



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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01 Introduction

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 immovable, 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
A	Excellent	Routine Maintenance
B	Good	Minor Repair
C	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 Bureau of Statistics (PBS) while applying population 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.

02 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

¹ <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

03 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:

Table 1: Asset Summary

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

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 Category	Asset Sub-Category	Asset Condition					Unit	Total
		Excellent (A)	Good (B)	Fair (C)	Poor (D)	Failing (E)		
Water Supply System	Tube wells			3		1	No.	4
	Water Supply Network					3520	Meter	3520
	OHR			2		1	No.	3
	Filtration Plants			1	7	5	No.	13
	Movable Assets (Vehicles/Machinery)		2				No.	2
Sewerage System	Sewerage Network	27815	52341	44181			Meter	124337
	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 Category	Asset Sub-Category	Asset Condition					Unit	Total
		Excellent (A)	Good (B)	Fair (C)	Poor (D)	Failing (E)		
	Movable Assets (Vehicles/Machinery)	454	173	13	5		No.	645
Bus Stands	Bus Stand			1			No.	1
Buildings	Offices		2				No.	2
	Residential Building			16			No.	16
	Shops		314				No.	314
Public Places	Slaughter Houses				3		No.	3
	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

04 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 level 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:

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 and control and development of water sources;	Water Supply Coverage %	Percentage of area, where water supply network is available in comparison to total built up area.	11%	11%		
	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		
	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

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)	2023-2026
	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%		
	Sewerage Complaints (%)	Total number of sewerage complaints per year expressed as a percentage of the total number of sewerage connections.	.73%	.25%	2. Rehabilitation and improvement of sewerage system in Jhang city. 3. SCADA system for disposal stations.	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)	
Sanitation and solid waste collection and disposal of solid wastes, treatment and disposal including landfill site and recycling plants;	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%		
	Primary SWM Coverage each day in Roads %	Primary SWM Coverage each day in Roads	55%	55%		
	Open Collection Points (Number)	Open Collection Points	157	157		
	Secondary collection machinery (Number)	Secondary collection machinery	NIL	NIL		
	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 and streets;	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	2023-2024
	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 Jhang.	
	Roads with condition "C" (Fair) %	Total number of roads with condition "C" expressed as a percentage of total roads.	0%	0%	D) Improvement & Rehabilitation of 07 Nos. Chowks in MC Jhang.	
	Roads with condition "D" (Poor) %	Total number of roads with condition "D" expressed as a percentage of total roads.	88%	60%	E) Rehabilitation, Improvement and Beautification of Walls (Package-2) in MC Jhang	
	Roads with condition "E" (Failing) %	Total number of roads with condition "F" expressed as a percentage of total roads.	0%	0%		
	Beautification of chowks %	Number of chowks having monuments expressed as a percentage of total chowks				
Streetlighting;	Streetlight coverage. (%)	Percentage of area/roads with streetlights.	N/A	Same as before		2023-2024
	Working Streetlight %	Percentage of working streetlights as of total streetlights.	48%	100%	Provision and installation of Street Lights in Jhang City	
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%	A) Rehabilitation of Dhaji Park for Female in Jhang City B) Rehabilitation of Ganda Toya	2023-2026
	Parks with condition "B" (Good) %	Parks with condition "B" expressed as a percentage of total parks.	40%	30%		
	Parks with condition "C" (Fair) %	Parks with condition "C" expressed as a percentage of total parks.	20%	10%		
	Parks with condition "D" (Poor) %	Parks with condition "D" expressed as a percentage of total parks.	40%	0%		
	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;	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 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 terminals;	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		
	Adequacy of facilities at bus stands	Adequacy of facilities at bus stands	No	Yes	Improvement and Rehabilitation of Bus Stand	2025-2026
Slaughterhouses;	Adequacy of slaughterhouses	Adequacy of slaughterhouses keeping in view the population of the MC	No	Yes	Rehabilitation of slaughterhouse	2023-2026
	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		
Municipal libraries;	Total number of Libraries per 100,000 persons	Total number of Libraries per 100,000 persons	0.18	0.18		
	Adequacy of facilities in library	Adequacy of facilities in library in terms of books, computers, furniture, air-conditioning, lighting, drinking water etc.	Yes	Yes		
Buildings	Buildings with condition "A" (Excellent) %	Total number of buildings with condition "A" expressed as a percentage of total number of 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.

05 IDAMP Projects

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, the 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: IDAMP Projects

Sr. No.	Project ID	Project Name	Asset Category	Total Capital Cost	2023-24		2024-25		2025-26		Project Screening (Score)
					Capital	O&M	Capital	O&M	Capital	O&M	
(Millions)											
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

Sr. No.	Project ID	Project Name	Asset Category	Total Capital Cost	2023-24		2024-25		2025-26		Project Screening (Score)
					Capital	O&M	Capital	O&M	Capital	O&M	
					(Millions)						
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

Sr. No.	Project ID	Project Name	Asset Category	Total Capital Cost	2023-24		2024-25		2025-26		Project Screening (Score)
					Capital	O&M	Capital	O&M	Capital	O&M	
(Millions)											
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 forms²:

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	<p>Improve water quality standards.</p> <p>Increase the capacity of the filtration system.</p> <p>Reduce maintenance and operating costs.</p> <p>Improve the reliability of the filtration system.</p> <p>Extend the lifespan of the filtration system.</p> <p>Ensure compliance with regulatory requirements.</p> <p>Enhance public health and safety.</p> <p>Increase the efficiency of the filtration process.</p> <p>Reduce the risk of waterborne illnesses.</p> <p>Improve the overall performance of the filtration system.</p>	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	<p>1) Rehabilitation of the components of existing water supply system to attain full efficiency out of these installations.</p> <p>2) Supply of adequate quantity of water in water shortage areas.</p> <p>3) Improvement of service delivery level in the entire city.</p> <p>4) Augmentation of the source capacity</p>	Replacement of outlived water supply distribution system, Rehabilitation of Tubewells.	50	2.50	Jhang City

² <https://www.pc.gov.pk/web/downloads/pc>

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
			5) Equal distribution of water in the entire system 6) Improvement of terminal pressure at remote ends of the distribution system 7) Reduction of water borne diseases. 8) Improvement in local and province economy.				
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	1. Improvement of service delivery level of the sewerage sector for provision of better basic urban services for improved livability of the citizen. 2. Reduction in surcharging and overflowing of sewers thus reducing waste water ponding in the city. 3. Elimination of damages to public and private properties 4. Elimination of traffic hazards created due to waste water flooding 5. Provision of ease for pedestrians who are presently obstructed due to waste water ponding. 6. Reduction of wear and tear of vehicles travelling in ponding areas 7. Provision of clean approach for the citizen for	1.Repair of Pump House Disposal Works Gharay Bhan 2.Remaining work Pump House & Screening Chamber at Disposal Works Tibba Sultan. 3.Remaining work Pump House Disposal Works Basti Ghoghay Wali 4.Missing Sewerlines of Disposal Works Tibba Sultan, Gadhian Wala & Basti Ghoghay wali. 5.Remaining work at Disposal Works Karma wala Town. 6.Pumping Machinery of New Gadhian Wala, Tibba Sultan & Goghay Wala 7.Inter connections in disposal works 8.Providing Installation MS Screens on	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; - <ul style="list-style-type: none"> ▪ 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 1 RCC Sewers (Missing/Replacement) 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 2 Desilting of RCC Sewer Line 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
			<p>areas of the city for provision of better basic urban services for improved livability of the citizen.</p> <ul style="list-style-type: none"> ▪ The new system is proposed to reduce in annual O&M cost of the infrastructure due to reduced repairs in the forthcoming years because of repair or replacement of infrastructure components. ▪ The major areas which are adjacent to main roads are without any proper sewerage having surface drainage system and resultantly, overflow occurred on main road and destroy the road infrastructure. The residents as well as the transport are suffering badly. The trunk sewer on these areas are proposed. A disposal station namely "Farooqabad disposal station" is located in the thickly populated area and the outfall drain is passing in public land. The owner of the lands has inhabited their lands and drain has been converted into a pipeline which is not taking full discharge and under these conditions the disposal station cannot be operated at full pumping capacity. As such waste water flooding is taking place in the commanded areas. Municipal Committee has installed number of dewatering sets on different locations. On one side the environments are totally7 deteriorated whereas on the other side huge financial 	<p>f) 27" I/d g) 30" I/d h) 33" I/d i) 36" I/d j) 42" I/d</p> <p>3 RPC Manhole covers 1500 Nos 4 Pumping Machinery Centrifugal sullage pumping units 6 Cusecs capacity 5 cusecs capacity 3 cusecs capacity</p> <p>Disposal Stations Upgradation/rehabilitation of existing disposal station (Civil Works) Transformer set 200 KVA</p> <p>The newly proposed system in Zone-1 will comprise of the below given components:</p> <p>RCC sewers a) 12" I/d b) 15" I/d c) 18" I/d d) 21" I/d e) 24" I/d f) 30" I/d g) 36" I/d h) 42" I/d i) 48" I/d j) 60" I/d</p> <p>2 Disposal Station Screening chamber Collecting tanks</p>			

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
			<p>burden is laid on Municipal Committee due to operation of these dewatering sets.</p> <ul style="list-style-type: none"> ▪ 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. ▪ 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. ▪ The provide the wastewater treatment facility for reduction of BOD to bring the effluent within permissible limits of the NEQs and the treated water can used for irrigation. ▪ With the improvement of environmental standards, the growth potential and the local economy of the city will be improved. 	<p>Pump house</p> <p>3 Pumping machinery</p> <p>No clogging cardon shaft sullage pumping units</p> <p>15 Cusecs capacity</p> <p>8 cusecs capacity</p> <p>4 Drain from disposal works to waste water</p> <p>treatment plant</p> <p>5 Transformer 630 KVA</p> <p>6 Diesel Generating set 650 KVA 1 No</p> <p>7 Change over switch</p> <p>8 LT Control Panel with 5 MCUs</p> <p>3-Waste water Treatment Plant comprising of:</p> <p>a) Sullage channel = One No</p> <p>b) Screening Chamber = 1 No</p> <p>c) Anaerobic ponds = 4 Nos</p> <p>d) Facultative ponds = 4 Nos</p> <p>e) Sludge drying beds = 4 No</p> <p>f) Treated water pond = 1 No</p> <p>g) Administration block = 1 No</p> <p>h) Floating plants = 20% of Facultative ponds area</p> <p>i) Effluent water course = One No</p>			
6	Roads	Improvement and Rehabilitation of Roads in MC Jhang (Asphalt)	<p>The Project has the following objectives;</p> <ol style="list-style-type: none"> 1. Improvement of service delivery level of the municipal services in the sector of communication. 2. Better travelling facilities for the commuters. 3. Reduction in road accidents. 	<ol style="list-style-type: none"> 1. P7-College Chowk to Session Chowk 2. P8-Kalma Chowk to Basti Faizabad Road 3. P9-Model Bazar Road 	314.67	15.73	<ol style="list-style-type: none"> 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
			4. Saving in travelling and repair cost of the vehicles. 5. Reduction in annual maintenance charges of roads and parks 6. Better lit roads and streets adding to security of people travelling at 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.				3. P9-Model Bazar Road
7	Roads	Improvement and Rehabilitation of Roads in MC Jhang (Tuff Pavers)	The Project has the following objectives; 1. Improvement of service delivery level of the municipal services in the sector of communication. 2. Better travelling facilities for the commuters. 3. Reduction in road accidents. 4. Saving in travelling and repair cost of the vehicles. 5. Reduction in annual maintenance charges of roads and parks 6. Better lit roads and streets adding to security of people travelling at 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. 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	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
			<p>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.</p> <p>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.</p> <p>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.</p>				
9	Roads	Rehabilitation of 5 Existing Green Belts	<p>1. 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.</p> <p>2. The project also aims to construct a green space equipped with all the facilities that should be provided in a thriving neighborhood.</p> <p>3. To create safe neighborhoods for the peoples.</p> <p>4. To create valuable green spaces.</p> <p>5. To enhances the aesthetic beauty of the city.</p> <p>6. To contribute the health and wellness of the community.</p>	<p>The names of the Roads with green belts are mentioned below</p> <p>Sargodha Road</p> <p>Bhakkar Road</p> <p>Toba Road</p> <p>Rail Bazar to Mc Office Road</p> <p>Ayoub Chowk to Kuchery Road</p>	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	The Project has the following objectives; 1. Improvement of service delivery level of the municipal services in the sector of communication. 2. Better travelling facilities for the commuters. 3. Reduction in road accidents. 4. Saving in travelling and repair cost of the vehicles. 5. Reduction in annual maintenance charges of roads and parks 6. Better lit roads and streets adding to security of people travelling at 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.	P7, P8, P9: 1. Geometric Improvement 1. Rehabilitation of Existing Pavement Structure 3. Improvement of drainage system	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
			<p>maintenance downtime.</p> <p>Ensure compliance with regulatory requirements.</p> <p>Increase the lifespan of the street lighting system.</p>				
12	Parks, Playgrounds, Open spaces	Rehabilitation of Dhaji Park for Female in Jhang City	<p>1.The project's main objective is to 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.</p> <p>2. The project also aims to construct a green space equipped with all the facilities that should be provided in a thriving neighborhood.</p> <p>3. To create safe neighborhoods for the people.</p> <p>4. To create valuable green spaces.</p> <p>5. To enhances the aesthetic beauty of the city.</p> <p>6. To contribute the health and wellness of the community.</p> <p>7. Ornamental plants, green areas & rain water harvesting structures.</p>	<p>Construction of Walkway</p> <p>Construction of Boundary wall</p> <p>Construction of Main Gate</p> <p>Installation of Lights on with poles</p> <p>Installation of Children outdoor games</p> <p>Construction of Gazebos</p> <p>Provision of Benches</p> <p>Construction of Recharging well</p> <p>Plantation of Trees and Plants</p>	21.9	0.55	Dhaji Park,Jhang City
13	Parks, Playgrounds, Open spaces	Rehabilitation of Ganda Toya	<p>1. To reduce urban heat island effect.</p> <p>2. To provide active and passive recreational opportunities</p> <p>3. To contribute to the health and wellness of a community</p> <p>4. To create valuable green space</p> <p>5. To combat air pollution caused by</p>	<ul style="list-style-type: none"> • Boundary wall with iron grill • Entrance gates • Ramps for PWDs • Tuff tile pathways • Jogging track • Landscaping • Plantation/vegetation cover of 	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
			vehicles and industries 6. Improvement in environments of the city making them livable. 7. Improvement in local and province economy. 8. Improvement in the economic growth potential of the city	indigenous species <ul style="list-style-type: none"> • Gazebos (4 Nos.) • Public toilets • Rainwater recharge well • Shopping and sitting area • Playing area for children • Security guard room • Grassing and flower beds • Badminton Court (2 Nos.) • Volley ball Court • Kabaddi area • Cricket/Football ground • Gardener Room • Prayer Room • Store • Bird cage • Barbeque Pit (2 Nos.) • Provision of lighting and electrical arrangements • Construction of new water supply & drainage system and connection with existing network • Percolation Well 			
14	Bus Stand	Improvement and Rehabilitation of Bus Stand	1. Provision of disciplined travelling facilities to the people. 2. Provision of waiting facilities for the travelers in the form of respectable sitting, ablution & prayer, drinking water, toilets, shopping and ticketing. 3. Provision of car parking facilities to the public, 4. Rickshaw stand facilities 5. Revenue generation from shops and	'- 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
			parking lot 6. Improvement in the air pollution in city area due to parking and waiting by the buses 7. Reduction in the traffic congestion created by buses at various locations of the city 8. Effective protection of the buses against the solar radiation and Ultraviolet rays, rain, hail, wind, and dust. 9. Slowing down the deterioration of buses, therefore reducing the amount of maintenance. 10. Improvement in the economic growth potential of the city.				
15	Slaughterhouse	Rehabilitation of slaughter house	Ensure compliance with sanitation and hygiene standards. Improve the welfare and treatment of animals. Enhance public health and safety. Increase the efficiency of the slaughter process. Reduce operating costs and increase profitability. Upgrade facilities and equipment to meet modern standards. Minimize the impact on the environment. Ensure compliance with regulatory requirements. Improve working conditions for employees.	<ul style="list-style-type: none"> • Boundary wall and gate • Doctor’s room • Slaughtering hall • Evisceration hall • Meet cutting room • Blood collection arrangements • Water supply systems • Skin storage room • Waste water disposal system • Solid waste collection and disposal system • Health and Hygiene SOPs • Separate Facility for Sick Animals • Tools Disinfectant System 	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	<p>The primary objectives of solarization are as follows:</p> <p>a) Enhance Sustainability: By generating clean and renewable energy, the project can reduce its environmental impact and contribute to sustainable development.</p> <p>b) Reduce Carbon Footprint: Solar PV systems produce electricity with zero greenhouse gas emissions, helping to mitigate climate change and improve air quality.</p> <p>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.</p>	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	<p>The primary objectives of solarization are as follows:</p> <p>a) Enhance Sustainability: By generating clean and renewable energy, the project can reduce its environmental impact and contribute to sustainable development.</p> <p>b) Reduce Carbon Footprint: Solar PV systems produce electricity with zero greenhouse gas emissions, helping to mitigate climate change and improve air quality.</p> <p>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.</p>	<p>Solarization of the tubewells based on the site load and installation capacity assessment.</p> <p>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.</p>	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 monitoring and controlling of efficient working of all disposal Scda system would be required so that working hours of each pump will be monitor at a center point.	""Design and Installation of the following components: 1-Instrumentation Inputs 2-RTUs 3-Radio/Cellular Telemetry 4- SCADA Operator Terminal 5-Alarming Monitoring 6-Control System Adjustments 7-Internet Browser 8-Server HTML""	75	1.875	MC Jhang
20	Road & Street	Rehabilitation of Roads(Tuff Paver) in MC Jhang.	"1. Improvement of service delivery level of the municipal services in the sector of communication. 2. Better travelling facilities for the commuters. 3. Reduction in road accidents. 4. Saving in travelling and repair cost of the vehicles. 5. Reduction in annual maintenance charges of roads and parks 6. Better lit roads and streets adding to security of people travelling at	Geometric Improvement, Rehabilitation of Existing Pavement Structure (Tuff Paver), Improvement of drainage system	147.127	7.35635	1. Station Chowk to Laila Majnu Gate 2. Darul Naimat Sweet Dhaji Road 3. Jhang Bazar Chowk to via Ghag Bazar, Akhara, Chirag Pehalwan & Abbkari Road

