2023									
Data Checked	By: Mr. M Fiaz	Designation: Te	eam Lead	Sign & Date: 2	Sign & Date: 15 May 2023				

	Integrated Development And Asset Management Plan (IDAMP)							
	Municipal Committee Jhang							
Form:Sewerage Disposal StationAsset Code:IDAMP-A7Asset Condition AssessmentDate: 26-01-202								
	Asset	Detail	Pictures					
Name		Gharay bhan						
Location	Latitude	31.275555						
Location	Longitude	72.297222						
Address		Gharay bhan						
Area (Acres)		0.25						
Installation Yea	r	2014						

	Integrated D	evelopmen	t And	Asset	t Manageme	ent Plan (IDAMP)
		-			ittee Jhang	
Form: IDAMP-A7		age Disposa Condition As	Asset Code: Date: 26-01-2023			
Capital Cost			6 Mill	ion Pl	kr	
Outfall Drain	Dia			6″		
Sewer	Material	RCC				
	No. of Screens			1		
Screening	Screen Condition	Good	Fa	air	Poor	
Chamber	Chamber					
	Structure	Masonry				
	Number			2		
	Shape	Rectangu		_	Circular	
Wet Wells	Size			25'		
	Structure	Mason		-	RCC	1
	Railing	Yes			No	1
	No. of Delivery					
	Pipes					
	Dia					
Force Main	Material	Ν	lo for	ce ma	ain	
	Starting Point					
	Ending Point					
	Length					
	Size	4'x4' (I	Band	Cross	convert)	
	Shape			ngula		
Sullage Carrier	Length			50'		
	Condition			Poor		
	Dia			.2″		
Delivery Pipe	Material	HDPE				
	Dia	12"				
Suction Pipe	Material			DPE		
	Sluice Valves			4		
Number of	Non-Return			-		
Valves	Valves			2		
	Penstock Valves			1		1
Ultimate Disposa		Wa	ste W	ater	Pond	1
Civil Structure Co		Good		air	Poor	1
Control Room St		Good	Fa	air	Poor	1
Discharge Box St	ructure	Good		air	Poor	]
Approach to Pun		Good		air	Poor	
Hoisting Girder		Yes			No	
Boundary Wall &	Gate	Yes			No	
Treatment of Sev	vage	Yes			No	]
Wastewater da	ily discharge in					
m3/day? (based on available information at MC)			3,	058		
	l of wastewater?	Wa	ste W	ater l	Pond	1
-	ectro-Mechanical					1
Number of WAPI		1		2		1
Transformer Cap				 , 100		1
Number of MCU	-, , ,,			2		1
				-		

	Internated D		A			
	Integrated D		Asset Manageme Committee Jhang	ent Plan (IDAIVIP)		
Form:		rage Disposal Sta			Asset Code:	
IDAMP-A7	Asset	Condition Assess	ment		Date: 26-01-2023	
Sanctioned Load	l (kw)		45			
Power Factor Equipment	r Improvement	t Yes No				
Service Cable		Yes	No			
Power Wiring		Yes	No			
Earthing of Mot	or	Yes	No			
Earthing of MCU		Yes	No			
<b>Generator Availa</b>	ability	Yes	No			
Light Wiring of P	ump House	Yes	No			
Change Over		Yes	No			
		Pun	np Detail			
		Pu	mp A		Pump B	
Pump Type		Centrifugal/	Non-Clogging	Centrifug	gal/ Non-Clogging	
Pump Brand		k	(SB		KSB	
Pump Paint		Good	air Poor	Good	Fair Poor	
Motor Brand		Sie	mens		Siemens	
Installation Year	of Pump	2	014	2014		
Discharge Capac	ity (Cusecs)		5	5		
<b>Rotational Spee</b>	d (RPM)	g	960	960		
Head (ft.)			40		40	
Motor Power (H	P)		60	60		
Pump Daily Run	ning Time (Hours)		8	8		
Base Plate		Yes	No	Yes No		
Number of	Sluice Valve			4		
Valves	Non-Returning Valve			2		
		Over	all Rating			
Average Score	1	2	3	4	5	
Asset Condition	Excellent	Good	Fair	Poor	Failing	
			-		Failing	
Category	Α	В	C	D	E	
Category		——————————————————————————————————————		D		
<ul> <li>No powe</li> <li>There is</li> <li>Screenir</li> <li>Two kine</li> <li>This drai</li> <li>Sludge c</li> </ul>	er factor, no proper screen d og chamber needs t ds of sewers feed th in needs to be cove arrier exits into Ope	Remarks / ue to which wet v o be installed . his DS, one 36" se red to avoid SW r en Fields which p	C <b>Requirements</b> wells are filled wit wer and an open of nixing and avoid e roduces harmful v	h solid wastes drain. nvironmental po	Ilution.	
<ul> <li>No powe</li> <li>There is</li> <li>Screenir</li> <li>Two kine</li> <li>This drai</li> <li>Sludge c</li> </ul>	er factor, no proper screen d og chamber needs t ds of sewers feed th in needs to be cove	Remarks / ue to which wet v o be installed . his DS, one 36" se red to avoid SW r en Fields which p	C <b>Requirements</b> wells are filled wit wer and an open of nixing and avoid e roduces harmful v	h solid wastes drain. nvironmental po egetables for peo	Ilution.	
<ul> <li>No powe</li> <li>There is</li> <li>Screenir</li> <li>Two kine</li> <li>This drai</li> <li>Sludge c</li> </ul>	er factor, no proper screen d ng chamber needs t ds of sewers feed th in needs to be cove arrier exits into Op urrangement for dis	Remarks / ue to which wet v o be installed . his DS, one 36" se red to avoid SW r en Fields which p	C Y Requirements wells are filled wit wer and an open of nixing and avoid e roduces harmful v is required.	h solid wastes drain. nvironmental po egetables for peo	Ilution. ople.	
<ul> <li>No powe</li> <li>There is</li> <li>Screenir</li> <li>Two kine</li> <li>This drait</li> <li>Sludge c</li> <li>Proper a</li> </ul>	er factor, no proper screen d ng chamber needs t ds of sewers feed th in needs to be cove arrier exits into Op mrangement for dis y: Mr. Abdullah	Remarks / ue to which wet v o be installed . nis DS, one 36" se red to avoid SW r en Fields which pi posing off sludge	C Y Requirements wells are filled wit wer and an open of nixing and avoid e roduces harmful v is required. eam Member	h solid wastes drain. nvironmental po egetables for peo Sign & Date.	Ilution.	

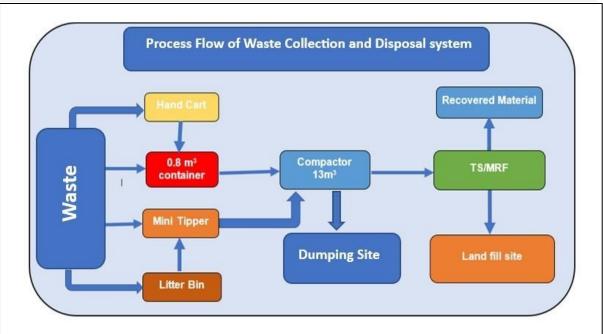
С.	venicies/ wachinery						
Sr #	Name	Registration Number	Age (Years)	Condition	Status	Book Value (PKR Mil)	Capacity
1	Suction Machine-Nissan	JGJ-14-16	14	Fair	Functional	4.32	180 Hp
2	Jetting Machine-Nissan	JGJ-14-15	16	Fair	Functional	3.87	180 Hp
3	Dewatering Sets (Total No. 51)	Not applicable -	Not Available -	Good	Functional	4.59	Not Available
4	Shoulder Foggers (Total No. 12)	Not Applicable	10	Fair	Functional	0.108	Not Available
5	Spray Pumps (Total No. 18)	Not Applicable	10	Fair	Functional	0.162	Not Available
6	Safety Gear			Not Av	vailable		
7	Sewer Safety Equipment (Total No. 3)	Not Applicable	10	Fair	Functional	0.027	Not Available

Integrated Development And Asset Management Plan (IDAMP)										
	Municipal Committee Jhang	3								
Form:	Moveable Asset	Asset Code:								
IDAMP-A16	Asset Condition Assessment	Date: 26-01-2023								
Type of Vehicle / Machinery	Pict	tures								
Sucker Machine, Jetting Machine										
	Sucker Machine	Jetting Machine								
Capacity	4500 Liters	4500 Liters								
Purpose	Suction	Jetting								
Year of Manufacturing	2009	2007								
Model	РКВ-211	Nissan								
Capital Cost	Not Available	Not Available								
Fuel Consumption (lit/month)	694	146								
Condition	Fair	Fair								
Engine Capacity	180hp	180hp								
Maintenance Cost	Not Available	Not Available								

# C. Vehicles/ Machinery

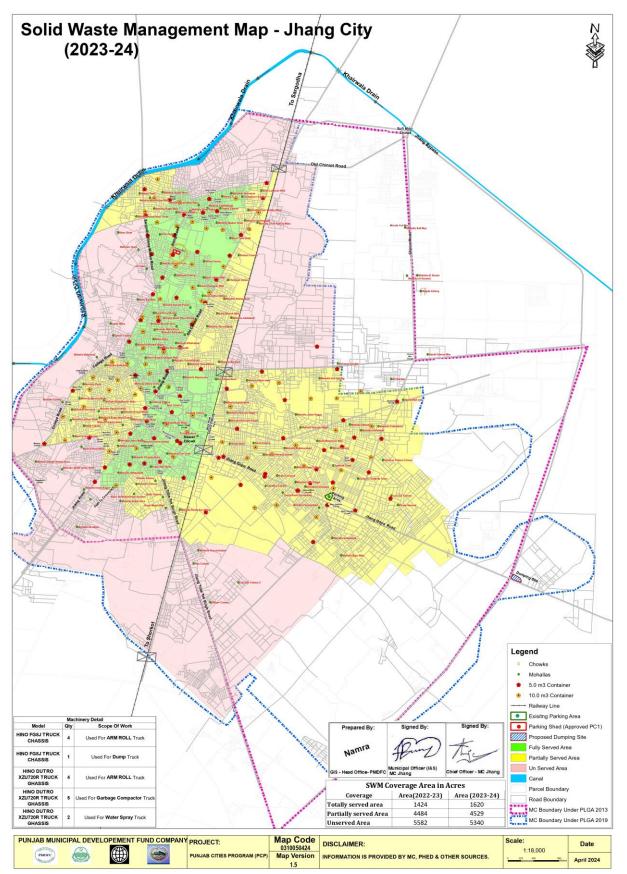
Oiling /Fitness	Yes	Yes
Fitness Certificate	No	No
Registered	JGJ-14-16	JGJ-14-15
Overall Rating	Fair	Fair
	Remarks / Requirement	S
No remarks		
Data Collected By: Mr. Abd	Illah Designation: Team Member	Sign & Date: 15 May 2023
Data Checked By: Mr. M Fig	z Designation: Team Lead	Sign & Date: 15 May 2023

## 3. Solid Waste Management



# 2.1. Key Components of Solid Waste Management System





## A. Dumping Site

Sr #	Name	Age (Years)	Condition	Status	Book Value (PKR Mil)	Area (Acres)	Ownership
1	Dumping Site, Gojra Road	10	Poor	Functional	1581	10	Private
2	Dumping Site, Sargodha Road	8	Poor	Functional	816	5	Private

		Integr	ated Develo	opme	nt and Ass	set Manage	ement P	lan (IDAMP)
				Muni	icipal Com	mittee Jha	ng	
Form	:		Sol	id Wa	aste Dump	ing Site		Asset Code:
IDAMP-A	11.1				dition Ass	-		Date: 26-01-2023
Name			Goj	ra Ro	ad			Pictures
Location	Latitud	le	31.	24084	47			
Location	Longitu	ude	72.	40134	47			
Address			Goj	ra Ro	ad			
Area (Acres	,			10				
Distance fro	om urbai	n area	1	.2 km				
Year the s		ed for		2013				
dumping se				2013				
Average w	/aste du	umped						
daily			Not	Availa	able			
(based on	-	nation						
provided by								
EHS SOPs handlers	s for	waste	Not Available					
Availability	of PD	Fs for						
waste		ectors/	Yes No					
handlers	cone		res No		-	2.24	had a second second second	
Expected Li	fe (Years	5)	20		Contraction of	Carlos Carl	A CONTRACTOR OF A CONTRACTOR OFTA A	
Land Owne	-		Р	rivate	5		-	Section of the sectio
Site Accessi				Fair				
Surface Typ			Flat	D	Depresse		1	Jhang, Punjab, Pakistan
			i lat		d	- 0	1-12	Jhang - Gojra Rd, Jhang, Punjab, Pakistan
Approach R		dition	Good	Fair	Poor		and a	Lat 31.240827° Long 72.401347°
Parking She			Yes		No	Googl	e	26/01/23 05:50 PM GMT +05:00
Boundary V	Vall		Yes		No			
Gate			Yes		No			
Ramps			Yes		No			
Any Buildin	-		Yes		No			
Weigh Brid	ge		Yes		No			
Earth	_	Cover	Yes		No			
Arrangeme								
Compaction			Yes		No			
Plantation	Around S	bite	Yes		No	l		

Integrated Development and Asset Management Plan (IDAMP)									
			Municipal Co	ommittee Jhang					
Form: IDAMP-A11.1			Solid Waste Dun Asset Condition A	• •	Asset Code: Date: 26-01-2023				
Any illegal occu encroachments if yes, type	-		Not Available						
			Overa	ll Rating		-			
Average Score	1		2	3	4	5			
Asset Condition	Excelle	ent	Good	Fair	Poor	Failing			
Category	Α		В	С	D	E			
			Remarks / I	Requirements					
proper disp	osal of solic	l waste	•	off at plain area du vironment and utili available land.					
Data Collected By: Mr. Abdullah			Designation: Te	am Member	Sign & Date: 15 May 2023				
Data Checked By	: Mr. M Fia	z	Designation: Te	am Lead	Sign & Date: 15 May 2023				

Integrated Development And Asset Management Plan (IDAMP)										
	Municipal Committee Jhang									
Form: IDAMP-A11.2		Ļ			te Dump lition Ass	ing Site sessment	Asset	Code: Date: 26-01-2023		
Name		Sa	argod	ha Ro	oad		Pictures			
Latitu	de		31.29							
Location Longit	tude		72.32							
Address		Sa	argod	ha Ro	oad					
Area (Acres)				5						
Distance from urba	n area		10	km						
Year the site star dumping service	ted for		20	)15				<u>s</u>		
Average waste d daily (based on infor	lumped mation	٢	Not Av	vailat	ole			-		
provided by MC) EHS SOPs for handlers	waste	٦	Not Av	vailat	ole			<b>治疗利用</b>		
Availability of PF waste collectors/h		Ye	S		No	-		1		
Expected Life (Year	rs)		1	10				in the		
Land Ownership			Priv	vate			and the second second	Tannan Barrens		
Site Accessibility			Fa	air						
Surface Type		Fla	at	De	epresse d					
Approach Road Co	ndition	Good	Fa	air	Poor		and the second second			
Parking Shed		Ye	S		No	Jhang, Punjab, Pakistan 78XG+MM5, Jhang, Punjab, Pakistan				
Boundary Wall		Ye	S		No					
Gate		Ye	-		No		Lat 31.299912° Long 72.326731°			
Ramps		Ye			No	Google	26/01/23 03:22 PM 0	MT +05:00		
Any Building at Site	9	Ye	-		No					
Weigh Bridge Earth	Cover	Ye Ye			No No					
Arrangements	<u> </u>					-				
Compaction Equip		Ye			No					
Plantation Around		Ye	S		No					
Any illegal occupa encroachments ob if yes, type		٦	Not Av	vailat	ole					
					Overall	Rating				
Average Score	1			2		3	4	5		
Asset Condition	Excel			Goo	d	Fair	Poor	Failing		
Category	A			B		C	D	E		
<u> </u>				Rem	arks / Re	quirements				
-	al of solic	l wastes	stes a s in re	nd d spect	ispose o t of envir	ff at plain area d onment and util	umping site i.e.5 a ization of land.MC			
Data Collected By: I	ıllah	Designation: Team I			n Member	Jul	Sh			
							Sign & Date: 15			

Data Checked By: Mr. M Fiaz	Designation: Team Lead	maypy
		Sign & Date: 15 May 2023

## B. Vehicles/ Machinery

Sr #	Name	Registration Number	Quantity	Age (Years)	Condition	Status	Book Value (PKR Mil)	Capacity
1	ISUZU-FTR	LEG-08-3689	1	19	Fair	Functional	3.6	4400 CC
2	Tractor-AGTL	JGG 1052	1	17	Fair	Functional	0.504	85 HP
3	Tractor-AGTL	JGG 1051	1	17	Fair	Functional	0.513	85 HP
4	Tractor-Millat	JGG 757	1	20	Fair	Functional	0.342	50 Hp
5	Tractor-Millat	JGG 754	1	20	Fair	Functional	0.351	75 HP
6	Tractor-Millat	JGJ-14-14	1	11	Good	Functional	0.63	75 HP
7	Tractor-Millat	JGJ-14-10	1	12	Good	Functional	0.657	75 HP
8	Tractor-Millat	JGJ-14-11	1	10	Good	Functional	0.675	75 HP
9	Tractor-Millat	JGJ-14-12	1	12	Good	Functional	0.657	75 HP
10	Tractor-Millat	JGJ-14-13	1	11	Good	Functional	0.63	75 HP
11	Tractor-Millat	JG 5659	1	43	Poor	Functional	0.09	50 Hp
12	Tractor-Millat	JGA 4768	1	34	Poor	Functional	0.18	50 Hp
13	Tractor-Millat	JGA 4765	1	34	Poor	Functional	0.18	50 Hp
14	Tractor-Millat	JGB 7108	1	25	Fair	Functional	0.225	75HP
15	Tractor-Millat	JGB 7148	1	30	Poor	Functional	0.198	50HP
16	Tractor-Millat	JG 5660	1	43	Poor	Functional	0.09	50HP
17	Hino	JGJ-14-40	1	9	Good	Functional	3.6	4009 CC
18	Tractor-Millat	Not Registered	1	17	Fair	Functional	0.513	75 HP
19	lsuzu	LEG-08-3703	1	15	Fair	Functional	3.15	4400 CC
20	Tractor-Millat	JGJ-17-41	1	6	Good	Functional	0.9	85 HP
21	Tractor-Millat	JGJ-17-42	1	6	Good	Functional	0.9	85 HP

		_		_			Book	
Sr #	Name	Registration Number	Quantity	Age (Years)	Condition	Status	Value (PKR Mil)	Capacity
22	Rickshaw-Road Prince	Rickshaw No.3	1	6	Good	Functional	0.063	150 CC
23	Rickshaw-Road Prince	Rickshaw No 10	1	6	Good	Functional	0.063	150 CC
24	Rickshaw-Road Prince	Rickshaw No.6	1	6	Good	Functional	0.063	150 CC
25	Rickshaw-Road Prince	Rickshaw No.5	1	6	Good	Functional	0.063	150 CC
26	Rickshaw-Road Prince	Rickshaw No.15	1	6	Good	Functional	0.063	150 CC
27	Rickshaw-Road Prince	Rickshaw No.14	1	6	Good	Functional	0.063	150 CC
28	Rickshaw-Road Prince	Rickshaw No.8	1	6	Good	Functional	0.063	150 CC
29	Rickshaw-Road Prince	Rickshaw No. 9	1	6	Good	Functional	0.063	150 CC
30	Rickshaw-Road Prince	Rickshaw No.4	1	6	Good	Functional	0.063	150 CC
31	Rickshaw-Road Prince	Rickshaw No.7	1	6	Good	Functional	0.063	150 CC
32	Rickshaw-Road Prince	Rickshaw No. 1	1	6	Good	Functional	0.063	150 CC
33	Rickshaw-Road Prince	Rickshaw No.12	1	6	Good	Functional	0.063	150 CC
34	Rickshaw-Road Prince	Rickshaw No.2	1	6	Good	Functional	0.063	150 CC
35	Rickshaw-Road Prince	Rickshaw No.11	1	6	Good	Functional	0.063	150 CC
36	Rickshaw-Road Prince	Rickshaw No.13	1	6	Good	Functional	0.063	150 CC
37	lsuzu-FTR	LEG 3705	1	16	Fair	Functional	3.87	4400CC
38	lsuzu-NPR	ISA 270	1	Not Available	Fair	Functional	1.08	4400CC
39	Isuzu-NPR	ISA 283	1	Not Available	Fair	Functional	1.08	4400CC
40	Isuzu-NPR	ISA 291	1	Not Available	Fair	Functional	1.08	4400CC
41	lsuzu-NPR	ISA 294	1	Not Available	Fair	Functional	1.08	4400CC
42	2.5-5 m3 containers (Total No. 150)	Not applicable	150	Not Available	Good	Functional	27	Not Available

Sr #	Name	Registration Number	Quantity	Age (Years)	Condition	Status	Book Value (PKR Mil)	Capacity
43	Mobile Workshop	Not applicable	1	1	Excellent	Functional	0.95418	Not Available
44	Hand Cart Waste Tipping Trolley	Not applicable	5	1	Excellent	Functional	0.06075	Not Available
45	Excavator	Not applicable	1	1	Excellent	Functional	29.7675	Not Available
46	Garbage container 0.8 (Cubic meter)	Not applicable	228	1	Excellent	Functional	0.06318	0.8 (Cubic meter)
47	Hand Cart Conventional	Not applicable	182	1	Excellent	Functional	0.02952	Not Available
48	Arm roll truck 5 (Cubic meter)	Not applicable	4	1	Excellent	Functional	6.66225	5 Cubic meter
49	Arm roll truck 10 (Cubic meter)	Not applicable	1	1	Excellent	Functional	12.6927	10 (Cubic meter)
50	Garbage Compactor 8 (Cubic meter)	Not Available	5	1	Excellent	Functional	8.424	8 (Cubic meter)
51	Mini Tipper 1 (Cubic meter)	Not Available	12	1	Excellent	Functional	1.49202	1 (Cubic meter)
52	Water Truck Spray system	Not Available	2	1	Excellent	Functional	7.614	1200 gallon
53	Dump Truck 10 (Cubic meter)	Not Available	1	1	Excellent	Functional	12.6927	10 (Cubic meter)
54	Tractor Model MF-385 4WD	Not Available	7	1	Excellent	Functional	2.00718	385 4WD
55	Mechanical Sweeper	Not Available	2	1	Excellent	Functional	1.73664	Not Available

Detail of SWM machinery Chassis and Registration purchased under PCP is attached as Annexure -J

Integrated Development And Asset Management Plan (IDAMP)										
Municipal Committee Jhang										
Form:		Moveable Ass	et		Asset Code:					
IDAMP-A16.1	·	Asset Condition Ass	essment		Date: 26-01-2023					
Type of Vehicle	/		Pictures							
Machinery										
Tractor										
		Tractor No. 1	Tractor No. 2		Tractor No. 3					
Capacity		85 Hp	85 Hp		50 Hp					
Purpose		SWM	SWM		SWM					
Year of Manufacturi	ng	2006	2006		2003					
Model		FIAT NH 640	FIAT NH 640		MF 240					
Capital Cost		Not Available	Not Available		Not Available					
Fuel Consum (lit/month)	ption	125	100		48					
Condition		Fair	Fair		Fair					
Engine Capacity		85 Hp	85 Hp		50 Hp					
Maintenance Cost		Not Available	Not Available		Not Available					
Oiling /Fitness		Yes	Yes		Yes					
Fitness Certificate		No	No		No					
Registered		JGG 1052	JGG 1051		JGG 757					
Overall Rating		Fair	Fair		Fair					
Remarks / Requirements     No remarks										
Data Collected By: M	Ir. Abdullc	ah Designation: Tean	Designation: Team Member		Sign & Date: 15 May 2023					
Data Checked By: Mr	r. M Fiaz	Designation: Tean	Designation: Team Lead		Maypy					
				Sign & Date: 15 May 2023						

Integrated Development And Asset Management Plan (IDAMP) Municipal Committee Jhang									
Form:			oveable Asset			Asset Code:			
IDAMP-A16.2		Asset Co	ondition Assessm	nent		Date: 26-01-2023			
Type of Vehicle /	'			Pictures					
Machinery			555 MB						
Tractor									
	Trac	or No.4	Tractor No. 5	Tractor No	0.6 Tractor No. 7	Tractor No. 8			
Capacity	7	75 Hp 75 Hp		75 Hp	75 Hp	75 Hp			
Purpose		WM	SWM	SWM	SWM	SWM			
Year of Manufacturi	ng 2	2003	2012	2011	2013	2011			
Model	M	F 375	MF 375	MF 375	MF 375	MF 375			
Capital Cost		Not Not vailable Available		Not Available	Not Available	Not Available			
Fuel Consumption		117	70	75	83	175			
Condition		Fair	Fair	Fair	Fair	Fair			
Engine Capacity	7	5 Hp	75 Hp	75 Hp	75 Hp	75 Hp			
Maintenance Cost		Not ailable	Not Available	Not Available	Not Available	Not Available			
Oiling /Fitness		Yes	Yes	Yes	Yes	Yes			
Fitness Certificate	Ī	No	No	No	No	No			
Registered	JG	G 754	JGJ-14-14	JGJ-14-10	) JGJ-14-11	JGJ-14-12			
<b>Overall Rating</b>		Fair	Fair	Fair	Fair	Fair			
Remarks / Requirements     No remarks									
Data Collected By: M	r. Abdullah	Desigi	nation: Team Me	ember	Juli Sign & Date: 15 May 2023				
Data Checked By: Mr	. M Fiaz	Desigi	nation: Team Lea	nd	Sign & Date: 15 May 2023				

Integrated Development And Asset Management Plan (IDAMP)									
Municipal Committee Jhang									
Form: IDAMP-A16.3			oveable Asset ondition Assessm	nent	Asset Code: Date: 26-01-2023				
Type of Vehicle / Machinery	,			Pictures					
Tractor									
	Tract	or No.9	Tractor No. 10	Tractor No.11	Tractor No. 12	Tractor No. 13			
Capacity	7	5 Hp	50 Hp	50 Hp	50 Hp	75 Hp			
Purpose			SWM	SWM	SWM	SWM			
Year of Manufacturi	ng 2	012	1980	1989	1989	1998			
Model		F 375	MF 240	MF 240	MF 240	MF 375			
Capital Cost		Not ailable	Not Available	Not Available	Not Available	Not Available			
Fuel Consumption		175	72	87	36	75			
Condition	1	air	Poor	Poor	Poor	Poor			
Engine Capacity	7	5 Hp	50 Hp	50 Hp	50 Hp	75 Hp			
Maintenance Cost		Not ailable	Not Not Die Available Availab		Not Available	Not Available			
Oiling /Fitness		Yes	Yes	Yes	Yes	Yes			
Fitness Certificate		No	No	No	No	No			
Registered		-14-13	JG 5659	JGA 4768	3 JGA 4765	JGB 7108			
Overall Rating		air	Poor	Poor	Poor	Poor			
		Re	emarks / Require	ements					
No remarks									
Data Collected By: M	Desigi	nation: Team Me	mber	Sign & Date: 15 May 2023					
Data Checked By: Mr	. M Fiaz	Desigi	nation: Team Lea	ıd	Sign & Date: 15 May 2023				

Integrated Development And Asset Management Plan (IDAMP)									
Municipal Committee Jhang									
Form:				able Asset	Asse	Asset Code:			
IDAMP-A16.4	IDAMP-A16.4			ion Assessment		Date: 26-01-2023			
Type of Vehicle /	/			Pict	ures				
Machinery			Pictures						
Tractor									
		Tract	or No.14	Tractor No. 15	Tractor No.16	Tractor No. 17			
Capacity		5	50 Hp	50 Hp	85 Hp	85 Hp			
Purpose		SWM		SWM	SWM	SWM			
Year of Manufacturi	ng	1993		1980	2017	2017			
Model		N	IF 240	MF 240	MF 385	MF 385			
Capital Cost	Capital Cost		Available	Not Available	Not Available	Not Available			
Fuel Consumption			126	72	50	127			
Condition			Poor	Poor	Good	Good			
Engine Capacity		5	50 Hp	50 Hp	85 Hp	85 Hp			
Maintenance Cost		Not	Available	Not Available	Not Available	Not Available			
Oiling /Fitness			Yes Yes		Yes	Yes			
Fitness Certificate			No	No	No	No			
Registered		JG	B 7148	JG 5660	JGJ-17-41	JGJ-17-42			
Overall Rating			Poor	Poor	Good	Good			
			Remai	ks / Requirements					
No remarks									
Data Collected By: Mr. Abdullah			Designation: Team Member		Julih Sign & Date: 15 May 2023				
Data Checked By: Mr. M Fiaz			Designation: Team Lead		Sign & Data: 15 Mar: 2022				
					Jigit & Dute. 1	Sign & Date: 15 May 2023			

	Integ	rated De	evelopm	ent And Asset N	lanagement	Plan	(IDAMP)		
			Mu	nicipal Committe	ee Jhang				
Former				avechie Accet			Accest Co	de.	
Form: IDAMP-A16.5				oveable Asset Indition Assessm	ent		Asset Co Da	te: 26-01-2023	
Type of Vehicle	/								
Machinery	<b>,</b>				Pictures	5			
Loader Ricksha	W		Rickshaw       Rickshaw       Rickshaw       Rickshaw       Rickshaw						
				Rickshaw		v	Rickshaw	Rickshaw	
			p.1	No.2	No.3		No.4	No.5	
Capacity			m <sup>3</sup>	1.5 m <sup>3</sup>	1.5 m <sup>3</sup>		1.5 m <sup>3</sup>	1.5 m <sup>3</sup>	
Purpose			/M	SWM	SWM		SWM	SWM	
Year of Manufacturi	ng		17	2017	2017		2017	2017	
Model			0-LD	RP150-LD	RP150-LD Not		RP150-LD	RP150-LD	
Capital Cost			ot lable	Not Available	Available		Not Available	Not Available	
Fuel Consum (lit/month)	ption		8	8	8		8	18	
Condition		Go	od	Good	Good		Good	Good	
Engine Capacity		150	) cc	150 cc	150 cc		150 cc	150 cc	
Maintenance Cost			ot lable	Not Available	Not Available	e	Not Available	Not Available	
Oiling /Fitness		Y	es	Yes	Yes		Yes	Yes	
Fitness Certificate			0	No	No		No	No	
Registered			shaw 5.3	Rickshaw No 10	Rickshaw 6	No	Rickshaw No 5	Rickshaw No 15	
Overall Rating		Go	od	Good	Good		Good	Good	
No remarks			Re	emarks / Require	ements				
Data Collected By: N	ullah	Designation: Team Member			Sign & Date: 15 May 2023				
Data Checked By: Mr. M Fiaz Designation: Team Lead						3			
Sign & Date: 15 May 2023							ay 2023		

	Integ	rated De	evelopm	ent And Asset N	lanagement	Plan	(IDAMP)	
				nicipal Committe				
Form			•	oveable Asset			Accet Co	do.
Form: IDAMP-A16.6				oveable Asset	nent		Asset Co Da	te: 26-01-2023
Type of Vehicle	/					_		
Machinery					Pictures	5		
Loader Ricksha	w		Rickshaw       Rickshaw       Rickshaw       Rickshaw       Rickshaw					
		Ricks	shaw	Rickshaw	Rickshav	N	Rickshaw	Rickshaw
			p.6	No.7	No.8		No.9	No.10
Capacity			m³	1.5 m <sup>3</sup>	1.5 m <sup>3</sup>		1.5 m <sup>3</sup>	1.5 m <sup>3</sup>
Purpose			/M	SWM	SWM		SWM	SWM
Year of Manufacturi	ng		17	2017	2017		2017	2017
Model			0-LD	RP150-LD	RP150-LD Not		RP150-LD	RP150-LD
Capital Cost			ot lable	Not Available	Available		Not Available	Not Available
Fuel Consum (lit/month)	ption		6	32	16		18	20
Condition		Go	od	Good	Good		Good	Good
Engine Capacity		150	) cc	150 cc	150 cc		150 cc	150 cc
Maintenance Cost			ot lable	Not Available	Not Available	e	Not Available	Not Available
Oiling /Fitness		Y	es	Yes	Yes		Yes	Yes
Fitness Certificate			0	No	No		No	No
Registered			aw No 4	Rickshaw No 8	Rickshaw 9	No	Rickshaw No 4	Rickshaw No 7
Overall Rating			od	Good	Good		Good	Good
<u> </u>				emarks / Require				
No remarks								
Data Collected By: N	1r. Abd	lullah	Desigr	nation: Team Me	mber	Sig	Jun & Date: 15 Ma	
Data Checked By: Mr. M Fiaz Designation: Team Lead						3-		
Sign & Date: 15 May 2023							ay 2023	

Integrated Development And Asset Management Plan (IDAMP)								
		Mu	nicipal Committe	ee Jhang				
Form: IDAMP-A16.7			oveable Asset ondition Assessm	nent		Asset Co Da	de: te: 26-01-2023	
Type of Vehicle / Machinery				Pictures	5			
Loader Rickshaw								
		shaw	Rickshaw	Rickshav	v	Rickshaw	Rickshaw	
		).11 · 3	No.12	No.13		No.14	No.15	
Capacity		5 m <sup>3</sup>	1.5 m <sup>3</sup>	1.5 m <sup>3</sup>		1.5 m <sup>3</sup>	1.5 m <sup>3</sup>	
Purpose	-	VM )17	SWM	SWM		SWM	SWM	
Year of Manufacturing Model		50-LD	2017 RP150-LD	2017 RP150-LD		2017 RP150-LD	2017 RP150-LD	
WOUEI		lot	Not	Not		Not	Not	
Capital Cost		ilable	Available	Available		Available	Available	
Fuel Consumption (lit/month)		11	10	20		7	13	
Condition	Go	bod	Good	Good		Good	Good	
Engine Capacity	15	0 cc	150 cc	150 cc		150 cc	150 cc	
Maintenance Cost		lot ilable	Not Available	Not Available	e	Not Available	Not Available	
Oiling /Fitness		es	Yes	Yes		Yes	Yes	
Fitness Certificate		10	No	No		No	No	
Registered	Ricksh	naw No	Rickshaw No	Rickshaw	No	Rickshaw No	Rickshaw No	
Overall Rating	6	1 ood	12 Good	2 Good		11 Good	13 Good	
	0		emarks / Require			9000	9000	
No remarks		-	<u> </u>					
Data Collected By: Mr. Ab	dullah	Designation: Team Member			Sign & Date: 15 May 2023			
Data Checked By: Mr. M Fiaz     Designation: Team Lead     Sign & Date: 15 May 2023       Sign & Date: 15 May 2023     Sign & Date: 15 May 2023						ý av 2023		