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

Sr. no.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Project Location
			<p>commuters.</p> <p>3. Reduction in road accidents.</p> <p>4. Saving in travelling and repair cost of the vehicles.</p> <p>5. Reduction in annual maintenance charges of roads and parks</p> <p>6. Better lit roads and streets adding to security of people travelling at night.</p> <p>7. Improvement in environments of the city making them livable.</p> <p>8. Improvement in local and province economy.</p> <p>9. Improvement in the economic growth potential of the city.</p>				<p>Chowk</p> <p>3. DC Chowk</p> <p>4. Girls College Road Chowk</p> <p>5. Session Chowk</p> <p>6. DHQ Chowk</p>
23	Road & Street	Fixing Roads and Street Signs in Jhang City	<p>1. Improvement of service delivery level of the municipal services in the sector of communication.</p> <p>2. Better travelling facilities for the commuters.</p> <p>3. Reduction in road accidents.</p> <p>4. Saving in travelling and repair cost of the vehicles.</p> <p>5. Reduction in annual maintenance charges of roads</p> <p>6. Better lit roads and streets adding to security of people travelling at</p>	<p>1. Rehabilitation of Existing Pavement Structure</p> <p>2. Pavement Marking</p> <p>3. Improvement of drainage system</p> <p>4. Street Light</p>	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
			<p>night.</p> <p>7. Improvement in environments of the city making them livable.</p> <p>8. Improvement in local and province economy.</p> <p>9. Improvement in the economic growth potential of the city.</p>				
24	Road & Street	Rehabilitation of 5 Nos Green Belts in Jhang city	<p>The Project has the following objectives;</p> <p>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.</p> <p>b) The project also aims to construct a green space equipped with all the facilities that should be provided in a thriving neighborhood.</p> <p>c) To create safe neighborhoods for the peoples.</p> <p>d) To create valuable green spaces.</p> <p>e) To enhances the aesthetic beauty of the city.</p> <p>f) To contribute the health and wellness of the community.</p>	<p>Clearing and leveling of existing areas for construction purposes.</p> <p>Installation of ornamental trees, flower beds, planters, and other aesthetic features.</p> <p>Implementation of safety measures, including fencing or barriers where necessary.</p> <p>Installation of water sprinkling systems to maintain greenery.</p> <p>Landscaping activities including soil preparation, planting, and maintenance.</p> <p>Introduction of landscape architecture for aesthetic enhancement.</p>	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.

06 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, boost 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

Amount in PKR Million

Year	2023-24		2024-25		2025-26	
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

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.

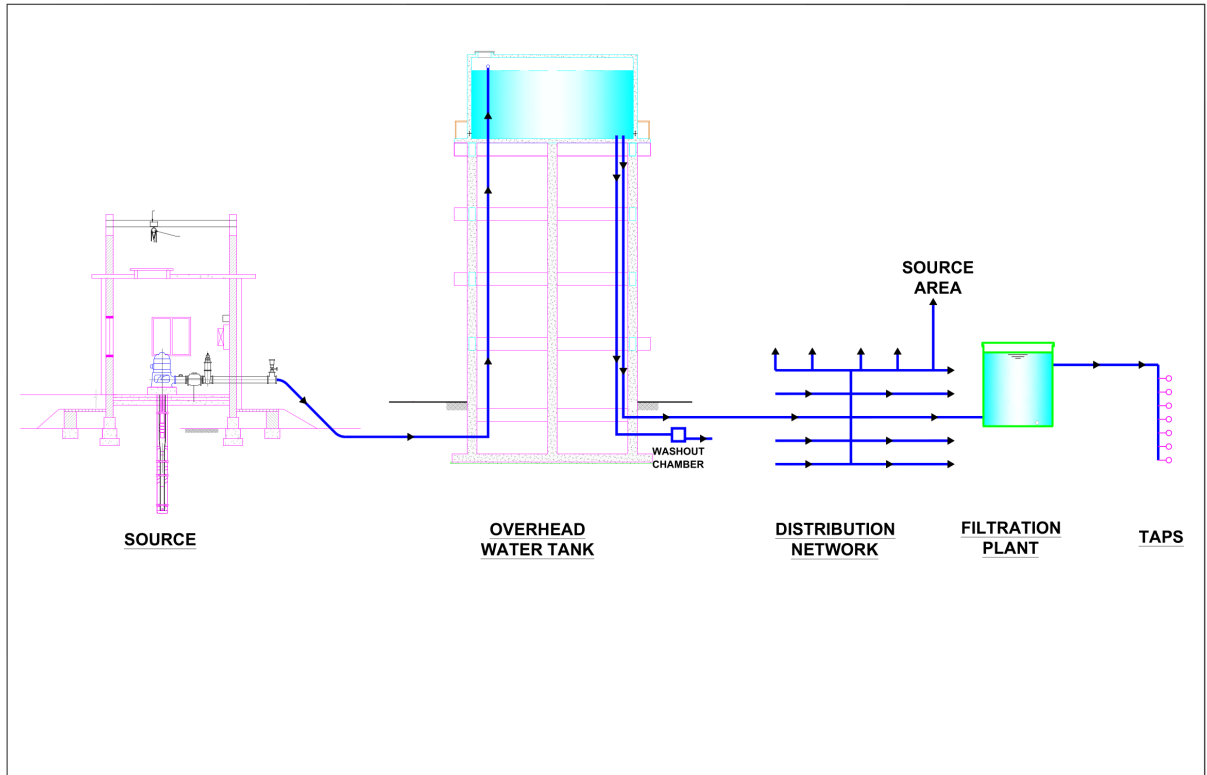
Operating and maintenance (O&M) cost shall be incurred during operational phases of the project. Operation and maintenance cost includes electricity and other utility cost, administrative expenses, maintenance cost, payroll cost and other overheads etc.

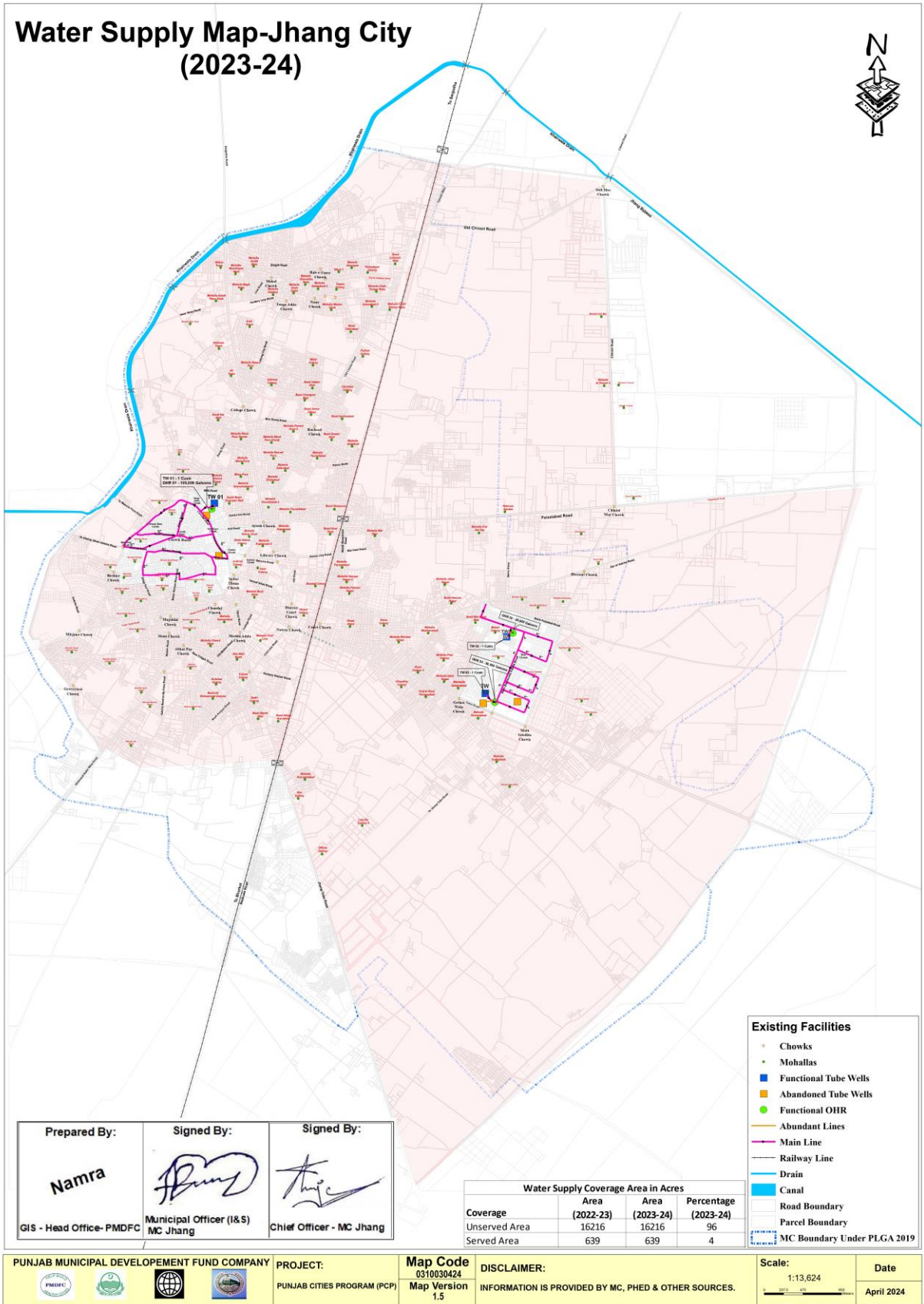
Annexure

Annexure A. Detail of Assets

1. Water Supply:

1.1. Key Components of a Water Supply System








A. Tube well

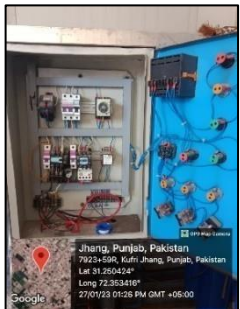
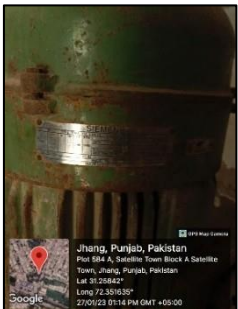
Sr #	Name	Age (Years)		Condition	Status	Book Value (PKR Mil)	Discharge (cusec)	Pump Make	Motor Make	Motor hp
		Civil Structure	Pump							
1	MC Office	47	47	Fair	Functional	0.18	1	KSB	Siemens	50
2	Behari Colony	69	11	Failing	Non-Functional	0	1	KSB	Siemens	40
3	New Kalma Chowk	69	15	Fair	Functional	0.09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



Integrated Development And Asset Management Plan (IDAMP)										
Municipal Committee Jhang										
Form: IDAMP-A1.1		Tube Well Asset Condition Assessment				Asset Code: _____ Date: 26-01-2023				
Asset Detail						Pictures				
Name		MC Office								
Location	Latitude	31.291322								
	Longitude	72.321003								
Address		Circular Road, Near Tanga Adda								
Area (Marla)		01								
Working Status		Functional			Non- Functional					
Installation Year of Tube Well		1976								
Installation Year of Pump		1976								
Capital Cost		Not Available								
Operational Hours		6								
Delivery Pipe	Dia	6"								
	Material	Mild Steel								
Chlorinator		Yes			No					
Chlorination Schedule		Once in a Year		After 6 Months		No Schedule				
Apron Around Pump House		Yes			No					
Hoisting Girder		Yes			No					
Civil Structure Condition		Good		Fair		Poor				
Approach to Pump House		Good		Fair		Poor				
Pump Details										
Pump Type		Turbine								
Pump Make		1976								
Discharge Capacity (Cusec)		1								
Rotational Speed (RPM)		1465								
Housing Dia (inches)		12"								
Bore Depth (ft.)		285								
Head (ft.)		150								
Impeller Installation Depth (ft.)		85								
Paint of Pumping Unit		Good		Fair		Poor				
Number of Valves	Gate Valve	1								
	Non-Returning Valve	1								
Base Plate		Yes			No					




Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A1.1	Tube Well Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Electro-Mechanical Equipment Details					
Transformer Capacity (kVA)	200				
Sanctioned Load (kw)	38				
Motor Power (HP)	50				
Motor Make	Siemens				
MCU	Yes	No			
Earthing of Motor	Yes	No			
Power Wiring	Yes	No			
Service Cable	Yes	No			
Earthing of MCU	Yes	No			
Energy Meter	Yes	No			
Water Meter	Yes	No			
PFI Equipment	Yes	No			
Generator	Yes	No			
Change Over	Yes	No			
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> Pump has outlived its life and needs replacement. 					
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	

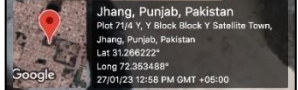
Integrated Development And Asset Management Plan (IDAMP)				
Municipal Committee Jhang				
Form: IDAMP-A1.2		Tube Well Asset Condition Assessment		Asset Code: _____ Date: 26-01-2023
Asset Detail			Pictures	
Name		Behari Colony		
Location	Latitude	31.266220		
	Longitude	72.353485		
Address		Behari Colony, Satellite Town		
Area (Marla)		01		
Working Status		Functional	Non-Functional	
Installation Year of Tube Well		1954		
Installation Year of Pump		2012		
Capital Cost		4.5 Million Pkr		
Operational Hours		0		
Delivery Pipe	Dia	6"		
	Material	Mild Steel		
Chlorinator		Yes	No	
Chlorination Schedule		Once in a Year	After 6 Months	No Schedule
Apron Around Pump House		Yes	No	
Hoisting Girder		Yes	No	
Civil Structure Condition		Good	Fair	Bad
Approach to Pump House		Good	Fair	Bad
Pump Details				
Pump Type		Turbine		
Pump Make		2012		
Discharge Capacity (Cusec)		1		
Rotational Speed (RPM)		1465		
Housing Dia (inches)		12"		
Bore Depth (ft.)		300		
Head (ft.)		150		
Impeller Installation Depth (ft.)		85		
Paint of Pumping Unit		Good	Fair	Poor
Number of Valves	Gate Valve	1		
	Non-Returning Valve	1		
Base Plate		Yes	No	
Electro-Mechanical Equipment Details				
Transformer Capacity (kVA)		Not Available		
Sanctioned Load (kw)		30		
Motor Power (HP)		40		
Motor Make		Siemens		
MCU		Yes	No	
Earthing of Motor		Yes	No	
Power Wiring		Yes	No	
Service Cable		Yes	No	







Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A1.2	Tube Well Asset Condition Assessment			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			
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
Pump is out of order and main rehabilitation is required.					
Data Collected By: Mr. Abdullah		Designation: Team Member		 Sign & Date: 15 May 2023	
Data Checked By: Mr. M Fiaz		Designation: TeaLead		 Sign & Date: 15 May 2023	

Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A1.3	Tube Well Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Asset Detail			Pictures		
Name		New Kalma Chowk			
Location	Latitude	31.258432			
	Longitude	72.351610			
Address		New Kalma Chowk, Satellite Town			
Area (Marla)		01			
Working Status		Functional	Non- Functional		
Installation Year of Tube Well		1954			
Installation Year of Pump		2008			
Capital Cost		4 Million Pkr			
Operational Hours		6			
Delivery Pipe	Dia	6"			
	Material	Mild Steel			
Chlorinator		Yes	No		
Chlorination Schedule		Once in a Year	After 6 Months	No Schedule	





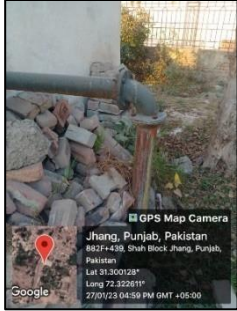




Jhang, Punjab, Pakistan
 Plot 7/18, Y-1 Block Block Y Satellite Town,
 Jhang, Punjab, Pakistan
 Lat 31.266222°
 Long 72.353488°
 27/01/23 12:58 PM GMT +05:00

Integrated Development And Asset Management Plan (IDAMP)						
Municipal Committee Jhang						
Form: IDAMP-A1.3	Tube Well Asset Condition Assessment			Asset Code: _____	Date: 26-01-2023	
Apron Around Pump House	Yes	No				
Hoisting Girder	Yes	No				
Civil Structure Condition	Good	Fair	Bad			
Approach to Pump House	Good	Fair	Bad			
Pump Details						
Pump Type	Turbine					
Pump Make	2008					
Discharge Capacity (Cusec)	1.5					
Rotational Speed (RPM)	1465					
Housing Dia (inches)	12"					
Bore Depth (ft.)	285					
Head (ft.)	150					
Impeller Installation Depth (ft.)	85					
Paint of Pumping Unit	Good	Fair	Poor			
Number of Valves	Gate Valve	1				
	Non-Returning Valve	1				
Base Plate	Yes	No				
Electro-Mechanical Equipment Details						
Transformer Capacity (kVA)	-					
Sanctioned Load (kw)	19					
Motor Power (HP)	40					
Motor Make	Siemens					
MCU	Yes	No				
Earthing of Motor	Yes	No				
Power Wiring	Yes	No				
Service Cable	Yes	No				
Earthing of MCU	Yes	No				
Energy Meter	Yes	No				
Water Meter	Yes	No				
PFI Equipment	Yes	No				
Generator	Yes	No				
Change Over	Yes	No				
Overall Rating						
Average Score	1	2	3	4	5	
Asset Condition	Excellent	Good	Fair	Poor	Failing	
Category	A	B	C	D	E	
Remarks / Requirements						
<ul style="list-style-type: none"> Minor rehabilitation is required. 						
Data Collected By: Mr. Abdullah		Designation: Team Member		 Sign & Date: 15 May 2023		

Integrated Development And Asset Management Plan (IDAMP)		
Municipal Committee Jhang		
Form: IDAMP-A1.3	Tube Well Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023
<i>Data Checked By: Mr. M Fiaz</i>	<i>Designation: Team Lead</i>	 Sign & Date: 15 May 2023

Integrated Development And Asset Management Plan (IDAMP)			
Municipal Committee Jhang			
Form: IDAMP-A1.4	Tube Well Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023	
Asset Detail		Pictures	
Name	Nawaz Sharif Park		
Location	Latitude	31.296881	
	Longitude	72.318540	
Address	Nawaz Sharif Park		
Area (Marla)	01		
Working Status	Functional	Non- Functional	
Installation Year of Tube Well	2011		
Installation Year of Pump	2011		
Capital Cost	4.5 Million Pkr		
Operational Hours	6		
Delivery Pipe	Dia	6"	
	Material	Mild Steel	
Chlorinator	Yes	No	
Chlorination Schedule	Once in a Year	After 6 Months	No Schedule
Apron Around Pump House	Yes	No	
Hoisting Girder	Yes	No	
Civil Structure Condition	Good	Fair	Bad
Approach to Pump House	Good	Fair	Bad
Pump Details			
Pump Type	Turbine		
Pump Make	2011		
Discharge Capacity (Cusec)	0.75		
Rotational Speed (RPM)	1465		
Housing Dia (inches)	8"		
Bore Depth (ft.)	300		
Head (ft.)	150		
Impeller Installation Depth (ft.)	85		
Paint of Pumping Unit	Good	Fair	Poor
	Gate Valve	1	

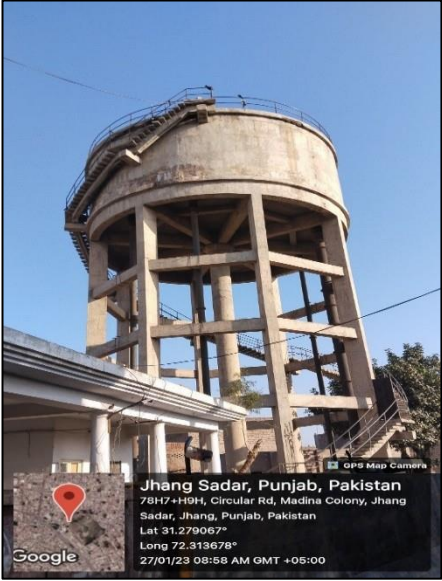






Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A1.4	Tube Well Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Number of Valves	Non-Returning Valve	1			
Base Plate		Yes	No		
Electro-Mechanical Equipment Details					
Transformer Capacity (kVA)		100			
Sanctioned Load (kw)		12			
Motor Power (HP)		40			
Motor Make		Siemens			
MCU		Yes	No		
Earthing of Motor		Yes	No		
Power Wiring		Yes	No		
Service Cable		Yes	No		
Earthing of MCU		Yes	No		
Energy Meter		Yes	No		
Water Meter		Yes	No		
PFI Equipment		Yes	No		
Generator		Yes	No		
Change Over		Yes	No		
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> Minor rehabilitation is required. 					
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	



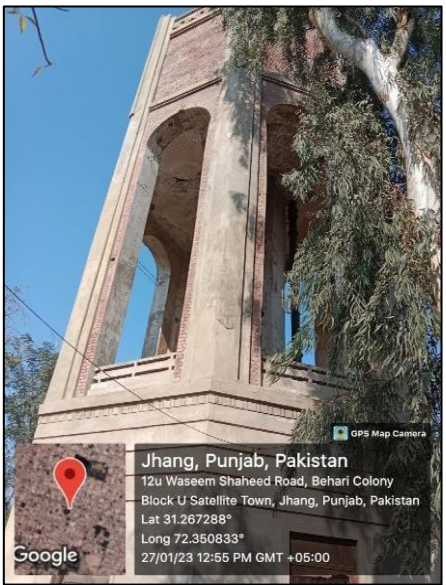
B. OHR



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

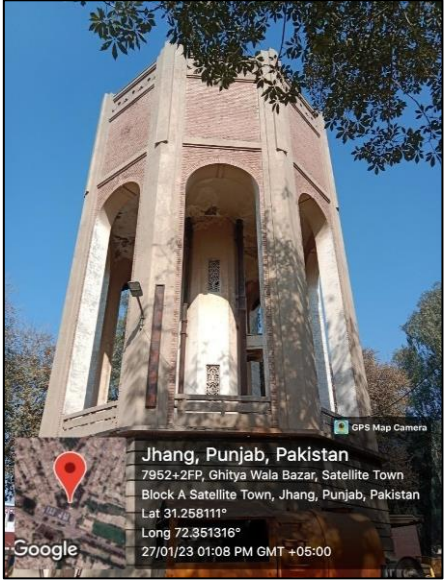
Integrated Development And Asset Management Plan (IDAMP)						
Municipal Committee Jhang						
Form: IDAMP-A2.1		Over Head Reservoir Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Name		MC Office			Pictures	
Location	Latitude	31.279326				
	Longitude	72.313941				
Address		Circular Road, Jhang Sadar				
Year of Construction		2006				
Capacity (UK Gallons)		100,000				
Cleaning Frequency (Per Year)		2				
Type of Structure		R.C.C				
Structure Condition		Good	Fair	Poor		
Tank Conditions		Good	Fair	Poor		
Number of Valves	Sluice Valve	4				
	Non-Returning Valve	1				
Working Status		Functional	Non-Functional			
Rising Main	Dia	10"				
	Material	MS				
Delivery Main	Dia	8"				
	Material	MS				
Overflow & Scour Pipe	Dia	8"				
	Material	MS				
Sluice Valve	Rising Main	Yes	No			
	Delivery Main	Yes	No			
	Scour Pipe	Yes	No			
	Overflow Pipe	Yes	No			
Stair Case		Yes	No			
Apron Around OHR		Yes	No			
Tank Top Railing		Yes	No			
Top Indication Light		Yes	No			
Lightening Arrester		Yes	No			
Boundary Wall & Gate		Yes	No			
Overflow Disposal Arrangements		Yes	No			
Approach to OHR		Good	Fair	Bad		
Overall Rating						
Average Score	1	2	3	4	5	
Asset Condition	Excellent	Good	Fair	Poor	Failing	



Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> Reinforcement at the tank floor was evident and the structure needs rehabilitation 					
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 Development And Asset Management Plan (IDAMP)						
Municipal Committee Jhang						
Form: IDAMP-A2.2		Over Head Reservoir Asset Condition Assessment			Asset Code: _____	
					Date: 26-01-2023	
Name				Behari Colony		
Location	Latitude		31.267288			
	Longitude		72.350833			
Address				Bihari Colony, Satellite Town		
Year of Construction				1954		
Capacity (UK Gallons)				50,000		
Cleaning Frequency (Per Year)				2		
Type of Structure				Brick Masonary		
Structure Condition				Good	Fair	Poor
Tank Conditions				Good	Fair	Poor
Number of Valves	Sluice Valve		4			
	Non-Returning Valve		1			
Working Status				Functional	Non-Functional	
Rising Main	Dia		10"			
	Material		MS			
Delivery Main	Dia		8"			
	Material		MS			
Overflow & Scour Pipe	Dia		6"			
	Material		MS			
Sluice Valve	Rising Main		Yes	No		
	Delivery Main		Yes	No		
	Scour Pipe		Yes	No		
	Overflow Pipe		Yes	No		
Stair Case				Yes	No	
Apron Around OHR				Yes	No	
Tank Top Railing				Yes	No	
Top Indication Light				Yes	No	
Lightening Arrester				Yes	No	
Boundary Wall & Gate				Yes	No	
Overflow Disposal Arrangements				Yes	No	





Approach to OHR		Good	Fair	Bad	
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> 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		 Sign & Date: 15 May 2023	
Data Checked By: Mr. M Fiaz		Designation: Team Lead		 Sign & Date: 15 May 2023	


Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A2.3		Over Head Reservoir Asset Condition Assessment		Asset Code: _____ Date: 26-01-2023	
Name		Kalma Chowk		Pictures	
Location	Latitude	31.258111			
	Longitude	72.351316			
Address		Kalma Chowk, Satellite Town			
Year of Construction		2006			
Capacity (UK Gallons)		50,000			
Cleaning Frequency (Per Year)		2			
Type of Structure		Brick Masonary			
Structure Condition		Good	Fair		Poor
Tank Conditions		Good	Fair		Poor
Number of Valves	Sluice Valve	4			
	Non-Returning Valve	1			
Working Status		Functional	Non-Functional		
Rising Main	Dia	10"			
	Material	MS			
Delivery Main	Dia	8"			
	Material	MS			
Overflow & Scour Pipe	Dia	6"			
	Material	MS			
Sluice Valve	Rising Main	Yes	No		
	Delivery Main	Yes	No		
	Scour Pipe	Yes	No		
	Overflow Pipe	Yes	No		
Stair Case		Yes	No		



Apron Around OHR	Yes	No			
Tank Top Railing	Yes	No			
Top Indication Light	Yes	No			
Lightening Arrester	Yes	No			
Boundary Wall & Gate	Yes	No			
Overflow Disposal Arrangements	Yes	No			
Approach to OHR	Good	Fair	Bad		
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> Structure and tank condition is very poor and deteriorated. So, they need to be rehabilitation. 					
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	



C. Filtration Plant



Sr #	Name	Age (Years)	Condition	Status	Book Value (PKR Mil)	Type	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

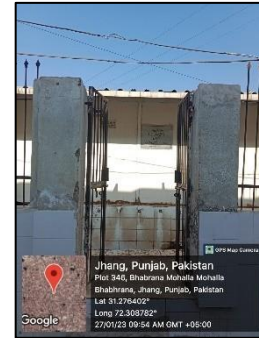
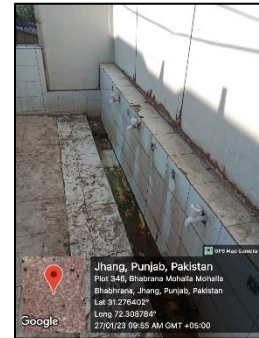
Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A4		Water Filtration Plant Asset Condition Assessment		Asset Code: _____ Date: 26-01-2023	
Name		Rulay Shah		Pictures	
Location	Latitude	31.262771			
	Longitude	72.300108			
Address		Qabristan Rulay Shah			
Installation Year		2017			
Installing Agency		PHED			
O&M Agency		MC Jhang			
Filtration Capacity (Liter/Hour)		2000			
Operational Hours		12			
No. of Taps		8			
Effluent Test (If Available)		No			
Latest water quality analysis carried out?		Not Available			
If yes, which lab and parameters?		Not Available			
Findings of water quality analysis?		Not Available			
In case of any parameter above the permissible limit, which steps are taken to provide safe water?		Not Available			
Plant Type		RO	UV		
Source of Water		Local Tube Well	Public Water Supply		
Working Status		Functional	Non-Functional		
Pumping Unit		Yes	No		
Control Panel		Yes	No		
Service Cable		Yes	No		
Ultraviolet Lamp		Yes	No		
Takeaway Hall Condition		Good	Fair	Poor	
Building Structure Condition		Good	Fair	Poor	
Approach to Pump House		Good	Fair	Poor	
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> • Membrane, pressure pump, panel board needs replacement, • Floor needs rehabilitation, • Taps were missing 					
<i>Data Collected By: Mr. Abdullah</i>		<i>Designation: Team Member</i>			


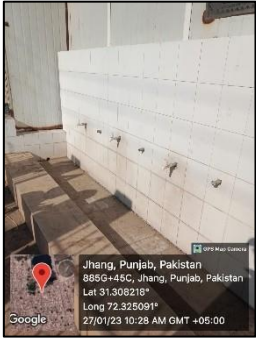


		Sign & Date: 15 May 2023			
Data Checked By: Mr. M Fiaz		Designation: Team Lead			
		 Sign & Date: 15 May 2023			
Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A4.2		Water Filtration Plant Asset Condition Assessment			
		Asset Code: _____ Date: 26-01-2023			
Name		Mohalla Baghwala			
Location	Latitude	31.266185			
	Longitude	72.309110			
Address		Mohalla Baghanwala			
Installation Year		2006			
Installing Agency		PHED			
O&M Agency		MC Jhang			
Filtration Capacity (Liter/Hour)		2000			
Operational Hours		12			
No. of Taps		8			
Effluent Test (If Available)		No			
Latest water quality analysis carried out?		Not Available			
If yes, which lab and parameters?		Not Available			
Findings of water quality analysis?		Not Available			
In case of any parameter above the permissible limit, which steps are taken to provide safe water?		Not Available			
Plant Type	RO	UV			
Source of Water	Local Tube Well	Public Water Supply			
Working Status	Functional	Non-Functional			
Pumping Unit	Yes	No			
Control Panel	Yes	No			
Service Cable	Yes	No			
Ultraviolet Lamp	Yes	No			
Takeaway Hall Condition	Good	Fair	Poor		
Building Structure Condition	Good	Fair	Poor		
Approach to Pump House	Good	Fair	Poor		
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					


<ul style="list-style-type: none"> Filter Media was not working 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


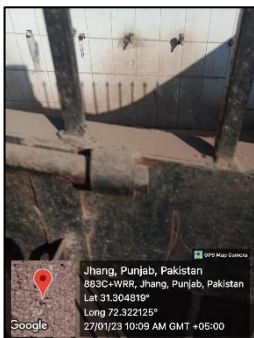

Integrated Development And Asset Management Plan (IDAMP)				
Municipal Committee Jhang				
Form: IDAMP-A4.1	Water Filtration Plant Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023
Name	Ahrar Park			 
Location	Latitude	31.27068		
	Longitude	72.30937		
Address	Ahrar Park			
Installation Year	2013			
Installing Agency	PHED			
O&M Agency	MC Jhang			
Filtration Capacity (Liter/Hour)	2000			
Operational Hours	12			
No. of Taps	8			
Effluent Test (If Available)	No			
Latest water quality analysis carried out?	Not Available			
If yes, which lab and parameters?	Not Available			
Findings of water quality analysis?	Not Available			
In case of any parameter above the permissible limit, which steps are taken to provide safe water?	Not Available			
Plant Type	RO	UV		
Source of Water	Local Tube Well	Public Water Supply		
Working Status	Functional	Non-Functional		
Pumping Unit	Yes	No		
Control Panel	Yes	No		
Service Cable	Yes	No		
Ultraviolet Lamp	Yes	No		
Takeaway Hall Condition	Good	Fair	Poor	
Building Structure Condition	Good	Fair	Poor	
Approach to Pump House	Good	Fair	Poor	



Findings of water quality analysis?	Not Available				
In case of any parameter above the permissible limit, which steps are taken to provide safe water?	Not Available				
Plant Type	RO	UV			
Source of Water	Local Tube Well	Public Water Supply			
Working Status	Functional	Non-Functional			
Pumping Unit	Yes	No			
Control Panel	Yes	No			
Service Cable	Yes	No			
Ultraviolet Lamp	Yes	No			
Takeaway Hall Condition	Good	Fair	Poor		
Building Structure Condition	Good	Fair	Poor		
Approach to Pump House	Good	Fair	Poor		
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> • Pipe Leakage detected • Vessel was not working • 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	






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		Mohalla Farooqia			Pictures
Location	Latitude	31.308111			
	Longitude	72.325079			
Address		Mohalla Farooqia			
Installation Year		2013			
Installing Agency		PHED			
O&M Agency		MC Jhang			
Filtration Capacity (Liter/Hour)		1000			
Operational Hours		12			
No. of Taps		8			
Effluent Test (If Available)		Not Available			
Latest water quality analysis carried out?		Not Available			
If yes, which lab and parameters?		Not Available			
Findings of water quality analysis?		Not Available			
In case of any parameter above the permissible limit, which steps are taken to provide safe water?		Not Available			
Plant Type		RO	UV		
Source of Water		Local Tube Well	Public Water Supply		
Working Status		Functional	Non-Functional		
Pumping Unit		Yes	No		
Control Panel		Yes	No		
Service Cable		Yes	No		
Ultraviolet Lamp		Yes	No		
Takeaway Hall Condition		Good	Fair	Poor	
Building Structure Condition		Good	Fair	Poor	
Approach to Pump House		Good	Fair	Poor	
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> Non-functional as electricity bill was unpaid Vessel, membrane, gauge meter and panel board need to be replaced 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

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		Milad Chowk		Pictures   	
Location	Latitude	31.304880			
	Longitude	72.322074			
Address		Milad Chowk			
Installation Year		2013			
Installing Agency		PHED			
O&M Agency		MC Jhang			
Filtration Capacity (Liter/Hour)		1000			
Operational Hours		12			
No. of Taps		8			
Effluent Test (If Available)		No			
Latest water quality analysis carried out?		Not Available			
If yes, which lab and parameters?		Not Available			
Findings of water quality analysis?		Not Available			
In case of any parameter above the permissible limit, which steps are taken to provide safe water?		Not Available			
Plant Type	RO	UV			
Source of Water	Local Tube Well	Public Water Supply			
Working Status	Functional	Non-Functional			
Pumping Unit	Yes	No			
Control Panel	Yes	No			
Service Cable	Yes	No			
Ultraviolet Lamp	Yes	No			
Takeaway Hall Condition	Good	Fair	Poor		
Building Structure Condition	Good	Fair	Poor		
Approach to Pump House	Good	Fair	Poor		
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					

<ul style="list-style-type: none"> • Non-functional from 3 months • 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


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		Lari Adda	 
Location	Latitude	31.288780	
	Longitude	72.324340	
Address		Lari Adda	
Installation Year		2017	
Installing Agency		PHED	
O&M Agency		MC Jhang	
Filtration Capacity (Liter/Hour)		2000	
Operational Hours		12	
No. of Taps		8	
Effluent Test (If Available)		No	
Latest water quality analysis carried out?		Not Available	
If yes, which lab and parameters?		Not Available	
Findings of water quality analysis?		Not Available	
In case of any parameter above the permissible limit, which steps are taken to provide safe water?		Not Available	
Plant Type	RO	UV	
Source of Water	Local Tube Well	Public Water Supply	
Working Status	Functional	Non-Functional	
Pumping Unit	Yes	No	
Control Panel	Yes	No	
Service Cable	Yes	No	
Ultraviolet Lamp	Yes	No	
Takeaway Hall Condition	Good	Fair	Poor
Building Structure Condition	Good	Fair	Poor
Approach to Pump House	Good	Fair	Poor


				
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Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E

Remarks / Requirements

- Tank Leakage
- Door was missing
- Floor needs rehabilitation
- Taps were missing


Data Collected By: Mr. Abdullah	Designation: Team Member	 Sign & Date: 15 May 2023
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Data Checked By: Mr. M Fiaz	Designation: Team Lead	 Sign & Date: 15 May 2023
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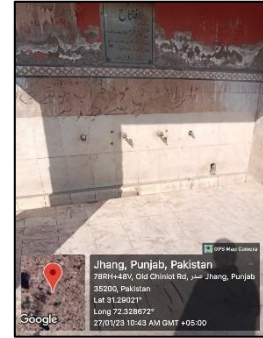
Integrated Development And Asset Management Plan (IDAMP)

Municipal Committee Jhang

Form: IDAMP-A4	Water Filtration Plant Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023
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	Name	Rasheed Chowk	Pictures
Location	Latitude	31.290210	
	Longitude	72.328672	
Address		Rasheed Chowk	
Installation Year		2017	
Installing Agency		MC Jhang	
O&M Agency		MC Jhang	
Filtration Capacity (Liter/Hour)		2000	
Operational Hours		12	
No. of Taps		6	
Effluent Test (If Available)		No	
Latest water quality analysis carried out?		Not Available	
If yes, which lab and parameters?		Not Available	
Findings of water quality analysis?		Not Available	


In case of any parameter above the permissible limit, which steps are taken to provide safe water?	Not Available		
Plant Type	RO	UV	
Source of Water	Local Tube Well	Public Water Supply	
Working Status	Functional	Non-Functional	
Pumping Unit	Yes	No	
Control Panel	Yes	No	
Service Cable	Yes	No	
Ultraviolet Lamp	Yes	No	
Takeaway Hall Condition	Good	Fair	Poor
Building Structure Condition	Good	Fair	Poor
Approach to Pump House	Good	Fair	Poor



Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E

Remarks / Requirements					
<ul style="list-style-type: none"> Non-functional from 1 month Replace dosing pump, electric breaker and entire panel board Filter Media was not working Floor needs rehabilitation Taps were missing 					

Data Collected By: Mr. Abdullah	Designation: Team Member	 Sign & Date: 15 May 2023
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Data Checked By: Mr. M Fiaz	Designation: Team Lead	 Sign & Date: 15 May 2023
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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	
Location	Latitude	31.283958			
	Longitude	72.327682			
Address	Jail Road Shadab Colony				
Installation Year	2017				
Installing Agency	Buildings Department				



O&M Agency	MC Jhang		
Filtration Capacity (Liter/Hour)	2000		
Operational Hours	12		
No. of Taps	8		
Effluent Test (If Available)	No		
Latest water quality analysis carried out?	Not Available		
If yes, which lab and parameters?	Not Available		
Findings of water quality analysis?	Not Available		
In case of any parameter above the permissible limit, which steps are taken to provide safe water?	Not Available		
Plant Type	RO	UV	
Source of Water	Local Tube Well	Public Water Supply	
Working Status	Functional	Non-Functional	
Pumping Unit	Yes	No	
Control Panel	Yes	No	
Service Cable	Yes	No	
Ultraviolet Lamp	Yes	No	
Takeaway Hall Condition	Good	Fair	Poor
Building Structure Condition	Good	Fair	Poor
Approach to Pump House	Good	Fair	Poor






Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E




Remarks / Requirements



- Pipe Leakage
- Vessel not working
- 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

Municipal Committee Jhang					
Form: IDAMP-A4		Water Filtration Plant Asset Condition Assessment			Asset Code: _____
					Date: 26-01-2023
Name		Sadiqabad			Pictures
Location	Latitude	31.250046			
	Longitude	72.353806			
Address		Sadiqabad, Satellite Town			
Installation Year		2017			
Installing Agency		PHED			
O&M Agency		MC Jhang			
Filtration Capacity (Liter/Hour)		2000			
Operational Hours		12			
No. of Taps		8			
Effluent Test (If Available)		No			
Latest water quality analysis carried out?		Not Available			
If yes, which lab and parameters?		Not Available			
Findings of water quality analysis?		Not Available			
In case of any parameter above the permissible limit, which steps are taken to provide safe water?		Not Available			
Plant Type		RO	UV		
Source of Water		Local Tube Well	Public Water Supply		
Working Status		Functional	Non-Functional		
Pumping Unit		Yes	No		
Control Panel		Yes	No		
Service Cable		Yes	No		
Ultraviolet Lamp		Yes	No		
Takeaway Hall Condition		Good	Fair	Poor	
Building Structure Condition		Good	Fair	Poor	
Approach to Pump House		Good	Fair	Poor	
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> Membrane, Panel board, butterfly valve, golden pump needs replacement new bore required Floor needs rehabilitation 					
<i>Data Collected By: Mr. Abdullah</i>		<i>Designation: Team Member</i>		 Sign & Date: 15 May 2023	



Data Checked By: Mr. M Fiaz	Designation: Team Lead	 Sign & Date: 15 May 2023
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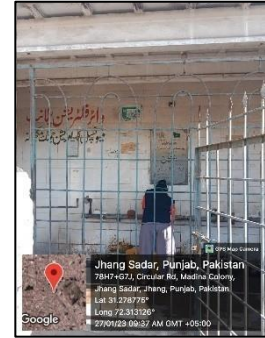
Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A4		Water Filtration Plant Asset Condition Assessment		Asset Code: _____ Date: 26-01-2023	
Name		Behari Colony		<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 10px;">  <p style="font-size: 8px;">Naya Shehar, Punjab, Pakistan PHED - PH, Hassan Road, Behari Colony Block X Satellite Town, Naya Shehar, Jhang, Punjab, Pakistan Lat: 31.267302° Long: 72.305853° 27/01/23 12:49 PM GMT +05:00</p> </div> <div style="margin-bottom: 10px;">  <p style="font-size: 8px;">Jhang, Punjab, Pakistan 12 U Western Sharned Road, Behari Colony Block U Satellite Town, Jhang, Punjab, Pakistan Lat: 31.267302° Long: 72.305853° 27/01/23 12:51 PM GMT +05:00</p> </div> <div>  <p style="font-size: 8px;">Jhang, Punjab, Pakistan 12 U, Behari Colony Block U Satellite Town, Jhang, Punjab, Pakistan Lat: 31.267481° Long: 72.350723° 27/01/23 12:49 PM GMT +05:00</p> </div> </div>	
Location	Latitude	31.267302			
	Longitude	72.305853			
Address		Behari Colony			
Installation Year		2013			
Installing Agency		PHED			
O&M Agency		MC Jhang			
Filtration (Liter/Hour)	Capacity	1000			
Operational Hours		12			
No. of Taps		8			
Effluent Test (If Available)		No			
Latest water quality analysis carried out?		Not Available			
If yes, which lab and parameters?		Not Available			
Findings of water quality analysis?		Not Available			
In case of any parameter above the permissible limit, which steps are taken to provide safe water?		Not Available			
Plant Type	RO	UV			
Source of Water	Local Tube Well	Public Water Supply			
Working Status	Functional	Non-Functional			
Pumping Unit	Yes	No			
Control Panel	Yes	No			
Service Cable	Yes	No			
Ultraviolet Lamp	Yes	No			
Takeaway Hall Condition	Good	Fair	Poor		
Building Structure Condition	Good	Fair	Poor		
Approach to Pump House	Good	Fair	Poor		
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> Non-functional from 1 month 					