	Integ	rated De	evelopm	ent And Asset N	/lanagement	Plan (IDA	AMP)		
			Mu	nicipal Committ	ee Jhang				
Form: IDAMP-A16.8				oveable Asset ndition Assessn	nent		Asset Co Da	ode: ate: 26-01-2023	
Type of Vehicle Machinery	/				Pictures	25			
Truck	Jhang Sadar, Punjab, Pakistan 78H7+G93, Circular Rd, Madina Colony, Jhang Sadar, Jhang, Punjab, Pakistan Lat 31.278902° Long 72.313355° 27/01/23 08:48 AM GMT +05:00						GPS Map Camera		
			-	Truck No.2	Truck No	.3 Tr	uck No.4	Truck No.5	
Capacity		5 m <sup>3</sup>		5 m³	5 m <sup>3</sup>		5 m <sup>3</sup>	5 m <sup>3</sup>	
Purpose		Sewerage		SWM	Fire Fighti	ng Cra	ane Lifter	Fire Fighting	
Year of Manufacturi	ng	20	09	2004	2011		2014	2011	
Model		PKB	-211	FTR	ISUZU Tru	ck H	INO 300	ISUZU NPR	
Capital Cost			ot lable	Not Available	Not Available	e A	Not vailable	Not Available	
Fuel Consum (lit/month)	ption	69	94	267	146		344	139	
Condition		Fa	air	Fair	Good		Good	Good	
Engine Capacity		180	) HP	4400 cc	8226 cc	4	4009 cc	4334 cc	
Maintenance Cost			ot lable	Not Available	Not Available	e A	Not vailable	Not Available	
Oiling /Fitness		Y	es	Yes	Yes		Yes	Yes	
Fitness Certificate		N	lo	No	No		No	No	
Registered		JGJ-1	4-15	JGJ-12-51	JGJ-14-4	0 10	GJ-12-52	LEG-08-3703	
Overall Rating			air	Fair	Good		Good	Good	
			Re	marks / Requir	ements				
No remarks								14	
Data Collected By: N	ullah	Designation: Team Member			Julih Sign & Date: 15 May 2023				
Data Checked By: M	)Z	Desigr	Designation: Team Lead			white			
						sign & i	Date: 15 M	uy 2023	

	Integrated D	evelopm	ent And Asset N	lanagement	Plan (IDAMP)			
		Mur	nicipal Committe	ee Jhang				
Form: IDAMP-A16.9			oveable Asset ndition Assessm	lent	Asset Co	ode: ate: 26-01-2023		
Type of Vehicle	/	Assel Co	number Assessin	ient		ate. 20-01-2025		
Machinery				Pictures	S			
Truck	Circular Rd, Madina Colony, Jhang Sadar, b, Pakistan 02* 3355° 5:48 AM GMT +05:00							
	Truc	k No.6	Truck No.7	Truck No.	8 Truck No.9	Truck No.10		
Capacity		m <sup>3</sup>	5 m <sup>3</sup>	5 m <sup>3</sup>	5 m <sup>3</sup>	5 m <sup>3</sup>		
Purpose		NM	SWM	SWM	SWM	SWM		
	•		Not Not		Not	Not		
Year of Manufacturi	ng 2	007	Available	Available		Available		
Model	F	TR	NPR	NPR	NPR	NPR		
	٩	lot	Not	Not	Not	Not		
Capital Cost	Ava	ilable	Available	Available	e Available	Available		
Fuel Consump (lit/month)	otion 1	.44	600	460	125	490		
Condition	F	air	Fair	Fair	Fair	Fair		
Engine Capacity	44	00 cc	4400 cc	4400 cc	4400 cc	4400 cc		
Maintenance Cost	1	lot	Not	Not	Not	Not		
	Ava	ilable	Available	Available	e Available	Available		
Oiling /Fitness	١	/es	Yes	Yes	Yes	Yes		
Fitness Certificate		No	No	No	No	No		
Registered	LEG	3705	ISA 270	ISA 283	ISA 291	ISA 294		
Overall Rating	F	air	Fair	Fair	Fair	Fair		
• No remarks		Re	marks / Require	ements				
Data Collected By: M	r. Abdullah	Design	ation: Team Me	mber	July Sign & Date: 15 May 2023			
Data Checked By: Mr	. M Fiaz	Design	ation: Team Lea	d	white			
					Sign & Date: 15 May 2023			

## 4. Building

A. Offices

Sr #	Name	Age (Years)	Condition	Total	Book Value (PKR Mil)	Area
1	MC Office	Before Partition	Good	1	163.2	1.1
2	Library	Not Available	Good	1		0.36

	Integrated Development And Asset Management Plan (IDAMP)								
			Municipa	l Committee J	hang				
Form	:		Buil	ding	Asset Code:				
IDAMP-A	14.2	A	sset Conditio	n Assessment	Date: 26-01-2023				
Name			MC	Office	Pictures				
Location	Latitu	de	31.2	78858					
Location	Longi	tude	72.3	13140					
Address				Road, Jhang adar					
Year of Con	structio	on		Partition					
Land Area (				1.1					
No. of Stori				1					
Condition	-		Good F	air Poor					
Purpose				oal Affairs					
No. of Staff	:		-	vailable					
No. of Roor	ns			37					
Conference	/Meeti	ng Room	Yes	No					
Store Room		-	Yes	No	8				
Study Roon	n/Book	Shelf	Yes	No					
Boundary V	undary Wall		Yes	No					
Heating & C	Cooling	Arrangement	Yes	No					
Parking Lot	s		Yes	No					
Drinking W	g Water Facilities		Yes	No					
Availability	and qu	ality of water							
(based on a	vailabl	e water quality	Yes	No					
test reports	5)								
		erage System	Yes	No					
Separate W	/ashroo	m for Ladies	Yes	No					
Prayers Are	a/room	1	Yes	No					
Furniture			Yes	No					
Electric App			Yes	No					
Machinery		oment	Yes	No					
Sports Club			Yes	No					
	Staff Attendance System		Yes	No					
	Emergency Alarm System		Yes	No					
	Fire Fighting System / Equipment		Yes	No					
Ramps for gate	Ramps for wheel chairs at entry gate		Yes	No					
Security Gu	ard		Yes	No					
Park/lawn plantation		outdoor/indoor	Yes	No					

	Integrated Development And Asset Management Plan (IDAMP)									
		Municipal Con	nmittee Jhang							
Form: IDAMP-A14.2		Building Asset Condition Ass	sessment	Asset Code: Date: 26-01-2023						
		Overall								
Average Score	1	2	3	4	5					
Asset Condition	Excellent	Good	Fair	Poor	Failing					
Category	А	В	С	D	E					
	Remarks / Requirements									
No remarks										
Data Collected B	y: Mr. Abdullah	Sign & Date: 15								
Data Checked By	r: Mr. M Fiaz	Designation: Tea	m Lead	Sign & Date: 15	руу May 2023					

		Integrated De	velopmen	t An	d Asset Man	agement Plan (IDAMP)
			Munic	ipal	Committee .	lhang
Form	:			uildi	-	Asset Code:
IDAMP-A	14.1	А	sset Cond	ition	Assessment	Date: 26-01-2023
Name				Libr	ary	Pictures
Location	Latitu	de	3	1.29	9187	
Location	Longi	ude	7	2.32	3742	
Address			Nawa	az Sh	narif Park	
Year of Con	structio	n	Nc	ot Av	ailable	
Land Area	Acres)			0.3	36	
No. of Stori	ies			1	L	
Condition			Good	Fa	ir Poor	
Purpose			Library			
No. of Staff			2			
No. of Rooi	ns		3			
Conference	/Meeti	ng Room	Yes		No	
Store Room	า		Yes		No	
Study Roon	n/Book	Shelf	Yes		No	
Boundary V	Vall		Yes		No	Jhang, Punjab, Pakistan 78xF+8FV, Jhang Rd, Jhang, Punjab,
Heating & O	Cooling	Arrangement	Yes		No	Pakistan Lat 31.290187* Long 72.323742*
Parking Lot	S		Yes		No	20/01/23 03:22 PM GMT +05:00
Drinking W	ater Fac	ilities	Yes		No	
Availability and quality of water						
(based on available water quality		Yes		No		
test report	test reports)					
Washroom	Washrooms / Sewerage System		Yes		No	
Separate W	/ashroo	m for Ladies	Yes		No	

	Integrated Development And Asset Management Plan (IDAMP)									
	Municipal Committee Jhang									
Form:		Build	ing		Asset Code:					
IDAMP-A14.1	As	sset Condition	n Assessment			Date: 26-01-2023				
Prayers Area/room	1	Yes	No							
Furniture		Yes	No							
Electric Appliances	(Fans Etc.)	Yes	No							
Machinery & Equip	ment	Yes	No							
Sports Club		Yes	No							
Staff Attendance Sy	ystem	Yes	No							
Emergency Alarm S	System	Yes	No							
Fire Fighting Syster	n / Equipment	Yes	No							
Ramps for wheel	chairs at entry	Yes	No							
gate		res	NO							
Security Guard		Yes	No							
Park/lawn o	utdoor/indoor	Yes	No							
plantation		res	NO							
		Ove	erall Rating							
Average Score	1	2	з	8	4	5				
Asset Condition	Excellent	Good	Fa	nir	Poor	Failing				
Category	Α	В	(	2	D	E				
		Remarks	/ Requireme	ents						
<ul> <li>No remarks</li> </ul>										
Data Collected By: I	Designation: Team Member			fortsh						
Data Checked By: N	Designation: Team Lead			Sign & Date: 15 May 2023						
					Sign & Date: 15	iviay 2023				

## B. Residential Building

Sr #	Location	Condition	Total	Area
1	House RAD, J hang Road, J hang City	Fair	1	Not Available
2	House TMO, J hang Road, J hang City	Fair	1	Not Available
3	House Chief Officer near Siddhora School	Fair	1	Not Available
4	House MOF, Tanki no.1, Satellite Town, J hang	Fair	1	Not Available
5	House Sub-Engineer, Tanki no.1, Satellite Town, J hang	Fair	1	Not Available
6	House Tanki no.1, Satellite Town, J hang	Fair	1	Not Available
7	House Tanki no.1, Satellite Town, J hang	Fair	1	Not Available
8	House Tanki no.2, Satellite Town near Riaz Chowk LowIncome Scheme	Fair	1	Not Available
9	House Tanki no.2, Satellite Town Low Income Scheme	Fair	1	Not Available
10	House Near MC Jhang	Fair	1	Not Available
11	House Near MC Jhang	Fair	1	Not Available
12	House Near MC Jhang	Fair	1	Not Available
13	House Near MC Jhang	Fair	1	Not Available
14	House Near MC Jhang	Fair	1	Not Available
15	House Disposal Farooqabad	Fair	1	Not Available
16	House Disposal Harmalpur	Fair	1	Not Available

## C. Shops

Sr #	Location	Age (Years)	Condition	Total	Area sq_ft	Book Value
1	Bhabhrana Mahllah Jhang Saddar Circle (B)	2009	Good	2	15	3.234
2	Tonga Adda, Jhang City Circle (B)	2009	Good	2	20	3.234
3	Chowk Bazar, Jhang City Circle (B)	1986	Good	1	15	1.617
4	Bab-e-Omer Jhang City Circle (B)	2009	Good	2	16	3.234
5	Mall Road Near Islamia high school Circle (A)	2009	Good	1	16	1.617
6	Bab-e-Omer Jhang City Circle (B)	2011	Good	1	24	1.617
7	Mall Road Near Islamia high school Circle (A)	2009	Good	2	25	3.234
8	Qitaa Chameli Market Jhang Saddar Circle (A)	1925	Good	1	30	1.617
9	Bab-e-Omer Jhang City Circle (B)	2009	Good	2	35	3.234
10	Mall Road Near Islamia high school Circle (A)	2009	Good	1	36	1.617
11	Tehsil Road, Jhang saddar Circle (A)	1989-2011	Good	11	50	17.787
12	Mall Road Near Islamia high school Circle (A)	2009	Good	7	50	11.319
13	City Hospital, Jhang City Circle (B)	2005	Good	2	45	3.234
14	Toba Road Near Jatyana Qabrsten Circle (A)	2010	Good	1	40	2.057
15	Mall Road Near Islamia high school Circle (A)	2009	Good	11	55	22.627
16	MB High School, Jhang Sadar Circle (B)	2007	Good	3	60	6.171
17	Shaheed Road, Jhang Sadar Circle (B)	1998	Good	1	59	2.057
18	Chowk Bazar, Jhang City Circle (B)	2009	Good	16	70	36.432
19	Bhabhrana Mahllah Jhang Saddar Circle (B)	2009	Good	1	66	2.057

20	Mall Road Near Islamia high school Circle (A)	2009	Good	12	70	27.324
21	Saddar Chungi, Jhang Saddar Circle (A)	2005	Good	15	75	34.155
22	Talab Committee, Jhang Sadar Circle (B)	2010	Good	2	64	3.234
23	Tehsil Road, Jhang saddar Circle (A)	1989-2011	Good	44	64	100.188
24	Jameel Shaheed Park Jhang Saddar Circle (A)	1910	Good	1	70	2.497
25	Saddar Chungi, Jhang Saddar Circle (A)	2009	Good	14	95	34.958
26	Mall Road Near Islamia high school Circle (A)	2009	Good	4	90	9.988
27	Sabri Manzil, Jhang Sadar Circle (B)	2011	Good	2	98	4.994
28	General Bus Stand Jhang saddar Circle (B)	2007	Good	10	110	26.07
29	City Hospital, Jhang City Circle (B)	2005	Good	3	103	7.821
30	Bhabhrana Mahllah Jhang Saddar Circle (B)	2009	Good	1	100	2.607
31	Chungi Tobha Road Near Sugar Mill Circle (A)	1993	Good	1	100	2.607
32	Ganda Nala Chowk Jhang City Circle (B)	4	Good	2	118	5.214
33	Mall Road Near Islamia high school Circle (A)	2009	Good	5	110	13.035
34	Saddar Chungi, Jhang Saddar Circle (A)	1992	Good	5	120	13.035
35	MB High School, Jhang Sadar Circle (B)	1995	Good	8	135	22.088
36	Fawara Chowk, Jhang Sadar Circle (B)	1998	Good	4	124	11.044
37	Bhabhrana Mahllah Jhang Saddar Circle (B)	2009	Good	1	121	2.761
38	Canteen Nawaz Sharif Park Jhang City Circle (B)	2007	Good	1	144	2.761
39	General Bus Stand Jhang saddar Circle (B)	1925	Good	1	144	2.761

40	Jameel Shaheed Park Jhang Saddar Circle (A)	1910	Good	1	144	2.761
41	Sabri Manzil, Jhang Sadar Circle (B)	2011	Good	3	132	8.283
42	Saddar Chungi, Jhang Saddar Circle (A)	1981	Good	1	130	2.761
43	Talab Committee, Jhang Sadar Circle (B)	2011	Good	6	152	16.566
44	Saddar Chungi, Jhang Saddar Circle (A)	1995	Good	4	156	11.044
45	Saddar Chungi, Jhang Saddar Circle (A)	1995	Good	3	172	8.283
46	Shaheed Road, Jhang Sadar Circle (B)	2007	Good	3	165	8.283
47	Talab Committee, Jhang Sadar Circle (B)	2010	Good	15	160	41.415
48	General Bus Stand Jhang saddar Circle (B)	1996	Good	26	225	80.366
49	Bhabhrana Mahllah Jhang Saddar Circle (B)	2009	Good	1	256	3.091
50	General Bus Stand Jhang saddar Circle (B)	1909	Good	2	277.62	6.182
51	General Bus Stand Jhang saddar Circle (B)	1909	Good	1	242	3.091
52	General Bus Stand Jhang saddar Circle (B)	1986, 1993, 1997	Good	22	5440	711.48
53	General Bus Stand Jhang saddar Circle (B)	1999	Good	21	2720	339.57
54	Bhabhrana Mahllah Jhang Saddar Circle (B)	2009	Good	1	625	3.641

					Ir	ntegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form IDAM							Ass	Shop et Condition Ass	sessment				Asset Cod Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
1	22046	Tehsil Road Jhang Sadar	31.27313616	72.3169348 2	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Anwar Iqbal	clothes shop
2	12008	Adjacent islamia School Jhang	31.27159161	72.3172756 2	80	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Saleem Ud Din	welding shop
3	15004	Mohallah Bhabrahan Jhang	31.27748167	72.3063066 7	570	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Tahir	animal feed
4	14048	General Bus Stand Near Adhiwal Chowk Jhang City	31.28899667	72.3215733 3	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	shike abuzer	atuo shop
5	14082	General Bus Stand Jhang saddar	31.29141833	72.3214566 7	2720	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haider Abbas	atuo work shop
6	14081	General Buss Stand Jhang	31.29128167	72.3220883 3	2720	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	atif sehzad	auto work shop
7	14024	Inside General Bus Stand Sarghodha Road	31.28915833	72.32228	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sh. Zafar Iqbal	Auto Workshop
8	14023	Inside General Bus Stand Sarghodha Road	31.28923167	72.3220266 7	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sh. Zafar Iqbal	Auto Workshop

					lr	ntegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form IDAM							Ass	Shop et Condition As	sessment				Asset Cod Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
9	14025	Inside General Bus Stand Sarghodha Road	31.289525	72.3223583 3	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sh. Akram	Auto Workshop
10	14027	Inside General Bus Stand Sarghodha Road	31.28969167	72.3224716 7	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	baber aslam	Auto Workshop
11	14026	Inside General Bus Stand Sarghodha Road	31.28968	72.3224883 3	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Baber aslam	Auto Workshop
12	14020	Inside General Bus Stand Sarghodha Road	31.28983	72.322595	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	shike aftab	Auto Workshop
13	14019	Inside General Bus Stand Sarghodha Road	31.28988	72.322705	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	sheikh aftab	Auto Workshop
14	14030	Inside General Bus Stand Sarghodha Road	31.29002167	72.3229783 3	4080	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	muhamma d inaam	Auto Workshop

					Ir	ntegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form IDAM							Ass	Shop et Condition Ass	sessment				Asset Code Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
15	14031	Inside General Bus Stand Sarghodha Road	31.29014167	72.3229366 7	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	New Khan Transport	Auto Workshop
16	14015	General Bus Stand Sarghodha Road	31.290365	72.322885	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Syed Ijaz Hussain	Auto Workshop
17	14033	Inside General Bus Stand Sarghodha Road	31.29038667	72.3229583 3	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Syed Amjad Taqihah	Auto Workshop
18	14060	Inside General Bus Stand Sarghodha Road	31.2907	72.3231766 7	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	ismaeel khan	Auto Workshop
19	14061	Inside General Bus Stand Sarghodha Road	31.29078833	72.32331	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Baloch Transport	Auto Workshop
20	14034	Inside General Bus Stand Sarghodha Road	31.29107167	72.3234416 7	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Zahid	Auto Workshop

					lr	ntegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form IDAM							Ass	Shop et Condition As	sessment				Asset Code Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
21	14028	Inside General Bus Stand Sarghodha Road	31.29114	72.3235	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	lman Niwaz	Auto Workshop
22	14039	Inside General Bus Stand Sarghodha Road	31.29116833	72.3232933 3	2720	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Yaseen	Auto Workshop
23	14040	Inside General Bus Stand Sarghodha Road	31.29100167	72.3232083 3	2720	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	shike akram	Auto Workshop
24	14036	Inside General Bus Stand Sarghodha Road	31.29112333	72.3229366 7	2720	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	shike akram	Auto Workshop
25	14021	Inside General Bus Stand Sarghodha Road	31.29064667	72.3223466 7	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Ashrafhahe en	Auto Workshop
26	14042	Inside General Bus Stand Sarghodha Road	31.29114167	72.3226866 7	2720	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	sarwer bashir	Auto Workshop

					lr	ntegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form IDAM							Ass	Shop et Condition As	sessment				Asset Code Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
27	14043	Inside General Bus Stand Sarghodha Road	31.29116833	72.3225	2720	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Asghar	Auto Workshop
28	14044	Inside General Bus Stand Sarghodha Road	31.29120833	72.322365	2720	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	sabir ali	Auto Workshop
29	14045	Inside General Bus Stand Sarghodha Road	31.29120833	72.3221233 3	2720	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Riaz ud din & Zaheer ud din	Auto Workshop
30	14046	Inside General Bus Stand Sarghodha Road	31.291305	72.321795	2720	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Mubashirh ahzad	Auto Workshop
31	14038	Inside General Bus Stand Sarghodha Road	31.29144333	72.32128	2720	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haji Tariqhfaat	Auto Workshop
32	14037	Inside General Bus Stand Sarghodha Road	31.29147667	72.3211783 3	2720	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ghulam Mujtaba	Auto Workshop

					In	ntegrated De	evelopment and Ass	et Management	: Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form IDAM							Ass	Shop et Condition Ass	sessment				Asset Cod Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
33	19007	Head Octroi Post Jhang	31.27169445	72.3175863 2	92	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Mazhar Abbas	Autos Shop
34	19008	Head Octroi Post Jhang	31.2717005	72.3176398 1	92	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Mazher Abbas	Autos Shop
35	19022	Head Octroi Post Jhang	31.27170167	72.317715	92	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Zafar Iqbal	Autos Shop
36	14075	General Bus Stand Near Adhiwal Chowk Jhang City	31.28902167	72.3209633 3	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Khawer	Autos Shop
37	14050	General Bus Stand Near Adhiwal Chowk Jhang City	31.28901	72.3214	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamam d Muaz	Autos Shop
38	14029	Inside General Bus Stand Sarghodha Road	31.290025	72.3226533 3	1360	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Yaqoob	Autos Shop
39	14078	Inside General Bus Stand Sarghodha Road	31.29109667	72.3233016 7	2720	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Ashraf	Autos Shop
40	17001	Sabri Manzil Circular Road Jhang Sadar	31.2772	72.314735	216	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ghulam Sarwar	Autos Shop fancy parts

					lr	itegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form IDAM							Ass	Shop et Condition Ass	sessment				Asset Cod Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
41	22032	Tehsil Road Jhang Sadar	31.27353935	72.3167444 1	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Asghar	baan shop
42	22049	Tehsil Road Jhang Sadar	31.27328799	72.3168555 8	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muneer Ahmad	baancharpai shop
43	22043	Tehsil Road Jhang Sadar	31.27332741	72.3168400 6	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M.shafi	bag faroosh
44	23001	Toba Tek Singh Road Jhang Sadar	31.27051833	72.3176283 3	64	2	Commercial	Owned/ Managed	Partial	No	Rented/ Leased	Good	Muhamma d Hussain	Bans Shop
45	22051	Tehsil Road Jhang Sadar	31.27342167	72.3168033 3	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Tahir	bar Dana shop
46	14058	General Bus Stand Near Adhiwal Chowk Jhang City	31.28901167	72.3209416 7	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	hassan ijaz	Barbar Shop
47	14052	General Bus Stand Near Adhiwal Chowk Jhang City	31.28898333	72.32121	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	baber	Barbar Shop
48	14051	General Bus Stand Near Adhiwal Chowk Jhang City	31.28901	72.3212783 3	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ahsanullah	Barbar Shop

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SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
49	12038	Adjacent islamia School Jhang	31.27191601	72.3171886 7	90	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Hashmat Ullah	Barbara shop
50	21015	Near TMA Office	31.27842248	72.3135359 5	165	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Adnan Aslam	Barber Shop
51	Jhang     3     Managed       Adjacent     Image: Content of the second seco											Good	M. Hafeez	Barber Shop
52	12005	Adjacent islamia School Jhang	31.27210333	72.3171266 7	80	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Fiyaz	Barber Shop
53	22034	Tehsil Road Jhang Sadar	31.27358833	72.3166683 3	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Zulafqar Ali	Barber shop
54	14062	Inside General Bus Stand Sarghodha Road	31.28905333	72.3208733 3	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	hassan ijaz	barber shop
55	12002	Adjacent islamia School Jhang	31.27218545	72.3170922 7	70	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Hafeez	Barber shop
56	22015	Tehsil Road Jhang Sadar	31.27306746	72.3168946 1	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Intsaar Ahmad	Barton store
57	22029	Tehsil Road Jhang Sadar	31.27358949	72.3163329 4	66	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Rizwan abbas	bedsheet shop
58	14083	General Bus Stand Jhang saddar	31.2915	72.32142	2720	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Ansar	betry shop

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SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
59	14080	General Bus Stand Near Adhiwal Chowk Jhang City	31.291315	72.3217116 7	2720	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	ansar ali	Bettery shop
60	14055	General Bus Stand Near Adhiwal Chowk Jhang City	31.28898833	72.321075	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	haji irshad	bettry shop
61	19020	Head Octroi Post Jhang	31.27157167	72.3172133 3	98	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Usman Haider	Book Depot
62	708700 4	City Hospital Jhnag City	31.30476167	72.322005	40	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Iqbal	Book Depot
63	19027	Head Octroi Post Jhang	31.272115	72.31752	156	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abubakar Amin	Book shop
64	19032	Head Octroi Post Jhang	31.27185	72.3173183 3	75	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ameer Hamza	Book shop
65	19001	Saddar Chungi Jhnag	31.27179869	72.3171877 2	98	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Hafiz irfan	book shop
66	12042	Adjacent islamia School Jhang	31.27170053	72.3172491 4	63	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Asif	book shop
67	19033	Head Octroi Post Jhang	31.27191167	72.3174116 7	75	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Hamza	Book shop godown
68	11001	jameel park canteen	31.27427333	72.3227833 3	144	2	Commercial	Owned/ Managed	Full	No	Rented/ Leased	Good	Hassan Raza Amir	canteen

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SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
69	15001	Mohallah Bhabrana Jhang Sadar	31.27757667	72.306585	564	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Perveez Akhtar	Chamrha Karkhana
70	22016	Tehsil Road Jhang Sadar	31.27317457	72.3168896 9	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Maqbool	chicken faroosh
71	402	Chowk Bazar Jhang City	Rented/ Leased	Good	Abdul Aziz	chicken shop								
72	12039	Adjacent islamia School Jhang	31.27186167	72.3172616 7	56	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Liaqat Ali	clay utensils shop
73	12043	Adjacent islamia School Jhang	31.27165691	72.3172599 2	63	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Maalik	clay utensils shop
74	22047	Tehsil Road Jhang Sadar	31.27312333	72.3169	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ghafoor	clay utensils shop
75	22019	Tehsil Road Jhang Sadar	31.27335	72.31679	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Arif	cloth house
76	22039	Tehsil Road Jhang Sadar	31.27373333	72.3163166 7	66	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Rizwan Abbas	cloth house
77	20002	Shaheed Road Sadr Jhang	31.27610833	72.3150683 3	164	1	Commercial	Owned/ Managed	No	Yes	Rented/ Leased	Good	Saleem Akhtar	Cloth Shop
78	20003	Shaheed Road Sadr Jhang	31.27617667	72.31514	164	1	Commercial	Owned/ Managed	No	Yes	Rented/ Leased	Good	Saleem Akhatar	Cloth Shop
79	22007	Tehsil Road Jhang Sadar	31.27290333	72.3170083 3	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Sadiaq	cloth shop

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Form IDAM	: P-A17						Ass	Shop et Condition As	sessment				Asset Code Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
80	22008	Tehsil Road Jhang Sadar	31.27294569	72.3169327 3	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d arif	Cloth Shop
81	22030	Tehsil Road Jhang Sadar	31.27348	72.31675	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Bisharat Ali	Cloth Shop
82	22031	Tehsil Road Jhang Sadar	31.27350333	72.316975	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Bisharat Ali	Cloth Shop
83	22044	Tehsil Road Jhang Sadar	31.2736	72.3167133 3	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Umer Usman	cloth shop
84	22052	Tehsil Road Jhang Sadar	31.27357219	72.3166448 9	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Asif Iqbal	Cloth Shop
85	22023	Tehsil Road Jhang Sadar	31.27358706	72.3166182 2	50	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Asif Iqbal	Cloth Shop
86	22036	Tehsil Road Jhang Sadar	31.27366	72.31655	50	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	shahid Iqbal	cloth shop
87	22024	Tehsil Road Jhang Sadar	31.27358962	72.3166121 5	50	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Riaz	Cloth Shop
88	22021	Tehsil Road Jhang Sadar	31.27363333	72.3165283 3	50	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Kashif Iqbal	Cloth Shop
89	22053	Tehsil Road Jhang Sadar	31.27358704	72.3164925 7	50	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d waqar	Cloth Shop
90	22020	Tehsil Road Jhang Sadar	31.27394	72.3165416 7	50	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	kashif iqbal	Cloth Shop
91	22037	Tehsil Road Jhang Sadar	31.27362391	72.3164864 4	50	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Waqar	Cloth Shop

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92	22002	Tehsil Road Jhang Sadar	31.27363667	72.3164383 3	50	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	waqar hussain	Cloth shop
93	Jhang Sadar     7     Managed       Tabril Poad     72 2164244     Owned/									Rented/ Leased	Good	Zahid Ahmad	cloth shop	
94	22027	Tehsil Road Jhang Sadar	31.27362432	72.3164244 7	50	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Makhmoor Ahmad	Cloth Shop
95	22025	Tehsil Road Jhang Sadar	31.2736	72.3163683 3	66	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	ljaz Ahmad	cloth shop
96	22028	Tehsil Road Jhang Sadar	31.27358819	72.3163238 5	66	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Makhmoor Ahmad	Cloth Shop
97	22038	Tehsil Road Jhang Sadar	31.27366833	72.31635	66	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Naeem	cloth stitching shop
98	22014	Tehsil Road Jhang Sadar	31.27302773	72.3168894 9	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Razaq	clothe center
99	22045	Tehsil Road Jhang Sadar	31.27311653	72.3169220 7	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Abbas	clothes shop
100	19016	Head Octroi Post Jhang	31.27207	72.31722	180	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Younas	Coal shop
101	13002	Near Rail Bazar Chowk Jhang Sadar	31.27664333	72.3148083 3	135	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Ijaz	Cold Corner
102	708700 2	Near TMA Office	31.3048	72.3217083 3	103	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	imran	Cold Corner

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103	13011	Near Rail Bazar Chowk Jhang Sadar	31.27701667	72.314615	135	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Amjad	Cold Drink Corner
104	14049	General Bus Stand Near Adhiwal Chowk Jhang City	31.28899667	72.32149	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	wajid ali	cold drink cornor shop
105	708700 3	Near TMA Office	31.30480167	72.3216883 3	45	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	imran	cold Drink shop
106	1001	Baba Umar Gate Jhang City	31.30579667	72.32777	24	2	Commercial	Owned/ Managed	Full	No	Rented/ Leased	Good	habib	cold Drink shop
107	14064	General Bus Stand Near Adhiwal Chowk Jhang City	31.28926833	72.3215533 3	110	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d waseem	cold Drink shop
108	22011	Tehsil Road Jhang Sadar	31.27297667	72.317005	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Fahad Razzaq	Crockery
109	22012	Tehsil Road Jhang Sadar	31.272975	72.3170483 3	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Faisal Razaq	Crockery
110	4008	Chowk Bazar Jhang City	31.30501667	72.324575	72	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d ahsan	crockery shop
111	4015	Chowk Bazar Jhang City	31.30517667	72.3245916 7	72	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d ahsan	crockery shop

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112	12016	Adjacent islamia School Jhang	31.27141177	72.3171916 6	56	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Khalid Mehmood	cusmatics shop
113	12014	Adjacent islamia School Jhang	31.27147045	72.3173256 9	54	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Khalid Mehmood	cusmatics shop
114	13010	Near Rail Bazar Chowk Jhang Sadar	31.27686333	72.3146983 3	135	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Akbar Ali	cycle spare parts
115	18001	Near Sabzi Mandi	31.28376167	72.3142866 7	121	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	hamayu	Cycle Store
116	21003	Near MC Office	31.27832053	72.3137999 5	152	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Dawood Zeeshan Ahmad	Dream Builder
117	14057	General Bus Stand Near Adhiwal Chowk Jhang City	31.28901333	72.3209266 7	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d imran	dry cleaning shop
118	14054	General Bus Stand Near Adhiwal Chowk Jhang City	31.28901333	72.3211233 3	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	saeed khan	dry fruit shop
119	14073	General Bus Stand Near Adhiwal Chowk Jhang City	31.289215	72.3208133 3	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Munir Ahmadhahi d	Dryfroit shop

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120	17004	Sabri Manzil Circular Road Jhang Sadar	31.27702667	72.314615	132	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Sohail	Electric reapiring shop
121	13009	Near Rail Bazar Chowk Jhang Sadar	Rented/ Leased	Good	M. Majid	Electric Store								
122Near Rail Bazar Chowk Jhang Sadar31.2769216772.3147833 31351CommercialOwned/ ManagedNoNoRented/ LeasedNear Rail													M. Tanveer	Electric Store
123	13006	Near Rail Bazar Chowk Jhang Sadar	31.27687	72.314875	135	1	Commercial	Owned/ Managed	No	Yes	Rented/ Leased	Good	M. Naeem	Electric Store
124	13003	Near Rail Bazar Chowk Jhang Sadar	31.27674667	72.315005	135	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Ijaz	Electric Store
125	708700 1	Near TMA Office	31.30491	72.32177	103	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haq Niwaz	Empty
126	4010	Chowk Bazar Jhang City	31.30519667	72.32467	72	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Arshad	Empty
127	4012	Chowk Bazar Jhang City	31.30518667	72.3246633 3	72	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Arshad	Empty
128		General Bus Stand Near Adhiwal Chowk Jhang City	31.28899	72.3212433 3	225	1	Owned/ Managed	No	No	Rented/ Leased	Good	in auction	empty	
129		General Bus Stand Near Adhiwal	31.288975	72.3213633 3	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	in auction	empty

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		Chowk Jhang City												
130		General Bus Stand Near Adhiwal Chowk Jhang City	31.28900833	72.3215733 3	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	in auction	empty
131		General Bus Stand Near Adhiwal Chowk Jhang City	31.28899	72.321565	110	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	in auction	empty
132		General Bus Stand Near Adhiwal Chowk Jhang City	31.28899667	72.321615	110	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	in auction	empty
133		General Bus Stand Near Adhiwal Chowk Jhang City	31.289245	72.3216883 3	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	in auction	empty
134		Inside General Bus Stand Sarghodha Road	31.28943333	72.3216716 7	99	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	in auction	empty
135	14067	General Bus Stand Near Adhiwal	31.289425	72.3217133 3	110	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	in auction	empty

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		Chowk Jhang City												
136	10002	Gerneral Bus Stand jhang	31.289355	72.32173	242	2	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	in auction	empty
137		Inside General Bus Stand Sarghodha Road	31.29052833	72.323055	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	in auction	empty
138	14084	Inside General Bus Stand Sarghodha Road	31.29046833	72.3222416 7	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	in auction	empty
139		Toba Road Near Sugar Mill	31.22788	72.333345	100	2	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	in auction	empty
140	208700 1	Basti Abdullahpur Jhang City	31.28011667	72.309375	121	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Humayeo	empty
141	2006	Mohallah Bhabrana Jhang Sadar	31.277615	72.30652	1360	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	ali raza	empty
142	19043	Head Octroi Post Jhang	31.27188333	72.3174633 3	156	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muzaffar Ali	Falooda Shop
143	19044	Head Octroi Post Jhang	31.27195333	72.3174783 3	72	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muzaffar Ali	Falooda shop