<ul style="list-style-type: none"> • Bore closed • 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

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		Faisalabad Jalalabad	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="margin-bottom: 20px;">  </div> <div>  </div> </div>	
Location	Latitude	31.280209		
	Longitude	72.329305		
Address		Faisalabad Jalalabad		
Installation Year		2006		
Installing Agency		C&W		
O&M Agency		MC Jhang		
Filtration Capacity (Liter/Hour)		2000		
Operational Hours		12		
No. of Taps		8		
Effluent Test (If Available)		No		
Latest water quality analysis carried out?		Not Available		
If yes, which lab and parameters?		Not Available		
Findings of water quality analysis?		Not Available		
In case of any parameter above the permissible limit, which steps are taken to provide safe water?		Not Available		
Plant Type		RO	UV	
Source of Water		Local Tube Well	Public Water Supply	
Working Status		Functional	Non-Functional	
Pumping Unit		Yes	No	
Control Panel		Yes	No	
Service Cable		Yes	No	
Ultraviolet Lamp		Yes	No	
Takeaway Hall Condition		Good	Fair	Poor
Building Structure Condition		Good	Fair	Poor
Approach to Pump House		Good	Fair	Poor


					
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> • Non-functional from 1 month • Pump Leakage • all machinery needs to be replaced, • 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	
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	MC Office		Pictures		
Location	Latitude	31.278869			
	Longitude	72.313138			
Address		Circular Road, Near Tanga Adda			
Installation Year		2006			
Installing Agency		EPD			
O&M Agency		MC Jhang			
Filtration Capacity (Liter/Hour)		2000			
Operational Hours		12			
No. of Taps		8			
Effluent Test (If Available)		No			
Latest water quality analysis carried out?		Not Available			
If yes, which lab and parameters?		Not Available			
Findings of water quality analysis?		Not Available			


In case of any parameter above the permissible limit, which steps are taken to provide safe water?	Not Available				
Plant Type	RO	UV			
Source of Water	Local Tube Well	Public Water Supply			
Working Status	Functional	Non-Functional			
Pumping Unit	Yes	No			
Control Panel	Yes	No			
Service Cable	Yes	No			
Ultraviolet Lamp	Yes	No			
Takeaway Hall Condition	Good	Fair	Poor		
Building Structure Condition	Good	Fair	Poor		
Approach to Pump House	Good	Fair	Poor		
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> Filter Media was not working Filter box with frame needs replacement Floor needs rehabilitation 					
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		



D. Water Supply Network



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


Integrated Development And Asset Management Plan (IDAMP)						
Municipal Committee Jhang						
Form: IDAMP-A5	Water Supply Network Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023		
Description	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 Area	639	10,045	6	5621	11	
Contaminated Area	-		-			
Water Shortage Area	-		-			
Unserved Area	4,982		49		89	
Latest water quality analysis carried out for community network?	Yes			No		
If yes, which lab and parameters?	Not Available					
Findings of water quality analysis?	Not Available					
In case of any parameter above the permissible limit of PEQs, which steps are taken to provide safe drinking water to the consumers?	Not Available					
Any complaints of water contamination received from the consumers?	Yes			No		
If yes, which steps were taken to resolve the complaints?	Not Available					
Pipe Dia (inches)	Pipe Material	Length (ft)	Year of Laying		Age of Pipe	
3	-	-	-		-	
4	A.C	800	1986		37 Years	
6	A.C	6150	1986		37 Years	
8	A.C	2200	1986		37 Years	
10	A.C	900	1986		37 Years	
12	A.C	1500	1986		37 Years	
Remarks / Requirements						
<ul style="list-style-type: none"> As per bench mark Pipes had out lived their life. 						
Data Collected By: Mr. Abdullah		Designation: Team Member				

		<i>Sign & Date: 15 May 2023</i>
<i>Data Checked By: Mr. M Fiaz</i>	<i>Designation: Team Lead</i>	 <i>Sign & Date: 15 May 2023</i>

E. Vehicles/ Machinery

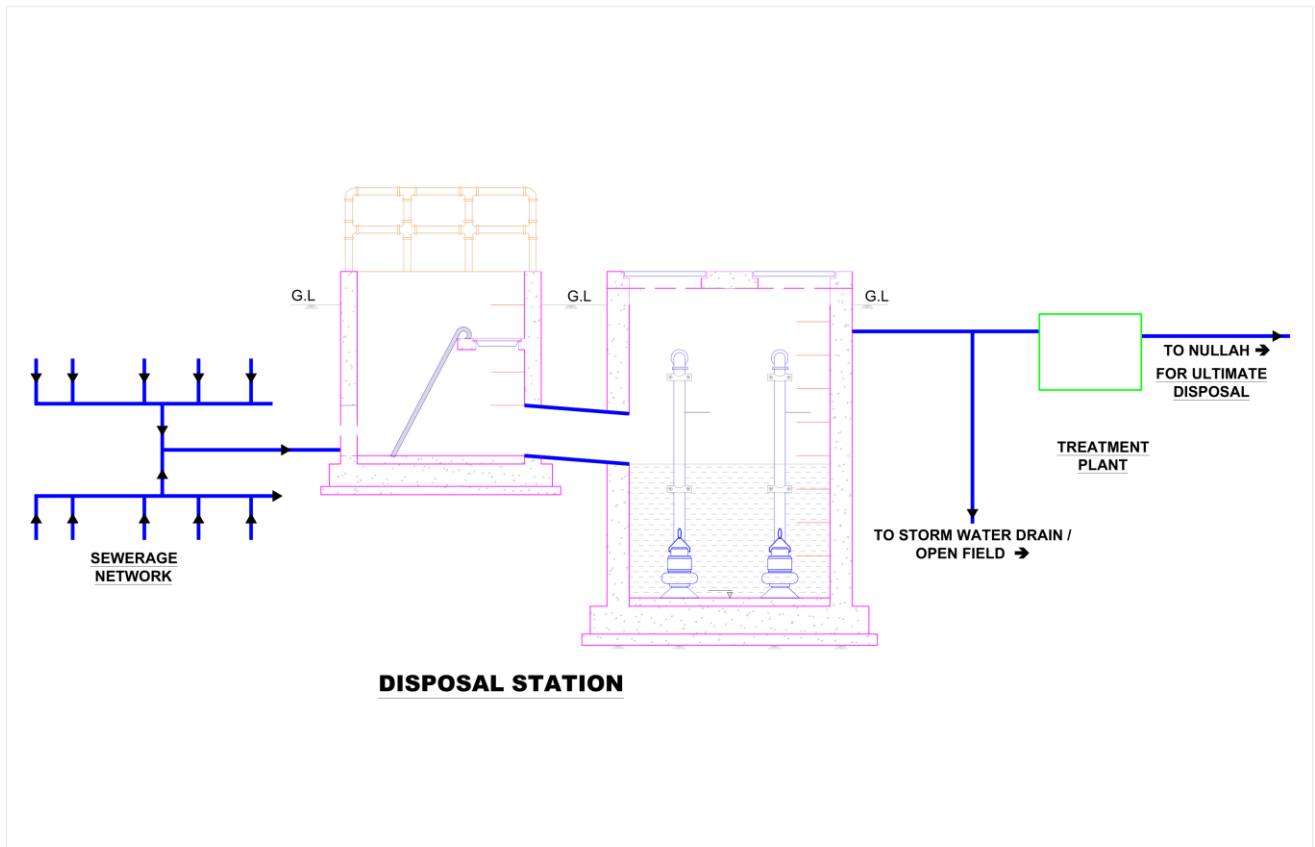
Sr #	Name	Registration Number	Age (Years)	Condition	Status	Book Value (PKR Mil)	Capacity
1	Water Bowser	JGG 1053	17	Good	Functional	0.4	85 Hp
2	Water Bowser	JGG 1054	17	good	Functional	0.4	85 Hp

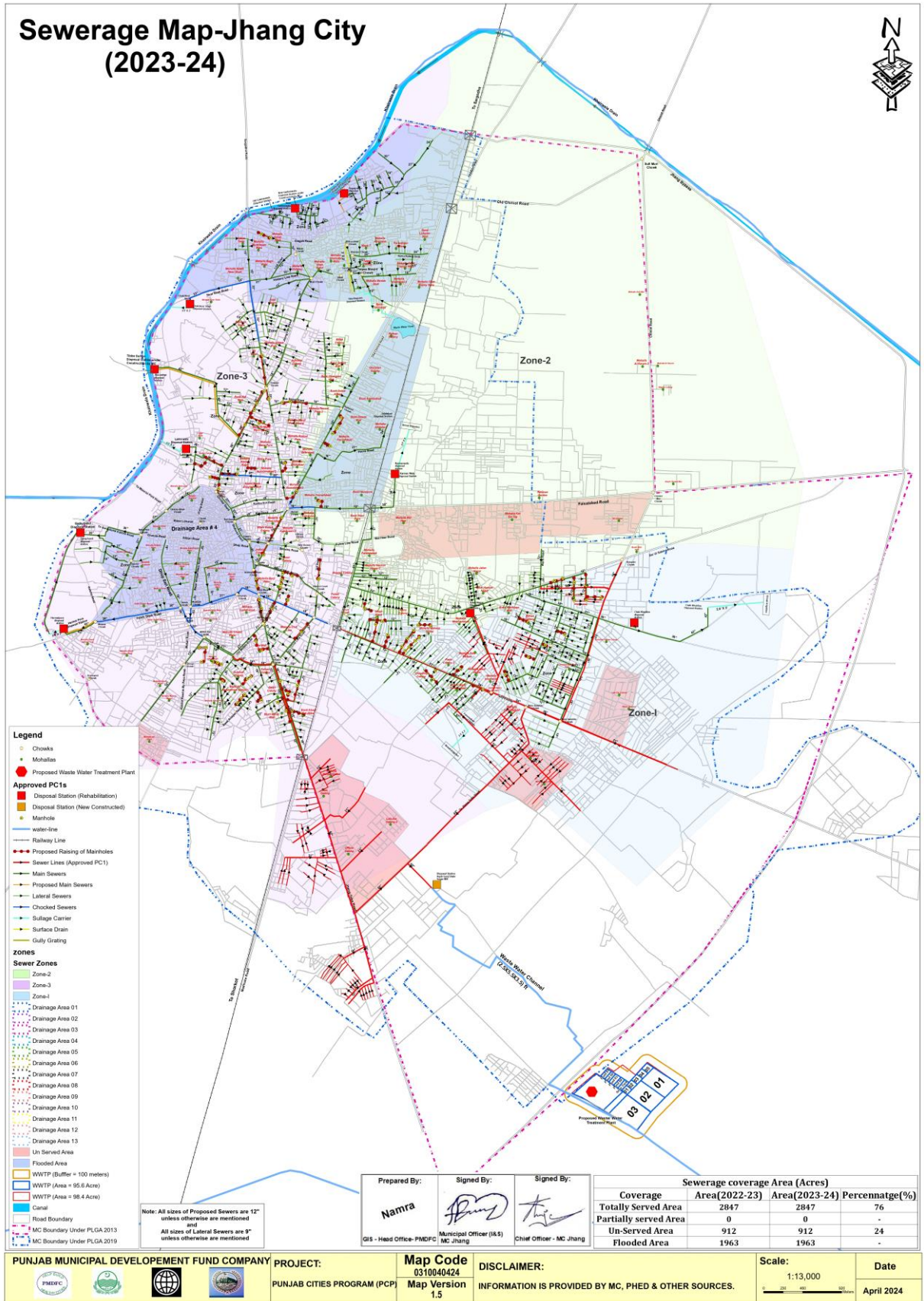
Integrated Development and Asset Management Plan (IDAMP)		
Municipal Committee Jhang		
Form: IDAMP-A16	Moveable Asset Asset Condition Assessment	Asset Code: _____ Date: 27-03-2023
Type of Vehicle / Machinery	Pictures	
Water Bowser		
	Water Bowser No.1	Water Bowser No. 2
Capacity	500 gallons	500 gallons
Purpose	Water Supply	Water Supply
Year of Manufacturing	2006	2006
Model	FIAT NH 640	FIAT NH 640
Capital Cost	Not Available	Not Available
Fuel Consumption (Liters/month)	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		
<ul style="list-style-type: none"> These vehicles already out lived their lives but functioning. 		
<i>Data Collected By: Mr. Abdullah</i>	<i>Designation: Team Member</i>	 <i>Sign & Date: 15 May 2023</i>

<p>Data Checked By: Mr. M Fiaz</p>	<p>Designation: Team Lead</p>	 <p>Sign & Date: 15 May 2023</p>
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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	9	Excellent	0.18	RCC
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			1.24	
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			0.07	
21	9"	2,847	38	Failing	0.05	
22	15"	589			0.03	
23	18"	551			0.04	
24	21"	1,573			0.045	
25	24"	1,024			0.01	
26	27"	488			0.01	
27	30"	1,053			1.53	
28	9"	6,247	8	Excellent	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			0.17	
34	27"	213			0.98	
35	30"	958			1.68	
36	33"	1,413			1.33	
37	36"	1,009			3.55	
38	42"	2,076			0	
39	15"	604	47	Failing	0	
40	18"	619			0	
41	21"	605			0	
42	24"	296			0	
43	27"	968			0.03	
44	9"	317	31	Failing	0.00	
45	15"	80			0.00	



Sr #	Dia	Length (meter)	Age (Years)	Condition	Book Value (PKR Mil)	Material
46	18"	944			0.01	
47	24"	374			0.00	
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			1.48	
55	18"	3,255			0.69	
56	21"	4,073			1.11	
57	24"	4,383	17	Fair	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	48	Failing	0	
71	12"	2,351			0	
72	15"	1,053			0	
73	18"	833			0	
74	9"	4,158	19	Fair	0.13	
75	12"	174			0.01	
76	15"	237			0.01	
77	9"	1,279	28	Failing	0.02	
78	12"	754			0.01	
79	15"	1,258			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 Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Description	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 Area	2,847	10,045	28	5,621	50
Flooded Area	1,863		20		33
Unserved Area	912		9		17
Type and number of complaints received to MC regarding sewerage system?	300/Month				
Steps considered by MC to resolve the complaints	Not Available				
Name of Disposal Station		Goghaywala			
Pipe Dia (inches)	Pipe Material	Length (ft)	No. of Manholes	Year of Laying	Age of Pipe
9	RCC	2,584	52	2014-16	7-9 Years
12	RCC	2,202	22	2014-16	7-9 Years