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SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
144	12020	Adjacent islamia School Jhang	31.27159667	72.3173116 7	80	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Bilal Haider	Fine Lock Master
145	22054	Tehsil Road Jhang Sadar	31.27364333	72.3162766 7	66	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Umer Ramzan	Flower decoration shop
146	22003	Tehsil Road Jhang Sadar	31.27364167	72.3162733 3	66	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Umir Ramzan	Flowers decoration shop
147	22013	Tehsil Road Jhang Sadar	31.27301333	72.3169092 4	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Parveez	food point
148	13001	Near Rail Bazar Chowk Jhang Sadar	31.27661667	72.3148333 3	135	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Muzafar ud Din	Food point
149	21002	Near TMA Office	31.27821215	72.3137770 5	165	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Adnan Aslam	Fridge Reparing Shop
150	42	Adjacent islamia School Jhang	31.27126333	72.3173166 7	16	2	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Rasheed	Fruit Shop
151	4016	Chowk Bazar Jhang City	31.30516167	72.324485	72	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	zahid ali	Fruit Shop
152	1004	Baba Umar Gate Jhang City	31.30578833	72.3278266 7	16	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Khalid	Fruit Shop
153	1005	Baba Umar Gate Jhang City	31.305805	72.32783	16	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Zahid	Fruit Shop

					lr	itegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form							Ass	Shop et Condition Ass	sessment				Asset Cod Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
154	41	Adjacent islamia School Jhang	31.27124299	72.3173794 4	96	2	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Imran	fruits shop
155	20004	Shaheed Road Sadr Jhang	31.27615	72.3149466 7	59	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Asghar	Garments
156	20001	Shaheed Road Sadr Jhang	31.27626333	72.3151266 7	164	1	Commercial	Owned/ Managed	No	Yes	Rented/ Leased	Good	M. Ayoub	Garments
157	8003	Shaheed Road Jhang	31.27414667	72.3167316 7	124	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M.Afzal	Garments
158	9001	Ganda Nala Chowk Jhang City	31.30280833	72.3284866 7	118	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Haneef	Gas Agency
159	14017	General Bus Stand Near Adhiwal Chowk Jhang City	31.28907333	72.3214016 7	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ali Raza	Gas Agency
160	14018	General Bus Stand Near Adhiwal Chowk Jhang City	31.28917833	72.3224283 3	568	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	sheikh ali raza	gass shop
161	12017	Adjacent islamia School Jhang	31.27177334	72.3172314 7	120	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Ishaq	General Store
162	12012	Adjacent islamia School Jhang	31.27167	72.3172616 7	50	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Asif	General Store

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							Municipal Com	mittee Jhang						
Form IDAMI							Ass	Shop et Condition As	sessment				Asset Code Date	e: : 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
163	12032	Adjacent islamia School Jhang	31.27143	72.3172883 3	50	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Farooq	General Store
164	12021	Adjacent islamia School Jhang	31.271425	No	Rented/ Leased	Good	Abdul Raoof	General Store						
165	22033	Tehsil Road Jhang Sadar	31.27358667	72.3167266 7	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d ishaq	General store
166	19017	Head Octroi Post Jhang	31.271875	72.3171533 3	1088	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d ilyas	General store
167	12009	Adjacent islamia School Jhang	31.27138426	72.3173233 5	63	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Rafiq	general store
168	21009	Near TMA Office	31.27817724	72.3137765 5	165	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Rafique	Generator Repiaring Shop
169	19029	Head Octroi Post Jhang	31.27196	72.3174216 7	156	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Hassan ljaz	Glassware
170	19042	Head Octroi Post Jhang	31.27204559	72.3173633 3	88	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Amjad Mahmood	Glassware
171	15002	Moh Bhabhrahna Jhang	31.27733333	72.30657	380	2	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Tanveer Ahmad	goat skin factory
172	17002	Sabri Manzil Circular Road Jhang Sadar	31.277015	72.31468	132	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Amjad Rahman	Godown
173	19038	Head Octroi Post Jhang	31.27192413	72.3172966 2	130	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Akhtar Saleem	Godown

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							Municipal Com	mittee Jhang						
Form IDAM	: P-A17						Ass	Shop et Condition As	sessment				Asset Code Date	e: :: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
174	19035	Head Octroi Post Jhang	31.27180167	72.3174616 7	72	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	ljaz Ahmad	Godown
175	19034	Head Octroi Post Jhang	31.27192103	72.3173739 9	105	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Khan	Godown
176	19039	Head Octroi Post Jhang	31.27198	72.317275	80	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shoqat Ali	Godown
177	12031	Adjacent islamia School Jhang	31.27153	72.3174733 3	54	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Khadim Hussain	Hookah shop
178	24001	Tanga Adda Jhang City	31.30206667	72.32324	40	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haider Abbas	Hotel
179	14068	General Bus Stand Near Adhiwal Chowk Jhang City	31.28927	72.321595	110	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Zahid	Hotel
180	14071	General Bus Stand Near Adhiwal Chowk Jhang City	31.288975	72.3217016 7	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	anwer mehmood	hotle
181	14077	General Bus Stand Near Adhiwal Chowk Jhang City	31.28925833	72.3216216 7	110	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	zahid	hotle
182	5002	Qita Chamli Market	31.27736833	72.31187	48	2	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	ljaz Ahmad	hotle

					Ir	ntegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form IDAM							Ass	Shop et Condition As	sessment				Asset Code Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
183	12013	Adjacent islamia School Jhang	31.271625	72.317275	105	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Arshad	Iron Shop
184	22050	Tehsil Road Jhang Sadar	31.27342333	72.3168433 3	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Tahir	iron shop
185	22001	tasil road	31.27338	72.3167883 3	48	2	Non Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Taiyab	iron store
186	12010	Adjacent islamia School Jhang	31.27126185	72.3174009 1	45	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Usman	jusice shop
187	9002	Ganda Nala Chowk Jhang City	31.30279	72.3284283 3	118	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Aziz	kabariya shop
188	19005	Head Octroi Post Jhang	31.27167667	72.3172216 7	98	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sajjad Hussain	Karyana Shop
189	19024	Head Octroi Post Jhang	31.27165167	72.3171666 7	80	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Inam Ul Haq	Karyana Shop
190	19006	Head Octroi Post Jhang	31.27169823	72.3171618 1	98	2	Commercial	Owned/ Managed	Full	No	Rented/ Leased	Good	inaamul haq sidique	Karyana Shop
191	19012	Head Octroi Post Jhang	31.27164167	72.3171183 3	80	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Ishfaq	Karyana Shop
192	19041	Head Octroi Post Jhang	31.271575	72.3171716 7	98	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Tehseen Akhtar	Karyana Shop
193	12019	Adjacent islamia School Jhang	31.271415	72.31731	63	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Allah Rakha	Karyana Shop

Integrated Development and Asset Management Plan (IDAMP)																	
Municipal Committee Jhang																	
Form: IDAMP-A17						Shop Asset Condition Assessment								Asset Code: Date: 26-01-2023			
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business			
194	19019	Head Octroi Post Jhang	31.27164729	72.3172375	98	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d ishfaq	karyana store			
195	12041	Adjacent islamia School Jhang	31.27169502	72.3172642 2	90	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Zafar Alishah	karyana store			
196	12034	Adjacent islamia School Jhang	31.27132794	72.3172995 3	90	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Shoquat	karyana store			
197	21001	Talab Commitee jhang	31.27807882	72.3139355 1	153	2	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Ishtiaq	kharadia shop			
198	14079	Inside General Bus Stand Sarghodha Road	31.29134333	72.321615	2720	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Akber Shahzad	Khradia			
199	2004	Mohallah Bhabrana Jhang Sadar	31.27756	72.30676	372	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Maqsood Ilahi	lader factory			
200	15003	Mohallah Bhabhrah Jhang	31.27941	72.3134133 3	3256	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Maqsood Ilahi	lader marchent			
201	12006	Adjacent islamia School Jhang	31.27202499	72.3171824	110	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Baber maqsood	Madical store			
202	12007	Adjacent islamia School Jhang	31.27202797	72.3171701 9	60	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Zahid Maqsood	madical store			

Integrated Development and Asset Management Plan (IDAMP)															
Municipal Committee Jhang															
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: Date: 26-01-2023			
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business	
203	400	Chowk Bazar Jhang City	31.30514667	72.3247666 7	15	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Manzoor Hussain	Meat Shop	
204	43	Chowk Bazar Jhang City	31.30506167	72.3246783 3	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ghulam Abbas	Meat Shop	
205	4006	Chowk Bazar Jhang City	31.30510667	72.32462	72	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Imdad Hussain	Meat Shop	
206	4007	Chowk Bazar Jhang City	31.30506167	72.324595	72	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shahbaz Hussain	Meat Shop	
207	4018	Chowk Bazar Jhang City	31.30520167	72.3246566 7	72	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Niwaz	Meat Shop	
208	1002	Baba Umar Gate Jhang City	31.30580667	72.3277566 7	32	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	dawood	Meat Shop	
209	1003	Baba Umar Gate Jhang City	31.30582833	72.32778	35	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	yaqoob	Meat Shop	
210	19018	Head Octroi Post Jhang	31.27191874	72.3172001 8	75	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Naseem	medical store	
211	12018	Adjacent islamia School Jhang	31.27180833	72.3173483 3	63	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Zahoor Ilahi	Medical Store	
212	19037	Head Octroi Post Jhang	31.27189333	72.3173483 3	72	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Younas	Medicine Godown	
213	12029	Adjacent islamia School Jhang	31.27134333	72.3172866 7	56	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Mudassar Usman	Milk shop	

					In	ntegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form IDAMI							Ass	Shop et Condition As	sessment				Asset Cod Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
214	4009	Chowk Bazar Jhang City	31.30508167	72.3247666 7	72	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Manzoor Hussain	Mirch Masala Shop
215	14076	General Bus Stand Near Adhiwal Chowk Jhang City	31.28904167	72.3219883 3	314	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ali Raza	miror shop wheekals
216	14014	General Bus Stand	31.28901833	72.3211116 7	229	2	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ali Raza	mobile shop
217	21010	Near TMA Office	31.27860667	72.313355	165	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Anees	Motor Bike Repair Shop
218	17006	Sabri Manzil Circular Road Jhang Sadar	31.27711167	72.31456	216	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ghulam Rasool	Motor cycle spares parts
218	19009	Head Octroi Post Jhang	31.27174833	72.3176866 7	92	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shakeel Amjad	Motorcycle Showroom
219	19010	Head Octroi Post Jhang	31.27167715	72.3176467	92	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Warisajid	Motorcycle Showroom
220		Near TMA Office	31.27853167	72.313355	165	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Amir Waseem	Municipal Dispensary
221		Near TMA Office	31.27855333	72.3132766 7	165	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Amir Waseem	Municipal Dispensary
222	17005	Sabri Manzil Circular Road Jhang Sadar	31.27702833	72.3146383 3	132	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	in litigation	null

					Ir	itegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
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Form IDAM							Ass	Shop et Condition As	sessment				Asset Code Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
223	17003	Sabri Manzil Circular Road Jhang Sadar	31.27694833	72.3146466 7	404	1	Commercial	Owned/ Managed	No	Yes	Rented/ Leased	Good	in litigation	null
224	13007	Near Rail Bazar Chowk Jhang Sadar	31.27672333	72.3145933 3	135	1	Commercial	Owned/ Managed	No	Yes	Rented/ Leased	Good	In litigation	null
225	13005	Near Rail Bazar Chowk Jhang Sadar	31.27671167	72.3147333 3	135	1	Commercial	Owned/ Managed	No	Yes	Rented/ Leased	Good	In litigation	null
226	13004	Near Rail Bazar Chowk Jhang Sadar	31.27666667	72.3148	135	1	Commercial	Owned/ Managed	No	Yes	Rented/ Leased	Good	in litigation	null
227	19028	Head Octroi Post Jhang	31.27196333	72.3173933 3	156	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Akhtar Saleem	Oil Agency
228	19021	Head Octroi Post Jhang	31.27168167	72.3176783 3	92	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shahid Abbas	Oil Agency
229	19025	Head Octroi Post Jhang	31.27185385	72.3176025 2	80	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Nazar Hussain Khan	Oil Agency
230	19026	Head Octroi Post Jhang	31.271855	72.317585	80	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Nazar Hussain Khan	Oil Agency
231	19011	Head Octroi Post Jhang	31.271845	72.317565	120	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Tahir Abbas	Oil agency
232	14070	General Bus Stand Near Adhiwal Chowk Jhang City	31.28902833	72.321825	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	irfan	oil shop

					Ir	itegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
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SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
233	14069	General Bus Stand Near Adhiwal Chowk Jhang City	31.28900333	72.3218216 7	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Irfan	Oil Shop
234	14066	General Bus Stand Near Adhiwal Chowk Jhang City	31.28917167	72.321755	110	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	irfan	Oil Shop
235	21011	Near TMA Office	31.27854833	72.3133416 7	165	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Basit	Paint Shop
236	21014	Near TMA Office	31.27841185	72.3134495 8	165	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Basit	Paint Shop
237	21007	Near TMA Office	31.27826898	72.3137661 9	152	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Ayoub	Paint Shop
238	21008	Near TMA Office	31.27824209	72.3137908	152	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Ayoub	Paint Shop
239	21005	Near TMA Office	31.27816086	72.3138041 2	152	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Barkaat Ali	Paint Shop
240	21006	Near TMA Office	31.27815167	72.3139183 3	152	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Barkaat Ali	Paint Shop
241	12011	Adjacent islamia School Jhang	31.27209551	72.3173904 4	63	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sajjad Hussain	perfume shop

					ir	ntegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form IDAMI							Ass	Shop et Condition As	sessment				Asset Code Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
242	8004	Shaheed Road Jhang	31.27418667	72.3168266 7	132	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Nadeem Muhamma d Ahmad	Pharmacy
243	19031	Head Octroi Post Jhang	31.27190731	72.3172302 5	75	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Naseem	Pharmacy
244	708700 5	Near TMA Office	31.30494833	72.32177	103	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haq Niwaz	Pharmacy
245	19023	Head Octroi Post Jhang	31.27173095	72.3177443 1	120	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sajjad Ali	Photostate Shop
246	19015	Head Octroi Post Jhang	31.27180428	72.3175211 2	120	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Ehsan Ul Haq	Photostate Shop
247	19014	Head Octroi Post Jhang	31.271915	72.3175366 7	120	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Ehsan Ul Haq	Photostate Shop
248	22035	Tehsil Road Jhang Sadar	31.27354933	72.3166247 6	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Syed Zahoor Ahmad Shah	Photostate Shop
249	22022	Tehsil Road Jhang Sadar	31.27346107	72.3168019 4	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Riaz	plastic toyle
250	14065	General Bus Stand Near Adhiwal Chowk Jhang City	31.28922	72.321725	110	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	yousaf	poshish shop
251	21012	Near TMA Office	31.27849333	72.3135366 7	165	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shahbaz Hussain	Roshan Builder and Designer

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							Municipal Com	mittee Jhang						
Form IDAMI							Ass	Shop et Condition Ass	sessment				Asset Cod Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
252	19030	Head Octroi Post Jhang	31.2720071	72.3172088 4	1088	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Younas	Saintry Shop
253	22042	Tehsil Road Jhang Sadar	31.27333888	72.3168705 9	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Usman	sang tarash
254	22017	Tehsil Road Jhang Sadar	31.27304167	72.3169033 3	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Ashraf	Sang tarash
255	22048	Tehsil Road Jhang Sadar	31.273235	72.3168416 7	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Ghafoor	sang tarash and clay utensil shop
256	22018	Tehsil Road Jhang Sadar	31.27336167	72.3169066 7	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Nadeem	sang tarash shop
257	10001	General Bus Stand Near Adhiwal Chowk Jhang City	31.29100333	72.3233966 7	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Ghaffar	scrape
258	14022	Inside General Bus Stand Sarghodha Road	31.2916	72.3209966 7	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Ameen	Scrape
259	19013	Head Octroi Post Jhang	31.27169349	72.3172527 9	80	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sajid Hussain	Seed Corporation
260	14035	Inside General Bus Stand Sarghodha Road	31.29052	72.3230183 3	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Naseer	Service Station

					lr	ntegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form IDAM							Ass	Shop et Condition As	sessment				Asset Cod Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
261	14041	Inside General Bus Stand Sarghodha Road	31.29115333	72.322755	2720	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	sarwer basheer	Service Station
262	26222004Tehsil Road Jhang Sadar31.2728698972.317113641CommercialOwned/ ManagedNoNoRente Lease											Good	M. Din	Shoe Shop
263	2204	Tehsil Road Jhang Sadar	31.27312833	72.3168683 3	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Anwar Iqbal	shoes center
264	22040	Tehsil Road Jhang Sadar	31.27328	72.3168266 7	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ibraar Ali	shoes center
265	8001	Shaheed Road Jhang	31.27413667	72.31676	124	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Maqsood Illahi	Shoes Shop
266	8002	Shaheed Road Jhang	31.27404833	72.31682	124	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Akram	Shoes Shop
267	22009	Tehsil Road Jhang Sadar	31.27298	72.3169966 7	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Qasim Arshad	shoes shop
268	22041	Tehsil Road Jhang Sadar	31.273355	72.31693	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul wahab	Shoes Shop
269	12003	Adjacent islamia School Jhang	31.27217667	72.3172333 3	60	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Saeed	shopping bag shop
270	12004	Adjacent islamia School Jhang	31.2721399	72.3171841 9	99	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Rehman	shopping bag shop

					Ir	tegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form IDAM	: P-A17						Ass	Shop et Condition As	sessment				Asset Cod Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
271	12040	Adjacent islamia School Jhang	31.27177833	72.31725	36	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Iqbal	Shopping bag shop
272	21004	Near TMA Office	31.27810889	72.3138868 5	152	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shahid Hussain	shuger cane use shop
273	15005	Mohallah Bhabrana	31.27755667	72.306475	680	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d tahir	snoker game
274	14063	General Bus Stand Near Adhiwal Chowk Jhang City	31.29046333	72.3214883 3	224	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ghulam Mujtaba	Spare Parts
275	14074	General Bus Stand Near Adhiwal Chowk Jhang City	31.28899333	72.32102	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Akhatar	Spare Parts
276	14053	General Bus Stand Near Adhiwal Chowk Jhang City	31.28895333	72.3216616 7	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Waqas Ajmal	Spare Parts
277	14072	General Bus Stand Near Adhiwal Chowk Jhang City	31.28898833	72.3217083 3	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Zahid Arif	Spare Parts
278	14059	General Bus Stand Near	31.28906667	72.3219733 3	110	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Allah Ditta	Spare Parts

					Ir	ntegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form IDAMI							Ass	Shop et Condition As	sessment				Asset Cod Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
		Adhiwal Chowk Jhang City												
279	4001	Chowk Bazar Jhang	31.30515667	72.3247566 7	72	2	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Akbar Ali	spices shop
280	19004	Head Octroi Post Jhang	31.27178099	72.3171569 9	98	Owned/ Managed	No	No	Rented/ Leased	Good	Aslam hasmi	Sports Shop		
281	22005	Tehsil Road Jhang Sadar	31.27288333	72.3171433 3	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M.saleem	steel bartan shop
282	22010	Tehsil Road Jhang Sadar	31.272965	72.3170066 7	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Faizan Razzaq	steel bartan shop
283	22006	Tehsil Road Jhang Sadar	31.27290997	72.3169620 5	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d saleem	steel Barton shop
284	4014	Chowk Bazar Jhang City	31.30518167	72.324615	72	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	atif	stor
285	4013	Chowk Bazar Jhang City	31.30518167	72.3246083 3	72	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	irfan saif	store
286	12033	Adjacent islamia School Jhang	31.271305	72.3174283 3	50	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Razaqat Ali	Sweet bakers
287	19040	Head Octroi Post Jhang	31.27155292	72.3172523 3	80	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Manzer Usman	sweet shop
288	12035	Adjacent islamia School Jhang	31.27127333	72.317405	56	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Mubashir Usman	Sweet Shop

					Ir	itegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form IDAM							Ass	Shop et Condition As	sessment				Asset Code Date	e: : 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
289	11003	Jameel Shaheed Park Jhang Saddar	31.274235	72.322835	110	1	Commercial	Owned/ Managed	Full	No	Rented/ Leased	Good	Amir Raza	Swings
290	14047	General Bus Stand Near Adhiwal Chowk Jhang City	31.28899	72.3212133 3	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	shike sahid	tea shop
291	21013	Near TMA Office	31.27842056	72.3134447 3	165	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Ayyub	Tea stall
292	12036	Adjacent islamia School Jhang	31.27126	72.317405	45	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Rahman	Tea stall
293	12024	Adjacent islamia School Jhang	31.27156333	72.3173083 3	44	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sajjad Ahmad	tobacco godown
294	12022	Adjacent islamia School Jhang	31.27191833	72.317285	100	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Jamshed Iqbal	Tobacco Shop
295	12026	Adjacent islamia School Jhang	31.27182851	72.3172520 4	25	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Tifail	Tobacco Shop
296	12023	Adjacent islamia School Jhang	31.27181889	72.3172314 9	544	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Yaqoob	tobacco shop
297	12037	Adjacent islamia School Jhang	31.27173167	72.317285	25	2	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Asif	Tobacco Shop

					Ir	itegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form IDAMI							Ass	Shop et Condition As	sessment				Asset Code Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
298	12025	Adjacent islamia School Jhang	31.27158119	72.3172814 6	54	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sajjad ahmad	tobacco shop
299	Post Jhang 3 A Managed Leased												M. Aslam	Toy Shop
300	0     19002     Head Octroi Post Jhang     31.271825     72.3172416 7     98     1     Commercial     Owned/ Managed     No     No     Rented/ Leased													Toys Shop
301	19036	Head Octroi Post Jhang	31.27190167	72.31749	72	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Zahid Mubashar	Type Shop
302	12027	Adjacent islamia School Jhang	31.271995	72.3171683 3	70	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ghulam Dastegir	Type Shop
303	12028	Adjacent islamia School Jhang	31.27199671	72.3171579 4	70	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Zahid Rafiq	tyre shop
304		Nawaz Shareef Park Jhang City	31.30165167	72.32342	144	2	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	In Auction	Vacant
305		Canteen General Bus stand	31.28985833	72.3210666 7	816	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	In Auction	Vacant
306	4004	Chowk Bazar Jhang City	31.30507667	72.3246916 7	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Murtaza	Vegetable Shop
307	4005	Chowk Bazar Jhang City	31.305105	72.3246433 3	72	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M. Nasir	Vegetable Shop
308	4017	Chowk Bazar Jhang City	31.305085	72.3245733 3	88	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Fiaz hussain	vegetable shop

					h	ntegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form IDAM							Ass	Shop et Condition As	sessment				Asset Cod Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
309	12030	Adjacent islamia School Jhang	31.27154764	72.3172475 7	52	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Nasir khan	waan shop
310	12015	Adjacent islamia School Jhang	31.27151667	72.3173083 3	54	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Javeed Iqbal	Waan Shop
311	14056	General Bus Stand Near Adhiwal Chowk Jhang City	31.28904833	72.3209566 7	225	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shafqat Niwaz	waiting area shop
312	5001	Chungi Gojra Road	31.26551333	72.3274533 3	100	2	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamma d Abdullaha	welding shop
313	14032	Inside General Bus Stand Sarghodha Road	31.29014167	72.3229616 7	5440	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	M & H Company	work shop
314	22046	Tehsil Road Jhang Sadar	31.27313616	72.3169348 2	64	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Anwar Iqbal	clothes shop
Avera	age Score		1			2			3			4		5
	Asset ndition		Excellent			Goo	d		Fair		Р	oor	Fa	ailing
Ca	tegory		Α			В			С			D		E

					l	ntegrated De	evelopment and Ass	et Managemen	t Plan (IDAMP)					
							Municipal Com	mittee Jhang						
Form	i: P-A17						Ass	Shop et Condition As	sessment				Asset Cod Date	e: e: 26-01-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachme nt Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
		Data Collectea	l By: Mr. Abdullal	h			Designo	ation: Team Mei	nber		J	Jul Sh		
		Data Checked	d By: Mr. M Fiaz				Desig	nation: Team Lé	ead		M	Buffing	: 15 May 2023 : 15 May 2023	

### 5. Public Places

#### A. Slaughterhouse

Sr #	Name	Age (Years)	Condition	Area (Acres)	Book Value (PKR Mil)
1	Chaman Pura (Loohlay Shah Road)	Not Available	Poor	0.43	89.61
2	Jhang City Slaughter House	Not Available	Poor	0.19	824
3	Harmal Pura (Mohalla Bagh Wala)	Not Available	Poor	0.25	57.68

Integrated Development And Asset Management Plan (IDAMP)								
Municipal Committee Jhang								
Form:			Slaughte	rhouse	Asset Code:			
IDAMP-A1	15.1		Asset Condition	n Assessment	Date: 26-01-2023			
Name			Chama	an Pura	Pictures			
Location Latitude		31.29	98844					
Location	Long	itude	72.3	2126				
Address				hah Road, ang				
Year of Con	structi	ion						
Total Area			3 kanal	9 marla				
Ownership			MC	Ihang				
Slaughter	Larg	ger Animals	30-35					
Capacity (Per Day)	Sma	aller Animals	55	-60	-			
Supervisor			Yes	No				
Doctor's Ro	om		Yes	No				
Inhabitatio	n Facili	ity	Yes	No				
Slaughterin	g Hall		Yes	No	El offa Hag canuns Jhang Sadar, Punjab, Pakistan			
Evisceration	n Hall		Yes	No	Landhing Should Bd, Jhang Shokin, Jhang, Purjab, Paksish Lang 2-2065-000 Long 2-2065-000			
Meat Cuttin	ng Roo	m	Yes	No	Section - section			
Blood Colle	ction A	Arrangements	Yes	No				
Skin Storag	e Roor	n	Yes	No				
Tools Disinf	ectant	System	Yes	No				
Health and	Hygie	ne SOPs	Yes	No				
Refrigeratio	on / St	orage System	Yes	No				

Integrated Development And Asset Management Plan (IDAMP)							
		Mun	icipal C	ommittee J	hang		
Form:			ighterh			Asset	Code:
IDAMP-A15.1		Asset Con	dition A	Assessment	1		Date: 26-01-2023
Separate Facility	for Sick Animals	Yes		No			
Water Supply Sy	stem	Yes		No			
Drainage & Disp	osal Facility	Yes		No			
Solid Waste Coll	ection Facility	Yes		No			
Boundary Wall 8	& Gate	Yes		No			
Approach Road	Condition	Good	Fair	Poor			
Civil Structure Co	ondition	Good	Fair	Poor			
			Over	all Rating			
Average Score	1		2	3		4	5
Asset Condition	Excellent	Go	ood	Fa	air	Poor	Failing
Category	Α	B C		2	D	E	
		Rer	marks /	Requireme	ents		
No remarks							
Data Collected B	y: Mr. Abdullah	Designation: Team Member			er	Sign & Date: 15	
Data Checked By	Designation: Team Lead				Sign & Date: 15	by	

		Integrated Dev			Asset Mana mmittee Jl		Plan (IDAMP)		
Form:			Slaughterhouse				Asset Code:		
IDAMP-A1	5.2	Ass			sessment		Date: 26-01-2023		
Name			Jhar	ng City Sl			Pictures	;	
Latitude				Hous 31.2991					
Location									
Longitude			No	72.3210 ar Nawa:					
Address				k, Jhang					
Year of Con	structio	on		.,					
Total Area			1	kanal 10	marla				
Ownership				MC Jha	ng				
Slaughter	Larg	er Animals		15-20	-				
Capacity	-				-				
(Per Day)	Sma	ller Animals		30-35	5				
Supervisor			Yes	5	No				
Doctor's Ro			Yes	5	No				
Inhabitation	n Facilit	t <b>y</b>	Yes	5	No	× ·			
Slaughtering	g Hall		Ye	s	No				
Evisceration	Hall		Yes		No	-			
Meat Cuttin	g Roor	n	Yes	5	No	155			
Blood Collec	ction A	rrangements	Yes	5	No	-	Ibaas Du	njab, Pakistan	
Skin Storage	e Room		Yes		No		78XC+935, 34 Pakistan Lat 31.298844	- Jhang, Punjab,	
<b>Tools Disinf</b>	ectant	System	Yes		No	Goog	Long 72.32120		
Health and I	Hygien	e SOPs	Yes		No				
Refrigeratio	n / Sto	rage System	Yes	5	No				
Separate Fa	cility fo	or Sick Animals	Yes	5	No				
Water Supp	ly Syst	em	Yes	5	No				
Drainage &	Dispos	al Facility	Ye	5	No				
Solid Waste	Collec	tion Facility	Ye	5	No				
Boundary W	/all & C	Gate	Ye	s	No				
Approach R	oad Co	ndition	Goo d	Fair	Poor				
Civil Structu	re Con	dition	Goo d	Fair	Poor				
				Overa	ll Rating				
Average So	core	1		2	3	}	4	5	
Asset Cond	ition	Excellent	G	ood	Fa	ir	Poor	Failing	
Categor	'Y	А		В	C	:	D	E	
			Rer	marks / I	Requireme	nts			
No rem	arks								
Data Collected By: Mr. Abdullah			Designation: Team Memb			ber Julih			
							Sign & Date: 15 May 2023		

	Integrated Development And Asset Management Plan (IDAMP)							
Municipal Committee Jhang								
Form:	_	Slaughterhouse	Asset Code:					
IDAMP-A15.2	As	set Condition Assessment	Date: 26-01-2023					
Data Checked By: Mr. M Fiaz		Designation: Team Lead	wanter					
			Sign & Date: 15 May 2023					

Integrated Development And Asset Management Plan (IDAMP)									
	Municipal Committee Jhang								
Form:				Slaughterhouse			Asset Code:		
IDAMP-A15	.3	- A	Asset Cond					Date: 26-01-2023	
Name			H	armal Pu	ra		Pictures		
Location –	Latitu		3	1.26357	6				
	Longi	tude		72.30278					
Address			Moha	illa Bagh Jhang	Wala,				
Year of Const	tructi	on							
Total Area				02 kanal					
Ownership				MC Jhan	3				
Slaughter Capacity	Larg	er Animals		15-20					
(Per Day)	Sma	ller Animals		25-30					
Supervisor			Yes		No				
Doctor's Roo	m		Yes		No	-	~ 1		
Inhabitation	Facili	ty	Yes		No				
Slaughtering	Hall		Yes		No				
Evisceration	Hall		Yes		No				
Meat Cutting	; Roor	n	Yes		No	1			
Blood Collect	tion A	rrangements	Yes		No				
Skin Storage	Room	ı	Yes		No	Jhang, Punjab, Pakistan Dinang, Punjab, Pakistan Dinang Melalia Ragh Waits, diang Punj Receiptor			
<b>Tools Disinfe</b>	ctant	System	Yes		No	Lorg 72/295744* Google 26/31/23 06/28 PM 04/T +06/30		WT+86100	
Health and H	ygien	e SOPs	Yes		No	No			
Refrigeration	/ Sto	orage System	Yes		No	No			
Separate Faci	ility fo	or Sick Animals	Yes		No				
Water Supply	y Syst	em	Yes		No				
Drainage & D	ispos	al Facility	Yes		No				
Solid Waste G	Collec	tion Facility	Yes		No				
Boundary Wall & Gate			Yes		No				
Approach Ro	ondition	Good	d <b>Fair</b> Poo						
Civil Structure Condition			Good Fair		Poor				
				Overal	l Rating				
Average Sc	ore	1	2		3	}	4	5	
Asset Condi	ition	Excellent	Go	od	Fa	ir	Poor	Failing	
Category	y	А	B	5	C	2	D	Е	

	Integrated D	evelopment And Asset Manageme	nt Plan (IDAMP)					
	Municipal Committee Jhang							
Form:		Asset Code:						
IDAMP-A15.3		Asset Condition Assessment Remarks / Requirements	Date: 26-01-2023					
No remarks								
Data Collected By: Mr. Abdullah		Designation: Team Member	fortsh					
			Sign & Date: 15 May 2023					
Data Checked By: Mr. M Fiaz		Designation: Team Lead	w pyphy					
			Sign & Date: 15 May 2023					

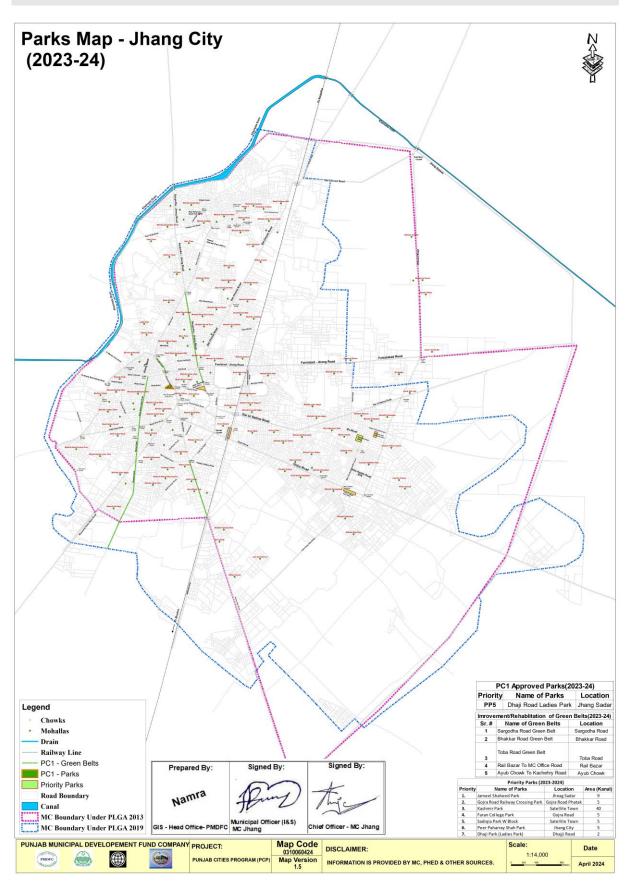
#### B. Bus Stand

Sr #	Name	Age (Years)	Condition	Area (Acres)	Book Value (PKR Mil)
1	General Bus Stand, Sargodha Road	12	Fair	13.38	2106.56

		Integrate		ent And Asse nicipal Comm	t Management I ittee Jhang	Plan (IDAMP)
Form				Bus Stand ondition Asse	-	Asset Code: Date: 26-01-2023
IDAMP-A12 Name			1	Stand	ssment	Pictures
Name				89292		Fictures
Location	Latitude					
	Longituc	le	-	20806		
Address			-	Road, Jhang dar		
Year of Cons	struction		Not Av	vailable		
Last Major F	Renovatio	n	Not Av	vailable		
Area (Acres)			13	.375		
Ownership			Ν	ЛС		
Class			A B	<b>C</b> D		
Status			Active	Idle		
Designed	Buses		Not A	vailable		
Capacity of	Coaste	rs	Not A	vailable		
Vehicles	Wagon	s	Not Av	vailable		
Daily parking of	Buses		20	-50	~	
vehicles (based on	Coaste	rs	2	20		
informatio	Wagon	s	30	-50	THE	
n provided by MC)	Ricksha			50		
Distance fro	1			in City		GPS Map Camera
Security	At Entr	у	Yes	No		Jhang Sadar, Punjab, Pakistan Lari Adda, 78QC+J7H, Sargodha Rd, Jhang
	At Exit		Yes	No		Sadar, Jhang, Punjab, Pakistan Lat 31.289313°
Security	At Entr	y	Yes	No	Google	Long 72.320822° 26/01/23 02:50 PM GMT +05:00
Cameras	At Exit		Yes	No	and a constant of the set dest	
Gate	At Entr	y	Yes	No		
2	At Exit		Yes	No		
Waiting	Men		Yes	No		
Area	Familie	S	Yes	No		
Machroom	Male		Yes	No		
Washroom	Female		Yes	No		
Prayer	Male		Yes	No		
Room	Female		Yes	No		
Administrat	ion Office	2	Yes	No		

		Integrate	ed De	evelopm	ent And A	sse	t Management	Plan (IDAMP)		
				Mu	nicipal Co	mm	ittee Jhang			
Form:					Bus Star	nd		Asset Code:		
IDAMP-A	12				ondition A	sse	ssment		Date: 26-01-2023	
Parking	Ricks	haw		Yes	No					
Stand	Cars			Yes	No					
Fuel Outlets				Yes	No					
Reception Des				Yes	No					
Ticketing Syst	em			Yes	No					
Tuck Shop				Yes	No					
Ablution Area				Yes	No					
Pedestrian				Yes	No					
Green Spaces				Yes	No					
Water Drinkin	-	-		Yes	No					
Water Dispos	al Arran	gement		Yes	No					
Boarding Shee	ł			Yes No						
Workshops				Yes						
Lighting				Yes	No					
Boundary Wa				Yes	No					
-	Туре			1	iff Pavers					
Pavement	Conditi	on	Go	od F	air Po					
				-	Overa	l Ra				
Average Scor	e	1			2		3	4	5	
Asset Condition	on	Excellent		G	ood		Fair	Poor	Failing	
Category		Α			В		С	D	E	
				Re	emarks / R	lequ	lirements			
No remar	ks			r				T		
Data Collected By: Mr. Abdullah			h	Designation: Team Member			Лember	July Sign & Date: 15 May 2023		
Data Checked By: Mr. M Fiaz				Designation: Team Lead			ead	Marthur		
								Sign & Date: 15 I	viay 2023	

C. Parks



Sr #	Name	Age (Years)	Condition	Area (Acres)	Book Value (PKR Mil)
1	Nawaz Sharif Park	Not Available	Good	7.5	760
2	Jamil Shaheed Park	Not Available	Good	3.75	700
3	Dhajji Park	Rehab in current year	Excellent	0.2	14
4	Tibba Registan	99	Good	3	2307
5	Kashmir Park	42	Good	3.375	789
6	Wajahat Shaheed Ground	99	Good	6	5766
7	Riaz Chowk Park	99	Good	3.75	180
8	Green Belt	99	Good	0.25	238

Integrated Development And Asset Management Plan (IDAMP) Municipal Committee Jhang								
Form: IDAMP-A			Asset	Pa Conditio	rk n Assessm	Asset Code: ent Date: 26-01-2023		
Name			Nav	vaz Sharif	park	Pictures		
	Latituc	le		31.29958	3			
Location	Longitude			72.32263	3			
Area In Acre	S			7.5				
possession by any othe	Ownership-Owned by MC or possession allocated to MC by any other department (documents available)		MC					
Turfing Cond	dition		Good	Fair	Poor			
Approach Ro	oad		Good	Fair	Poor	T		
Parking Lots			Yes	Yes No				
Canteen Ava	ailability	/	Yes No		No			
Average nu visitors (based on th MC staff)	ne asses	sment of	N	ot Availat	ble			
	Any illegal occupants or encroachments observed-if yes, type			ot Availat	ble	DP3 Map Camere Jhang, Punjab, Pakistan 78XC+VW7 Nawaz sharif park, Jhang, Punjab, Pakistan Lat 31.299583° Long 72.322633°		
Security syst	tem		Yes		No	Google 26/01/23 03:20 PM GMT +05:00		
	١	Natering &	& Irrigation					
	Tube Well			Yes				
Water Suppl	y from l	Municipal	System	Yes	No			
	Water Tank			Yes Yes	No No			
Pumping Un Distribution		ies		Yes	No			

	Integrated Develo	pment	And Asset M	anagement Plan (IDAMP)
			al Committe	
				-
Form:		Р	ark	Asset Code:
IDAMP-A10.1	Asset	Conditi	on Assessm	ent Date: 26-01-2023
Valves		Yes	No	
Sprinkler System		Yes	No	
Ground water stora	ge reservoirs/ponds	Yes	No	
La	ndscaping & Plantati	on		
Grass Beds		Yes	No	
Flower Beds		Yes	No	
Hedges		Yes	No	
Plants		Yes	No	
Number of trees an	d species			
(based on readily a	vailable information	Not	Available	
at MC)				
	Lights			
Total Number		Not	Available	
Poles		Yes	No	
Cables		Yes	No	
Brackets And Lights		Yes	No	
Bulbs And Tubes		Yes	No	
Control Units		Yes	No	
	Structures			
	Gents		3	
No. of Toilets	Ladies		3	
	Gents		Poor	
Condition of Toilets	Ladies		Poor	
Buildings		Yes	No	
Fountains & Water	Fall Structure	Yes	No	
Walkways		Yes	No	
Jogging tracks		Yes	No	
Ramps at entry gate	es for wheel chairs	Yes	No	
Bridges & Culverts		Yes	No	
Play Area		Yes	No	
Gazebos		Yes	No	
Benches/ sitting arr	angements	Yes	No	
Boundary Wall & Ga		Yes	No	
Toilets		Yes	No	
Lakes & Brooks		Yes	No	
	Aechanical Equipmen			
Pumping Units		Yes	No	
Swings		Yes	No	
Children Games		Yes	No	
Fixtures		Yes	No	
Benches		Yes	No	
	nitation & Water Sup		110	
Litter Bins	intation & water sup	Yes	No	
Condition of SWM		Goo		
		d	Fair Poor	
Toilet Fixtures		Yes	No	
Sewerage System		Yes	No	
Vegetation Cuttings	& Disposal	Yes	No	
			110	

Integrated Development And Asset Management Plan (IDAMP)								
		ſ	Municipal	Cor	nmitte	ee Jhang		
Form:			Par	••			Asset	Code:
IDAMP-A10.1		Asset	Condition	n As	sessm	ent		Date: 26-01-2023
	vailability and qu bility of water qu		Not Av	/aila	ble			
Water Pipes			Yes		No			
· · ·	HR							
Security Guards			Yes		No			
Landscape Expert	S		Yes		No			
Mali/Beldaar (Number) Yes No								
			Ove	erall	Ratin	g		
Average Score	1		2			3	4	5
Asset Condition	Excellent		Good			Fair	Poor	Failing
Category	Α		В			С	D	E
			Remarks	/ R	equire	ements		
<ul> <li>Play Areas, Li</li> </ul>	ghts and water co	olers	are requir	red.			1	
Data Collected By	Desi	Designation: Team Member		Sign & Date: 15 N				
Data Checked By: Mr. M Fiaz Desi			gnation: 1	Tear	n Leac	1	Sign & Date: 15 N	1ay 2023

	Integrated Development And Asset Management Plan (IDAMP) Municipal Committee Jhang							
				wunicipa	Committe	ee Jnang		
Form IDAMP-A	-		٨	Pai t Conditio	••	t	Asset Co	de: te: 26-01-2023
IDAIVIP-A	10.2		Asse	Conditio	n Assessm	ent	Da	le: 26-01-2023
Name			Jami	il Shaheed	Park		Pictures	
Location	Latitud	le		31.274164	1	and the second street of		
Location	Longit	ude	72.322226				We shall	
Area In Acre	es		3.75					
Ownership-		-				Maria and	MAR WIN	
possession			MC				N 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	s i fin
by any othe	-							🔲 GPS Map Camera –
(documents		ie)				The second second	a Cadar Duniah D	akistan (
Turfing Con	dition		Good	Fair	Poor		g Sadar, Punjab, P	INVESTIGATION OF STREAM AND AN ADDRESS
Approach Road Parking Lots		Good	Fair	Poor		/W Jamil Shaheed Park, Jhang Jhang, Punjab, Jhang Sadar, J		
		Yes		No	Lat 31.274164°			
Canteen Availability		Yes No			322226° 10:59 AM GMT +05:00	Sec. Sec.		
Average no visitors	Average number of daily		Ν	lot Availab	le	Joogle	- 10.05 AIN ONN 100.00	

	Integra	ted Develo	nment An	d Asset M	lanagement Pl	an (IDAMP)	
	integra			Committe			
			viuncipai	Committee	ee mang		
Form:			Par			Asse	t Code:
IDAMP-A10.2		Asset	Condition	n Assessm	ent		Date:
(based on the asses MC staff)	sment of						
Any illegal occup	ants or						
encroachments ob		N	ot Availab	le			
yes, type							
Security system		Yes		No	-		
	Natering &	& Irrigation					
Tube Well		U	Yes	No			
Nater Supply from I	Municipal	System	Yes	No			
Vater Tank	- 1- 2-		Yes	No			
Pumping Unit			Yes	No			
Distribution Pipe Lin	es		Yes	No	1		
/alves	-		Yes	No			
prinkler System			Yes	No	1		
Ground water stora	ge reservo	irs/ponds	Yes	No			
		& Plantatio					
Grass Beds			Yes	No			
-lower Beds			Yes	No			
ledges			Yes	No			
lants			Yes	No			
lumber of trees and	d species			-	-		
based on readily a		formation					
, at MC)							
	Lig	hts		•	-		
otal Number			Not Av	/ailable	-		
oles			Yes	No			
Cables			Yes	No			
arackets And Lights			Yes	No			
ulbs And Tubes			Yes	No			
ontrol Units			Yes	No			
	Struc	tures					
lo. of Toilets	Gents			2			
NO. OF FOILERS	Ladies			2			
Condition of Toilets	Gents		Pc	oor			
	Ladies			or			
Buildings			Yes	No			
ountains & Water I	all Struct	ure	Yes	No			
Walkways			Yes	No			
ogging tracks			Yes	No			
amps at entry gate	s for whee	el chairs	Yes	No			
Bridges & Culverts			Yes	No			
Play Area			Yes	No			
Gazebos			Yes	No			
Benches/ sitting arra		S	Yes	No			
Boundary Wall & Ga	ite		Yes	No			
Toilets			Yes	No			
akes & Brooks			Yes	No			
N	lechanica	Equipmen	t				

Integrated Development And Asset Management Plan (IDAMP)						
	Municipal Committee Jhang					
Form: IDAMP-A10.2		Par Asset Condition		ent	Asset	t Code: Date: 26-01-2023
Pumping Units		Yes	No			
Swings		Yes	No			
Children Games		Yes	No			
Fixtures		Yes	No			
Benches		Yes	No			
	nitation & Water					
Litter Bins		Yes	No			
Condition of SWM		Goo	air Poor			
Toilet Fixtures		Yes	No	1		
Sewerage System		Yes	No			
Vegetation Cuttings	& Disposal	Yes	No			
Drinking water avail	ability and quali	ty				
(based on availabil	ity of water qu	ality				
test reports)						
Water Pipes		Yes	No			
	HR					
Security Guards		Yes	No			
Landscape Experts		Yes	No			
Mali/Beldaar (Numb	per)	Yes	No			
		Ον	erall Ratin	g	-	•
Average Score	1	2		3	4	5
Asset Condition	Excellent	Good		Fair	Poor	Failing
Category	Α	В		С	D	E
		Remarks	; / Require	ements		
No remarks		1			1	
Data Collected By: N	Лr. Abdullah	Designation:	Team Men	nber	Jund Sign & Date: 15 M	
Data Checked By: M	lr. M Fiaz	Designation:	Team Lead	1	Sign & Date: 15 N	hy Лау 2023

		Integra				1anagement Plan (IDAMP)
			I	Municipal	Committe	ae Jhang
Form:	:			Par	k	Asset Code:
IDAMP-A	10.3		Asset	Condition	n Assessm	ent Date: 26-01-202
Name				Dajji Park		Pictures
	Latitud	de		31.2738		
Location	Longit	ude		72.3146		
Area In Acre	s			0.2		
Ownership-0	Owned	by MC or				
possession a				МС		
by any othe				ivic		
(documents		ole)	Carad	E - in	Deer	-
Turfing Cond			Good	Fair	Poor	4
Approach Ro			Good	Fair	Poor	4
Parking Lots			Yes		No	
Canteen Ava		-	Yes		No	4
Average nu	umber	of daily				
visitors (based on th		cmont of	N	ot Availab	le	
(based on th MC staff)	ie asses	sment of				
Any illegal	occu	pants or				
encroachme			N	ot Availab	le	
yes, type						
Security syst	tem		Yes		No	
		Watering &	& Irrigation		1	
Tube Well				Yes	No	- Margine -
Water Suppl	ly from	Municipal	System	Yes	No	
Water Tank Pumping Uni	i+			Yes Yes	No No	
Distribution		าคร		Yes	No	
Valves	ripe En	100		Yes	No	
Sprinkler Sys	stem			Yes	No	
Ground wate		ge reservo	irs/ponds	Yes	No	
	La	ndscaping	& Plantati			
Grass Beds				Yes	No	
Flower Beds				Yes	No	
Hedges Plants				Yes Yes	No No	4
Number of t	rees an	d species		Tes		•
(based on re			formation	3	30	
at MC)						
		Lig	hts			
Total Numbe	er				L3	4
Poles				Yes	No	4
Cables Brackets And	dlights			Yes Yes	No No	4
Brackets And Bulbs And Tu				Yes	NO	•
Control Unit				Yes	No	1
	-	Struc	tures			
No. of Toilet	S	Gents			0	1

	Integrated D	evelo	pment An	d Asset M	lanagement	Plan (IDAMP)	
			Municipal				
	1						
Form:			Parl		4	Asset	Code:
IDAMP-A10.3		Asset	Condition		ent		Date: 26-01-2023
	Ladies			2			
Condition of Toilets	Gents			-			
	Ladies			llent			
Buildings			Yes	No			
Fountains & Water	Fall Structure		Yes	No			
Walkways			Yes	No			
Jogging tracks			Yes	No			
Ramps at entry gate	es for wheel chai	irs	Yes	No			
Bridges & Culverts			Yes	No			
Play Area			Yes	No			
Gazebos			Yes	No			
Benches/ sitting arr	angements		Yes	No			
Boundary Wall & G	ate		Yes	No			
Toilets			Yes	No			
Lakes & Brooks			Yes	No			
ſ	Vechanical Equip	pmen	t				
Pumping Units			Yes	No			
Swings			Yes	No			
Children Games			Yes	No			
Fixtures			Yes	No			
Benches			Yes	No			
Sa	nitation & Wate	r Sup	ply				
Litter Bins			Yes	No			
Condition of SWM			Yes	No			
Toilet Fixtures			Yes	No			
Sewerage System			Yes	No			
Vegetation Cuttings	s & Disposal		Yes	No			
Drinking water avai		tv					
(based on availabi		-	Not Av	vailable			
test reports)	.,	,					
Water Pipes			Yes	No			
I	HR						
Security Guards			Yes	No			
Landscape Experts			Yes	No			
Mali/Beldaar (Num	ber)			)			
			Ove	erall Ratin	g		
Average Score	1		2		3	4	5
Asset Condition	Excellent	<u> </u>	Good		Fair	Poor	Failing
Category	A		B		C	D	E
cutegory				/ Require	-		-
<ul> <li>Ticket system</li> </ul>	em, Security, Play					required	
- HENCE SYSTE	sin, security, Fla		as, ligints d				11
						fort	Sh
Data Collected By: I	Mr. Abdullah	Desi	ignation: 1	<sup>-</sup> eam Men	nber		-
						0	
						Sign & Date: 15 N	/ay 2023

	Integrated Development And Asset Management Plan (IDAMP) Municipal Committee Jhang					
Form: IDAMP-A10.3						
Data Checked By: M	r. M Fiaz	Designation: Team Lead	Sign & Date: 15 May 2023			

# 6. Land

# A. Open Plots

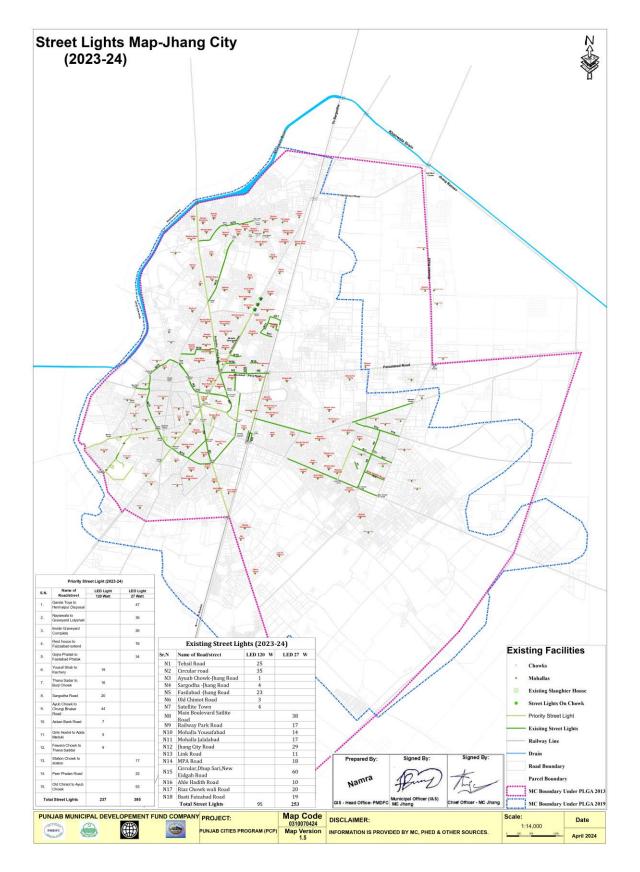
Sr #	Name	Condition	Area (Kanals)	Book Value (PKR Mil)
1	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
2	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
3	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
4	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
5	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
6	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
7	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
8	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
9	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
10	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
11	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
12	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
13	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
14	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
15	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
16	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
17	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
18	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
19	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3

Sr #	Name	Condition	Area (Kanals)	Book Value (PKR Mil)
20	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
21	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
22	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
23	Plot 10 Marla-Inside General Bus Stand Sarghodha Road	Good	0.5	7.65
24	Plot 10 Marla-Inside General Bus Stand Sarghodha Road	Good	0.5	7.65
25	Plot 10 Marla-Inside General Bus Stand Sarghodha Road	Good	0.5	7.65
26	Plot 10 Marla-Inside General Bus Stand Sarghodha Road	Good	0.5	7.65
27	Plot 10 Marla-Inside General Bus Stand Sarghodha Road	Good	0.5	7.65
28	Plot 10 Marla-Inside General Bus Stand Sarghodha Road	Good	0.5	7.65
29	Plot 10 Marla-Inside General Bus Stand Sarghodha Road	Good	0.5	7.65
30	Plot 10 Marla-Inside General Bus Stand Sarghodha Road	Good	0.5	7.65
31	Plot 10 Marla-Inside General Bus Stand Sarghodha Road	Good	0.5	7.65
32	Plot 10 Marla-Inside General Bus Stand Sarghodha Road	Good	0.5	7.65
33	Plot 10 Marla-Inside General Bus Stand Sarghodha Road	Good	0.5	7.65
34	Plot 10 Marla-Inside General Bus Stand Sarghodha Road	Good	0.5	7.65
35	Plot 10 Marla-Inside General Bus Stand Sarghodha Road	Good	0.5	7.65
36	Plot 10 Marla-Inside General Bus Stand Sarghodha Road	Good	0.5	7.65
37	Plot 10 Marla-Inside General Bus Stand Sarghodha Road	Good	0.5	7.65
38	Plot 10 Marla-Inside General Bus Stand Sarghodha Road	Good	0.5	7.65
39	Open plot Municipal Park	Good	Not Available	0
40	General Buss Stand Open Plot	Good	0.5	7.65
41	General Buss Stand Open Plot	Good	0.5	7.65
42	General Buss Stand Open Plot	Good	0.5	7.65

Sr #	Name	Condition	Area (Kanals)	Book Value (PKR Mil)
43	Open Plot-Street Pathara Wali Jhang	Good	Not Available	0
44	Open Land-Ganda Toya Bhakhar Road Jhang Sadar	Good	2	30.6
45	Bhabhrana Mohallah Open Plot	Good	0.15	2.346
46	Qita No 01-Mohallah Bhabrana Jhang Sadar	Good	0.001	0.002346
47	qita no 2-Mohallah Bhabrana Jhang Sadar	Good	0.05	0.765
48	qita no 3-Mohallah Bhabrana Jhang Sadar	Good	Not Available	0
49	Plot For Dispensary-Satellite Town jhang	Good	4	56.1
50	Plot No/ 917/A For Dispensary-Satellite Town jhang	Good	Not Available	0

# 7. Street lights

### 7.1 Streetlights Map



	Streetlights	MC Operated	Privately operated
<b>Operational Street Lights</b>	2896	2896	0
Non-Operational Street Lights	3176	3176	0
Total	6072	6072	0

Responsibility of Operation	Precast Concrete	Steel Structure	Tubular Steel	Wall Mounted	Tree
MC	719	404	328	3194	15

Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A9	Street Lights Asset Condition Assessment	Asset Code: Date: 26-01-			
Pictures					
		1 the			
Area	Total	Operational Status	Poles Type (WAPDA Pole / MC Pole)		
Noor Shah Gate	166	N/A	N/A		
Chaudary Colony	47	N/A	N/A		
Gujra Road	27	N/A	N/A		
Mahalla Islam Abad	54	N/A	N/A		
B-Block	46	N/A	N/A		
Kalma Chowk	33	N/A	N/A		
A- Block	54	N/A	N/A		
Basti Faizabad	38	N/A	N/A		
A-Block	26	N/A	N/A		
Sultan Wala	26	N/A	N/A		
Gali Lohara Wali	50	N/A	N/A		
Circular Road	180	N/A	N/A		
Sargodha Road	14	N/A	N/A		
Zulfiqar Sialwi	25	N/A	N/A		
Jhang Road	10	N/A	N/A		
Jhang Bazar	130	N/A	N/A		
Basti Mochian Wali	16	N/A	N/A		
Bhabhana Mohalla	77	N/A	N/A		
Lari Adda	33	N/A	N/A		
Chambaili Market	20	N/A	N/A		

Mohalla Pindi	85	N/A	N/A
Chungi #02	16	N/A	N/A
Azad Nasir Dera	18	N/A	N/A
Circular Road	61	N/A	N/A
Bhubhana Muhala	63	N/A	N/A
Complaint Office	39	N/A	N/A
F - Block	11	N/A	N/A
F - Block	23	N/A	N/A
Jhang Bazar	31	N/A	N/A
Folding House	23	N/A	N/A
Chaudary Colony	39	N/A	N/A
Muhalla Noor Ul Islam	26	N/A	N/A
Memna Bazar	54	N/A	N/A
Faizabad Basti	51	N/A	N/A
Muhalla Budday Wala	36	N/A	N/A
Motia Masjid	105	N/A	N/A
Muhalla Mochia Wala	10	N/A	N/A
Muhalla Purana Bagh Chungi No:22	64	N/A	N/A
Muhalla Usmania	14	N/A	N/A
Muhalla Yaabo Wala	39	N/A	N/A
Jhang Bazar	77	N/A	N/A
Naqad Pura Andron	45	N/A	N/A
W-Block	31	N/A	N/A
U Block	20	N/A	N/A
C Block	14	N/A	N/A
Muhalla Kahara Wala	33	N/A	N/A
Qasim Colony	44	N/A	N/A
Muhalla Qazia Wala	40	N/A	N/A
Rana Colony	28	N/A	N/A
Z-Block	39	N/A	N/A
Sessions Court Chowk	52	N/A	N/A
Bhabana Muhala	63	N/A	N/A
Chenab Road	35	N/A	N/A
Sultan Colony	59	N/A	N/A
A - Block	46	N/A	N/A
X - Block	63	N/A	N/A
Shiekh Colony	94	N/A	N/A
Khakhi Shah Road	52	N/A	N/A
Basti Sultan Noon	89	N/A	N/A
Basti Ali Araain	52	N/A	N/A
Jhand Road	118	N/A	N/A
Nighat Hospital	25	N/A	N/A
Dana Mandi Chowk	46	N/A	N/A
Harmal Pur	83	N/A	N/A
Basti Noor Pura Jhang	74	N/A	N/A
Bullay Shah	26	N/A	N/A

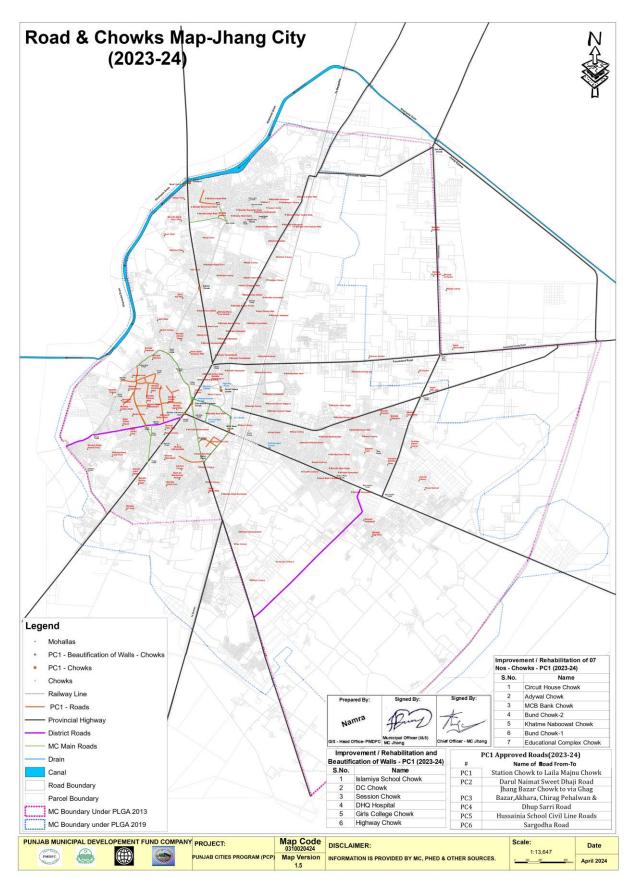
Nawaz Chowk	21	N/A	N/A	
Sultan Mohalla	119	N/A	N/A	
Sultan Mohalla	99	N/A	N/A	
Dhaji Road	47	N/A	N/A	
Anar Kali Bazar	138	N/A	N/A	
Sadar High School	16	N/A	N/A	
Main Bazar Soch	44	N/A	N/A	
Near Baldia Park	57	N/A	N/A	
District Courts	52	N/A	N/A	
Basheer Colony	36	N/A	N/A	
Near Laila-Majnu Gate	93	N/A	N/A	
Inside Janzagah	32	N/A	N/A	
Muhalla Hasmana	160	N/A	N/A	
Muhalla Jalala Abad	79	N/A	N/A	
Muhalla Dubkaran	99	N/A	N/A	
Gharry Bhan	53	N/A	N/A	
Bagha Wala	62	N/A	N/A	
Janaza Gah Road	53	N/A	N/A	
Marzi Pura Imam Kot Sharqia	106	N/A	N/A	
Bulak Shah	100	N/A	N/A	
Chorri Gran	44	N/A	N/A	
Lodhan Shah	94	N/A	N/A	
Madina Town	76	N/A	N/A	
Gali Gujjara Wali	128	N/A	N/A	
Mahalla Dawod Shan Jhang	83	N/A	N/A	
Muhalla Sharifa Wala	77	N/A	N/A	
Baab E Ali Aamir Town	45	N/A	N/A	
Rehman Colony	119	N/A	N/A	
Faislabad Road	74	N/A	N/A	
Marzi Pura Imam Kot Sharqia	208	N/A	N/A	
Government School Gali Sargodha Road	76	N/A	N/A	
Darbar Bollay Shah Qabarustan	89	N/A	N/A	
Zulfiqar Colony Bhakkar Road	46	N/A	N/A	
Mohalla Hussain Abad	137	N/A	N/A	
Basti Kal Wali	35	N/A	N/A	
Ahmad Nagar	72	N/A	N/A	
Chah Nishan Wala	51	N/A	N/A	
Police Chowki	50	N/A	N/A	
Remarks / Requirements				
Out of the 6072 lights in the MC	only 2896 lights are operational.			
Data Collected By: Mr. Abdullah	Designation: Team Member	Sign & Date: 15 N		
			,	

Data Checked By: Mr. M Fiaz	Designation: Team Lead	Martha
		Sign & Date: 15 May 2023

Out of the 6072 lights in the MC, only 2896 lights are operational. Details are given in the following table:

Equipment Type	Wattage of Lighting Fixture	Quantity	Responsibility of Operation	Daily Operational Hours	Electricity Consumption (kWh/yr)
Bulb	11	2	MC	9.2	96
Bulb	60	252	MC	9.2	66,226
Bulb	100	993	MC	9.2	434,934
Bulb	200	16	MC	9.2	14,016
Energy Saver	12	2	MC	9.2	105
Energy Saver	23	438	MC	9.2	44,124
Energy Saver	24	2	MC	9.2	210
Energy Saver	25	21	MC	9.2	2,300
Energy Saver	32	3	MC	9.2	420
Energy Saver	40	1	MC	9.2	175
Energy Saver	42	3	MC	9.2	552
Energy Saver	45	4	MC	9.2	788
Energy Saver	85	8	MC	9.2	2,978
LED	5	7	MC	9.2	153
LED	8	6	MC	9.2	210
LED	10	2	MC	9.2	88
LED	11	1	MC	9.2	48
LED	12	533	MC	9.2	28,014
LED	18	64	MC	9.2	5,046
LED	20	1	MC	9.2	88
LED	23	4	MC	9.2	403
LED	24	1	MC	9.2	105
LED	28	1	MC	9.2	123
LED	30	6	MC	9.2	788
LED	40	1	MC	9.2	175
LED	45	69	MC	9.2	13,600
LED	50	88	MC	9.2	19,272
LED	60	1	MC	9.2	263
LED	100	43	MC	9.2	18,834
LED	120	9	MC	9.2	4,730
Mercury Bulb	125	1	MC	9.2	548
Mercury Bulb	160	1	MC	9.2	701
Tube light	12	1	MC	9.2	53
Tube light	23	1	MC	9.2	101
Tube light	40	309	MC	9.2	54,137
Tube light	60	1	MC	9.2	263

#### 8. Roads



Sr #	Road Name		Paved Width	Existing Type	Length (km)
	From	То	(ft)		(KIII)
1	Pakka Railway Road Old Chiniot Road	Babe Umar	20	TST	1.4
2	Sargodha Road	Ayub Chowk	24+24	TST	3.5
3	Faisalabad Road	Ayub Chowk	24	TST	1
4	Katcha Railway Road /Old Chiniot Road	Shereen Chowk	20	TST	1.2
5	Rasheed Chowk	Sargodha Road	20	TST	0.8
6	Adhiwal Chowk	Tanga Adda Jhang City	20	TST	2.25
7	Sargodha Road Chungi No.22	High School Chowk/Thana City	20	TST	2.3
8	Hafiz Abad Chowk, Old Chiniot Road	Tibba Registan	15	TST	1
9	Tanga Adda City	Jora Khu	15	TST	1.2
10	Jora Khu	Babe Usman	15	TST	1.5
11	Cycle More / Lorry Adda	Governmnet Girls College	15	TST	1.7
12	Zacha Bacha Hospital Link	Sargodha Road	15	TST	1
13	Sargodha Road	Chak Noor Shah Disposal	15	TST	1.5
14	Bye Pass Chowk, Sargodha Road	Eid Gah	15	TST	1
15	Adhiwal Chowk	Via Sabzi Mandi	20	TST	2
16	Sargodha Road	Tanga Adda Saddar	20	TST	1
17	Sabzi Mandi	Jhang Road (MPA Road)	20	TST	2.5
18	MPA Chowk Jhang Road	Bye Pass Via Basti Kal Wali	20	TST	1
19	Chiragh Pehalwan Akhara	Street A-Rahman Wali Bhabhrana Mohallah	22	TST	1.25
20	Jhang Bazar Chowk	Jhang Bazar Chowk	20	TST	0.75
21	Chiragh Pehalwan Akhara	Tanga Adda Jhang Saddar	20	TST	0.9
22	Chiragh Pehalwan Akhara	Byepass / Hifazti Bund	20	TST	2.25
23	Bhabhrana Mohallah / Laila Majno Gate	Harmal Pur Disposal	20	TST	2.3
24	Abot Pur Chowk	Abot Pur Chowk Via Bulaq Shah Road	20	TST	1.15
25	Bohar Wala Chowk	Station Chowk	25	TST	0.7

Sr #	Road Name		Paved Width	Existing Type	Length (km)
	From	То	(ft)		(KIII)
26	Thana Saddar Chowk /Islamia School	Toba Road Via Millat College	25	TST+ Asphalt	2.25
27	Fowara Chowk	Toba Wala Phatak Toba Road	18	TST	0.8
28	Railbazar Chowk Pakka Kot Road	Kot Road Via Main Bazar	30	TST	1.05
29	Darul Sakina Road Rehmat Street	Ayoub Chowk	15	TST	0.4
30	Dhudhi Mor Via Musa Chowk	Gojra Road	15	TST	0.85
31	Musa Chowk	Forest Office Link Chiniot Road	20	TST	1.2
32	Link Chiniot Road Green Belt	Khokha Chowk	12	TST	0.9
33	Bihari Colony	Behari Colony Via Bashir Chowk	12	TST	0.9
34	Satellite Town Internal Roads	Link Chiniot Road Via Riaz Chowk	12	TST	5
35	Toba Road Railway Phatak	Faisalabad Road Railway Phatak Via Railway Colony	18	TST	2.25
36	Ghalla Mandi	Nawaz Chowk Via Dpo Residance Back	18	TST	1.1
37	Fowara Chowk Dhajji Road	Bulaq Shah Ground	15	TST	1.5
38	Chandni Chowk	Dhajji Road Via Gumbado Wali Masjid	15	TST	1.1

	Integrated Development And Asset Management Plan (IDAMP)											
			M	unicipal Comr	nittee Jhang	ß						
	Form: AMP-A8		Asset Cond	Road lition Assessm Pictur				Asset Cod Date	e: e: 26-01-2023			
						Γ						
Sr. No.	From		То	Ownership	TST, Asphalt Or Concrete Pavers	Row (Ft)	Paved Width (Ft)	Approx. Length (Km)	Condition			
1	Pakka Rai Road Old Chiniot	-	Babe Umar	MC Jhang	TST		20	1.4	poor			
2	Sargodha	Road	Ayub Chowk	MC Jhang	TST		24+24	3.5	Good			
3	Faisalabad	Road	Ayub Chowk	MC Jhang	TST		24	1.0	Good			
4	Katcha Rai Road Old Chiniot	-	Shereen Chowk	MC Jhang	TST	35	20	1.2	poor			
5	Rasheed C	howk	Sargodha Road	MC Jhang	TST	70	20	0.8	poor			
6	Adhiwal Cl	howk	Tanga Adda Jhang City	MC Jhang	TST	65	20	2.25	poor			
7	Sargodha Chung No.22	gi	High School Chowk/ Thana City	MC Jhang	TST		20	2.3	poor			
8	Hafiz Ab Chow Old Chiniot	k	Tibba Registan	MC Jhang	TST		15	1	poor			
9	Tanga Add	a City	Jora Khu	MC Jhang	TST		15	1.2	poor			
10	Jora Kh	iu	Babe Usman	MC Jhang	TST		15	1.5	poor			
11	Cycle Mo Lorry Add		Governmnet Girls College	MC Jhang	TST	25	15	1.7	poor			
12	Zacha Bacha Hospital Link		Sargodha Road	MC Jhang	TST		15	1	poor			
13	Sargodha	Road	Chak Noor Shah Disposal	MC Jhang	TST	30	15	1.5	poor			
14	Bye Pass Cl Sargodha		Eid Gah	MC Jhang	TST		15	1	poor			
15	Adhiwal Cl	howk	Via Sabzi Mandi Tanga Adda Saddar	MC Jhang	TST	50	20	2	poor			