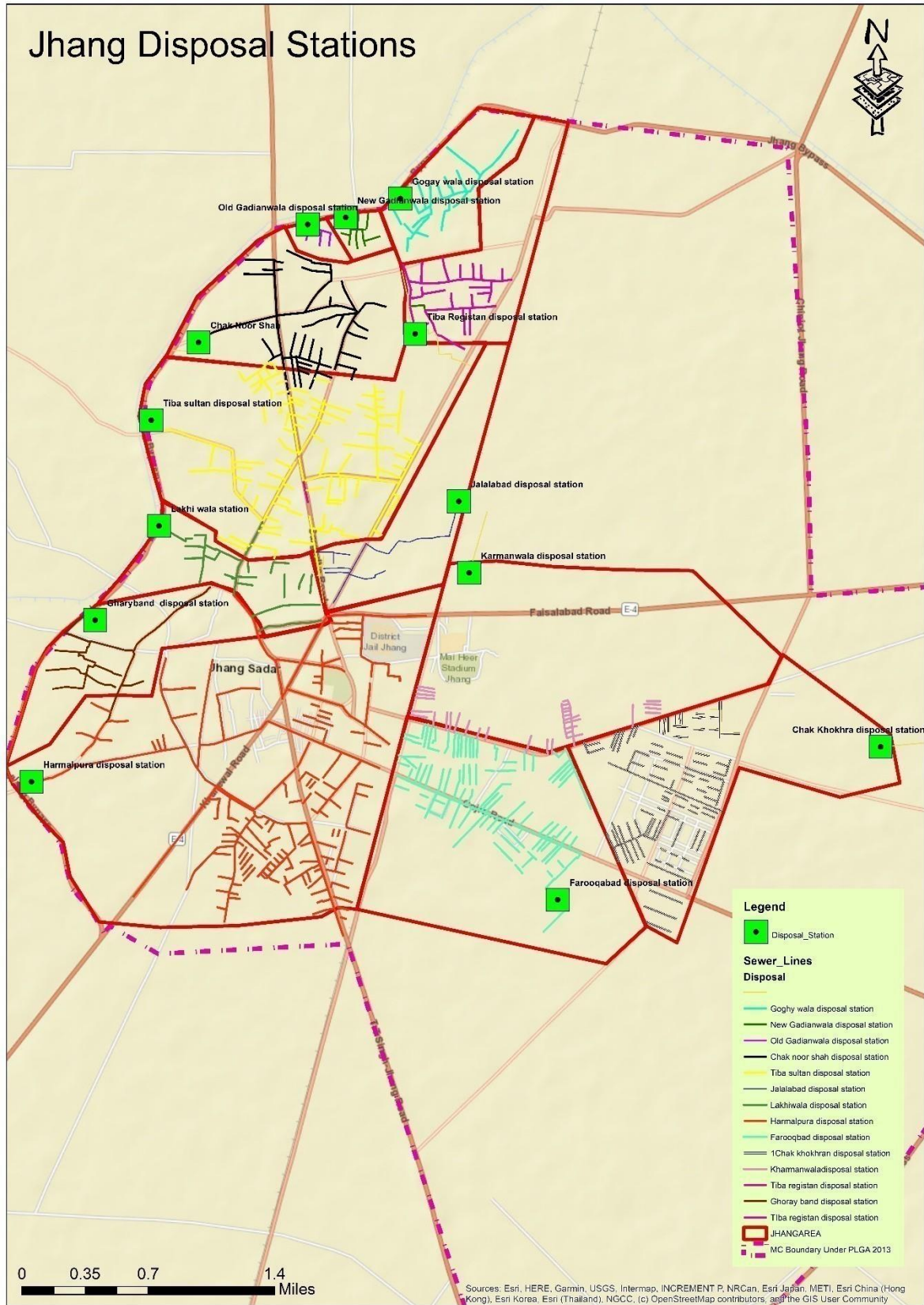
Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A6	Sewerage Network Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
15	RCC	1,795	12	2014-16	7-9 Years
18	RCC	1,209	6	2014-16	7-9 Years
21	RCC	996	4	2014-16	7-9 Years
24	RCC	834	3	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
Name of Disposal Station		New Gadianwala			
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 Disposal Station		Old Gadianwala			
Pipe Dia (inches)	Pipe Material	Length (ft)	No. of Manholes	Year of Laying	Age of Pipe
9	-	-	-	-	-
12	RCC	608	6	2014-16	7-9 Years
15	RCC	962	6	2014-16	7-9 Years
18	RCC	637	3	2014-16	7-9 Years
Name of Disposal Station		Chak Noor Shah			
Pipe Dia (inches)	Pipe Material	Length (ft)	No. of Manholes	Year of Laying	Age of Pipe
9	RCC	9,342	187	1985-86	37-38 Years
12	-	-	-	-	-
15	RCC	1,934	13	1985-86	37-38 Years
18	RCC	1,807	9	1985-86	37-38 Years
21	RCC	5,161	21	1985-86	37-38 Years
24	RCC	3,361	13	1985-86	37-38 Years
27	RCC	1,601	5	1985-86	37-38 Years
30	RCC	3,456	12	1985-86	37-38 Years
Name of Disposal Station		Tiba Sultan			
Pipe Dia (inches)	Pipe Material	Length (ft)	No. of Manholes	Year of Laying	Age of Pipe
9	RCC	20,495	410	2015-16	7-8 Years
12	RCC	8,442	84	2015-16	7-8 Years
15	RCC	9,209	61	2015-16	7-8 Years
18	RCC	4,901	25	2015-16	7-8 Years
21	RCC	5,376	22	2015-16	7-8 Years
24	RCC	1,260	5	2015-16	7-8 Years
27	RCC	700	2	2015-16	7-8 Years
30	RCC	3,144	10	2015-16	7-8 Years
33	RCC	4,637	15	2015-16	7-8 Years

Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A6	Sewerage Network Asset Condition Assessment			Asset Code: _____ 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 Disposal Station		Harmalpur			
Pipe Dia (inches)	Pipe Material	Length (ft)	No. of Manholes	Year of Laying	Age of Pipe
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
Name of Disposal 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 Disposal Station		Gharyband			
Pipe Dia (inches)	Pipe Material	Length (ft)	No. of Manholes	Year of Laying	Age of Pipe
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
Name of Disposal 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

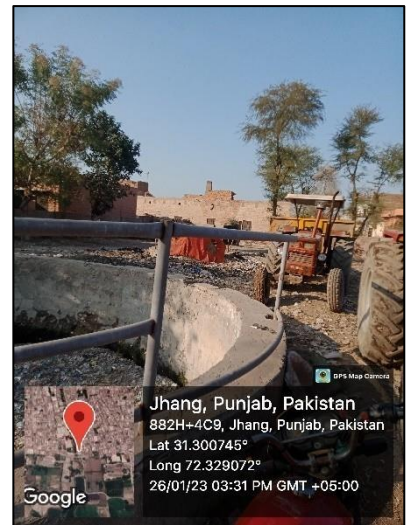
Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A6	Sewerage Network Asset Condition Assessment			Asset Code: _____	Date: 26-01-2023
27	RCC	2,007	7	1992-93	30-31 Years
Name of Disposal Station		Chak Khokhran			
Pipe Dia (inches)	Pipe Material	Length (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 Disposal 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 Disposal 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 / Requirements					
• No remarks					
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	

A. Disposal Station



Sr #	Name	Age (Years)		Condition	Status	Book Value (PKR Mil)	Nos. of pump	Discharge Each (Cusec)	Motor hp	Pump Make	Motor Make
		Civil Structure	Pump								
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	TECHO
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 Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A7		Sewerage Disposal Station Asset Condition Assessment			Asset Code: _____
					Date: 26-01-2023
Asset Detail				Pictures	
Name		Tibba Registan			
Location	Latitude	31.30021			
	Longitude	72.32891			
Address		Tibba Registan			
Area (Acres)		0.5			
Installation Year		2002			
Capital Cost		6 Million Pkr			
Outfall Drain Sewer	Dia	42"			
	Material	RCC			
Screening Chamber	No. of Screens	1			
	Screen Condition	Good	Fair	Poor	
	Chamber Structure	Masonry			
Wet Wells	Number	2			
	Shape	Rectangular	Circular		
	Size	20'			
	Structure	Masonry	RCC		
	Railing	Yes	No		
Force Main	No. of Delivery Pipes	No Force Main			
	Dia				
	Material				
	Starting Point				
	Ending Point				
	Length				
Sullage Carrier	Size	2.5'x3'			
	Shape	Rectangular			
	Length	350'			
	Condition	Good	Fair	Poor	
Delivery Pipe	Dia	6"			
	Material	C.I			
Suction Pipe	Dia	6"			
	Material	C.I			
Number of Valves	Sluice Valves	4			
	Non-Return Valves	2			
	Penstock Valves	1			
Ultimate Disposal		Waste Water Pond			
Civil Structure Condition		Good	Fair	Poor	
Control Room Structure		Good	Fair	Poor	
Discharge Box Structure		Good	Fair	Poor	
Approach to Pump House		Good	Fair	Poor	
Hoisting Girder		Yes		No	
Boundary Wall & Gate		Yes		No	
Treatment of Sewage		Yes		No	
Wastewater daily discharge in m3/day?		4769			



Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
(based on available information at MC)					
Ultimate disposal of wastewater?		Waste Water Pond			
Electro-Mechanical Equipment Details					
Number of WAPDA Feeders		2			
Transformer Capacity (kVA)		100, 100			
Number of MCU		2			
Sanctioned Load (kw)		45			
Power Factor Improvement Equipment	Yes	No			
Service Cable	Yes	No			
Power Wiring	Yes	No			
Earthing of Motor	Yes	No			
Earthing of MCU	Yes	No			
Generator Availability	Yes	No			
Light Wiring of Pump House	Yes	No			
Change Over	Yes	No			
Pump Detail					
		Pump A		Pump B	
Pump Type		Centrifugal/ Non-Clogging		Centrifugal/ Non-Clogging	
Pump Brand		KSB		KSB	
Pump Paint		Good	Fair	Poor	Good
Motor Brand		Siemens		Siemens	
Installation Year of Pump		2002		2002	
Discharge Capacity (Cusecs)		2		2	
Rotational Speed (RPM)		960		960	
Head (ft.)		40		40	
Motor Power (HP)		30		30	
Pump Daily Running Time (Hours)		12		16	
Base Plate		Yes	No	Yes	No
Number of Valves	Sluice Valve	4			
	Non-Returning Valve	2			
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> No power factor, There is no proper screen due to which wet wells are filled with solid wastes Screening chamber needs to be installed . Two kinds of sewers feed this DS, one 36" sewer and an open drain. This drain needs to be covered to avoid SW mixing and avoid environmental pollution. Sludge carrier exits into Open Fields which produces harmful vegetables for people. Proper arrangement for disposing off sludge is required. 					



Integrated Development And Asset Management Plan (IDAMP)		
Municipal Committee Jhang		
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment	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 Development And Asset Management Plan (IDAMP)		
Municipal Committee Jhang		
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023
Asset Detail		Pictures
Name	Goghaywala	
Location	Latitude	31.311886
	Longitude	72.328207
Address	Goghaywala	
Area (Acres)	0.75	
Installation Year	Under Construction	
Capital Cost	Not Available	
Outfall Drain Sewer	Dia	36"
	Material	RCC
Screening Chamber	No. of Screens	1
	Screen Condition	Good Fair Poor
	Chamber Structure	Masonry
Wet Wells	Number	2
	Shape	Rectangular Circular
	Size	25'
	Structure	Masonry RCC
Railing	Yes	No
Force Main	No. of Delivery Pipes	No Force Main
	Dia	
	Material	
	Starting Point	
	Ending Point	
Sullage Carrier	Length	2.5'x3'
	Shape	Rectangular
	Condition	Good Fair Poor
	Delivery Pipe	Dia

PC1 for Rehabilitation has been submitted, the information filled in the proforma taken from PC1

Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Suction Pipe	Material				
	Dia				
Number of Valves	Material				
	Sluice Valves				
	Non-Return Valves				
	Penstock Valves				
Ultimate Disposal		Khairanwala Drain			
Civil Structure Condition		Good	Fair	Poor	
Control Room Structure		Good	Fair	Poor	
Discharge Box Structure		Good	Fair	Poor	
Approach to Pump House		Good	Fair	Poor	
Hoisting Girder		Yes	No		
Boundary Wall & Gate		Yes		No	
Treatment of Sewage		Yes	No		
Wastewater daily discharge in m3/day? (based on available information at MC)		Not Available			
Ultimate disposal of wastewater?					
Electro-Mechanical Equipment Details					
Number of WAPDA Feeders		1			
Transformer Capacity (kVA)		200			
Number of MCU					
Sanctioned Load (kw)					
Power Factor Improvement Equipment		Yes	No		
Service Cable		Yes	No		
Power Wiring		Yes	No		
Earthing of Motor		Yes	No		
Earthing of MCU		Yes	No		
Generator Availability		Yes	No		
Light Wiring of Pump House		Yes	No		
Change Over		Yes	No		
Pump Detail					
		Pump A		Pump B	
Pump Type		Not Installed yet			
Pump Brand					
Pump Paint					
Motor Brand					
Installation Year of Pump					
Discharge Capacity (Cusecs)					
Rotational Speed (RPM)					
Head (ft.)					
Motor Power (HP)					
Pump Daily Running Time (Hours)					
Base Plate		Yes	No	Yes	No
Sluice Valve		4			




Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment				Asset Code: _____ Date: 26-01-2023
Number of Valves	Non-Returning Valve	2			
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> Complete the construction/Rehabilitation works as soon as possible. Completion of whole machinery and electrical works are to be required without further delay Remaining work of pump house needs to be completed Sewer lines are missing Pumping machinery is required to be installed Provide Inter connections of pipes and MS screens. Join incoming sewer lines to existing drainage system System for SWM, as it has huge piles of solid wastes. Generate Automatic Controller System for working 					
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 Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment				Asset Code: _____ Date: 26-01-2023
Asset Detail			Pictures		
Name	New Gadianwala				
Location	Latitude	31.30963			
	Longitude	72.32130			
Address	New Gadianwala, Bypass Road, Jhang				
Area (Acres)	1.6				
Installation Year	2004 (under construction)				
Capital Cost					
Outfall Drain Sewer	Dia	42"			
	Material	RCC			
Screening Chamber	No. of Screens	1			
	Screen Condition	Good	Fair	Poor	

PC1 for Rehabilitation has been submitted, the information filled in the proforma taken from PC1


Integrated Development And Asset Management Plan (IDAMP)				
Municipal Committee Jhang				
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023
	Chamber Structure	Masonry		
Wet Wells	Number	1		
	Shape	Rectangular	Circular	
	Size	20'		
	Structure	Masonry	RCC	
	Railing	Yes	No	
Delivery Pipe	No. of Delivery Pipes	2		
	Dia	8"		
	Material	C.I		
	Starting Point			
	Ending Point			
	Length	70'		
Sullage Carrier	Size	4'x4'		
	Shape	Square		
	Length	60'		
	Condition	Good	Fair	Poor
Delivery Pipe	Dia			
	Material			
Suction Pipe	Dia			
	Material			
Number of Valves	Sluice Valves			
	Non-Return Valves			
	Penstock Valves			
Ultimate Disposal		Khairanwala Drain		
Civil Structure Condition	Good	Fair	Poor	
Control Room Structure	Good	Fair	Poor	
Discharge Box Structure	Good	Fair	Poor	
Approach to Pump House	Good	Fair	Poor	
Hoisting Girder	Yes		No	
Boundary Wall & Gate	Yes	No		
Treatment of Sewage	Yes	No		
Wastewater daily discharge in m3/day? (based on available information at MC)	Not Available			
Ultimate disposal of wastewater?				
Electro-Mechanical Equipment Details				
Number of WAPDA Feeders				
Transformer Capacity (kVA)				
Number of MCU				
Sanctioned Load (kw)				
Power Factor Improvement Equipment	Yes	No		
Service Cable	Yes	No		
Power Wiring	Yes	No		
Earthing of Motor	Yes	No		