		Int	egrated Develop	nent And Ass	et Managen	nent Pl	an (IDAM	P)	
			Mı	unicipal Com	nittee Jhang	;			
	Form: AMP-A8		Asset Cond	Road lition Assessn	nent			Asset Coc Dat	le: e: 26-01-2023
16	Sargodha R	oad	Jhang Road (MPA Road)	MC Jhang	TST	40	20	1	poor
17	Sabzi Mar	ndi	Bye Pass Via Basti Kal Wali	MC Jhang	TST	40	20	2.5	poor
18	MPA Cho JhangRoa		Street A- Rahman Wali Bhabhrana Mohallah	MC Jhang	TST	20	20	1	poor
19	Chiragh Pehalwa Akhara	n	Jhang Bazar Chowk	MC Jhang	TST	40	22	1.25	poor
20	Jhang Baz Chowk		Tanga Adda Jhang Saddar	MC Jhang	TST	40	20	0.75	poor
21	Chiragh Pehalwan Akhara		Byepass / Hifazti Bund	MC Jhang	TST	40	20	0.9	poor
22	Chiragh Pehalwa Akhara	n	Harmal Pur Disposal	MC Jhang	TST	40	20	2.25	poor
23	Bhabhrana Mohallah / Laila Majno Gate		Abot Pur Chowk Via Bulaq Shah Road	MC Jhang	TST	40	20	2.3	poor
24	Abot Pur Ch	lowk	Station Chowk	MC Jhang	TST	40	20	1.15	poor
25	Bohar Wa Chowk		Toba Road Via Millat College	MC Jhang	TST	55	25	0.7	poor
26	Thana Sad Chowk /Islamia Scl		Toba Wala Phatak Toba Road	MC Jhang	TST+Asp halt	55	25	2.25	poor
27	Fowara Ch	owk	Kot Road Via Main Bazar	MC Jhang	TST	40	18	0.8	poor
28	Railbazar Ch Pakka Kot F		Ayoub Chowk	MC Jhang	TST	60	30	1.05	poor
29	Darul Saki Road Rehmat Sti	na	Gojra Road	MC Jhang	TST	18	15	0.4	poor
30	Dhudhi Mor Via		Forest Office Link Chiniot Road	MC Jhang	TST	60	15	0.85	poor
31	Musa Cho	wk	Khokha Chowk	MC Jhang	TST	60	20	1.2	poor
32	Link Chiniot Green Be		Behari Colony Via Bashir Chowk	MC Jhang	TST	70	12	0.9	poor

		Int	egrated D	evelopr	nent And Asse	et Manage	ment	Plan (IDAM	P)			
	Municipal Committee Jhang											
	Form: AMP-A8		Ass	et Cond	Road lition Assessm	ient			Asset Cod Dat	le: e: 26-01-2023		
33	Bihari Col	ony	Link Chiniot		12	0.9	poor					
34	Satellite T Internal R				MC Jhang	TST	35	12	5	poor		
35	Toba Ro RailwayPh		Faisalaba Railway F Via Railway (	Phatak	MC Jhang	TST	40	18	2.25	Good		
36	Ghalla Ma	andi	Nawaz Chowk Via Dpo Residance Back		MC Jhang	TST	40	18	1.1	poor		
37	Fowara Ch Dhajji Road		Bulaq S Grou		MC Jhang	TST	35	15	1.5	poor		
38	Chandni Cl	howk	Dhajji Ro Gumbad Masj	o Wali	MC Jhang	TST	35	15	1.1	poor		
Data C	Data Collected By: Mr. Abdullah			Designation: Team Member			Sign & Date: 15 May 2023					
Data C	Data Checked By				Designation: Team Lead			Sign & Date: 15 May 2023				

### 9. Office Vehicles

Sr #	Name	Registration Number	Age (Years)	Condition	Status	Book Value (PKR Mil)	Capacity
1	Suzuki-Potohar	JGA-4077	Not Available	Fair	Functional	0.18	970
2	Suzuki-Cultus	JGC 4242	20	Fair	Functional	0.315	1000 cc
3	Nissan-Safari	JGA 4141	35	Failing	Functional	0.333	1000 cc

Int	egrated Development and As	sset Management Plan (II	DAMP)					
	Municipal Cor	nmittee Jhang						
_								
Form: IDAMP-A16	Moveable As Asset Condition As		Asset Code: Date: 27-03-2023					
I ype of veni	cle / Machinery	PI	ctures					
Car 8	a Jeeps							
	Jeep	Car 1	Car 2					
Capacity	970 CC	1000 CC	1000 CC					
Purpose	Office Use	Office Use	Office Use					
Year of Manufacturing	Not Available	2003	1988					
Model	Potohar	Cultus	Safari					
Capital Cost	Not Available	Not Available	Not Available					
Fuel Consumption (Liters/month)	76	233	0					
Condition	Fair	Fair	Poor					
Engine Capacity	970 CC	1000 CC	1000 CC					
Maintenance Cost	Not Available	Not Available	Not Available					
Oiling /Fitness	Yes	Yes	Yes					
Fitness Certificate	No	No	No					
Registered	JGA-4077	JGC 4242	JGA 4141					
Overall Rating	Fair	Fair	Failing					
	Remarks / R	equirements						
No remarks	No remarks							
Data Collected By: Mr. A	odullah Designation: Tea		Julih & Date: 15 May 2023					

	Integrated D	evelopment and Asset Management	Plan (IDAMP)
		Municipal Committee Jhang	
Form: IDAMP-A16		Moveable Asset Asset Condition Assessment	Asset Code: Date: 27-03-2023
Data Checked By: M		Designation: Team Lead	Sign & Date: 15 May 2023

# Annexure B. Projects Coding Scheme:

Region Name	Region Code	мс	MC Code	Property Types	Property Type Code	Sub Property Types	Sub Property Type Code	Unique Codes
						Tube wells	01	02-09-01-01-XX
						Water Supply Network		
						(ft)	02	02-09-01-02-XX
				Water Supply System	01	OHR	03	02-09-01-03-XX
				System		Filtration Plants	04	02-09-01-04-XX
						Vehicles	05	02-09-01-05-XX
						GST	06	02-09-01-06-XX
						Sewerage Network (ft)	01	02-09-02-01-XX
			09	Sewerage System	02	Disposal Stations	02	02-09-02-02-XX
						Vehicles	03	02-09-02-03-XX
				Solid Waste Management System	03	Dumping site	01	02-09-03-01-XX
		Jhang				Vehicles	02	02-09-03-02-XX
Central	02					Parking Shed	03	02-09-03-03-XX
Punjab		U		Roads and Streets	04	Roads	01	02-09-04-01-XX
						Street	02	02-09-04-02-XX
						Street light	03	02-09-04-03-XX
				-		Parks	01	02-09-05-01-XX
						Playgrounds	02	02-09-05-02-XX
						Open Spaces / Plots	03	02-09-05-03-XX
						Bus Stand	04	02-09-05-04-XX
				Public Places	05	Library	05	02-09-05-05-XX
						Slaughter Houses	06	02-09-05-06-XX
						Graveyards	07	02-09-05-07-XX
						Masjid/ Imam bargah	08	02-09-05-08-XX
						Shops	09	02-09-05-09-XX

Region Name	Region Code	МС	MC Code	Property Types	Property Type Code	Sub Property Types	Sub Property Type Code	Unique Codes
						Office buildings	01	02-09-06-01-XX
				Others	06	Office vehicles	02	02-09-06-02-XX
						Residential building	03	02-09-06-03-XX

## Annexure C. Project Screening and Phasing

Project Screening and Phasing:	
Project ID:	02-09-01-04-01
Project Description:	Rehabilitation of filtration Plant

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
1. Projec	t Purpose & Service Delivery Im	provement			·	· · ·		
	Does the project fill a gap in a			2.5	Minor contribution			
1.1	wider system of service		10	7.5	Major contribution	Significant contribution	10	
	delivery?			10	Significant contribution	contribution		
				0	No contribution.			
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?	30		2.5	Indirect contribution.	Major contribution to		
			10	7.5	Minor direct contribution	key development goal.	10	
				10	Major contribution to key development goal.			
	Whether the deference/		10	0	No consequences			
1.3	delay of the project is going to affect citizens' health,			2.5	Minor consequences	Major immediate	10	
1.5	safety, property, prosperity		10	7.5	Major future consequences	consequences	10	
	etc.?			10	Major immediate consequences			
2. Public	Response				-			
				1	Less than 10%			
2.1	Population served by the project.	15	7.5	5	Between 10% to 20%	Greater than 20%	7.5	
	p. 0] c c c	15		7.5	Greater than 20%			
2.2			5	0	Majority opposition	Majority support	5	

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or			1	Minority opposition		
	opposition for the project from NGO's,			5	Majority support		
	community groups, network, media, or business organizations?			2.5	Minority support		
	Is there support or			0	Majority opposition		
2.2	opposition from		2.5	0.5	Minority opposition		
2.3	residents in the immediate vicinity of the		2.5	2.5	Majority support	Majority support	2.5
	new facility?			1.5	Minority support		
3. Enviro	onmental Impact				•		
	The impact of the proposed project on the quality of local			0	Negative effects on quality of the local environment	Positive effects on the	
3.1	environment (e.g., Air	10	10	5	Neutral	quality of the local en	10
	quality, Water pollution, Waste reduction, etc.			10	Positive effects on the quality of the loc al environment	vironment	
4. Socio-	Economic Impact						
				0	No direct revenue		
4.1	Will the project bring in		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	No direct revenue	0
	direct revenue?			5	Revenue meets O&M costs		
		15		7.5	Revenue exceeds O&M costs		
	Are there indirect economic			0	Negative impact on the local economy		
4.2	benefits from this project in the long term, e.g.,		7.5	2.5	Little or no long-term economic development benefits	Little or no long-term economic development benefits	2.5
	employment creation, investment generation,			5	Additional investment in the area and increased wealth for citizens		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	increase in land/property				Significant competitive advantage to		
	prices, reduction in citizens'			7.5	industry and boost to the local		
	expenditures, etc.?				economy		
5. Ease o	f Implementation						
5.1	Has land been acquired for		10	10	Yes	Yes	10
5.1	the project (If required)?		10	0	No	res	10
	Has funding been			5	Yes		
5.2	secured/allocated within the Local Government budget or whether the external sources of funding have been secured?		5	0	No	Yes	5
	Will the project get approval	-	5	1	Difficult	Easy	
5.3	from higher levels of			2.5	Standard		5
	Government?	30		5	Easy		
	Ease of implementation of			1	Difficult	Easy	
5.4	project in respect of technical		5	3	Standard		5
	design?			5	Easy		
				0	Outside expertise needed for constructi on, O&M		
5.5	Is there a capable system in place to implement and		5	1	Outside expertise needed for constructi on phase only	ded for construction p	1
	operate this project or is external support needed?			3	Outside expertise needed for preparati on phase i.e., feasibility studies		- -
				5	No outside expertise needed		
Total Ach	nieved Score				•		83.5

Project ID:

**Project Description :** 

02-09-01-04-02

Rehabilitation and Improvement of water supply system

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Proje	ect Purpose & Service Delivery Improve	ment					
				2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Significant contribution	10
				10	Significant contribution		
				0	No contribution.		
	Whether the project will contribute			2.5	Indirect contribution.	Major contribution to key	
1.2	to Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	development goal.	10
				10	Major contribution to key development goal.		
	Whether the deference/ delay of the			0	No consequences		
1.3	project is going to affect citizens'		10	2.5	Minor consequences	Major immediate consequences	10
1.3	health, safety, property, prosperity			7.5	Major future consequences		10
	etc.?			10	Major immediate consequences		
2. Publ	ic Response						
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5
				7.5	Greater than 20%		
	Is there support or opposition for	15		0	Majority opposition		
2.2	the project from NGO's, community		F	1	Minority opposition	Majority support	-
2.2			5 -	5	Majority support	Majority support	5
	groups,			2.5	Minority support		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	network, media or business organizations?						
	Is there support or opposition from			0	Majority opposition		
2.3	residents in the immediate vicinity		2.5	0.5	Minority opposition	- Majority support	2.5
2.5	of the		2.5	2.5	Majority support		2.5
	new facility?			1.5	Minority support		
3. Envir	onmental Impact						
	The impact of the proposed project			0	Negative effects on quality of the local envir onment	Positive effects on the qu	
3.1	on the quality of local environment (e.g. Air quality, Water pollution,	10	10	5	Neutral	ality of the local environ	10
	Waste reduction, etc.			10	Positive effects on the quality of the local en vironment	ment	
4. Socio	-Economic Impact					1	r
				0	No direct revenue		
4.1	Will the project bring in direct		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	No direct revenue	0
	revenue?			5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
	Are there indirect economic benefits	15		0	Negative impact on the local economy		
	from this project in the long term, e.g. employment creation,			2.5	Little or no long term economic development benefits	Little or no long term	
4.2	e.g. employment creation, investment generation, increase in land/property prices, reduction in		7.5	5	Additional investment in the area and increased wealth for citizens	economic development benefits	2.5
	citizens' expenditures, etc.?			Significant competitive advantage to industry and boost to the local economy			
5. Ease	of Implementation				· · ·		
5.1		30	10	10	Yes	Yes	10

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Has land been acquired for the project (If required)?			0	No		
5.2	Has funding been secured/allocated within the Local Government budget or whether the external sources of funding have been secured?		5	5 0	Yes No	Yes	5
	Will the project get approval from		_	1	Difficult	-	_
5.3	higher levels of Government?		5	2.5 5	Standard Easy	Easy	5
	Free of involvementation of movie at in			1	Difficult		
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Easy	5
				5	Easy		
				0	Outside expertise needed for construction, O&M		
5.5	Is there a capable system in place to implement and operate this project		5	1	Outside expertise needed for construction p hase only	Outside expertise needed for construction phase o	1
5.5	or is external support needed?		5	3	Outside expertise needed for preparation ph ase i.e. feasibility studies	nly	-
				5	No outside expertise needed	7	
Total A	chieved Score				·		83.5

Project ID:

**Project Description :** 

02-09-01-06-01

Construction of Underground Water Storage Tanl

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Proje	ect Purpose & Service Delivery Imp	provement			•		
	Does the project fill a gap in a			2.5	Minor contribution		
1.1	wider system of service		10	7.5	Major contribution	Significant contribution	10
	delivery?			10	Significant contribution		
				0	No contribution.		
4.2	Whether the project will		10	2.5	Indirect contribution.	Major contribution to key	
1.2	contribute to Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	development goal.	10
				10	Major contribution to key development goal.		
	Whether the deference/ delay			0	No consequences		
1.2	of the project is going to affect		10	2.5	Minor consequences	Major immediate	10
1.3	citizens' health, safety,			7.5	Major future consequences	consequences	10
	property, prosperity etc.?			10	Major immediate consequences		
2. Publ	ic Response				-		-
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5
				7.5	Greater than 20%		
	Is there support or opposition	15		0	Majority opposition		
	for the project from NGO's,		5	1	Minority opposition	Majority support	
2.2	community groups,			5	Majority support		5
	network, media or business organizations?			2.5	Minority support		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or opposition			0	Majority opposition		
	from			0.5	Minority opposition		
2.3	residents in the immediate vicinity of the		2.5	2.5	Majority support	Majority support	2.5
	new facility?			1.5	Minority support		
3. Envir	onmental Impact				1	I	
	The impact of the proposed project on the quality of local			0	Negative effects on quality of the local enviro nment	Positive effects on the qua	
3.1	environment (e.g. Air quality,	10	10	5	Neutral	lity of the local environme	10
	Water pollution, Waste reduction, etc.			10	Positive effects on the quality of the local env ironment	nt	
4. Socio	-Economic Impact						
				0	No direct revenue	_	
4.1	Will the project bring in direct		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	No direct revenue	0
	revenue?			5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
	Are there indirect economic	15		0	Negative impact on the local economy		
	benefits from this project in the long term, e.g. employment			2.5	Little or no long term economic development benefits	Little or no long term	
4.2	creation, investment generation, increase in		7.5	5	Additional investment in the area and increased wealth for citizens	economic development benefits	2.5
	land/property prices, reduction in citizens' expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease	of Implementation						
5.1	Has land been acquired for the		10	10	Yes	Yes	10
	project (If required)?	30		0	No		-
5.2			5	5	Yes	Yes	5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Has funding been secured/allocated within the Local Government budget or whether the external sources of funding have been secured?			0	No		
	Will the project get approval			1	Difficult		
5.3	from higher levels of		5	2.5	Standard	Easy	5
	Government?			5	Easy		
	Ease of implementation of			1	Difficult		
5.4	project in respect of technical		5	3	Standard	Easy	5
	design?			5	Easy		
				0	Outside expertise needed for construction, O &M		
5.5	Is there a capable system in place to implement and		5	1	Outside expertise needed for construction ph ase only	Outside expertise needed for construction phase onl	1
	operate this project or is external support needed?			3	Outside expertise needed for preparation pha se i.e. feasibility studies		
				5	No outside expertise needed		
۲otal A	chieved Score				·		83.5

Project ID:

02-09-02-02-01

**Project Description:** 

Rehabilitation and improvement of sewerage system in Jhang city

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Projec	t Purpose & Service D	Delivery Improv	vement				
	Does the project			2.5	Minor contribution		
1.1	fill a gap in a wider		10	7.5	Major contribution	— Significant contribution	10
	system of service delivery?		10	10	Significant contribution	Significant contribution	
	Whether the			0	No contribution.		
	project will			2.5	Indirect contribution.	Major contribution to key	
1.2	contribute to		10	7.5	Minor direct contribution	– development goal.	10
	Sectoral Plan / City	30		10	Major contribution to key development		
	Master Plan?			10	goal.		
	Whether the			0	No consequences		
	deference/ delay			2.5	Minor consequences		
	of the project is			7.5	Major future consequences	Major immediate	
1.3	going to affect citizens' health, safety, property, prosperity etc.?		10	10	Major immediate consequences	consequences	10
2. Public	: Response						
	Population served			1	Less than 10%		
2.1			7.5	5	Between 10% to 20%	Greater than 20%	7.5
	by the project.	15		7.5	Greater than 20%		
		15		0	Majority opposition		
2.2	opposition for the		5	1	Minority opposition	Majority support	5
	project from			5	Majority support		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	NGO's, community groups, network, media, or business organizations?			2.5	Minority support		
1	Is there support or			0	Majority opposition		
	opposition from			0.5	Minority opposition		
2.3	residents in the		2.5	2.5	Majority support	Majority support	2.5
	immediate vicinity of the new facility?			1.5	Minority support		
3. Enviro	onmental Impact					· · · · · ·	
	The impact of the proposed project			0	Negative effects on quality of the local en vironment		
	on the quality of			5	Neutral		
3.1	local environment (e.g., Air quality, Water pollution, Waste reduction, etc.	10	10	10	Positive effects on the quality of the local environment	Positive effects on the qualit y of the local environment	10
4. Socio-	Economic Impact					· · · · ·	
				0	No direct revenue		
4.1	Will the project bring in direct		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	No direct revenue	0
	revenue?			5	Revenue meets O&M costs		
		15		7.5	Revenue exceeds O&M costs	]	
	Are there indirect	12		0	Negative impact on the local economy		
4.2	economic benefits from this project in		7.5	2.5	Little or no long-term economic development benefits	Additional investment in the area and increased wealth	5
	the long term, e.g., employment			5	Additional investment in the area and increased wealth for citizens	for citizens	

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	creation,						
	investment						
	generation,						
	increase in			7.5	Significant competitive advantage to		
	land/property			/.5	industry and boost to the local economy		
	prices, reduction in						
	citizens'						
	expenditures, etc.?						
5. Ease o	of Implementation		1	1			
	Has land been			10	Yes		
5.1	acquired for the		10			Yes	10
5.1	project (If		10	0		105	10
	required)?				No		
	Has funding been			5	Yes		
	secured/allocated						
	within the Local						
	Government						
5.2	budget or whether		5	0		Yes	5
	the external			0			
	sources of funding	30					
	have been	50					
	secured?				No		
	Will the project get			1	Difficult		
5.3	approval from		5	2.5	Standard	Easy	5
5.5	higher levels of Government?		5	5	Easy	Lusy	
	Ease of			1	Difficult		
	implementation of			3	Standard	1	
5.4	project in respect		5	-		standard	3
	of technical design?		3	5	Easy		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
	Is there a capable system in place to			0	Outside expertise needed for constructio n, O&M				
5.5	implement and operate this		1	Outside expertise needed for constructio n phase only	Outside expertise needed fo	1			
	project or is external support			3	Outside expertise needed for preparation phase i.e., feasibility studies	r construction phase only			
	needed?			5	No outside expertise needed				
Total Acl	Total Achieved Score								

Project ID:

02-09-02-02-02

**Project Description:** Improvement of Sewerage System in Jhang City and Construction of Wastewater Treatment Plant (WWTP)

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Projec	ct Purpose & Service D	elivery Impro	vement				
	Does the project			2.5	Minor contribution		
1.1	fill a gap in a wider		10	7.5	Major contribution	- Significant contribution	10
	system of service delivery?		10	10	Significant contribution		
	Whether the			0	No contribution.		
	project will			2.5	Indirect contribution.	Major contribution to key	10
1.2	contribute to		10	7.5	Minor direct contribution	development goal.	
	Sectoral Plan / City Master Plan?	30		10	Major contribution to key development goal.	development goal.	
	Whether the			0	No consequences		
	deference/ delay			2.5	Minor consequences		
	of the project is			7.5	Major future consequences	Major immediate	
1.3	going to affect citizens' health, safety, property, prosperity etc.?		10	10	Major immediate consequences	consequences	10
2. Public	: Response						
	Population served			1	Less than 10%		
2.1	by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5
		15		7.5	Greater than 20%		
	Is there support or	or		0	Majority opposition		
2.2	opposition for the		5	1	Minority opposition	Majority support	5
	project from			5	Majority support		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	NGO's, community groups, network, media, or business organizations?			2.5	Minority support		
	Is there support or			0	Majority opposition		
	opposition from			0.5	Minority opposition		
2.3	residents in the		2.5	2.5	Majority support	Majority support	2.5
2.5	immediate vicinity of the new facility?		2.5	1.5	Minority support		2.5
3. Enviro	onmental Impact						
	The impact of the proposed project			0	Negative effects on quality of the local environment	_	
	on the quality of	the quality of 5 Neutral	Neutral				
3.1	local environment (e.g., Air quality, Water pollution, Waste reduction, etc.	10	10	10	Positive effects on the quality of the loc al environment	Positive effects on the qualit y of the local environment	10
4. Socio-	Economic Impact		1			•	
				0	No direct revenue		
4.1	Will the project bring in direct		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	No direct revenue	0
	revenue?			5	Revenue meets O&M costs		
		15		7.5	Revenue exceeds O&M costs	]	
	Are there indirect	15		0	Negative impact on the local economy		
4.2	economic benefits from this project in		7.5	2.5	Little or no long-term economic development benefits	Little or no long-term economic development	2.5
	the long term, e.g., employment			5	Additional investment in the area and increased wealth for citizens	benefits	2.5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	creation,						
	investment						
	generation,				Significant competitive advantage to		
	increase in			7.5	industry and boost to the local		
	land/property				economy		
	prices, reduction in						
	citizens'						
	expenditures, etc.?						
5. Ease o	of Implementation						_
	Has land been			10	Yes		
5.1	acquired for the		10			Yes	10
5.1	project (If		10	0		165	10
	required)?				No		
	Has funding been			5	Yes		
	secured/allocated			0			
	within the Local					Yes	
	Government						
5.2	budget or whether		5				5
	the external			0			
	sources of funding	30					
	have been	30					
	secured?				No		
	Will the project get			1	Difficult		
5.3	approval from		5	2.5	Standard	– Easy	5
5.5	higher levels of		J	5	Fact	Easy	5
	Government?			5	Easy		
	Ease of			1	Difficult		
	implementation of			3	Standard		
5.4	project in respect		5			Easy	5
	of technical			5	Easy		
	design?						

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there a capable system in place to			0	Outside expertise needed for construct ion, O&M		
5.5	implement and operate this	5	1	Outside expertise needed for construct ion phase only	No outside expertise neede	5	
	project or is external support			3	Outside expertise needed for preparati on phase i.e., feasibility studies	α	
	needed?			5	No outside expertise needed	1	
Total Achieved Score							

Project ID:

02-09-04-01-01

**Project Description:** 

Improvement and Rehabilitation of Roads in MC Jhang (Asphalt)

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Projec	t Purpose & Service D	elivery Improv	vement				
	Does the project			2.5	Minor contribution		
1.1	fill a gap in a wider		10	7.5	Major contribution	<ul> <li>Significant contribution</li> </ul>	10
	system of service delivery?		10	10	Significant contribution		10
	Whether the			0	No contribution.		
	project will			2.5	Indirect contribution.	– Major contribution to key	10
1.2	contribute to		10	7.5	Minor direct contribution	– development goal.	
	Sectoral Plan / City Master Plan?	30		10	Major contribution to key development goal.		
	Whether the			0	No consequences		
	deference/ delay			2.5	Minor consequences		
	of the project is			7.5	Major future consequences	Major immediate	
1.3	going to affect citizens' health, safety, property, prosperity etc.?		10	10	Major immediate consequences	consequences	10
2. Public	Response						
	Population served			1	Less than 10%		
2.1	by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5
	by the project.	15		7.5	Greater than 20%	]	
	Is there support or	15		0	Majority opposition		
2.2	opposition for the		5	1	Minority opposition	Majority support	5
	project from			5	Majority support		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	NGO's, community groups, network, media, or business organizations?			2.5	Minority support		
	Is there support or			0	Majority opposition		
	opposition from			0.5	Minority opposition		
2.3	residents in the		2.5	2.5	Majority support	Majority support	2.5
	immediate vicinity of the new facility?			1.5	Minority support		
3. Enviro	onmental Impact					·	
	The impact of the proposed project			0	Negative effects on quality of the local en vironment		
	on the quality of			5	Neutral		
3.1	local environment (e.g., Air quality, Water pollution, Waste reduction, etc.	10	10	10	Positive effects on the quality of the local environment	Positive effects on the quality of the local environment	10
4. Socio-	Economic Impact						
				0	No direct revenue		
4.1	Will the project bring in direct		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	No direct revenue	0
	revenue?			5	Revenue meets O&M costs		
		15		7.5	Revenue exceeds O&M costs		
	Are there indirect	15		0	Negative impact on the local economy		
4.2	economic benefits from this project in		7.5	2.5	Little or no long-term economic development benefits	Significant competitive advantage to industry and	7.5
	the long term, e.g., employment			5	Additional investment in the area and increased wealth for citizens	boost to the local economy	7.5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	creation,						
	investment						
	generation,						
	increase in			7.5	Significant competitive advantage to		
	land/property			/.5	industry and boost to the local economy		
	prices, reduction in						
	citizens'						
	expenditures, etc.?						
5. Ease c	of Implementation						T
	Has land been			10	Yes		
5.1	acquired for the		10			Yes	10
5.1	project (If		10	0		105	10
	required)?				No		
	Has funding been			5	Yes		
	secured/allocated			0			
	within the Local						
	Government					Yes	
5.2	budget or whether		5				5
	the external			0			
	sources of funding	30					
	have been	50					
	secured?				No		
	Will the project get			1	Difficult		
5.3	approval from		5	2.5	Standard	Easy	5
5.5	higher levels of Government?	-	5	5	Easy	Lusy	5
	Ease of			1	Difficult		
	implementation of			3	Standard	1	
5.4			5			standard	3
	of technical design?			5	Easy		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
	Is there a capable system in place to implement and	-			0 Outside expertise needed for constructio n, O&M				
5.5	implement and operate this		5	1	Outside expertise needed for constructio n phase only	Outside expertise needed for	0		
	project or is external support			3	Outside expertise needed for preparation phase i.e., feasibility studies	construction, O&M			
	needed?			5	No outside expertise needed				
Total Acl	Total Achieved Score								

Project ID:

02-09-04-01-02

**Project Description:** 

Improvement and Rehabilitation of Roads in MC Jhang (Tuff Pavers)

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Projec	t Purpose & Service D	elivery Impro	vement				
	Does the project			2.5	Minor contribution		
1.1	fill a gap in a wider		10	7.5	Major contribution	<ul> <li>Significant contribution</li> </ul>	10
	system of service delivery?		10	10	Significant contribution		10
	Whether the			0	No contribution.		
	project will			2.5	Indirect contribution.	Major contribution to key	10
1.2	contribute to		10	7.5	Minor direct contribution	development goal.	
	Sectoral Plan / City Master Plan?	30		10	Major contribution to key development goal.	development goal.	
	Whether the			0	No consequences		
	deference/ delay			2.5	Minor consequences		
	of the project is			7.5	Major future consequences	Major immediate	
1.3	going to affect citizens' health, safety, property, prosperity etc.?		10	10	Major immediate consequences	consequences	10
2. Public	Response						
	Population served			1	Less than 10%		
2.1	by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5
	by the project.	15		7.5	Greater than 20%		
	Is there support or	15		0	Majority opposition		
2.2	opposition for the		5	1	Minority opposition	Majority support	5
	project from			5	Majority support		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	NGO's, community groups, network, media, or business organizations?			2.5	Minority support		
	Is there support or			0	Majority opposition		
	opposition from			0.5	Minority opposition		
2.3	residents in the		2.5	2.5	Majority support	Majority support	2.5
2.5	immediate vicinity of the new facility?		2.5	1.5	Minority support		210
3. Enviro	onmental Impact						
	The impact of the proposed project			0	Negative effects on quality of the local environment		
	on the quality of			5	Neutral		
3.1	local environment (e.g., Air quality, Water pollution, Waste reduction, etc.	10	10	10	Positive effects on the quality of the loc al environment	Positive effects on the quality of the local environment	10
4. Socio-	Economic Impact		L				
				0	No direct revenue		
4.1	Will the project bring in direct		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	No direct revenue	0
	revenue?			5	Revenue meets O&M costs		
		45		7.5	Revenue exceeds O&M costs		
	Are there indirect	15		0	Negative impact on the local economy		
4.2	economic benefits from this project in		7.5	2.5	Little or no long-term economic development benefits	Significant competitive advantage to industry and	7.5
	the long term, e.g., employment			5	Additional investment in the area and increased wealth for citizens	boost to the local economy	,

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	creation,						
	investment						
	generation,				Significant competitive advantage to		
	increase in			7.5	industry and boost to the local		
	land/property			7.5	economy		
	prices, reduction in				economy		
	citizens'						
	expenditures, etc.?						
5. Ease c	of Implementation						
	Has land been			10	Yes		
5.1	acquired for the		10			Yes	10
5.1	project (If		10	0		163	10
	required)?				No		
	Has funding been			5	Yes		
	secured/allocated						
	within the Local						
	Government						
5.2	budget or whether		5	0		Yes	5
	the external			0			
	sources of funding	30					
	have been	50					
	secured?				No		
	Will the project get			1	Difficult		
5.3	approval from		F	2.5	Standard	– Easy	5
5.5	higher levels of	5 -	5	Fact	Edsy	5	
	Government?			5	Easy		
	Ease of			1	Difficult		
	implementation of			3	Standard		
5.4	project in respect		5			standard	3
	of technical			5	Easy		
	design?						

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
	Is there a capable system in place to implement and			0	Outside expertise needed for construct ion, O&M				
5.5			5	1	Outside expertise needed for construct ion phase only	Outside expertise needed for c	0		
	project or is external support			3	Outside expertise needed for preparati on phase i.e., feasibility studies	onstruction, O&M			
	needed?			5	No outside expertise needed				
Total Ac	Total Achieved Score								

Project ID:

02-09-04-01-03

**Project Description:** 

Beautification of Chowks

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Projec	ct Purpose & Service D	elivery Impro	vement				
1.1	Does the project	30	10	2.5	Minor contribution	Significant contribution	10
	fill a gap in a wider			7.5	Major contribution		
	system of service delivery?			10	Significant contribution		
1.2	Whether the		10	0	No contribution.	Major contribution to key development goal.	10
	project will			2.5	Indirect contribution.		
	contribute to			7.5	Minor direct contribution		
	Sectoral Plan / City			10	Major contribution to key		
	Master Plan?			10	development goal.		
1.3	Whether the		10	0	No consequences	Major future consequences	7.5
	deference/ delay			2.5	Minor consequences		
	of the project is			7.5	Major future consequences		
	going to affect citizens' health, safety, property, prosperity etc.?			10	Major immediate consequences		
2. Public	c Response						-
2.1	Population served by the project.	- 15	7.5	1	Less than 10%	Greater than 20%	7.5
				5	Between 10% to 20%		
				7.5	Greater than 20%		
2.2	Is there support or		5	0	Majority opposition	Majority support	5
	opposition for the			1	Minority opposition		
	project from			5	Majority support		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	NGO's, community						
	groups,						
	network, media, or			2.5	Minority support		
	business						
	organizations?						
	Is there support or			0	Majority opposition	-	
	opposition from			0.5	Minority opposition	-	
2.3	residents in the		2.5	2.5	Majority support	Majority support	2.5
	immediate vicinity						
	of the			1.5	Minority support		
2 Enviro	new facility?						
5. EIIVIIC	The impact of the				Negative effects on quality of the lo		
	proposed project			0	cal environment		
	on the quality of			5	Neutral	-	
	local environment				Neutral	Positive effects on the quality o	
3.1	(e.g., Air quality,	10	10			f the local environment	10
	Water pollution,			10	Positive effects on the quality of the		
	Waste reduction,				local environment		
	etc.						
4. Socio-	Economic Impact						
				0	No direct revenue		
	Will the project			2.5	Direct revenue is not sufficient to		
4.1	bring in direct		7.5	2.5	meet O&M costs	No direct revenue	0
	revenue?			5	Revenue meets O&M costs		
		15		7.5	Revenue exceeds O&M costs		
	Are there indirect			0	Negative impact on the local	Additional investment in the	
4.2	economic benefits		7.5	0	economy	area and increased wealth for	5
7.2	from this project in		7.5	2.5	Little or no long-term economic	citizens	
	the long term, e.g.,			2.5	development benefits		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	employment			5	Additional investment in the area		
	creation,				and increased wealth for citizens		
	investment						
	generation,						
	increase in				Significant competitive advantage to		
	land/property			7.5	industry and boost to the local		
	prices, reduction in				economy		
	citizens'						
	expenditures, etc.?						
5. Ease c	of Implementation						1
	Has land been			10	Yes	4	
5.1	acquired for the		10			Yes	10
•	project (If			0			-
	required)?				No		
	Has funding been			5	Yes	-	
	secured/allocated						
	within the Local						
	Government		_				_
5.2	budget or whether		5	0		Yes	5
	the external	30					
	sources of funding						
	have been				No		
	secured?			1	Difficult		
	Will the project get			1		4	
5.3	approval from higher levels of		5	2.5	Standard	Standard	2.5
	Government?			5	Easy		
	Ease of			1	Difficult		
5.4	implementation of		5	3	Standard	Easy	5
	project in respect			5	Easy	1	

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	of technical design?						
	Is there a capable system in place to			0	Outside expertise needed for constr uction, O&M		
5.5	implement and operate this		5	1	Outside expertise needed for constr uction phase only	Outside expertise needed for c	1
	project or is external support			3	Outside expertise needed for prepar ation phase i.e., feasibility studies	onstruction phase only	
	needed?			5	No outside expertise needed	]	
Total Ac	hieved Score						81

Project ID:

02-09-04-01-04

**Project Description:** 

Rehabilitation of 5 Existing Green Belts

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Projec	ct Purpose & Service Delivery Improvem	ent					
	Deep the project fill a gap in a wider			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Significant contribution	10
	system of service derivery!			10	Significant contribution		
				0	No contribution.		
	Whathar the project will contribute			2.5	Indirect contribution.	Major contribution to key	
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		10	7.5	Minor direct contribution	development goal.	10
		30		10	Major contribution to key development goal.	development goal.	
				0	No consequences		
	Whether the deference/ delay of the			2.5	Minor consequences		
1.3	project is going to affect citizens' health, safety, property, prosperity		10	7.5	Major future consequences	Major future consequences	7.5
	etc.?			10	Major immediate consequences		
2. Public	: Response						
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5
				7.5	Greater than 20%		
	Is there support or opposition for the	15		0	Majority opposition		
	project from NGO's, community	10		1	Minority opposition		
2.2	groups,		5	5	Majority support	Majority support	5
	network, media, or business organizations?			2.5	Minority support		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or opposition from			0	Majority opposition		
2.3	residents in the immediate vicinity of		2.5	0.5	Minority opposition	Majority support	2.5
2.5	the		2.5	2.5	Majority support		2.5
	new facility?			1.5	Minority support		
3. Enviro	nmental Impact						
					Negative effects on qualit		
	The impact of the proposed project			0	y of the local environmen		
	on the quality of local environment				t	Positive effects on the qua	
3.1	(e.g., Air quality, Water pollution,	10	10	5	Neutral	lity of the local environme	10
	Waste reduction, etc.				Positive effects on the qu	nt	
	waste reddetion, etc.			10	ality of the local environ		
					ment		
4. Socio-	Economic Impact			-			
				0	No direct revenue		
					Direct revenue is not		
				2.5	sufficient to meet O&M		
4.1	Will the project bring in direct		7.5		costs	No direct revenue	0
	revenue?		7.5	5	Revenue meets O&M		Ū
					costs		
				7.5	Revenue exceeds O&M		
		15		,	costs		
				0	Negative impact on the		
	Are there indirect economic benefits				local economy	-	
	from this project in the long term,				Little or no long-term	Little or no long-term	
4.2	e.g., employment creation,		7.5	2.5	economic development	economic development	2.5
	investment generation, increase in				benefits	benefits	
	land/property prices, reduction in				Additional investment in		
	citizens' expenditures, etc.?			5	the area and increased		
					wealth for citizens		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
				7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease o	f Implementation						
	Has land been acquired for the			10	Yes		
5.1	project (If required)?		10	0	No	Yes	10
	Has funding been secured/allocated			5	Yes		
5.2	within the Local Government budget or whether the external sources of funding have been secured?		5	0	No	No	0
				1	Difficult		
5.3	Will the project get approval from		5	2.5	Standard	Difficult	1
5.5	higher levels of Government?		Easy		-		
				1	Difficult		
5.4	Ease of implementation of project in	30	5	3	Standard	Difficult	1
	respect of technical design?	30		5	Easy		
				0	Outside expertise needed for construction, O&M		
5.5	Is there a capable system in place to		F	1	Outside expertise needed for construction phase o nly	Outside expertise needed	1
5.5	implement and operate this project or is external support needed?		5	3	Outside expertise needed for preparation phase i.e. , feasibility studies	for construction phase onl y	1
				5	No outside expertise nee ded		
Total Acl	nieved Score						68

Project ID:

02-09-04-01-05

**Project Description:** 

Rehabilitation of 5 Existing Green Belts

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Projec	t Purpose & Service Delivery Improvem	ent					
	Deep the project fill a gap in a wider			2.5	Minor contribution	Significant	
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	<ul> <li>Significant</li> <li>contribution</li> </ul>	10
	system of service delivery:			10	Significant contribution	contribution	
				0	No contribution.		
	Whathar the project will contribute			2.5	Indirect contribution.	Major contribution to	
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		10	7.5	Minor direct contribution	key development goal.	10
		30		10	Major contribution to key development goal.	key development goal.	
				0	No consequences		
	Whether the deference/ delay of the			2.5	Minor consequences	Nation future	
1.3	project is going to affect citizens'		10	7.5	Major future consequences	<ul> <li>Major future</li> <li>consequences</li> </ul>	7.5
	health, safety, property, prosperity etc.?			10	Major immediate consequences	consequences	
2. Public	Response				· · · · ·		
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5
				7.5	Greater than 20%		
	Is there support or opposition for the			0	Majority opposition		
	project from NGO's, community	15		1	Minority opposition		
2.2	groups,		5	5	Majority support	Majority support	5
	network, media, or business organizations?			2.5	Minority support		
2.3			2.5	0	Majority opposition	Majority support	2.5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or opposition from			0.5	Minority opposition		
	residents in the immediate vicinity of			2.5	Majority support		
	the new facility?			1.5	Minority support		
3. Enviro	nmental Impact						
	The impact of the proposed project			0	Negative effects on quality of t he local environment	Positive effects on the	
3.1	on the quality of local environment	10	10	5	Neutral	quality of the local en	10
	(e.g., Air quality, Water pollution, Waste reduction, etc.			10	Positive effects on the quality of the local environment	vironment	
4. Socio-	Economic Impact						
				0	No direct revenue		
4.1	Will the project bring in direct		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	t No direct revenue	0
	revenue?			5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
				0	Negative impact on the local economy	Little or no long-term	
	Are there indirect economic benefits from this project in the long term,	15		2.5	Little or no long-term economic development benefits		
4.2	e.g., employment creation, investment generation, increase in land/property prices, reduction in		7.5	5	Additional investment in the area and increased wealth for citizens	economic development benefits	2.5
	citizens' expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease c	of Implementation			1		,	
5.1	Has land been acquired for the	30	10	10	Yes	Yes	10
0.1	project (If required)?		10	0	No		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Has funding been secured/allocated			5	Yes		
5.2	within the Local Government budget or whether the external sources of funding have been secured?		5	0	No	No	0
	Will the process of entry of from			1	Difficult		
5.3	Will the project get approval from higher levels of Government?		5	2.5	Standard	Difficult	1
	light levels of Government!			5	Easy		
	Ease of implementation of project in			1	Difficult		
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Difficult	1
	respect of technical design:			5	Easy		
				0	Outside expertise needed for c onstruction, O&M		
	Is there a capable system in place to		_	1	Outside expertise needed for c onstruction phase only	Outside expertise nee	4
5.5	implement and operate this project or is external support needed?	5		3	Outside expertise needed for p reparation phase i.e., feasibilit y studies	<ul> <li>ded for construction p hase only</li> </ul>	Ţ
				5	No outside expertise needed		
Total Acl	hieved Score				·		68

Project ID:

02-09-04-03-01

**Project Description:** 

Provision and installation of Street Lights in Jhang City

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Projec	ct Purpose & Service Delivery Impro	vement					
	Does the project fill a gap in a			2.5	Minor contribution		
1.1	wider system of service		10	7.5	Major contribution	Significant contribution	10
	delivery?			10	Significant contribution		
				0	No contribution.		
	Whether the project will			2.5	Indirect contribution.	Major contribution to key	
1.2	contribute to Sectoral Plan / City		10	7.5	Minor direct contribution	– development goal.	10
	Master Plan?	30		10	Major contribution to key development goal.		
				0	No consequences		
	Whether the deference/ delay			2.5	Minor consequences	– Major immediate	
1.3	of the project is going to affect citizens' health, safety, property,		10	7.5	Major future consequences	consequences	10
	prosperity etc.?			10	Major immediate consequences		
2. Public	Response			·		· · · · ·	
	Deputation as much hustha			1	Less than 10%		
2.1	Population served by the		7.5	5	Between 10% to 20%	Greater than 20%	7.5
	project.			7.5	Greater than 20%		
	Is there support or opposition			0	Majority opposition		
	for the	15		1	Minority opposition		
2.2	project from NGO's, community		5	5	Majority support	Majority support	5
	groups, network, media, or business organizations?			2.5	Minority support		-

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or opposition			0	Majority opposition		
	from			0.5	Minority opposition		
2.3	residents in the immediate		2.5	2.5	Majority support	Majority support	2.5
	vicinity of the new facility?			1.5	Minority support		
3. Enviro	onmental Impact						
	The impact of the proposed project on the quality of local			0	Negative effects on quality of the local environment	Positive effects on the qua	
3.1	environment (e.g., Air quality,	10	10	5	Neutral	lity of the local environme	10
	Water pollution, Waste reduction, etc.			10	Positive effects on the quality of the local environment	nt	
4. Socio-	Economic Impact						
				0	No direct revenue		
4.1	Will the project bring in direct revenue?		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	No direct revenue	0
	revenuer			5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
				0	Negative impact on the local economy	 Additional investment in	
	Are there indirect economic benefits from this project in the long term, e.g., employment	15		2.5	Little or no long-term economic development benefits		
4.2	creation, investment generation, increase in land/property prices, reduction		7.5	5	Additional investment in the area and increased wealth for citizens	the area and increased wealth for citizens	5
	in citizens' expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease c	of Implementation						
5.1		30	10	10	Yes	Yes	10

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Has land been acquired for the project (If required)?			0	No		
	Has funding been secured/allocated within the			5	Yes	-	
5.2	Local Government budget or whether the external sources of funding have been secured?		5	0	Νο	Yes	5
5.3	Will the project get approval from higher levels of Government?		5	1 2.5 5	Difficult Standard Easy	Easy	5
5.4	Ease of implementation of project in respect of technical design?		5	1 3 5	Difficult Standard Easy	Standard	3
				0	Outside expertise needed for construction, O&M		
5.5	Is there a capable system in place to implement and operate		F	1	Outside expertise needed for construction phase only	Outside expertise needed	1
5.5	this project or is external support needed?		5	3 preparation phase i.e., feasibil ity studies	for construction phase onl y		
Total Ad	hieved Score			5	No outside expertise needed		84

## **Project Screening and Phasing:**

Project ID:

02-09-05-01-01

**Project Description:** 

Rehabilitation of Dhaji Park for Female in Jhang City

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Projec	t Purpose & Service Delivery Improveme	nt					
	Dees the preject fills gap in a wider			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Significant contribution	10
	system of service delivery!			10	Significant contribution		
				0	No contribution.		
	Whathar the project will contribute to			2.5	Indirect contribution.	Major contribution to key	
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		10	7.5	Minor direct contribution	– development goal.	10
		30		10	Major contribution to		
		50		10	key development goal.		<b>_</b>
			10	0	No consequences		
	Whether the deference/ delay of the			2.5	Minor consequences	Major immediate consequences	
1.3	project is going to affect citizens'			7.5	Major future		10
1.5	health, safety, property, prosperity			7.5	consequences		10
	etc.?			10	Major immediate		
				10	consequences		
2. Public	Response			1	Γ		T
				1	Less than 10%	4	
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5
				7.5	Greater than 20%		
	Is there support or opposition for the	15		0	Majority opposition	-	
	project from NGO's, community			1	Minority opposition		
2.2	groups,		5	5	Majority support	Majority support	5
	network, media, or business organizations?			2.5	Minority support		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
	Is there support or opposition from			0	Majority opposition				
2.3	residents in the immediate vicinity of		2.5	0.5	Minority opposition	Majority support	2.5		
2.5	the		2.5	2.5	Majority support		2.5		
	new facility?			1.5	Minority support				
3. Enviro	nmental Impact								
					Negative effects on quali				
	The impact of the proposed project on			0	ty of the local environme				
	the quality of local environment (e.g.,				nt	Positive effects on the qualit			
3.1	Air quality, Water pollution, Waste	10	10	5	Neutral	y of the local environment	10		
	reduction, etc.				Positive effects on the qu	y of the local churchment			
				10	ality of the local environ				
					ment				
4. Socio-	Economic Impact				Γ				
				0	No direct revenue				
			7.5				Direct revenue is not		
				2.5	sufficient to meet O&M				
4.1	Will the project bring in direct				costs	No direct revenue	0		
	revenue?			5	Revenue meets O&M				
					costs	-			
				7.5	Revenue exceeds O&M				
		15			costs				
	A second s			0	Negative impact on the				
	Are there indirect economic benefits				local economy				
	from this project in the long term, e.g.,			2.5	Little or no long-term economic development	Additional investment in the			
4.2	employment creation, investment		7.5	2.5	benefits	area and increased wealth	5		
	generation, increase in land/property prices, reduction in citizens'				Additional investment in	for citizens			
	•			5	the area and increased	nt in			
	expenditures, etc.?			5	wealth for citizens				

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
				7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease o	f Implementation				ceonomy		
5.1	Has land been acquired for the project		10	10	Yes	Yes	10
5.1	(If required)?		10	0	No	res	10
	Has funding been secured/allocated			5	Yes		
5.2	within the Local Government budget or whether the external sources of funding have been secured?		5	0	No	Yes	5
				1	Difficult		
5.3	Will the project get approval from		5	2.5	Standard	Standard	2.5
	higher levels of Government?		-	5	Easy		
			5	1	Difficult	Standard	
5.4	Ease of implementation of project in	30		3	Standard		3
	respect of technical design?	30		5	Easy		
				0	Outside expertise neede d for construction, O&M		
	Is there a capable system in place to		-	1	Outside expertise neede d for construction phase only	Outside expertise needed fo	
5.5	implement and operate this project or is external support needed?		5	3	Outside expertise neede d for preparation phase i. e., feasibility studies	r construction phase only	1
				5	No outside expertise nee ded	2	
<b>Total Acl</b>	hieved Score						81.5

Project ID:

02-09-05-01-02

**Project Description:** 

Rehabilitation of Ganda Toya

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Projec	ct Purpose & Service Delivery Improve	ment					
	Deep the project fill a gap in a			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Minor contribution	2.5
	while system of service derivery:			10	Significant contribution		
				0	No contribution.		
	Whathar the project will contribute			2.5	Indirect contribution.		
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		10	7.5	Minor direct contribution	Indirect contribution.	2.5
		30		10	Major contribution to key development goal.		
			10	0	No consequences		
	Whether the deference/ delay of			2.5	Minor consequences	Minor consequences	
1.3	the project is going to affect			7.5	Major future consequences		2.5
	citizens' health, safety, property, prosperity etc.?			10	Major immediate		
				10	consequences		
2. Public	Response						
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5
				7.5	Greater than 20%		
	Is there support or opposition for			0	Majority opposition		
	the	15		1	Minority opposition		
2.2	project from NGO's, community		5	5	Majority support	Majority support	5
2.2	groups, network, media, or business organizations?			2.5	Minority support		5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or opposition from			0	Majority opposition		
2.3	residents in the immediate vicinity		2.5	0.5	Minority opposition	Majority support	2.5
2.3	of the		2.5	2.5	Majority support	Majority support	2.5
	new facility?			1.5	Minority support		
3. Enviro	onmental Impact						
	The impact of the proposed project			0	Negative effects on quality of the local environment	Positive effects on the qua	
3.1	on the quality of local environment	10	10	5	Neutral	lity of the local environme	10
	(e.g., Air quality, Water pollution, Waste reduction, etc.			10	Positive effects on the quality of the local environment	nť	
4. Socio-	Economic Impact						
	•			0	No direct revenue		
4.1	Will the project bring in direct revenue?		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	No direct revenue	0
				5	Revenue meets O&M costs		-
				7.5	Revenue exceeds O&M costs	-	
				0	Negative impact on the local economy		
	Are there indirect economic benefits from this project in the long term, e.g., employment	15		2.5	Little or no long-term economic development benefits	Additional investment in	
4.2	creation, investment generation, increase in land/property prices, reduction in citizens' expenditures,		7.5	5	Additional investment in the area and increased wealth for citizens	the area and increased wealth for citizens	5
	etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease c	of Implementation						
5.1	Has land been acquired for the	30	10	10	Yes	Voc	10
5.1	project (If required)?	30	10	0	No	Yes	10

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Has funding been			5	Yes		
5.2	secured/allocated within the Local Government budget or whether the external sources of funding have been secured?		5	0	Νο	Yes	5
				1	Difficult		
5.3	Will the project get approval from		5	2.5	Standard	Standard	2.5
	higher levels of Government?			5	Easy		
	Free of implementation of anniost				Difficult		
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Standard	3
				5	Easy		<u> </u>
				0	Outside expertise needed for construction, O&M		
	Is there a capable system in place to implement and operate this		_	1	Outside expertise needed for construction phase only	Outside expertise needed	4
5.5	project or is external support needed?		5	3	Outside expertise needed for preparation phase i.e., feasibil ity studies	for construction phase onl y	1
			-	5	No outside expertise needed		
Total Acl	hieved Score						59

Project ID:

02-09-05-04-01

**Project Description:** 

Improvement and Rehabilitation of Bus Stand

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Projec	t Purpose & Service Delivery Improvement						·
	Deep the project fill a gap in a wider			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Significant contribution	10
	system of service delivery:			10	Significant contribution		
				0	No contribution.		
	Whather the project will contribute to			2.5	Indirect contribution.		
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		10	7.5	Minor direct contribution	No contribution.	0
		30		10	Major contribution to key		
				10	development goal.		
				0	No consequences	Minor consequences	
	Whether the deference/ delay of the		10	2.5	Minor consequences		
1.3	project is going to affect citizens' health,			7.5	Major future consequences		2.5
	safety, property, prosperity etc.?			10	Major immediate		
				10	consequences		
2. Public	Response						
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5
				7.5	Greater than 20%		
	Is there support or opposition for the	15		0	Majority opposition		
2.2	project from NGO's, community groups,	12	5	1	Minority opposition	Majority support	5
2.2	<sup>2</sup> network, media, or business organizations?		5	5	Majority support	Majority support	5
				2.5	Minority support		
2.3			2.5	0	Majority opposition	Majority support	2.5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or opposition from			0.5	Minority opposition		
	residents in the immediate vicinity of			2.5	Majority support		
	the new facility?			1.5	Minority support		
3. Enviro	onmental Impact						
	The impact of the proposed project on			0	Negative effects on quality o f the local environment	Positive effects on the qu	
3.1	the quality of local environment (e.g.,	10	10	5	Neutral	ality of the local environ	10
	Air quality, Water pollution, Waste reduction, etc.			10	Positive effects on the qualit y of the local environment	ment	
4. Socio-	Economic Impact				• ·		
				0	No direct revenue		
4.1	Will the project bring in direct revenue?		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	Revenue meets O&M costs	5
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
				0	Negative impact on the local economy		
	Are there indirect economic benefits from this project in the long term, e.g.,	15		2.5	Little or no long-term economic development benefits	Additional investment in	
4.2	employment creation, investment generation, increase in land/property prices, reduction in citizens'		7.5	5	Additional investment in the area and increased wealth for citizens	the area and increased wealth for citizens	5
	expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease o	of Implementation		· · · · · · · · · · · · · · · · · · ·		· · · · · ·		
5.1	-	30	10	10	Yes	Yes	10

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Has land been acquired for the project (If required)?			0	No		
5.2	Has funding been secured/allocated within the Local Government budget or whether the external sources of funding have been secured?		5	5 0	Yes	No	0
				1	Difficult		
5.3	Will the project get approval from higher levels of Government?		5	2.5	Standard	Difficult	1
				5	Easy		
	Ease of implementation of project in			1	Difficult		
5.4	respect of technical design?		5	3	Standard	Standard	3
	- 5			5	Easy		
				0	Outside expertise needed fo r construction, O&M		
	Is there a capable system in place to		F	1	Outside expertise needed fo r construction phase only	Outside expertise needed	0
5.5	implement and operate this project or is external support needed?		5	3	Outside expertise needed fo r preparation phase i.e., feas ibility studies	for construction, O&M	U
				5	No outside expertise needed		
Total Ac	hieved Score						61.5

Project ID:

02-09-05-06-01

**Project Description:** 

Rehabilitation of slaughterhouse

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Projec	t Purpose & Service Delivery Improvement		·	·			
	Desc the project fills can in a wider			2.5	Minor contribution	Significant	
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	- Significant - contribution	10
	system of service delivery:			10	Significant contribution	Contribution	
				0	No contribution.		
	Whether the project will contribute to			2.5	Indirect contribution.	Major contribution to	
1.2	Sectoral Plan / City Master Plan?		10	7.5	Minor direct contribution	- key development goal.	10
		30		10	Major contribution to key	key development goal.	
				10	development goal.		
				0	No consequences	 — Major immediate	
	Whether the deference/ delay of the			2.5	Minor consequences		
1.3	project is going to affect citizens' health,		10	7.5	Major future consequences	- consequences	10
	safety, property, prosperity etc.?			10	Major immediate	consequences	
				10	consequences		
2. Public	Response		-	•			
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5
				7.5	Greater than 20%		
	Is there support or opposition for the	15		0	Majority opposition		
2.2	project from NGO's, community groups,		5	1	Minority opposition	Majority support	5
2.2	etwork, media, or business		5	5	Majority support	— Majority support —	5
	organizations?			2.5	Minority support		
2.3			2.5	0	Majority opposition	Majority support	2.5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or opposition from			0.5	Minority opposition		
	residents in the immediate vicinity of			2.5	Majority support		
	the new facility?			1.5	Minority support		
3. Enviro	onmental Impact						
	The impact of the proposed project on			0	Negative effects on quality of the local environment	Positive effects on the	
3.1	the quality of local environment (e.g., Air quality, Water pollution, Waste	10	10	5	Neutral	quality of the local en	10
	reduction, etc.			10	Positive effects on the quality of the local environment	vironment	
4. Socio-	Economic Impact		-				
				0	No direct revenue		
4.1	Will the project bring in direct revenue?		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	Revenue meets O&M costs	5
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
				0	Negative impact on the local economy		
	Are there indirect economic benefits from this project in the long term, e.g.,	15	15	2.5	Little or no long-term economic development benefits	Additional investment in the area and increased wealth for citizens	
4.2	employment creation, investment generation, increase in land/property prices, reduction in citizens'		7.5	5	Additional investment in the area and increased wealth for citizens		5
	expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease c	of Implementation				· · ·		
5.1	Has land been acquired for the project	20	10	10	Yes	Voc	10
5.1	(If required)?	30	10	0	No	Yes	10

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
	Has funding been secured/allocated			5	Yes			
5.2	within the Local Government budget or whether the external sources of funding have been secured?		5	0	Νο	Yes	5	
				1	Difficult			
5.3	Will the project get approval from higher levels of Government?		5	2.5	Standard	Difficult	1	
	higher levels of Government!			5	Easy			
	Ease of implementation of project in			1	Difficult			
5.4	respect of technical design?		5	3	Standard	Easy	5	
				5	Easy			
			5	0	Outside expertise needed for construction, O&M			
	Is there a capable system in place to				1	Outside expertise needed for construction phase only	Outside expertise nee	4
5.5	implement and operate this project or is external support needed?			3	Outside expertise needed for preparation phase i.e., feasibi lity studies	ded for construction p hase only	1	
			5	No outside expertise needed				
Total Ac	hieved Score			•	· · · · · · · · · · · · · · · · · · ·		87	

02-09-06-01-01

Project Description :

Solarization of the municipal buildings

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Proje	ect Purpose & Service Delivery Improvement		-				
	Deep the project fills gap in a wider			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5
	system of service delivery:			10	Significant contribution		
				0	No contribution.		
	W/bothor the project will contribute to			2.5	Indirect contribution.		
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	<ul> <li>Major contribution to</li> <li>key development goal.</li> </ul>	10
		30		10	Major contribution to key development goal.	key development goal.	
			10	0	No consequences		
1.2	Whether the deference/ delay of the			2.5	Minor consequences		25
1.3	project is going to affect citizens' health,			7.5	Major future consequences	Minor consequences	2.5
	safety, property, prosperity etc.?			10	Major immediate consequences		
2. Publi	ic Response		·				
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Less than 10%	1
				7.5	Greater than 20%		
				0	Majority opposition		
2.2	Is there support or opposition for the	15	5	1	Minority opposition	Maiarity averaget	5
2.2	project from NGO's, community groups, network, media or business organizations?	15	5	5	Majority support	Majority support	Э
	network, media or business organizations:			2.5	Minority support		
	Is there support or opposition from			0	Majority opposition		
2.3	residents in the immediate vicinity of the		2.5	0.5	Minority opposition	Majority support	2.5
	new facility?			2.5	Majority support		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
				1.5	Minority support		
3. Envi	ronmental Impact						
	The impact of the proposed project on the			0	Negative effects on quality of the local environment	Positive effects on the	
3.1	quality of local environment (e.g. Air	10	10	5	Neutral	quality of the local envi	10
	quality, Water pollution, Waste reduction, etc.			10	Positive effects on the quality of the lo cal environment	ronment	
4. Socio	o-Economic Impact		•		•		
				0	No direct revenue		
4.1	Will the project bring in direct revenue?		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	Revenue exceeds O&M	7.5
				5	Revenue meets O&M costs	costs	
				7.5	Revenue exceeds O&M costs		
	Are there indirect economic benefits from this project in the long term, e.g.			0	Negative impact on the local economy		
		15	7.5	2.5	Little or no long term economic development benefits	Significant competitive	
4.2	employment creation, investment generation, increase in land/property			5	Additional investment in the area and increased wealth for citizens	advantage to industry and boost to the local	7.5
	prices, reduction in citizens' expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy	economy	
5. Ease	of Implementation						
5.1	Has land been acquired for the project (If		10	10	Yes	Yes	10
5.1	required)?		10	0	No	165	10
	Has funding been secured/allocated within			5	Yes		
5.2	the Local Government budget or whether the external sources of funding have been secured?	30	5	0	No	Yes	5
	Will the project get approval from higher			1	Difficult		
5.3	levels of Government?		5	2.5	Standard	Easy	5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score			
				5	Easy					
	Face of implementation of project in			1	Difficult					
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Easy	5			
	respect of technical design?			5	Easy					
				0	Outside expertise needed for construct					
				U	ion, O&M					
	Is there a capable system in place to			1	Outside expertise needed for construct	Outside expertise need				
5.5	implement and operate this project or is		5	T	ion phase only	ed for construction ph	1			
	external support needed?			С	Outside expertise needed for preparati	ase only				
				5	on phase i.e. feasibility studies					
				5	No outside expertise needed					
Total A	Total Achieved Score									

02-09-01-01-01

**Project Description :** 

Solarization of Tube wells and Water Supply System

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Project	Purpose & Service Delivery Improvement						
	Does the project fill a gap in a wider			2.5	Minor contribution		
1.1	system of service delivery?		10	7.5	Major contribution	Significant contribution	10
	system of service delivery:			10	Significant contribution		
				0	No contribution.		
	Whether the project will contribute to			2.5	Indirect contribution.	Major contribution to	
1.2	Sectoral Plan / City Master Plan?		10	7.5	Minor direct contribution	key development goal.	10
		30		10	Major contribution to key development goal.	- key development goal.	
		-	10	0	No consequences	– Major future – consequences	
	Whether the deference/ delay of the			2.5	Minor consequences		
1.3	project is going to affect citizens' health, safety, property, prosperity etc.?			7.5	Major future consequences		7.5
				10	Major immediate consequences		
2. Public F	Response		·				
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5
				7.5	Greater than 20%		
	Is there support or opposition for the			0	Majority opposition		
2.2	project from NGO's, community groups,	15	5	1	Minority opposition	Majarity support	
2.2	network, media or business		5	5	Majority support	Majority support	5
	organizations?			2.5	Minority support		
2.3	Is there support or opposition from		2 5	0	Majority opposition	Majority support	2.5
2.3	residents in the immediate vicinity of		2.5	0.5	Minority opposition	Majority support	

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	the			2.5	Majority support		
	new facility?			1.5	Minority support		
3. Enviror	mental Impact						
	The impact of the proposed project on the quality of local environment (e.g.			0	Negative effects on quality of the local environment	Positive effects on the q	
3.1	Air quality, Water pollution, Waste	10	10	5	Neutral	uality of the local enviro	10
	reduction, etc.			10	Positive effects on the qualit y of the local environment	nment	
4. Socio-E	conomic Impact						
				0	No direct revenue		
4.1	Will the project bring in direct revenue?		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	Revenue exceeds O&M costs	7.5
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
		15		0	Negative impact on the local economy	Additional investment in	
	Are there indirect economic benefits from this project in the long term, e.g.	15		2.5	Little or no long term economic development benefits		
4.2	employment creation, investment generation, increase in land/property prices, reduction in citizens'		7.5	5	Additional investment in the area and increased wealth for citizens	the area and increased wealth for citizens	5
	expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease of	Implementation						
5.1	Has land been acquired for the project	30	10	10	Yes	Yes	10
J.1	(If required)?		10	0	No	103	10

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Has funding been secured/allocated			5	Yes		
5.2	within the Local Government budget or whether the external sources of funding have been secured?		5	0	No	Yes	5
				1	Difficult		
5.3	Will the project get approval from higher levels of Government?		5	2.5	Standard	Standard	2.5
	higher levels of Government!			5	Easy		
	Ease of implementation of project in			1	Difficult		
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Standard	3
	respect of technical design:			5	Easy		
				0	Outside expertise needed fo r construction, O&M		
	Is there a capable system in place to			1	Outside expertise needed fo r construction phase only	Outside expertise needefod for construction phaseeasonly	
5.5	implement and operate this project or is external support needed?		5	3	Outside expertise needed fo r preparation phase i.e. feas ibility studies		1
				5	No outside expertise neede d		
Total Ach	ieved Score						86.5

02-09-01-04-03

**Project Description :** 

Provision of Mobile Ultra Filtration Plants (02) for Disaster Management

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
1. Proje	ect Purpose & Service Delivery Improvem	ent						
	Dear the marie of fills are in a wider			2.5	Minor contribution			
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5	
	system of service delivery?			10	Significant contribution			
				0	No contribution.			
	Whathar the project will contribute to			2.5	Indirect contribution.	Major contribution to key		
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	development goal.	10	
		30		10	Major contribution to key development goal.	development goal.		
	Whether the deference/ delay of the			0	No consequences			
1.3	project is going to affect citizens' health, safety, property, prosperity		10	2.5	Minor consequences	Minor consequences	2.5	
1.3				7.5	Major future consequences		2.5	
	etc.?			10	Major immediate consequences			
2. Publi	ic Response							
				1	Less than 10%			
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Less than 10%	1	
				7.5	Greater than 20%			
	Is there support or opposition for the			0	Majority opposition			
	project from NGO's, community	15		1	Minority opposition			
2.2	8		5	5	Majority support	Majority support	5	
	network, media or business organizations?			2.5	Minority support			
2.3	Is there support or opposition from		2.5	0	Majority opposition	Majority support	2.5	
2.5	residents in the immediate vicinity of		2.5	0.5	Minority opposition	Majority support	2.5	

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	the			2.5	Majority support		
	new facility?			1.5	Minority support		
3. Envii	ronmental Impact						
	The impact of the proposed project on the quality of local environment (e.g.			0	Negative effects on quality of the local e nvironment	Desitive offects on the quality	
3.1	Air quality, Water pollution, Waste	10	10	5	Neutral	Positive effects on the quality of the local environment	10
	reduction, etc.			10	Positive effects on the quality of the loca I environment		
4. Socio	o-Economic Impact						
				0	No direct revenue		
4.1	Will the project bring in direct		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	Revenue exceeds O&M costs	7.5
	revenue?			5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
		15	7.5	0	Negative impact on the local economy		
	Are there indirect economic benefits from this project in the long term, e.g.	13		2.5	Little or no long term economic development benefits	Significant competitive	
4.2	employment creation, investment generation, increase in land/property prices, reduction in citizens'			5	Additional investment in the area and increased wealth for citizens	advantage to industry and boost to the local economy	7.5
	expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease	of Implementation						
5.1	Has land been acquired for the project		10	10	Yes	Yes	10
5.1	(If required)?		10	0	No	163	10
	Has funding been secured/allocated			5	Yes		
5.2	within the Local Government budget or whether the external sources of	30	5	0		Yes	5
	funding have been secured?	-			No	-	
5.3			5	1	Difficult	Easy	5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score			
	Will the project get approval from			2.5	Standard					
	higher levels of Government?			5	Easy					
	Face of implementation of project in		1 D		Difficult					
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Easy	5			
				5	Easy					
			Outside expertise needed for const	Outside expertise needed for constructio						
				0	n, O&M	Outside expertise needed for				
	Is there a capable system in place to			1	Outside expertise needed for constructio					
5.5	implement and operate this project or		5	-	n phase only	construction phase only	1			
	is external support needed?			3	Outside expertise needed for preparatio	construction phase only				
			5	n phase i.e. feasibility studies						
				5	No outside expertise needed					
Total A	Fotal Achieved Score									

02-09-02-02-03

**Project Description :** 

SCADA system for disposal stations

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Proje	ect Purpose & Service Delivery Improvem	ent					
	Desethe preject fills can in a wider			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5
	system of service delivery!			10	Significant contribution		
				0	No contribution.		
	Whether the project will contribute to			2.5	Indirect contribution.	Major contribution to key	
1.2	Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	development goal.	10
		30		10	Major contribution to key development goal.	development goal.	
	Whether the deference/ delay of the			0	No consequences		
1.3	project is going to affect citizens'		10	2.5	Minor consequences	Minor consequences	2.5
1.3				7.5	Major future consequences		2.5
	etc.?			10	Major immediate consequences		
2. Publi	ic Response						
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Less than 10%	1
				7.5	Greater than 20%		
	Is there support or opposition for the			0	Majority opposition		
	project from NGO's, community	15		1	Minority opposition		
2.2	5 1 7	10	5	5	Majority support	Majority support	5
	network, media or business organizations?			2.5	Minority support		
2.3	Is there support or opposition from		2.5	0	Majority opposition	Majority support	2.5
2.5	residents in the immediate vicinity of		2.5	0.5	Minority opposition		2.5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	the			2.5	Majority support		
	new facility?			1.5	Minority support		
3. Envir	ronmental Impact						
	The impact of the proposed project on the quality of local environment (e.g.			0	Negative effects on quality of the local e nvironment	Desitive offects on the quality	
3.1	Air quality, Water pollution, Waste	10	10	5	Neutral	Positive effects on the quality of the local environment	10
	reduction, etc.			10	Positive effects on the quality of the loca I environment		
4. Socio	o-Economic Impact						
				0	No direct revenue		
4.1	Will the project bring in direct		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	Revenue exceeds O&M costs	7.5
	revenue?			5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs	]	
		15	7.5	0	Negative impact on the local economy		
	Are there indirect economic benefits from this project in the long term, e.g.	12		2.5	Little or no long term economic development benefits	Significant competitive	
4.2	employment creation, investment generation, increase in land/property prices, reduction in citizens'			5	Additional investment in the area and increased wealth for citizens	advantage to industry and boost to the local economy	7.5
	expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease	of Implementation						
5.1	Has land been acquired for the project		10	10	Yes	Yes	10
5.1	(If required)?		10	0	No	163	10
	Has funding been secured/allocated			5	Yes		
5.2	within the Local Government budget or whether the external sources of	30	5	0		Yes	5
	funding have been secured?				No		
5.3			5	1	Difficult	Easy	5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score			
	Will the project get approval from			2.5	Standard					
	higher levels of Government?			5	Easy					
	Face of implementation of project in		1 D		Difficult					
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Easy	5			
				5	Easy					
			Outside expertise needed for const	Outside expertise needed for constructio						
				0	n, O&M	Outside expertise needed for				
	Is there a capable system in place to			1	Outside expertise needed for constructio					
5.5	implement and operate this project or		5	-	n phase only	construction phase only	1			
	is external support needed?			3	Outside expertise needed for preparatio	construction phase only				
			5	n phase i.e. feasibility studies						
				5	No outside expertise needed					
Total A	Fotal Achieved Score									

02-09-04-01-06

**Project Description :** 

Rehabilitation of Roads(Tuff Paver) in MC Jhang.