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Lat 31.309772°
Long 72.321037°
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Jhang, Punjab, Pakistan
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Lat 31.308837°
Long 72.321658°
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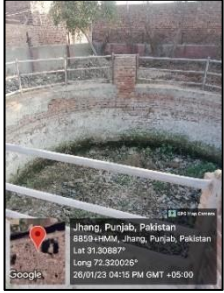



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Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Earthing of MCU	Yes	No			
Generator Availability	Yes	No			
Light Wiring of Pump House	Yes	No			
Change Over	Yes	No			
Pump Detail					
	Pump A			Pump B	
Pump Type	Not Installed Yet				
Pump Brand					
Pump Paint					
Motor Brand					
Installation Year of Pump					
Discharge Capacity (Cusecs)					
Rotational Speed (RPM)					
Head (ft.)					
Motor Power (HP)					
Pump Daily Running Time (Hours)					
Base Plate	Yes	No		Yes	No
Number of Valves	Sluice Valve	3			
	Non-Returning Valve	2			
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> Complete the construction/Rehabilitation works as soon as possible. Completion of whole machinery and electrical works are to be required without further delay Remaining work of pump house needs to be completed Sewer lines are missing Pumping machinery is required Provide Inter connections of pipes and MS screens. Join incoming sewer lines to existing drainage system Generate Automatic Controller System for working Install proper boundary wall and complete the civil works. Install dewatering pumps and repair the wet wells. Install Generators as electricity backup. 					
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 Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Asset Detail				Pictures	
Name		Old Gadianwala			
Location	Latitude	31.30932			
	Longitude	72.31934			
Address					
Area (Acres)		0.15			
Installation Year		1980			
Capital Cost					
Outfall Drain Sewer	Dia	18"			
	Material	RCC			
Screening Chamber	No. of Screens	1			
	Screen Condition	Good	Fair	Poor	
	Chamber Structure	Masonry			
Wet Wells	Number	1			
	Shape	Rectangular	Circular		
	Size	15'			
	Structure	Masonry	RCC		
	Railing	Yes	No		
Delivery Pipe	No. of Delivery Pipes				
	Dia				
	Material				
	Starting Point				
	Ending Point				
Sullage Carrier	Length				
	Size	2.5'x3'			
	Shape	Rectangular			
	Condition	Good		Poor	
Delivery Pipe	Dia				
	Material				
Suction Pipe	Dia				
	Material				
Number of Valves	Sluice Valves				
	Non-Return Valves				
	Penstock Valves	3			
Ultimate Disposal		Khairanwala Drain			
Civil Structure Condition		Good	Fair	Poor	
Control Room Structure		Good	Fair	Poor	
Discharge Box Structure		Good	Fair	Poor	
Approach to Pump House		Good	Fair	Poor	
Hoisting Girder		Yes		No	
Boundary Wall & Gate		Yes		No	
Treatment of Sewage		Yes		No	
Wastewater daily discharge in m3/day? (based on available information at MC)		Not Available			
Ultimate disposal of wastewater?					




PC1 for Rehabilitation has been submitted, the information filled in the proforma taken from PC1



Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Electro-Mechanical Equipment Details					
Number of WAPDA Feeders	1				
Transformer Capacity (kVA)	75				
Number of MCU	1				
Sanctioned Load (kw)	15				
Power Factor Improvement Equipment	Yes	No			
Service Cable	Yes	No			
Power Wiring	Yes	No			
Earthing of Motor	Yes	No			
Earthing of MCU	Yes	No			
Generator Availability	Yes	No			
Light Wiring of Pump House	Yes	No			
Change Over	Yes	No			
Pump Detail					
			Pump A		
Pump Type	Dewatering Set				
Pump Brand	Master Pump				
Pump Paint					
Motor Brand	TECHO				
Installation Year of Pump	Not Available				
Discharge Capacity (Cusecs)	0.5				
Rotational Speed (RPM)	Not Available				
Head (ft.)	Not Available				
Motor Power (HP)	20				
Pump Daily Running Time (Hours)	Not Available				
Base Plate	Yes			No	
Number of Valves	Sluice Valve				
	Non-Returning Valve				
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> It is old but functional disposal station. It has one wet well, no pump house or dry well, no boundary and no screening chamber. Boundary wall and generator is needed for proper functioning. Screening chamber is the crucial need as solid waste is stranded in the wet well. Pumping machinery is required. Provide Inter connections and MS screens Generate Automatic Controller System for working including MCUs and power factors. Provide electricity backup generator, Centrifugal pumps, and proper pump house. 					
Data Collected By: Mr. Abdullah			Designation: Team Member		 Sign & Date: 15 May 2023

Integrated Development And Asset Management Plan (IDAMP)		
Municipal Committee Jhang		
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023
Data Checked By: Mr. M Fiaz	Designation: Team Lead	 Sign & Date: 15 May 2023


Integrated Development And Asset Management Plan (IDAMP)				
Municipal Committee Jhang				
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023
Asset Detail			Pictures	
Name	Noor Shah			
Location	Latitude	31.29887		
	Longitude	72.306332		
Address	Noor Shah, Bypass Road, Jhang			
Area (Kanal/Acres)	0.25			
Installation Year	1986			
Capital Cost	Not Available			
Outfall Drain Sewer	Dia	33"		
	Material	RCC		
Screening Chamber	No. of Screens	1		
	Screen Condition	Good	Fair	Poor
	Chamber Structure	Masonry		
Wet Wells	Number	2		
	Shape	Rectangular	Circular	
	Size	25"		
	Structure	Masonry	RCC	
Railing	Yes		No	
Force Main	No. of Delivery Pipes	No Force Main		
	Dia			
	Material			
	Starting Point			
	Ending Point			
	Length			
Sullage Carrier	Size	2.5'x3'		
	Shape	Rectangular		
	Length	150'		
	Condition	Good	Fair	Poor
Delivery Pipe	Dia	10"		
	Material	C.I		
Suction Pipe	Dia	12"		
	Material	C.I		
Sluice Valves	6			

Integrated Development And Asset Management Plan (IDAMP)										
Municipal Committee Jhang										
Form: IDAMP-A7		Sewerage Disposal Station Asset Condition Assessment					Asset Code: _____			Date: 26-01-2023
Number of Valves	Non-Return Valves	3								
	Penstock Valves	2								
Ultimate Disposal		Khairanwala drain								
Civil Structure Condition		Good	Fair	Poor						
Control Room Structure		Good	Fair	Poor						
Discharge Box Structure		Good	Fair	Poor						
Approach to Pump House		Good	Fair	Poor						
Hoisting Girder		Yes		No						
Boundary Wall & Gate		Yes		No						
Treatment of Sewage		Yes		No						
Wastewater daily discharge in m ³ /day? (based on available information at MC)		11923								
Ultimate disposal of wastewater?										
Electro-Mechanical Equipment Details										
Number of WAPDA Feeders		2								
Transformer Capacity (kVA)		630, 400								
Number of MCU		3								
Sanctioned Load (kw)		355								
Power Factor Improvement Equipment		Yes		No						
Service Cable		Yes		No						
Power Wiring		Yes		No						
Earthing of Motor		Yes		No						
Earthing of MCU		Yes		No						
Generator Availability		Yes		No						
Light Wiring of Pump House		Yes		No						
Change Over		Yes		No						
Pump Detail										
		Pump A			Pump B			Pump C		
Pump Type		Centrifugal/ Non-Clogging			Centrifugal/ Non-Clogging			Centrifugal/ Non-Clogging		
Pump Brand		KSB			KSB			KSB		
Pump Paint		Good	Fair	Poor	Good	Fair	Poor	Good	Fair	Poor
Motor Brand		KSB			KSB			KSB		
Installation Year of Pump		1986			1986			1986		
Discharge Capacity (Cusecs)		5			5			5		
Rotational Speed (RPM)		960			960			960		
Head (ft.)		40			40			40		
Motor Power (HP)		60			60			60		
Pump Daily Running Time (Hours)		12			12			4		
Base Plate		Yes		No	Yes		No	Yes		No
	Sluice Valve							6		



Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment				Asset Code: _____
					Date: 26-01-2023
Number of Valves	Non-Returning Valve	3			
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> There is leakage in the dry well. Repair it. 1 pump is Non-functional, it needs immediate repair. Only one Feeder is working, Urban feeder is also required to be in working state. Pen stock valves, Urban feeder, delivery pipe and pump house need to be repaired. Screen and non-return valve are needed. Automatic Controller System Sewage submersible pump Provide backup Generator repair. 					
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 Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment				Asset Code: _____
					Date: 26-01-2023
Asset Detail			Pictures		
Name		Tibba Sultan			
Location	Latitude	31.292338			
	Longitude	72.304282			
Address		Tibba Sultan, Bhabrana, Jhang			
Area (Kanal/Acres)		0.35			
Installation Year		Before Partition			
Capital Cost		Not Available			
Outfall Drain Sewer	Dia	36"			
	Material	RCC			
Screening Chamber	No. of Screens	1			
	Screen Condition	Good	Fair	Poor	





Jhang, Punjab, Pakistan
 78R3+RR, Bhabrana Mohalla Mohalla
 Bhabrana, Jhang, Punjab, Pakistan
 Lat 31.292338°
 Long 72.304282°
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Integrated Development And Asset Management Plan (IDAMP)				
Municipal Committee Jhang				
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023
	Chamber Structure	Masonry		
Wet Wells	Number	2		
	Shape	Rectangular	Circular	
	Size	25'		
	Structure	Masonry	RCC	
	Railing	Yes	No	
Force Main	No. of Delivery Pipes	No Force Main		
	Dia			
	Material			
	Starting Point			
	Ending Point			
	Length			
Sullage Carrier	Size	4'x5'		
	Shape	Rectangular		
	Length	70'		
	Condition	Good	Fair	Poor
Delivery Pipe	Dia	12"		
	Material	C.I		
Suction Pipe	Dia	12"		
	Material	C.I		
Number of Valves	Sluice Valves	4		
	Non-Return Valves	2		
	Penstock Valves	2		
Ultimate Disposal		Khairanwala Drain		
Civil Structure Condition		Good	Fair	Poor
Control Room Structure		Good	Fair	Poor
Discharge Box Structure		Good	Fair	Poor
Approach to Pump House		Good	Fair	Poor
Hoisting Girder		Yes		No
Boundary Wall & Gate		Yes		No
Treatment of Sewage		Yes	No	
Wastewater daily discharge in m3/day? (based on available information at MC)		11923		
Ultimate disposal of wastewater?				
Electro-Mechanical Equipment Details				
Number of WAPDA Feeders		1		
Transformer Capacity (kVA)		100		
Number of MCU		2		
Sanctioned Load (kw)		75		


Integrated Development And Asset Management Plan (IDAMP)						
Municipal Committee Jhang						
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment				Asset Code: _____ Date: 26-01-2023	
Power Factor Improvement Equipment	Yes	No				
Service Cable	Yes	No				
Power Wiring	Yes	No				
Earthing of Motor	Yes	No				
Earthing of MCU	Yes	No				
Generator Availability	Yes	No				
Light Wiring of Pump House	Yes	No				
Change Over	Yes	No				
Pump Detail						
	Pump A			Pump B		
Pump Type	Centrifugal/ Non-Clogging			Centrifugal/ Non-Clogging		
Pump Brand	KSB			KSB		
Pump Paint	Good	Fair	Poor	Good	Fair	Poor
Motor Brand	Siemens			Siemens		
Installation Year of Pump	Not Available			Not Available		
Discharge Capacity (Cusecs)	5			5		
Rotational Speed (RPM)	960			960		
Head (ft.)	40			40		
Motor Power (HP)	50			50		
Pump Daily Running Time (Hours)	12			16		
Base Plate	Yes	No	Yes	No		
Number of Valves	Sluice Valve	4				
	Non-Returning Valve	2				
Overall Rating						
Average Score	1	2	3	4	5	
Asset Condition	Excellent	Good	Fair	Poor	Failing	
Category	A	B	C	D	E	
Remarks / Requirements						
<p>Following components are required in Tibba sultan disposal station</p> <ul style="list-style-type: none"> Generator 200-KVA with room, Urban and Rural WAPDA feeders Install missing sewer lines, incoming gravity sewers and Delivery Pipes. Screening chamber and screens with 1" grating. Repairing/rehabilitation of pump house Provision of the required Pumping machinery MCSs and Power factors along with automatic controller system. SWM system Boundary for disposal station is a must to be constructed. 						
Data Collected By: Mr. Abdullah		Designation: Team Member			 Sign & Date: 15 May 2023	

Integrated Development And Asset Management Plan (IDAMP)		
Municipal Committee Jhang		
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023
Data Checked By: Mr. M Fiaz		 Designation: Team Lead Sign & Date: 15 May 2023


Integrated Development And Asset Management Plan (IDAMP)			
Municipal Committee Jhang			
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023	
Asset Detail		Pictures	
Name	Lakhi Wala	 <p style="font-size: 8px;">Jhang, Punjab, Pakistan 78R3+RR, Bhabrana Mohalla Mohalla Bhabrana, Jhang, Punjab, Pakistan Lat 31.282188° Long 72.303762° 26/01/23 04:33 PM GMT +05:00</p>	
Location	Latitude		31.283818
	Longitude		72.305366
Address	Bhabrana Mohalla, Jhang		
Area (Kanal/Acres)	0.5		
Installation Year	1992		
Capital Cost	Not Available		
Outfall Drain Sewer	Dia		36"
	Material		RCC
Screening Chamber	No. of Screens		2
	Screen Condition	Good Fair Poor	
	Chamber Structure	Masonry	
Wet Wells	Number	2	
	Shape	Rectangular Circular	
	Size	25'	
	Structure	Masonry RCC	
	Railing	Yes No	
Force Main	No. of Delivery Pipes	No Force Main	
	Dia		
	Material		
	Starting Point		
	Ending Point		
Sullage Carrier	Size	2.5'x3'	
	Shape	Rectangular	
	Length	150'	
	Condition	Good Fair Poor	
Delivery Pipe	Dia	10"	
	Material	C.I	
Suction Pipe	Dia	12"	
	Material	C.I	
Number of Valves	Sluice Valves	10	
	Non-Return Valves	5	
	Penstock Valves	4	