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Proje	ect Purpose & Service Delivery Improvem	ent		•			
	Desethe preject fills can in a wider			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5
	system of service delivery!			10	Significant contribution		
				0	No contribution.		
	Whether the project will contribute to			2.5	Indirect contribution.	Major contribution to key	
1.2	Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	development goal.	10
		50		10	Major contribution to key development goal.	development goal.	
	Whether the deference/ delay of the			0	No consequences	Minor consequences	
1.3	project is going to affect citizens'		10	2.5	Minor consequences		2.5
1.3	health, safety, property, prosperity			7.5	Major future consequences		2.5
	etc.?			10	Major immediate consequences		
2. Publi	ic Response						
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Less than 10%	1
				7.5	Greater than 20%		
	Is there support or opposition for the			0	Majority opposition		
	project from NGO's, community	15		1	Minority opposition		
2.2	groups, 15 network, media or business organizations?		5	5	Majority support	Majority support	5
			2.5	Minority support			
2.3	Is there support or opposition from		2.5	0	Majority opposition	Majority support	2.5
2.5	residents in the immediate vicinity of		2.5	0.5	Minority opposition	Majority support	2.5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	the			2.5	Majority support		
	new facility?			1.5	Minority support		
3. Envir	ronmental Impact						
	The impact of the proposed project on the quality of local environment (e.g.			0	Negative effects on quality of the local e nvironment	Desitive offects on the quality	
3.1	Air quality, Water pollution, Waste	10	10	5	Neutral	Positive effects on the quality of the local environment	10
	reduction, etc.			10	Positive effects on the quality of the loca I environment		
4. Socio	o-Economic Impact						
				0	No direct revenue		
4.1	Will the project bring in direct		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	Revenue exceeds O&M costs	7.5
	revenue?			5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
		15		0	Negative impact on the local economy		
	Are there indirect economic benefits from this project in the long term, e.g.		7.5	2.5	Little or no long term economic development benefits	Significant competitive	
4.2	employment creation, investment generation, increase in land/property prices, reduction in citizens'			5	Additional investment in the area and increased wealth for citizens	advantage to industry and boost to the local economy	7.5
	expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease	of Implementation						
5.1	Has land been acquired for the project		10	10	Yes	Yes	10
5.1	(If required)?		10	0	No	163	10
	Has funding been secured/allocated			5	Yes		
5.2	within the Local Government budget or whether the external sources of	30	5	0		Yes	5
	funding have been secured?				No		
5.3			5	1	Difficult	Easy	5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
	Will the project get approval from			2.5	Standard				
	higher levels of Government?			5	Easy				
	Face of implementation of project in			1	Difficult				
5.4	5.4 Ease of implementation of project in respect of technical design?		5	3	Standard	Easy	5		
				5	Easy				
				0	Outside expertise needed for constructio				
				0	n, O&M				
	Is there a capable system in place to			1	Outside expertise needed for constructio	Outside expertise needed for			
5.5	implement and operate this project or		5	-	n phase only	construction phase only	1		
	is external support needed?			3	Outside expertise needed for preparatio	construction phase only			
			5	n phase i.e. feasibility studies					
				5	No outside expertise needed				
Total A	Total Achieved Score								

02-09-04-01-07

**Project Description :** 

Improvement & Rehabilitation of 07 Nos. Chowks in MC Jhang

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Proje	ct Purpose & Service Delivery Improvem	ent					
	Desethe preject fill a contine wider			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5
	system of service delivery!			10	Significant contribution		
				0	No contribution.		
	Whether the project will contribute to			2.5	Indirect contribution.	Major contribution to key	
1.2	Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	development goal.	10
		30		10	Major contribution to key development goal.	- development goal.	
	Whether the deference/ delay of the			0	No consequences	Minor consequences	
1.3	project is going to affect citizens'		10	2.5	Minor consequences		2.5
1.3	health, safety, property, prosperity			7.5	Major future consequences		2.5
	etc.?			10	Major immediate consequences		
2. Publi	c Response						
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Less than 10%	1
				7.5	Greater than 20%		
	Is there support or opposition for the			0	Majority opposition		
	project from NGO's, community	15		1	Minority opposition		
2.2	groups,	13	5	5	Majority support	Majority support	5
	network, media or business organizations?			2.5	Minority support		
2.3	Is there support or opposition from		2.5	0	Majority opposition	Majority support	2.5
2.5	residents in the immediate vicinity of		2.5	0.5	Minority opposition		2.5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	the			2.5	Majority support		
	new facility?			1.5	Minority support		
3. Envii	ronmental Impact						
	The impact of the proposed project on the quality of local environment (e.g.			0	Negative effects on quality of the local e nvironment	Desitive offects on the quality	
3.1	Air quality, Water pollution, Waste	10	10	5	Neutral	Positive effects on the quality of the local environment	10
	reduction, etc.			10	Positive effects on the quality of the loca I environment		
4. Socio	o-Economic Impact						
				0	No direct revenue		
4.1	Will the project bring in direct		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	Revenue exceeds O&M costs	7.5
	revenue?			5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
		15		0	Negative impact on the local economy		
	Are there indirect economic benefits from this project in the long term, e.g.		7.5	2.5	Little or no long term economic development benefits	Significant competitive	
4.2	employment creation, investment generation, increase in land/property prices, reduction in citizens'			5	Additional investment in the area and increased wealth for citizens	advantage to industry and boost to the local economy	7.5
	expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease	of Implementation						
5.1	Has land been acquired for the project		10	10	Yes	Yes	10
5.1	(If required)?		10	0	No	163	10
	Has funding been secured/allocated			5	Yes		
5.2	within the Local Government budget or whether the external sources of	30	5	0		Yes	5
	funding have been secured?	-			No	-	
5.3			5	1	Difficult	Easy	5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
	Will the project get approval from			2.5	Standard				
	higher levels of Government?			5	Easy				
	Face of implementation of project in			1	Difficult				
5.4	5.4 Ease of implementation of project in respect of technical design?		5	3	Standard	Easy	5		
				5	Easy				
				0	Outside expertise needed for constructio				
				0	n, O&M				
	Is there a capable system in place to			1	Outside expertise needed for constructio	Outside expertise needed for			
5.5	implement and operate this project or		5	-	n phase only	construction phase only	1		
	is external support needed?			3	Outside expertise needed for preparatio	construction phase only			
			5	n phase i.e. feasibility studies					
				5	No outside expertise needed				
Total A	Total Achieved Score								

02-09-04-01-08

**Project Description :** 

Rehabilitation, Improvement and Beautification of Walls (Package-2) in MC Jhang

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Proje	ect Purpose & Service Delivery Improvem	ent					
	Deep the preject fill a gap in a wider			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5
	system of service delivery!			10	Significant contribution		
				0	No contribution.		
	Whether the project will contribute to			2.5	Indirect contribution.	Major contribution to key	
1.2	Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	development goal.	10
		30		10	Major contribution to key development goal.	development goal.	
	3 Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity		10	0	No consequences	Minor consequences	
1.3				2.5	Minor consequences		2.5
1.3				7.5	Major future consequences		2.5
	etc.?			10	Major immediate consequences		
2. Publi	ic Response						
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Less than 10%	1
				7.5	Greater than 20%		
	Is there support or opposition for the			0	Majority opposition		
	project from NGO's, community	15		1	Minority opposition		
2.2	groups,	15	5	5	Majority support	Majority support	5
	network, media or business organizations?			2.5	Minority support		
2.3	Is there support or opposition from		2.5	0	Majority opposition	Majority support	2 5
2.3	residents in the immediate vicinity of		2.5	0.5	Minority opposition	Majority support	2.5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	the			2.5	Majority support		
	new facility?			1.5	Minority support		
3. Envii	ronmental Impact						
	The impact of the proposed project on the quality of local environment (e.g.			0	Negative effects on quality of the local e nvironment	Desitive offects on the quality	
3.1	Air quality, Water pollution, Waste	10	10	5	Neutral	Positive effects on the quality of the local environment	10
	reduction, etc.			10	Positive effects on the quality of the loca I environment		
4. Socio	o-Economic Impact						
				0	No direct revenue		
4.1	Will the project bring in direct		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	Revenue exceeds O&M costs	7.5
	revenue?			5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
		15		0	Negative impact on the local economy		
	Are there indirect economic benefits from this project in the long term, e.g.		7.5	2.5	Little or no long term economic development benefits	Significant competitive	
4.2	employment creation, investment generation, increase in land/property prices, reduction in citizens'			5	Additional investment in the area and increased wealth for citizens	advantage to industry and boost to the local economy	7.5
	expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease	of Implementation						
5.1	Has land been acquired for the project		10	10	Yes	Yes	10
5.1	(If required)?		10	0	No	163	10
	Has funding been secured/allocated			5	Yes		
5.2	within the Local Government budget or whether the external sources of	30	5	0		Yes	5
	funding have been secured?	-			No	-	
5.3			5	1	Difficult	Easy	5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
	Will the project get approval from			2.5	Standard				
	higher levels of Government?			5	Easy				
	Face of implementation of project in			1	Difficult				
5.4	5.4 Ease of implementation of project in respect of technical design?		5	3	Standard	Easy	5		
				5	Easy				
				0	Outside expertise needed for constructio				
				0	n, O&M				
	Is there a capable system in place to			1	Outside expertise needed for constructio	Outside expertise needed for			
5.5	implement and operate this project or		5	-	n phase only	construction phase only	1		
	is external support needed?			3	Outside expertise needed for preparatio	construction phase only			
			5	n phase i.e. feasibility studies					
				5	No outside expertise needed				
Total A	Total Achieved Score								

02-09-04-01-09

**Project Description :** 

Fixing Roads and Street Signs in Jhang City

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Proje	ect Purpose & Service Delivery Improvem	ent					
	Dees the preject fills gap in a wider			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5
	system of service delivery:			10	Significant contribution		
				0	No contribution.		
	Whether the project will contribute to			2.5	Indirect contribution.	Major contribution to key	
1.2	Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	development goal.	10
		50		10	Major contribution to key development goal.	development godi.	
	Whether the deference/ delay of the			0	No consequences	Minor consequences	
1.3	project is going to affect citizens'		10	2.5	Minor consequences		2.5
1.5	health, safety, property, prosperity			7.5	Major future consequences		2.5
	etc.?			10	Major immediate consequences		
2. Publi	c Response			-			
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Less than 10%	1
				7.5	Greater than 20%		
	Is there support or opposition for the			0	Majority opposition		
	project from NGO's, community	15		1	Minority opposition		
2.2	groups,	ups,	5	5	Majority support	Majority support	5
	network, media or business organizations?			2.5	Minority support		
2.3	Is there support or opposition from	2.5	0	Majority opposition		2.5	
2.3	residents in the immediate vicinity of		2.5	0.5	Minority opposition	Majority support	2.5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	the			2.5	Majority support		
	new facility?			1.5	Minority support		
3. Envir	ronmental Impact						
	The impact of the proposed project on the quality of local environment (e.g.			0	Negative effects on quality of the local e nvironment	Desitive offects on the quality	
3.1	Air quality, Water pollution, Waste	10	10	5	Neutral	Positive effects on the quality of the local environment	10
	reduction, etc.			10	Positive effects on the quality of the loca I environment		
4. Socio	o-Economic Impact						
				0	No direct revenue		
4.1	Will the project bring in direct		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	Revenue exceeds O&M costs	7.5
	revenue?			5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
		15		0	Negative impact on the local economy		
	Are there indirect economic benefits from this project in the long term, e.g.		7.5	2.5	Little or no long term economic development benefits	Significant competitive	
4.2	employment creation, investment generation, increase in land/property prices, reduction in citizens'			5	Additional investment in the area and increased wealth for citizens	advantage to industry and boost to the local economy	7.5
	expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease	of Implementation						
5.1	Has land been acquired for the project		10	10	Yes	Yes	10
5.1	(If required)?		10	0	No	163	10
	Has funding been secured/allocated			5	Yes		
5.2	within the Local Government budget or whether the external sources of	30	5	0		Yes	5
	funding have been secured?				No		
5.3			5	1	Difficult	Easy	5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
	Will the project get approval from			2.5	Standard				
	higher levels of Government?			5	Easy				
	Face of implementation of project in			1	Difficult				
5.4	5.4 Ease of implementation of project in respect of technical design?		5	3	Standard	Easy	5		
				5	Easy				
				0	Outside expertise needed for constructio				
				0	n, O&M				
	Is there a capable system in place to			1	Outside expertise needed for constructio	Outside expertise needed for			
5.5	implement and operate this project or		5	-	n phase only	construction phase only	1		
	is external support needed?			3	Outside expertise needed for preparatio	construction phase only			
			5	n phase i.e. feasibility studies					
				5	No outside expertise needed				
Total A	Total Achieved Score								

# 02-09-04-01-10

**Project Description :** 

Rehabilitation of 5 Nos Green Belts in Jhang city

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
1. Proje	ect Purpose & Service Delivery Improvem	ent						
	Dees the preject fills gap in a wider			2.5	Minor contribution			
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5	
	system of service delivery!			10	Significant contribution			
				0	No contribution.			
	Whether the project will contribute to			2.5	Indirect contribution.	Major contribution to key		
1.2		30	10	7.5	Minor direct contribution	development goal.	10	
	Sectoral Plan / City Master Plan?		30		10	Major contribution to key development goal.		
	Whether the deference/ delay of the	ns'		0	No consequences	Minor concoquences		
1.3	project is going to affect citizens'		10 2.5	2.5	Minor consequences		2.5	
1.5	health, safety, property, prosperity			10	7.5	Major future consequences	Minor consequences	2.5
	etc.?			10	Major immediate consequences			
2. Publi	ic Response							
				1	Less than 10%			
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Less than 10%	1	
				7.5	Greater than 20%			
	Is there support or opposition for the			0	Majority opposition			
	project from NGO's, community	15		1	Minority opposition			
2.2	groups,		5	5	Majority support	Majority support	5	
	network, media or business organizations?			2.5	Minority support			
2.3			2.5	0	Majority opposition	Majority support	2.5	

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or opposition from			0.5	Minority opposition		
	residents in the immediate vicinity of			2.5	Majority support		
	the new facility?			1.5	Minority support		
3. Envir	onmental Impact						
	The impact of the proposed project on			0	Negative effects on quality of the local e nvironment		
3.1	the quality of local environment (e.g. Air quality, Water pollution, Waste	10	10	5	Neutral	Positive effects on the quality of the local environment	10
	reduction, etc.			10	Positive effects on the quality of the loca I environment		
4. Socio	-Economic Impact						
				0	No direct revenue		
4.1	Will the project bring in direct revenue?		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	Revenue exceeds O&M costs	7.5
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
		15		0	Negative impact on the local economy		
	Are there indirect economic benefits from this project in the long term, e.g.	15		2.5	Little or no long term economic development benefits	Significant competitive	
4.2	employment creation, investment generation, increase in land/property		7.5	5	Additional investment in the area and increased wealth for citizens	advantage to industry and boost to the local economy	7.5
	prices, reduction in citizens' expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease	of Implementation						
5.1	Has land been acquired for the project		10	10	Yes	Yes	10
J.1	(If required)?		10	0	No	105	10
	Has funding been secured/allocated	30		5	Yes		
5.2	within the Local Government budget or whether the external sources of	30	5	0		Yes	5
	funding have been secured?				No		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Will the president and expressed from			1	Difficult		
5.3	Will the project get approval from higher levels of Government?		5	2.5	Standard	Easy	5
	nigher levels of Government!			5	Easy		
				1	Difficult		
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Easy	5
				5	Easy		
				0	Outside expertise needed for constructio		
				0	n, O&M		
	Is there a capable system in place to			1	Outside expertise needed for constructio	Outside expertise needed for construction phase only	1
5.5	implement and operate this project or		5	-	n phase only		
	is external support needed?			3	Outside expertise needed for preparatio	construction phase only	
				n phase	n phase i.e. feasibility studies		
				5	No outside expertise needed		
Total A	chieved Score						79.5

# Annexure D. Environmental and Social Considerations in IDAMP<sup>3</sup>

### Section 1: Policy, Legal and Administrative Framework

This section provides an overview of the policy framework and national legislation that applies to the proposed project. The project is expected to comply with all national/provincial legislation regulations, EPA guidelines, World Bank Operational Policies and guidelines which are relevant and applicable to the sub-project.

#### 1.1. Punjab Environment Protection Act 1997 (Amended 2012 & 2017)

Under Section 12 (and subsequent amendment in 2012 and then in 2017) of the PEPA (1997):

"a project falling under any category specified in Schedule I of the IEE/EIA Regulations 2022 requires the proponent of the project to file an IEE with the concerned provincial EPA while projects falling under any category specified in Schedule II require the proponent to file an EIA with the provincial agency, which is responsible for its review and accordance of approval or request any additional information deemed necessary"

In compliance of local legal framework, development of IEE/EIA reports and subsequent approval from the competent forums shall be mandatory for all new infrastructure projects.

### **Regulatory Clearances, Punjab EPA**

In accordance with provincial regulatory requirements, an IEE/EIA satisfying the requirements of the Punjab Environmental Protection Act (amended 2012&2017) will be marked cleared by Punjab-EPA and No Objection Certificate (NOC) will be issued for it. MCs will ensure to obtain NOCs/approval from the competent forums before the execution of new infrastructure development projects.

<sup>&</sup>lt;sup>3</sup> The Environmental & Social Considerations have been provided by the Environment & Social Management (E&SM) team of PMDFC.

#### **1.2.** Guidelines for Environmental Assessment, Pakistan EPA

The Pak-EPA has published a set of environmental guidelines for conducting environmental assessments and the environmental management of different types of development projects. The guidelines that are relevant to the proposed projects are listed below:

- Guidelines for the Preparation and Review of Environmental Reports, Pakistan, EPA 1997.
- Guidelines for Public Consultations; Pakistan EPA May 1997

These guidelines have been adopted by the Punjab Environment Protection Agency after 18<sup>th</sup> amendment.

## **1.3.** Punjab Environmental Quality Standards (PEQS)

The Punjab Environmental Quality Standards (PEQS), 2016 specify the following standards:

- 1. Punjab Environment Quality Standards for Drinking Water, 2016
- 2. Punjab Environment Quality Standards for Ambient Air, 2016
- 3. Punjab Environment Quality Standards for Noise, 2016
- 4. Punjab Environment Quality Standards for Municipal and Liquid Industrial Effluents, 2016

32 parameters of PEQSs for drinking water shall be applicable to all water supply schemes/ projects/ subprojects (rehabilitation and new). PEQSs for ambient air shall be applicable during rehabilitation or new construction of infrastructure development projects to analyze the emissions that may emerge from construction work machinery/equipment's. PEQSs for noise shall also be applicable during rehabilitation or new constructure development projects to analyze the emissions that may emerge from construction work machinery/equipment. PEQSs for municipal and liquid waste shall be applicable to determine the quality of municipal wastewater where wastewater is to be treated.

# 1.4. Other Environment Related Legislations:

Sr. #	Act	Description	Applicability to sub-project
1.	Punjab Environment Protection Act, 1997 (as amended up to 2017)	The Act establishes the Environmental Protection Agency that deals with the preparation of national environmental policies, prepare & publish national environment report, ensure the enforcement of National Environmental Quality Standards, establishment of ambient air, water and land quality standards, measures to control environmental pollution. Additionally, under this Act, no proponent of a project shall commence construction or operation unless he has filed with the Provincial Agency an initial environmental examination or, where the project is likely to cause an adverse environmental effect, an Environmental Impact Assessment (EIA/ESIA), and has obtained from the approval in respect thereof.	Section 11,12,13 and 14 of PEPA, 2012 shall be applicable to all the new infrastructure projects.
2.	Punjab Environment Protection Review of IEE/EIA Regulations 2022	Provided that the proponent shall file an Initial Environmental Examination or Environmental Impact Assessment, if the project is likely to cause an adverse environmental impact	<ul> <li>These regulations have two schedules I &amp; II. As per schedule I the subprojects require submission of IEE report have to be prepared and as per schedule II the EIA of Subproject will be carried out.</li> </ul>

Sr. #	Act	Description		Applicability	to sub-project
			The se	ctor wise screeni	ng of MCs subprojects as per
			Punja	ab Environment p	protection review of IEE/EIA
			re	egulations 2000 a	re given below in Table.
			Schedule	Sector	Clause
			Schedule I	Stormwater Drainage	F. Water management, dams, irrigation and flood
					protection 1. Small Dams and reservoirs 2. Irrigation and drainage
					projects
				Water supply	G. Water Supply and Treatment
					Water supply schemes and treatment plants with total cost less than Rs. 50 million
				Parks	I. Urban development and
					tourism
					5. Urban development projects
				Waste	H. Waste disposal Non-hazardous scrap yard / warehouse
			Schedule II	Water supply, Sewerage	F. Water supply, Sewerage System and treatment
				System and treatment	Water supply schemes and treatment plants

Sr. #	Act	Description	Applicability to sub-project
			(excluding the Reverse Osmosis, Ultra filtration and such like) with total cost more than Rs. 50 million2. Wastewater channels / Sewerage System Schemes 3. Combined Wastewater Treatment Plants with treatment capacity greater than 100m3/hrWaste Storage and DisposalG. Waste Storage and Disposal 1. Landfill sites 2. Waste Incinerators and autoclaves 3. Hazardous substance or waste storage warehouse
3.	Delegations of power for Environment Approvals	According to these rules the powers of environmental approval are delegated to commissioner for specific types	<ul> <li>Under PCP the clause of h, n and o are applicable.</li> <li>clause h Construction of roads fallings within the jurisdiction of a district, expecting highways,</li> </ul>
5.	Rule 2017	of projects	expressways and motorways
			Clause o solid waste management excepting landfills

Sr. #	Act	Description	Applicability to sub-project
			Clause p water supply schemes /water purifications     plants costing upto Rs. 20,000/-
4.	Notification No. SOG/ EPD/5-86/2019 delegation of powers to Deputy Commissioner	According to this notification the powers of environmental approval are delegated to deputy commissioner for specific types of projects	Under PCP clause g is applicable Bus and Wagon stands od category C with area upto 8 kanal.
3.	Pakistan Penal Code, 1860	The Code deals with the offences where public or private property or human lives are affected due to intentional or accidental misconduct of an individual or organization. The Code also addresses control of noise, noxious emissions and disposal of effluents.	The provisions of the Penal Code, 1860 are applicable to the project in terms of penalties for effecting human lives and public property. It also addresses the control of noise, air emissions and effluent disposal.
4.	Motor Vehicle Rules, 1969	It defines powers and responsibilities of Motor Vehicle Examiners (MVEs). The establishment of MVE inspection system is one of the regulatory measures that can be taken to tackle the ambient air quality problems associated with the vehicular emissions during operation phase.	This act is applicable to the gaseous emission that will be released from the vehicles in operation phase at machinery used during construction phase of this subproject.
5.	The Land Acquisition Act, 1894	The Land Acquisition Act, 1894, is a "law for the acquisition of land needed for public purposes and for	This act will not be triggered as no land acquisition is required.

Sr. #	Act	Description	Applicability to sub-project
		companies and for determining the amount of compensation to be paid on account of such acquisition".	
6.	The Punjab Land Acquisition Rules, 1983,	It describes the land acquisition procedure for public purposes or for a company.	This act will be triggered as wherever land to be acquired for subproject. Such as in Swerage project, Construction of Wastewater treatment plants, installation of new tube wells etc.
7.	Pakistan Antiquities Act 1975 and Punjab Antiquities Amendment Act 2012	<ul> <li>The Punjab Antiquities Amendment Act, 2012 is adopted from the Pakistan Antiquities Act of 1975 with a few minor changes. The Antiquities Act, 1975 (amended in 1990) states the following: <ul> <li>"Ancient" is any object that is at least 75 years old;</li> <li>All accidental discoveries of artifacts must be reported to the Federal Department of Archaeology;</li> <li>The Government is the owner of all buried antiquities discovered on any site, whether protected or otherwise;</li> <li>All new construction within a distance of 200 feet from protected antiquities is forbidden;</li> </ul> </li> </ul>	The law will be applicable to the project due to its provision that if any accidental archaeological discoveries may occur during the excavation works for the construction of sub-projects.

Sr. #	Act	Description	Applicability to sub-project
8.	Punjab Restriction of Employment of Children Act, 2016	<ul> <li>No changes or repairs can be made to a protected monument, even if it is owned privately, without approval of the responsible authorities; and</li> <li>The cultural heritage laws of Pakistan are uniformly applicable to all categories of sites regardless of their state of preservation and classification as monuments of national or world heritage.</li> <li>According to the sub-section 11(a) of this Act, an occupier who employs or permits a child (person under the age of 15 years) to work in an establishment shall be liable to punishment with imprisonment for a term which may extend to six months, but which shall not be less than seven days, and a mandatory fine between 10,000 and 50,000 rupees.</li> </ul>	The relevance of this act to the project will be to prohibit child employment for construction related activities of the proposed sub- project and it will be applicable throughout the construction activities related to subprojects.
9.	The Punjab Occupational Safety and Health Act, 2019	The Punjab Occupational Safety and Health Act, 2019 (IV of 2019) An Act to provide for occupational safety and health at workplace. It is necessary to make and consolidate the law for the occupational safety and health of the persons at workplace and to protect them against risks arising out of	The Punjab Occupational Safety and Health Act, 2019 relevant sections to the proposed projects are: 8. Safety and Health, 10. Consultation 13. Notification and investigation of accidents, dangerous occurrences and occupational illness.

Sr. #	Act	Description	Applicability to sub-project
		the occupational hazards; to promote safe and healthy working environment catering to the physiological and psychological needs of the employees at workplace and to provide for matters connected therewith or ancillary	Adopting this Act, PMDFC has developed SOPs for health and safety of the labor (including women workers) and communities which will be applicable for all the infrastructure related activities of new or rehabilitation
		thereto.	subprojects.
10	National Hazardous Waste Management Policy, 2022	A policy to facilitate the implementation of international treaties & Conventions on a national level to improve the definition & implementation of Hazardous Waste Management (HWM) for better environmental management, clarify institutional responsibilities related to HWM, and strengthen the management of hazardous & other wastes.	Policy measures shall be applicable whereas there is any risk of usage or generation of hazardous waste.
11	Protection Against Harassment of Women at the Workplace (Amended) Act, 2014	In this act major and minor penalties are mentioned.	This act is applicable for all the employees of MCs, LG&CDD and women labor (if involved for infrastructure development activities)
12	Punjab Labor Policy, 2018	Punjab Labor Policy, 2018 presents a policy document which directly addresses the child labor, bonded labor, gender discrimination, gender mainstreaming, labor protection, out of school children and lack of health	This act is applicable for all the employees of MCs, LG&CDD and women labor (if involved for infrastructure development activities)

Sr. #	Act	Description	Applicability to sub-project
		facilities for the workers etc. Labor Policy of 2018	
		incorporates the key thematic areas regarding effective	
		implementation of labor standards, social dialogue,	
		improvements in workplace safety, living wages,	
		awareness raising, excellence in labor inspections regime,	
		imparting quality technical trainings through well-	
		improved Training Centers, simplification of labor laws,	
		medical facilities for secured workers even after	
		retirement, establishment of labor colonies and schools	
		for workers' children, improvement in the wage fixation	
		process and strengthening the role of Punjab Minimum	
		Wages Board, efficient disbursement of welfare grants	
		and gradual extension of labor protection frame-work.	
		As per PLGA 2019 Functions of a Metropolitan	
		Corporation, Municipal Corporation and Municipal	
	Punjab Local	Committee:	
13	Government Act, 2019	Part I	All the related clauses of this Act shall be applicable for
15		(g) Solid waste collection and disposal;	MCs.
		(h) Sewerage collection and disposal including water	
		management and treatment;	
		(i) Building control and land use;	

Sr. #	Act	Description	Applicability to sub-project
		(j) Births, deaths, marriages and divorce registration;	
		(k) Museums and art galleries;	
		(I) Open markets;	
		(m) Livestock and agriculture markets;	
		(n) Public parking facilities;	
		(o) City roads and traffic management;	
		(p) Public transport;	
		(q) Abstraction of water for industrial and commercial	
		purposes;	
		(r) Emergency planning and relief;	
		(s) Support to provincial agencies in prevention of crime	
		and maintenance of public order; and	
		(t) Regulatory enforcement in the functions assigned	
		under Part 1 and 2 of this Schedule;	
		Part 2	
		(u) Establishment and management of pre-schools;	
		(v) Libraries;	
		(w) Drinking water supply;	
		(x) Public convenances;	
		(z) Children's services;	
		(aa) Community safety;	

Sr. #	Act	Description	Applicability to sub-project
		(bb) Arts and recreation;	
		(cc) Public fairs and ceremonies;	
		(dd) Sports;	
		(ee) Environmental health, awareness and services;	
		(ff) Parks and landscape development;	
		(gg) Slaughtering of animals;	
		(hh) Street lights; and	
		(ii) Sign boards and street advertisements.	
		Guidelines for preparation and Review of Environmental	
		Reports were issued by Pak EPA in 1997 under Pakistan	
	Guidelines for	Environment Protection Act, 1997 and are adopted by	
	Preparation and Review	Punjab Environment protection Agency after 18 <sup>th</sup>	These guidelines shall be applicable during preparation
14	of Environment Reports,	Amendment. These guidelines describe the steps in IEE	and review of IEEs/EIAs of new infrastructure
	1997	Preparation, format of IEE Reports, assessing impacts,	development projects.
		mitigation and impact management, reporting, reviewing	
		and decision making, monitoring and auditing and project	
		management.	
	Guidelines for Public	These guidelines address possible approaches to public	Public consultation and citizens engagement is mandatory
15	Consultation, 1997	consultation and techniques for designing an effective	at projects planning and design phase and these
		program of consultation that reaches all major	guidelines shall be applicable for public consultation.

Sr. #	Act	Description	Applicability to sub-project
		stakeholders and ensures the incorporation of their	
		concerns in any impact assessment study. The guidelines	
		cover consultation, involvement, and participation of	
		stakeholders; effective public consultation (planning,	
		stages of an EIA where consultation is appropriate); and	
		facilitation of involvement (including the poor, women,	
		and NGOs).	
		These guidelines give details about disclosure of	
		environmental information. These guidelines have 2	
		parts:	
	Guidelines for Regulation of Disclosure of	First part deals with Public Disclosure instructions	These guidelines will be applicable for public disclosure of
16	Environmental	regarding arrangement of public disclosure of	environment related information of IEEs/EIAs or any other
10	Information & Citizen	environment information and maintenance of record in	interventions that may cause any harm to the
	Engagement 2020	indexed form	environment.
	Eligagement 2020	Second part is regarding Citizen Engagement, and it gives	
		detailed information regarding citizen engagement and	
		Grievance redress mechanism.	
	Canal and Drainage Act	The CDA focuses on construction and maintenance of	This act shall be applicable for all the subprojects of MCs
17	1873 and Amendment	drainage channels and defines powers to prohibit	where untreated wastewater is being dispose off to the
	Act 2016	obstruction or order their removal. It also covers issues	irrigation canals.

Sr. #	Act	Description	Applicability to sub-project
		related to canal navigation. It briefly addresses issues	
		relating to environmental pollution.	
		Section 70(5) of the CDA clearly states that no one is	
		allowed to "corrupt or foul the water of any canal so as to	
		render it less fit for the purposes for which it is ordinarily	
		used."	
		In addition, Section 73 of the CDA gives power to arrest	
		without warrant or to be taken before the magistrate a	
		person who has willfully damaged or obstructed the canal	
		or "rendered it less useful."	
		The Act requires the protection of wildlife species	This act shall be applicable in case any harm to wildlife is
	Punjab Wildlife	declared as endangered/threatened and rare. It gives	assessed at the stage of early screening or if there is any
18	Protection, Conservation	protection to these species by declaring their natural	potential risk identified to the wildlife during or after
10	and Management Act,	living environment as protected and reserved, which	execution of the subprojects/projects related to
	1974	includes areas such as national parks, wildlife sanctuaries,	infrastructure development and municipal service
		and game reserves.	delivery.
	Guidelines and Checklists	Punjab EPA has also designed the following	Checklists for IEE and EIA shall be applicable to all the new
19	adopted by GOP after 18th Amendment	Guidelines/Checklists for IEE/EIA Projects:	infrastructure development projects.
19		Check List for IEE (updated September 2020)	Following Guidelines shall be applicable for MC's
		Check List for EIA (updated September 2020)	municipal service delivery projects:

Sr. #	Act	Description	Applicability to sub-project
		After 18 <sup>th</sup> Amendment, Punjab EPA has adopted the	✓ Urban Roads
		following sectoral Guidelines that were prepared by	✓ Water Supply
		other provinces and were earlier adopted by Pak EPA:	✓ Sanitation Schemes
		✓ Poultry Farms	✓ Major Sewerage Schemes
		✓ Urban Roads	
		✓ Rural Schools	
		✓ Housing Schemes	
		✓ Petrol & CNG	
		✓ Forest Road	
		✓ Forest Harvesting	
		✓ Water Supply	
		✓ Tourist Facilities	
		✓ Sanitation Schemes	
		✓ Major Chemicals and Manufacturing Plants	
		✓ Flour Mills	
		✓ Carpet Manufacturing	
		✓ Housing Estates and New Town Development	
		✓ Industrial Estate	
		✓ Major Roads	
		✓ Major Sewerage Schemes	
		✓ Stone Crushers	

Sr. #	Act	Description	Applicability to sub-project
		✓ Marble Units	
		✓ Oil & Gas Exploration	

# Section 2: Environmental & Social Categorization

### 2.1. Environmental Screening and Categorization of Sub-Projects

Based upon the Screening Checklists, following table will be used to for environmental screening of the identified sub-projects/projects and further documentation requirements. This classification is preliminary and will be finalized when the exact locations and scale of the sub-projects are identified, and screening checklist will be filled in for each of the sub-project/project.

Sr. #	Project Categories	Type of Sub-projects	Nature of Environmental Issues	Env. Category	Social Category	Instruments Required
			Waste Manageme			
	Solid Waste	Collection Equipment, Collection Bins	Negligible environmental impacts	E3	\$3	Applicability of PMDFC EHS SOPs for SWM Machinery/Equipment
	Liquid Waste	Sludge ponds	May have some negative but localized environmental and social impacts	E2	S2	ESMP
1.		Community septic tanks	May have some negative but localized environmental and social impacts	E2	S2	ESMP
		Vacuum Trucks, Vacuum Handcarts and others	Negligible environmental impacts	E3	S3	NA
		Construction of Waste Water Treatment Plants	May have significant environmental impacts	E1	S2/S1	IEE/EIA as per nature of impacts and Schedule I and II of PEPA Review of IEE/EIA Regulations 2022.

Sr. #	Project Categories	Type of Sub-projects	Nature of Environmental Issues	Env. Category	Social Category	Instruments Required
2.			Water Supply			
		Water supply pumps / tube wells	May have negligible environmental impacts	E3	S3	NA
		Overhead reservoirs (OHRs)	May have negligible environmental impacts	E2	S2	ESMP
		Water Supply distribution network	May have some negative to significant environmental and social impacts depending upon the scope of work	E1 or E2	S1 or S2	ESMP for repair and maintenance of existing network or IEE/EIA for new sub-projects as per scope of work and environmental impacts and categorization given in Schedule I and II of PEPA Review of IEE/EIA Regulations 2000
3.		1	Storm Water Drain	age		
	Urban drainage Open Drainage Covered Drains	System	May have some negative to significant environmental and social impacts depending upon the scope of work	E1 or E2	S1 or S2	ESMP for repair and maintenance of existing systems or IEE/EIA for new sub-projects as per scope of work and environmental impacts and categorization given in Schedule I and II of PEPA Review of IEE/EIA Regulations 2000
	Flood control systems		May have some negative to significant environmental and social impacts depending upon the scope of work	E1 or E2	52	ESMP for repair and maintenance of existing system or IEE/EIA for new sub-project as per scope of work and environmental impacts

Sr. #	Project Categories	Type of Sub-projects	Nature of Environmental Issues	Env. Category	Social Category	Instruments Required
						and categorization given in Schedule I and II
						of PEPA Review of IEE/EIA Regulations 2000
4.			Connectivity		1	
	Rehabilitation a roads <sup>4</sup>	nd maintenance of urban	May have some negative but localized environmental and social impacts	E2	S2S	ESMP
	Pedestrian walk	ways, Bicycle paths	May have negligible environmental impacts	E2	S2	ESMP
	Streets and secu	urity lights, and road signs	May have negligible environmental impacts	E3	S3	NA
	Construction of	Bus Workshops	May have some negative but localized environmental and social impacts	E2	S2	ESMP
	Rehabilitation o	f Bus Stands/Terminals⁵	May have negligible environmental impacts	E2	E2	ESMP
5.			Social and Livability Infra	structure	1	1
	Urban greenery	and public spaces	May have negligible environmental impacts	E2	S2	ESMP
	Construction of	Community Parks <sup>6</sup>	May have some negative but localized environmental and social impacts	E2/E1	S2/S1	ESMP/IEE/EIA
	Rehabilitation Community Par	-	May have negligible environmental impacts	E2	S2	ESMP

<sup>4</sup> After 18<sup>th</sup> Amendment, Punjab EPA has adopted the Checklists/Guidelines adopted by the Pakistan EPA (as it is). Punjab EPA has adopted Checklists/Guidelines developed by KPK and Balochistan for Small to medium water supply schemes, sanitation schemes, small and medium sized road construction and expansion in urban areas and construction and expansion of bus terminals. These Checklists/Guidelines will be used for the mentioned subprojects of PCP adopted by Punjab EPA

<sup>5</sup> According to a notification by Punjab EPA vide No. Dir (EIA)/01/2017 dated 29-05-2017, Bus and Wagon stands of Category C with area upto 8 kanals, are exempted from IEE/EIA 6 Parks will be constructed on already allocated lands (for community parks) by Local Government

# Section 3: Budget Allocation

To carryout Environmental Assessment as per ESMF-PCP and PEPA, there is need to allocate budget in PC-I.

The IEE/EIA/ESMPs of each sub-project will be included in the bidding documents and the contracts. In this manner, the social and environmental management instruments will be included in the overall scope of works/services and BOQs, and the contractor will implement the mitigation measures included in the contracts alongside other works/services.

Activity	Budget Allocation (PKR)					
Environmental Impact Assessment (EIA)						
Hiring of Environmental Consultant	100,0000-15,0000					
Implementation of EIA	100,0000					
EIA Submission fee	30,000					
Initial Environmental Examination (IEE)						
Hiring of Environmental Consultant	500,000-800,000					
Implementation of IEE	500,000- 700,000					
IEE Submission fee	15, 000					

### **Section 4: Monitoring & Supervision**

Environment Focal Person (EFP) and Social Focal Point (SFP) and MCs of their respective region to monitor the contractor to ensure complete and proper implementation of the works/services in accordance with the contract. During this phase, environmental and social monitoring will be carried out to ensure that the mitigation measures given in the IEE/EIA/ESMPs are effectively implemented. The environmental and social monitoring will include the following:

- Environmental and social monitoring to ensure effective implementation of ESMPs and EMPs particularly the mitigation measures included in these
  documents.
- The monitoring will be conducted with the help of checklists prepared on the basis of the mitigation plans included in environmental and social management instruments.
- Laboratory analysis will be conducted if specified in the ESMPs.
- Photographic records will be maintained where applicable/useful.
- Preparation of monitoring reports.

## Annexure E. Project Appraisal

#### Projects Appraisal

Project ID: 02-09-02-02-02

Project Description : Improvement of Sewerage System in Jhang City and Construction of Waste Water Treatment Plant (WWTP)

Sr. No.		Description	Unit	Value	Remarks
1	Net Present Value (NPV)	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%	Rs.	2,113	
2	Financial Internal Rate of Return (FIRR)	FIRR	%	31%	
3	Benefit Cost Ratio (BCR) BCR= Total Benefits ÷ Total Costs		Ratio	9.78	
4	Payback Period	PBP= Capital costs ÷ Annual Net Benefits	Years	6.50	

			Costs			Ben	efits			PV @ %	22.32
Year No.	Year	Capital Cost	O&M Cost	Total Cost	Cost saving to society	Direct Revenue	Cost Savings/ Reduction	Total Benefits	Net (Cost)/ Benefits	Discount Factor	PV
		A	В	C=A+B	D	E	F	G=D+E+F	H=G-C	l=(1.22.32)^n	J=Hxl
0	2023-2024	852.61		853				-	(853)	1	(853)
1	2024-2025	852.61		853				-	(853)	0.82	(697)
2	2025-2026	852.61		853				-	(853)	0.67	(570)
3	2026-2027		50.27	50	562.72	27.20		590	540	0.55	295
4	2027-2028		58.37	58	653.44	31.58		685	627	0.45	280
5	2028-2029		67.78	68	758.77	36.68		795	728	0.37	266
6	2029-2030		78.71	79	881.08	42.59		924	845	0.30	252
7	2030-2031		91.40	91	1,023.11	49.45		1,073	981	0.24	239
8	2031-2032		106.13	106	1,188.04	57.42		1,245	1,139	0.20	227
9	2032-2033		123.24	123	1,379.55	66.68		1,446	1,323	0.16	216
10	2033-2034		143.11	143	1,601.94	77.43		1,679	1,536	0.13	205
11	2034-2035		166.17	166	1,860.17	89.91		1,950	1,784	0.11	194
12	2035-2036		192.96	193	2,160.03	104.41		2,264	2,071	0.09	185
13	2036-2037		224.07	224	2,508.22	121.24		2,629	2,405	0.07	175
14	2037-2038		260.19	260	2,912.55	140.78		3,053	2,793	0.06	166
15	2038-2039		302.13	302	3,382.05	163.47		3,546	3,243	0.05	158
16	2039-2040		350.83	351	3,927.24	189.82		4,117	3,766	0.04	150
17	2040-2041		407.39	407	4,560.31	220.42		4,781	4,373	0.03	142
18	2041-2042		473.06	473	5,295.43	255.96		5,551	5,078	0.03	135
19	2042-2043		549.31	549	6,149.06	297.22		6,446	5,897	0.02	128
20	2043-2044		637.86	638	7,140.28	345.13		7,485	6,848	0.02	122
21	2044-2045		740.69	741	8,291.30	400.76		8,692	7,951	0.01	116
22	2045-2046		860.09	860	9,627.86	465.37		10,093	9,233	0.01	110
23	2046-2047		998.73	999	11,179.87	540.38		11,720	10,722	0.01	104
24	2047-2048		1,159.73	1,160	12,982.06	627.49		13,610	12,450	0.01	99
25	2048-2049		1,346.68	1,347	15,074.77	728.64		15,803	14,457	0.01	94
26	2049-2050		1,563.76	1,564	17,504.82	846.10		18,351	16,787	0.01	89
27	2050-2051		1,815.84	1,816	20,326.60	982.49		21,309	19,493	0.00	85
٦	Total	2,558	12,769	15,326	142,931	6,909	-	149,840	134,514		2,113

#### Costs:

- 1 Capital cost of the Project incorporates both the initial one-off costs such as engineering cost, project construction cost, development cost, procurement cost of equipment, machinery & other assets, utility set up cost, and any other costs to be incurred during the construction period.
- 2 Operating and maintenance (O&M) cost shall be incurred during operational phases of the project. Operation and maintenance cost includes electricity and other utility cost, administrative expenses, maintenance cost, payroll cost and other overheads etc.
- 3 Inflation rate is taken for O&M costs @ 16.12%, which is average inflation of last 5 years.

#### **Benefits:**

- 4 Benefits include the potential saving for the society from investment in sanitation in the form of lower health costs, more productivity and fewer premature deaths. A WHO study in 2012 calculated that for every US\$ 1.00 invested in sanitation, there was a return of US\$ 5.50.
- 5 Direct revenue from the project is envisaged on the basis of PKR 1,580 per annum per connection.
- <sup>6</sup> Inflation rate is applied at cost savings and revenue @ 16.12%, which is average inflation of last 5 years.
- 7 Residual Value had been taken as nil.

#### Estimated Project Life:

8 The life estimates of assets are compiled after review of design criteria for MC assets and international best practices. The Life Estimates taken in IDAMP are as follow:

Asset	Useful Life				
Buildings/ Civil Works	25				
Tubewell Pumps	15				
Disposal Pumps	15				
OHR	50				
Water Pipelines	25				
Rising Mains/	25				
Transmission Mains					
Sewerage/ RCC Pipelines	25				
Vehicles	10				
Machinary & Equipment	15				

- <sup>9</sup> The discount rate used for computation of present value of cash flows is taken @ 22.32 % per anum, which is KIBOR prescribed by State Bank of Pakistan as at April 11, 2023.
- 10 Exchange rate is taken as 284.65 PKR/ USD as per Exchange Rates for Mark to Market Revaluation provided at State Bank of Pakistan at April 07, 2023.

Project ID: 02-09-01-06-01

Project Description : Construction of Underground Water Storage Tank

Sr. No.		Description	Unit	Value	Remarks
1	Net Present Value (NPV)	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%	Rs.	344	
2	Financial Internal Rate of Return (FIRR)	FIRR	%	38%	
3	Benefit Cost Ratio (BCR) BCR= Total Benefits ÷ Total Costs		Ratio	10.77	
4	Payback Period	PBP= Capital costs ÷ Annual Net Benefits	Years	6.50	

			Costs			Ben	efits			PV @ %	22.32
Year No.	Year	Capital Cost	O&M Cost	Total Cost	Cost saving to society	Direct Revenue	Cost Savings/ Reduction	Total Benefits	Net (Cost)/ Benefits	Discount Factor	PV
		А	В	C=A+B	D	E	F	G=D+E+F	H=G-C	l=(1.22.32)^n	J=Hxl
0	2023-2024	50.00		50				-	(50)	1	(50)
1	2024-2025	100.00		100				-	(100)	0.82	(82)
2	2025-2026	50.00	5.00	55				-	(55)	0.67	(37)
3	2026-2027		5.81	6	44.00	27.20		71	65	0.55	36
4	2027-2028		6.74	7	51.09	31.58		83	76	0.45	34
5	2028-2029		7.83	8	59.33	36.68		96	88	0.37	32
6	2029-2030		9.09	9	68.89	42.59		111	102	0.30	31
7	2030-2031		10.56	11	80.00	49.45		129	119	0.24	29
8	2031-2032		12.26	12	92.89	57.42		150	138	0.20	28
9	2032-2033		14.23	14	107.87	66.68		175	160	0.16	26
10	2033-2034		16.53	17	125.26	77.43		203	186	0.13	25
11	2034-2035		19.19	19	145.45	89.91		235	216	0.11	24
12	2035-2036		22.29	22	168.89	104.41		273	251	0.09	22
13	2036-2037		25.88	26	196.12	121.24		317	291	0.07	21
14	2037-2038		30.05	30	227.74	140.78		369	338	0.06	20
15	2038-2039		34.89	35	264.45	163.47		428	393	0.05	19
16	2039-2040		40.52	41	307.07	189.82		497	456	0.04	18
17	2040-2041		47.05	47	356.58	220.42		577	530	0.03	17
18	2041-2042		54.64	55	414.06	255.96		670	615	0.03	16
19	2042-2043		63.44	63	480.80	297.22		778	715	0.02	16
20	2043-2044		73.67	74	558.31	345.13		903	830	0.02	15
21	2044-2045		85.55	86	648.30	400.76		1,049	964	0.01	14
22	2045-2046		99.34	99	752.81	465.37		1,218	1,119	0.01	13
23	2046-2047		115.35	115	874.16	540.38		1,415	1,299	0.01	13
24	2047-2048		133.94	134	1,015.08	627.49		1,643	1,509	0.01	12
25	2048-2049		155.54	156	1,178.71	728.64		1,907	1,752	0.01	11
26	2049-2050		180.61	181	1,368.72	846.10		2,215	2,034	0.01	11
27	2050-2051		209.72	210	1,589.36	982.49		2,572	2,362	0.00	10
1	Fotal	200	1,480	1,680	11,176	6,909	-	18,085	16,405		344

#### Costs:

- 1 Capital cost of the Project incorporates both the initial one-off costs such as engineering cost, project construction cost, development cost, procurement cost of equipment, machinery & other assets, utility set up cost, and any other costs to be incurred during the construction period.
- 2 Operating and maintenance (O&M) cost shall be incurred during operational phases of the project. Operation and maintenance cost includes electricity and other utility cost, administrative expenses, maintenance cost, payroll cost and other overheads etc.
- 3 Inflation rate is taken for O&M costs @ 16.12%, which is average inflation of last 5 years.

#### **Benefits:**

- 4 Benefits include the potential saving for the society from investment in sanitation in the form of lower health costs, more productivity and fewer premature deaths. A WHO study in 2012 calculated that for every US\$ 1.00 invested in sanitation, there was a return of US\$ 5.50.
- 5 Direct revenue from the project is envisaged on the basis of PKR 1,580 per annum per connection.
- <sup>6</sup> Inflation rate is applied at cost savings and revenue @ 16.12%, which is average inflation of last 5 years.
- 7 Residual Value had been taken as nil.

#### Estimated Project Life:

8 The life estimates of assets are compiled after review of design criteria for MC assets and international best practices. The Life Estimates taken in IDAMP are as follow:

Asset	Useful Life				
Buildings/ Civil Works	25				
Tubewell Pumps	15				
Disposal Pumps	15				
OHR	50				
Water Pipelines	25				
Rising Mains/	25				
Transmission Mains					
Sewerage/ RCC Pipelines	25				
Vehicles	10				
Machinary & Equipment	15				

- <sup>9</sup> The discount rate used for computation of present value of cash flows is taken @ 22.32 % per anum, which is KIBOR prescribed by State Bank of Pakistan as at April 11, 2023.
- 10 Exchange rate is taken as 284.65 PKR/ USD as per Exchange Rates for Mark to Market Revaluation provided at State Bank of Pakistan at April 07, 2023.

Project ID: 02-09-06-01-01

Project Description : Solarization of the municipal buildings

Sr. No.		Description	Unit	Value	Remarks
1	Net Present Value (NPV)	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%	Rs.	246	
2	Financial Internal Rate of Return (FIRR)	FIRR	%	49%	
3	Benefit Cost Ratio (BCR) BCR= Total Benefits ÷ Total Costs		Ratio	64.55	
4	Payback Period	PBP= Capital costs ÷ Annual Net Benefits	Years	6.50	

			Costs			Ben	efits			PV @ %	22.32
Year No.	Year	Capital Cost	O&M Cost	Total Cost	Cost saving to society	Direct Revenue	Cost Savings/ Reduction	Total Benefits	Net (Cost)/ Benefits	Discount Factor	PV
		A	В	C=A+B	D	E	F	G=D+E+F	H=G-C	l=(1.22.32)^n	J=Hxl
0	2023-2024	50.00	0.25	50				-	(50)	1	(50)
1	2024-2025		0.29	0				-	(0)		(0)
2	2025-2026		0.34	0				-	(0)	0.67	(0)
3	2026-2027		0.39	0	11.00	27.20		38	38	0.55	21
4	2027-2028		0.45	0	12.77	31.58		44	44	0.45	20
5	2028-2029		0.53	1	14.83	36.68		52	51	0.37	19
6	2029-2030		0.61	1	17.22	42.59		60	59	0.30	18
7	2030-2031		0.71	1	20.00	49.45		69	69	0.24	17
8	2031-2032		0.83	1	23.22	57.42		81	80	0.20	16
9	2032-2033		0.96	1	26.97	66.68		94	93	0.16	15
10	2033-2034		1.11	1	31.31	77.43		109	108	0.13	14
11	2034-2035		1.29	1	36.36	89.91		126	125	0.11	14
12	2035-2036		1.50	2	42.22	104.41		147	145	0.09	13
13	2036-2037		1.74	2	49.03	121.24		170	169	0.07	12
14	2037-2038		2.03	2	56.93	140.78		198	196	0.06	12
15	2038-2039		2.35	2	66.11	163.47		230	227	0.05	11
16	2039-2040		2.73	3	76.77	189.82		267	264	0.04	11
17	2040-2041		3.17	3	89.14	220.42		310	306	0.03	10
18	2041-2042		3.68	4	103.51	255.96		359	356	0.03	9
19	2042-2043		4.28	4	120.20	297.22		417	413	0.02	9
20	2043-2044		4.97	5	139.58	345.13		485	480	0.02	9
21	2044-2045		5.77	6	162.08	400.76		563	557	0.01	8
22	2045-2046		6.70	7	188.20	465.37		654	647	0.01	8
23	2046-2047		7.78	8	218.54	540.38		759	751	0.01	7
24	2047-2048		9.03	9	253.77	627.49		881	872	0.01	7
25	2048-2049		10.49	10	294.68	728.64		1,023	1,013	0.01	7
26	2049-2050		12.18	12	342.18	846.10		1,188	1,176	0.01	6
27	2050-2051		14.14	14	397.34	982.49		1,380	1,366	0.00	6
	Fotal	50	100	150	2,794	6,909	-	9,703	9,552		246

#### Costs:

- 1 Capital cost of the Project incorporates both the initial one-off costs such as engineering cost, project construction cost, development cost, procurement cost of equipment, machinery & other assets, utility set up cost, and any other costs to be incurred during the construction period.
- 2 Operating and maintenance (O&M) cost shall be incurred during operational phases of the project. Operation and maintenance cost includes electricity and other utility cost, administrative expenses, maintenance cost, payroll cost and other overheads etc.
- 3 Inflation rate is taken for O&M costs @ 16.12%, which is average inflation of last 5 years.

#### **Benefits:**

- 4 Benefits include the potential saving for the society from investment in sanitation in the form of lower health costs, more productivity and fewer premature deaths. A WHO study in 2012 calculated that for every US\$ 1.00 invested in sanitation, there was a return of US\$ 5.50.
- 5 Direct revenue from the project is envisaged on the basis of PKR 1,580 per annum per connection.
- <sup>6</sup> Inflation rate is applied at cost savings and revenue @ 16.12%, which is average inflation of last 5 years.
- 7 Residual Value had been taken as nil.

#### Estimated Project Life:

8 The life estimates of assets are compiled after review of design criteria for MC assets and international best practices. The Life Estimates taken in IDAMP are as follow:

Asset	Useful Life				
Buildings/ Civil Works	25				
Tubewell Pumps	15				
Disposal Pumps	15				
OHR	50				
Water Pipelines	25				
Rising Mains/	25				
Transmission Mains					
Sewerage/ RCC Pipelines	25				
Vehicles	10				
Machinary & Equipment	15				

- <sup>9</sup> The discount rate used for computation of present value of cash flows is taken @ 22.32 % per anum, which is KIBOR prescribed by State Bank of Pakistan as at April 11, 2023.
- 10 Exchange rate is taken as 284.65 PKR/ USD as per Exchange Rates for Mark to Market Revaluation provided at State Bank of Pakistan at April 07, 2023.

## Project ID: 02-09-01-01-01

Project Description : Solarization of Tube wells and Water Supply System

Sr. No.		Description	Unit	Value	Remarks
1	Net Present Value (NPV)	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%	Rs.	246	
2	Financial Internal Rate of Return (FIRR)	FIRR	%	49%	
3	enefit Cost Ratio (BCR) BCR= Total Benefits ÷ Total Costs		Ratio	64.55	
4	Payback Period	PBP= Capital costs ÷ Annual Net Benefits	Years	6.50	

			Costs		Benefits					PV @ %	22.32
Year No.	Year	Capital Cost	O&M Cost	Total Cost	Cost saving to society	Direct Revenue	Cost Savings/ Reduction	Total Benefits	Net (Cost)/ Benefits	Discount Factor	PV
T		A	В	C=A+B	D	E	F	G=D+E+F	H=G-C	l=(1.22.32)^n	J=Hxl
0	2023-2024	50.00	0.25	50				-	(50)	1	(50)
1	2024-2025		0.29	0				-	(0)	0.82	(0)
2	2025-2026		0.34	0				-	(0)	0.67	(0)
3	2026-2027		0.39	0	11.00	27.20		38	38	0.55	21
4	2027-2028		0.45	0	12.77	31.58		44	44	0.45	20
5	2028-2029		0.53	1	14.83	36.68		52	51	0.37	19
6	2029-2030		0.61	1	17.22	42.59		60	59	0.30	18
7	2030-2031		0.71	1	20.00	49.45		69	69	0.24	17
8	2031-2032		0.83	1	23.22	57.42		81	80	0.20	16
9	2032-2033		0.96	1	26.97	66.68		94	93	0.16	15
10	2033-2034		1.11	1	31.31	77.43		109	108	0.13	14
11	2034-2035		1.29	1	36.36	89.91		126	125	0.11	14
12	2035-2036		1.50	2	42.22	104.41		147	145	0.09	13
13	2036-2037		1.74	2	49.03	121.24		170	169	0.07	12
14	2037-2038		2.03	2	56.93	140.78		198	196	0.06	12
15	2038-2039		2.35	2	66.11	163.47		230	227	0.05	11
16	2039-2040		2.73	3	76.77	189.82		267	264	0.04	11
17	2040-2041		3.17	3	89.14	220.42		310	306	0.03	10
18	2041-2042		3.68	4	103.51	255.96		359	356	0.03	9
19	2042-2043		4.28	4	120.20	297.22		417	413	0.02	9
20	2043-2044		4.97	5	139.58	345.13		485	480	0.02	9
21	2044-2045		5.77	6	162.08	400.76		563	557	0.01	8
22	2045-2046		6.70	7	188.20	465.37		654	647	0.01	8
23	2046-2047		7.78	8	218.54	540.38		759	751	0.01	7
24	2047-2048		9.03	9	253.77	627.49		881	872	0.01	7
٦	Fotal	50	100	150	2,794	6,909	-	9,703	9,552		246

#### Costs:

- 1 Capital cost of the Project incorporates both the initial one-off costs such as engineering cost, project construction cost, development cost, procurement cost of equipment, machinery & other assets, utility set up cost, and any other costs to be incurred during the construction period.
- 2 Operating and maintenance (O&M) cost shall be incurred during operational phases of the project. Operation and maintenance cost includes electricity and other utility cost, administrative expenses, maintenance cost, payroll cost and other overheads etc.
- 3 Inflation rate is taken for O&M costs @ 16.12%, which is average inflation of last 5 years.

#### **Benefits:**

- 4 Benefits include the potential saving for the society from investment in sanitation in the form of lower health costs, more productivity and fewer premature deaths. A WHO study in 2012 calculated that for every US\$ 1.00 invested in sanitation, there was a return of US\$ 5.50.
- 5 Direct revenue from the project is envisaged on the basis of PKR 1,580 per annum per connection.
- <sup>6</sup> Inflation rate is applied at cost savings and revenue @ 16.12%, which is average inflation of last 5 years.
- 7 Residual Value had been taken as nil.

#### Estimated Project Life:

8 The life estimates of assets are compiled after review of design criteria for MC assets and international best practices. The Life Estimates taken in IDAMP are as follow:

Asset	Useful Life				
Buildings/ Civil Works	25				
Tubewell Pumps	15				
Disposal Pumps	15				
OHR	50				
Water Pipelines	25				
Rising Mains/	25				
Transmission Mains					
Sewerage/ RCC Pipelines	25				
Vehicles	10				
Machinary & Equipment	15				

- <sup>9</sup> The discount rate used for computation of present value of cash flows is taken @ 22.32 % per anum, which is KIBOR prescribed by State Bank of Pakistan as at April 11, 2023.
- 10 Exchange rate is taken as 284.65 PKR/ USD as per Exchange Rates for Mark to Market Revaluation provided at State Bank of Pakistan at April 07, 2023.

Project ID: 02-09-01-04-03

Project Description : Provision of Mobile Ultra Filtration Plants (02) for Disaster Management

Sr. No.		Description	Unit	Value	Remarks
1	Net Present Value (NPV)	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%	Rs.	212	
2	Financial Internal Rate of Return (FIRR)	FIRR	%	107%	
3	Benefit Cost Ratio (BCR)	BCR= Total Benefits ÷ Total Costs	Ratio	44.62	
4	Payback Period	PBP= Capital costs ÷ Annual Net Benefits	Years	6.50	

		Costs			Ben	efits			PV @ %	22.32	
Year No.	Year	Capital Cost	O&M Cost	Total Cost	Cost saving to society	Direct Revenue	Cost Savings/ Reduction	Total Benefits	Net (Cost)/ Benefits	Discount Factor	PV
		A	В	C=A+B	D	E	F	G=D+E+F	H=G-C	l=(1.22.32)^n	J=Hxl
0	2023-2024	6.50	0.39	7				-	(7)	1	(7)
1	2024-2025		0.45	0				-	(0)	0.82	(0)
2	2025-2026		0.53	1				-	(1)	0.67	(0)
3	2026-2027		0.61	1	1.43	27.20		29	28	0.55	15
4	2027-2028		0.71	1	1.66	31.58		33	33	0.45	15
5	2028-2029		0.82	1	1.93	36.68		39	38	0.37	14
6	2029-2030		0.96	1	2.24	42.59		45	44	0.30	13
7	2030-2031		1.11	1	2.60	49.45		52	51	0.24	12
8	2031-2032		1.29	1	3.02	57.42		60	59	0.20	12
9	2032-2033		1.50	1	3.51	66.68		70	69	0.16	11
10	2033-2034		1.74	2	4.07	77.43		82	80	0.13	11
11	2034-2035		2.02	2	4.73	89.91		95	93	0.11	10
12	2035-2036		2.34	2	5.49	104.41		110	108	0.09	10
13	2036-2037		2.72	3	6.37	121.24		128	125	0.07	9
14	2037-2038		3.16	3	7.40	140.78		148	145	0.06	9
15	2038-2039		3.67	4	8.59	163.47		172	168	0.05	8
16	2039-2040		4.26	4	9.98	189.82		200	196	0.04	8
17	2040-2041		4.95	5	11.59	220.42		232	227	0.03	7
18	2041-2042		5.75	6	13.46	255.96		269	264	0.03	7
19	2042-2043		6.67	7	15.63	297.22		313	306	0.02	7
20	2043-2044		7.75	8	18.14	345.13		363	356	0.02	6
21	2044-2045		9.00	9	21.07	400.76		422	413	0.01	6
22	2045-2046		10.45	10	24.47	465.37		490	479	0.01	6
23	2046-2047		12.13	12	28.41	540.38		569	557	0.01	5
24	2047-2048		14.09	14	32.99	627.49		660	646	0.01	5
T	otal	7	156	163	363	6,909	-	7,272	7,109		212

#### Costs:

- 1 Capital cost of the Project incorporates both the initial one-off costs such as engineering cost, project construction cost, development cost, procurement cost of equipment, machinery & other assets, utility set up cost, and any other costs to be incurred during the construction period.
- 2 Operating and maintenance (O&M) cost shall be incurred during operational phases of the project. Operation and maintenance cost includes electricity and other utility cost, administrative expenses, maintenance cost, payroll cost and other overheads etc.
- 3 Inflation rate is taken for O&M costs @ 16.12%, which is average inflation of last 5 years.

#### **Benefits:**

- 4 Benefits include the potential saving for the society from investment in sanitation in the form of lower health costs, more productivity and fewer premature deaths. A WHO study in 2012 calculated that for every US\$ 1.00 invested in sanitation, there was a return of US\$ 5.50.
- 5 Direct revenue from the project is envisaged on the basis of PKR 1,580 per annum per connection.
- <sup>6</sup> Inflation rate is applied at cost savings and revenue @ 16.12%, which is average inflation of last 5 years.
- 7 Residual Value had been taken as nil.

#### Estimated Project Life:

8 The life estimates of assets are compiled after review of design criteria for MC assets and international best practices. The Life Estimates taken in IDAMP are as follow:

Asset	Useful Life	
Buildings/ Civil Works	25	
Tubewell Pumps	15	
Disposal Pumps	15	
OHR	50	
Water Pipelines	25	
Rising Mains/	25	
Transmission Mains	25	
Sewerage/ RCC Pipelines	25	
Vehicles	10	
Machinary & Equipment	15	

- <sup>9</sup> The discount rate used for computation of present value of cash flows is taken @ 22.32 % per anum, which is KIBOR prescribed by State Bank of Pakistan as at April 11, 2023.
- 10 Exchange rate is taken as 284.65 PKR/ USD as per Exchange Rates for Mark to Market Revaluation provided at State Bank of Pakistan at April 07, 2023.

## Annexure F. Stakeholder's Consultative Session



2022-2023



2023-2024

# Annexure G. Cost Estimates for Operation & Maintenance of water supply systems for the budgeted year (2023-2024)

	Summary of Cost								
Sub Head No	Sub Head	Total Cost (Rs)							
1	Man power (Annex-A-1)	13,413,097							
2	Electricity charges (Annex-B-1)	3,963,946							
3	Repairs & Replacements (Annex-C-1)	1,980,000							
4	Supply items (Annex-D-1)	993,600							
	POL	-							
	Contingencies	1,000,000							
	Grand Total	21,350,643							
	Grand Total	21,350,643							
	Say (million Rs)	12.80 Million							

# Annexure H. Cost Estimates for Operation & Maintenance of sewerage systems for the budgeted year (2023-2024)

	Summary of Cost								
Sub Head No	Sub Head	Total Cost							
1	Man power (Annex-A-2)	80,305,651							
2	Electricity charges (Annex-B-2)	49,989,758							
3	Repairs & Replacements (Annex-C-2)	14,930,000							
4	Supply items (Annex-D-2)	-							
	POL	39,775,560							
	Contingencies	3,200,000							
	Grand Total	188,200,969							
	Grand Total	188,200,969							
	Say (million Rs)	148.42 Million							

# Annexure I. Cost Estimates for Operation & Maintenance of solid waste management for the budgeted year (2023-2024)

	Summary of Cost								
Sub Head No	Sub Head	Total Cost							
1	Man power (Annex-A-3)	367,403,382							
2	Energy Charges (Annex-B-3)	-							
3	Repairs & Replacements (Annex-C-3)	19,820,000							
4	Supply items (Annex-3)	10,086,000							
	POL	44,743,050							
	Contingencies	10,300,000							
	Grand Total	452,352,432							
	Grand Total	452,352,432							
	Say (million Rs)	452.35							

## Annexure J. Detail of SWM Machinery purchased under PCP



OFFICE OF THE MUNICIPAL COMMITTEE JHANG Fax & Tel: No. 047-9200347 Email: mcjhang347@gmail.com

#### SUBJECT: REGISTRATION OF SOLID WASTE MACHINERY VEHICLES

Sr. No.	MANUFACTURER	MODEL	Chassis No.	Engine No.	Registration No	Status
1	Suzuki	Suzuki Bolan VX	SV308PK01143823	PKT1027336	Not Applied Yet	MOBILE WORKSHOP
2	Suzuki	Suzuki Ravi VX	SR308PK493192	PKT388530	Not Applied Yet	MINI TIPPER
3	Suzuki	Suzuki Ravi VX	SR308PK493189	PKT388529	Not Applied Yet	MINI TIPPER
4	Suzuki	Suzuki Ravi VX	SR308PK493187	PKT388524	Not Applied Yet	MINI TIPPER
5	Suzuki	Suzuki Ravi VX	SR308PK493193	PKT388531	Not Applied Yet	MINI TIPPER
6	Suzuki	Suzuki Ravi VX	SR308PK493191	PKT388534	Not Applied Yet	MINI TIPPER
7	Suzuki	Suzuki Ravi VX	SR308PK493185	PKT388535	Not Applied Yet	MINI TIPPER

8	Suzuki	Suzuki Ravi VX	SR308PK493188	PKT388527	Not Applied Yet	MINI TIPPER
9	Suzuki	Suzuki Ravi VX	SR308PK493196	PKT388533	Not Applied Yet	MINI TIPPER
10	Suzuki	Suzuki Ravi VX	SR308PK493194	PKT388528	Not Applied Yet	MINI TIPPER
11	Suzuki	Suzuki Ravi VX	SR308PK493186	PKT388525	Not Applied Yet	MINI TIPPER
12	Suzuki	Suzuki Ravi VX	SR308PK493190	PKT388526	Not Applied Yet	MINI TIPPER
13	Suzuki	Suzuki Ravi VX	SR308PK493195	PKT388523	Not Applied Yet	MINI TIPPER
14	HINO	DUTRO XZU 720	JHHYCK0F204600177	MO4CWGM50202	Not Applied Yet	GARBAGE COMPACTOR
15	HINO	DUTRO XZU 720	JHHYCK0F 404600178	MO4CWGM 50203	Not Applied Yet	GARBAGE COMPACTOR
16	HINO	DUTRO XZU 720	JHHYCK0F 604600179	MO4CWGM 50204	Not Applied Yet	GARBAGE COMPACTOR
17	HINO	DUTRO XZU 720	JHHYCK0F 204600180	MO4CWGM 50205	Not Applied Yet	GARBAGE COMPACTOR
18	HINO	DUTRO XZU 720	JHHYCK0F 404600181	MO4CWGM 50206	Not Applied Yet	GARBAGE COMPACTOR
19	HINO	DUTRO XZU 720	JHHYCK0F 604600182	MO4CWGM 50207	Not Applied Yet	ARM ROLL TRUCK 5 cm3
20	HINO	DUTRO XZU 720	JHHYCK0F 804600183	MO4CWGM 50208	Not Applied Yet	ARM ROLL TRUCK 5 cm3
21	HINO	DUTRO XZU 720	JHHYCK0F 04600184	MO4CWGM 50209	Not Applied Yet	ARM ROLL TRUCK 5 cm3

## Integrated Development and Asset Management Plan (IDAMP) (2023-24, 2024-25, 2025-26) Municipal Committee Jhang

34	MILLAT TRACTOR	MF 385-4WD	85644-02	507851-J	Not Applied Yet	FRONT ENI BLADE
35	MILLAT TRACTOR	MF 385-4WD	85685-04	508012-J	Not Applied Yet	SIMPLE
36	MILLAT TRACTOR	MF 385-4WD	85655-03	507856-J	Not Applied Yet	SIMPLE
37	DOOSAN	DX140W	0051070	65082020184	Not Applied Yet	WHEEL EXCAVATO

MUNICPAL OFFICER (I) MUNICIPAL COMMITTEE Jihang

22	HINO	DUTRO XZU 720	JHHYCK0F 104600185	MO4CWGM 50210	Not Applied Yet	ARM ROLL TRUCK 5 cm3
23	HINO	DUTRO XZU 720	JHHYCK0F 304600186	MO4CWGM 50211	Not Applied Yet	Water Spray Truck
24	HINO	DUTRO XZU 720	JHHYCK0F 504600187	MO4CWGM 50212	Not Applied Yet	Water Spray Truck
25	HINO	FG8JKLB	FG8JKLB-10336	J08EVUM10654	Not Applied Yet	ARM ROLL TRUCK 10 cm3
26	HINO	FG8JKLB	FG8JKLB-10337	J08EVUM10655	Not Applied Yet	ARM ROLL TRUCK 10 cm3
27	HINO	FG8JKLB	FG8JKLB-10338	J08EVUM10656	Not Applied Yet	ARM ROLL TRUCK 10 cm3
28	HINO	FG8JKLB	FG8JKLB-10339	J08EVUM10657	Not Applied Yet	ARM ROLL TRUCK 10 cm3
29	HINO	FG8JKLB	FG8JKLB-10346	J08EVUM10670	Not Applied Yet	DUMP TRUCK 10 cm3
30	MILLAT TRACTOR	MF 385-4WD	85644-03	507850-J	Not Applied Yet	FRONT END LOADER
31	MILLAT TRACTOR	MF 385-4WD	85644-04	507835-J	Not Applied Yet	FRONT END LOADER
32	MILLAT	MF 385-4WD	85651-02	507863-J	Not Applied Yet	FRONT END LOADER
33	MILLAT TRACTOR	MF 385-4WD	85644-01	507833-J	Not Applied Yet	FRONT END BLADE