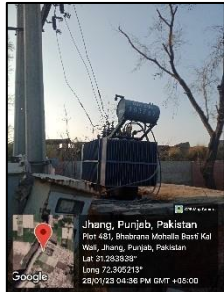
Jhang, Punjab, Pakistan
Plot 809, Bhabrana Mohalla Khosher
Colony, Jhang, Punjab, Pakistan
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Plot 809, Bhabrana Mohalla Khosher
Colony, Jhang, Punjab, Pakistan
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Long 72.303728°
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Integrated Development And Asset Management Plan (IDAMP)																
Municipal Committee Jhang																
Form: IDAMP-A7		Sewerage Disposal Station Asset Condition Assessment					Asset Code: _____ Date: 26-01-2023									
Ultimate Disposal		Khairanwala Drain														
Civil Structure Condition		Good	Fair	Poor												
Control Room Structure		Good	Fair	Poor												
Discharge Box Structure		Good	Fair	Poor												
Approach to Pump House		Good	Fair	Poor												
Hoisting Girder		Yes		No												
Boundary Wall & Gate		Yes		No												
Treatment of Sewage		Yes		No												
Wastewater daily discharge in m3/day? (based on available information at MC)		11923														
Ultimate disposal of wastewater?																
Electro-Mechanical Equipment Details																
Number of WAPDA Feeders		2														
Transformer Capacity (kVA)		630														
Number of MCU		4														
Sanctioned Load (kw)		190														
Power Factor Improvement Equipment		Yes		No												
Service Cable		Yes		No												
Power Wiring		Yes		No												
Earthing of Motor		Yes		No												
Earthing of MCU		Yes		No												
Generator Availability		Yes		No												
Light Wiring of Pump House		Yes		No												
Change Over		Yes		No												
Pump Detail																
		Pump A		Pump B		Pump C		Pump D		Pump E						
Pump Type		Centrifugal / Non-Clogging		Centrifugal / Non-Clogging		Centrifugal / Non-Clogging		Centrifugal / Non-Clogging		Centrifugal / Non-Clogging						
Pump Brand		KSB		KSB		KSB		KSB		KSB						
Pump Paint																
Motor Brand		KSB		KSB		KSB		KSB		KSB						
Installation Year of Pump		1992		1992		1992		1992		1992						
Discharge Capacity (Cusecs)		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 Running Time (Hours)		NF		12		12		4		NF						
Base Plate		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No					
Number of Valves		Sluice Valve		10												
		Non-Returning Valve		5												
Overall Rating																
Average Score		1		2		3		4		5						
Asset Condition		Excellent		Good		Fair		Poor		Failing						
Category		A		B		C		D		E						
Remarks / Requirements																

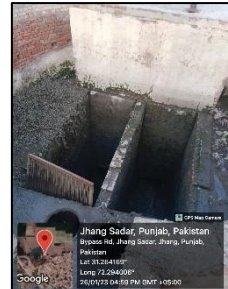
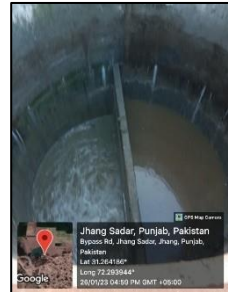
Integrated Development And Asset Management Plan (IDAMP)		
Municipal Committee Jhang		
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023
<ul style="list-style-type: none"> The 3 of pumps are functional while 2 are NF. All pipes have leakage and there is huge leakage problem in the dry well too. Wet well remains filled due to NF pumps. <p>Following items are required in Lakhiwala disposal station</p> <ul style="list-style-type: none"> Pen Stock Repair NF pumps immediately. Delivery Pipe Stainless steel Screen angle RCC work Bend HDP Sluice valve Non-Return valve sewage submersible pump Automatic Controller System 		
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 Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023			
Asset Detail		Pictures			
Name		Harmal Pura			
Location	Latitude	31.26414			
	Longitude	72.29386			
Address		Bypass Road, Jhang			
Area (Kanal/Acres)		3			
Installation Year		1976			
Capital Cost		Not Available			
Outfall Drain Sewer	Dia	42"			
	Material	RCC			
Screening Chamber	No. of Screens	1			
	Screen Condition	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="background-color: #92d050; text-align: center;">Good</td> <td style="text-align: center;">Fair</td> <td style="text-align: center;">Poor</td> </tr> </table>	Good	Fair	Poor
	Good	Fair	Poor		
Chamber Structure	Masonry				
Wet Wells	Number	1			
	Shape	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">Rectangular</td> <td style="background-color: #92d050; text-align: center;">Circular</td> </tr> </table>	Rectangular	Circular	
	Rectangular	Circular			
	Size	26'			
	Structure	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="background-color: #92d050; text-align: center;">Masonry</td> <td style="text-align: center;">RCC</td> </tr> </table>	Masonry	RCC	
Masonry	RCC				
Railing	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="text-align: center;">Yes</td> <td style="background-color: #92d050; text-align: center;">No</td> </tr> </table>	Yes	No		
Yes	No				
Force Main	No. of Delivery Pipes	No Force Main			
	Dia				






Jhang Sadar, Punjab, Pakistan
 Bypass Rd, Jhang Sadar, Jhang, Punjab, Pakistan
 Lat: 31.264128°
 Long: 72.293716°
 26/01/23 05:01 PM GMT +05:00



Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
	Material				
	Starting Point				
	Ending Point				
	Length				
Sullage Carrier	Size	2.5'x3'			
	Shape	Rectangular			
	Length	1200'			
	Condition	Good	Fair	Poor	
Delivery Pipe	Dia	24"	20"	12"	
	Material	C.I	C.I	C.I	
Suction Pipe	Dia	24"	20"	12"	
	Material	C.I	C.I	C.I	
Number of Valves	Sluice Valves	6			
	Non-Return Valves	3			
	Penstock Valves	2			
Ultimate Disposal	Khairanwala drain				
Civil Structure Condition	Good	Fair	Poor		
Control Room Structure	Good	Fair	Poor		
Discharge Box Structure	Good	Fair	Poor		
Approach to Pump House	Good	Fair	Poor		
Hoisting Girder	Yes		No		
Boundary Wall & Gate	Under Construction				
Treatment of Sewage	Yes		No		
Wastewater daily discharge in m3/day? (based on available information at MC)	22142				
Ultimate disposal of wastewater?					
Electro-Mechanical Equipment Details					
Number of WAPDA Feeders	2 (1NF)				
Transformer Capacity (kVA)	630				
Number of MCU	3				
Sanctioned Load (kw)	286				
Power Factor Improvement Equipment	Yes		No		
Service Cable	Yes		No		
Power Wiring	Yes		No		
Earthing of Motor	Yes		No		
Earthing of MCU	Yes		No		
Generator Availability	Yes		No		
Light Wiring of Pump House	Yes		No		
Change Over	Yes		No		
Pump Detail					
	Pump A	Pump B	Pump C		



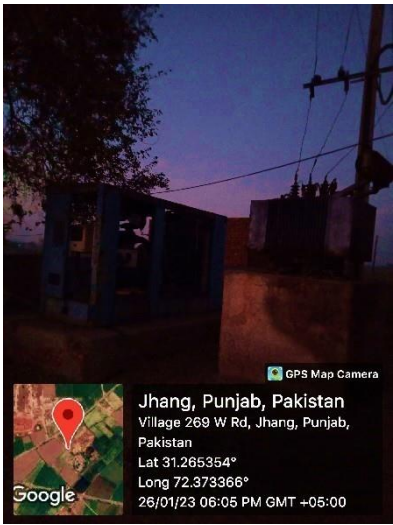
Integrated Development And Asset Management Plan (IDAMP)									
Municipal Committee Jhang									
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment						Asset Code: _____ Date: 26-01-2023		
Pump Type	Vertical Shaft Non-Clogging Centrifugal Pump			Vertical Shaft Non-Clogging Centrifugal Pump			Vertical Shaft Non-Clogging Centrifugal Pump		
Pump Brand	KSB			KSB			KSB		
Pump Paint	Good	Fair	Poor	Good	Fair	Poor	Good	Fair	Poor
Motor Brand	Warszawska Fabryka			Warszawska Fabryka			Warszawska Fabryka		
Installation Year of Pump	1976			1976			1976		
Discharge Capacity (Cusecs)	5			10			10		
Rotational Speed (RPM)	960			960			960		
Head (ft.)	50			50			50		
Motor Power (HP)	100			100			100		
Pump Daily Running Time (Hours)	4			12			12		
Base Plate	Yes	No		Yes	No		Yes	No	
Number of Valves	Sluice Valve	6							
	Non-Returning Valve	3							
Overall Rating									
Average Score	1	2	3	4	5				
Asset Condition	Excellent	Good	Fair	Poor	Failing				
Category	A	B	C	D	E				
Remarks / Requirements									
<ul style="list-style-type: none"> A pump is out of order as its delivery pipe is broken, it needs to be repaired. It has 2 transformers, Urban and Rural. One is functional while other is non-functional and needs to be functional in order to make working of pumps constant. <p>Following Components are required</p> <ul style="list-style-type: none"> sewage submersible pump Pen Stock Suction Pipe Delivery Pipe Stainless steel Screen angle RCC work Bend HDP Sluice valve Non-Return valve Automatic Controller System 									
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 Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Asset Detail			Pictures		
Name		Farooqabad			
Location	Latitude	31.25684			
	Longitude	72.34811			
Address		Naya Shehar, Jhang			
Area (Kanal/Acres)		0.2			
Installation Year		1992			
Capital Cost		Not Available			
Outfall Drain Sewer	Dia	36"			
	Material	RCC			
Screening Chamber	No. of Screens	1			
	Screen Condition	Good	Fair	Poor	
	Chamber Structure	Masonry			
Wet Wells	Number	1			
	Shape	Rectangular	Circular		
	Size	20'			
	Structure	Masonry	RCC		
	Railing	Yes	No		
Force Main	No. of Delivery Pipes	No Force Main			
	Dia				
	Material				
	Starting Point				
	Ending Point				
	Length				
Sullage Carrier	Size	2.5'x3'			
	Shape	Rectangular			
	Length	150'			
	Condition	Good	Fair	Poor	
Delivery Pipe	Dia	6"			
	Material	C.I			
Suction Pipe	Dia	6"			
	Material	C.I			
Number of Valves	Sluice Valves	4			
	Non-Return Valves	2			
	Penstock Valves	1			
Ultimate Disposal		Open Field			
Civil Structure Condition		Good	Fair	Poor	
Control Room Structure		Good	Fair	Poor	
Discharge Box Structure		Good	Fair	Poor	
Approach to Pump House		Good	Fair	Poor	
Hoisting Girder		Yes		No	

Integrated Development And Asset Management Plan (IDAMP)						
Municipal Committee Jhang						
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment				Asset Code: _____ Date: 26-01-2023	
Boundary Wall & Gate	Yes	No				
Treatment of Sewage	Yes	No				
Wastewater daily discharge in m3/day? (based on available information at MC)	7154					
Ultimate disposal of wastewater?						
Electro-Mechanical Equipment Details						
Number of WAPDA Feeders	1					
Transformer Capacity (kVA)	100					
Number of MCU	2					
Sanctioned Load (kw)	60					
Power Factor Improvement Equipment	Yes	No				
Service Cable	Yes	No				
Power Wiring	Yes	No				
Earthing of Motor	Yes	No				
Earthing of MCU	Yes	No				
Generator Availability	Yes	No				
Light Wiring of Pump House	Yes	No				
Change Over	Yes	No				
Pump Detail						
	Pump A			Pump B		
Pump Type	Centrifugal/ Non-Clogging			Centrifugal/ Non-Clogging		
Pump Brand	KSB			KSB		
Pump Paint	Good	Fair	Poor	Good	Fair	Poor
Motor Brand	Siemens			Siemens		
Installation Year of Pump	1992			1992		
Discharge Capacity (Cusecs)	3			3		
Rotational Speed (RPM)	960			960		
Head (ft.)	40			40		
Motor Power (HP)	40			40		
Pump Daily Running Time (Hours)	12			16		
Base Plate	Yes	No		Yes	No	
Number of Valves	Sluice Valve	4				
	Non-Returning Valve	2				
Overall Rating						
Average Score	1	2	3	4	5	
Asset Condition	Excellent	Good	Fair	Poor	Failing	
Category	A	B	C	D	E	
Remarks / Requirements						

Integrated Development And Asset Management Plan (IDAMP)		
Municipal Committee Jhang		
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023
<ul style="list-style-type: none"> Wet well get overfilled with solid waste so reinstallation of MS screen is required. There is no back up for electricity, a generator is required for fluent functioning. Sludge carrier drain into Open Fields, where harmful polluted vegetables are produced. A pump is out of order due to pipe breakage, it needs immediate repair. Pen stocks, sluice valves and non-returning valves are needed to be installed. Decreasing detention time of the wet well by making both pumps functional and increasing the working hours. 		
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 Development And Asset Management Plan (IDAMP)		
Municipal Committee Jhang		
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023
Asset Detail		Pictures
Name	Khokhran Disposal	
Location	Latitude	31.26521
	Longitude	72.37370
Address	Village 269W Road, Jhang	
Area (Kanal/Acres)	0.75	
Installation Year	2004 (Under Extension)	
Capital Cost	27.2 Million Pkr	
Outfall Drain Sewer	Dia	42"
	Material	R.C.C
Screening Chamber	No. of Screens	1
	Screen Condition	Good Fair Poor
	Chamber Structure	Masonry
Wet Wells	Number	2
	Shape	Rectangular Circular
	Size	25'
	Structure	Masonry RCC
Force Main	Railing	Yes No
	No. of Delivery Pipes	No Force Main
	Dia	
	Material	
Starting Point		





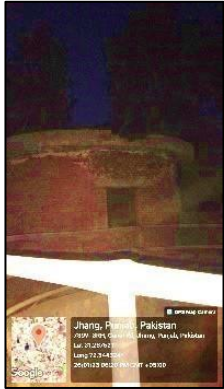
GPS Map Camera
Jhang, Punjab, Pakistan
Village 269 W Rd, Jhang, Punjab, Pakistan
Lat 31.265354°
Long 72.373366°
26/01/23 06:05 PM GMT +05:00

Integrated Development And Asset Management Plan (IDAMP)									
Municipal Committee Jhang									
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment						Asset Code: _____		
Date: 26-01-2023									
Sullage Carrier	Ending Point								
	Length								
	Size	2.5'x3'							
	Shape	Rectangular							
	Length	600'							
Delivery Pipe	Dia	12"							
	Material	C.I							
Suction Pipe	Dia	12"							
	Material	C.I							
Number of Valves	Sluice Valves	6							
	Non-Return Valves	3							
	Penstock Valves	2							
Ultimate Disposal		Open Field							
Civil Structure Condition		Good	Fair	Poor					
Control Room Structure		Good	Fair	Poor					
Discharge Box Structure		Good	Fair	Poor					
Approach to Pump House		Good	Fair	Poor					
Hoisting Girder		Yes			No				
Boundary Wall & Gate		Yes			No				
Treatment of Sewage		Yes			No				
Wastewater daily discharge in m ³ /day? (based on available information at MC)		13967							
Ultimate disposal of wastewater?									
Electro-Mechanical Equipment Details									
Number of WAPDA Feeders		2							
Transformer Capacity (kVA)		200							
Number of MCU		3							
Sanctioned Load (kw)		170							
Power Factor Improvement Equipment		Yes			No				
Service Cable		Yes			No				
Power Wiring		Yes			No				
Earthing of Motor		Yes			No				
Earthing of MCU		Yes			No				
Generator Availability		Yes			No				
Light Wiring of Pump House		Yes			No				
Change Over		Yes			No				
Pump Detail									
	Pump A			Pump B			Pump C		
Pump Type	Centrifugal/ Non-Clogging			Centrifugal/ Non-Clogging			Centrifugal/ Non-Clogging		
Pump Brand	KSB			KSB			KSB		
Pump Paint	Good	Fair	Poor	Good	Fair	Poor	Good	Fair	Poor






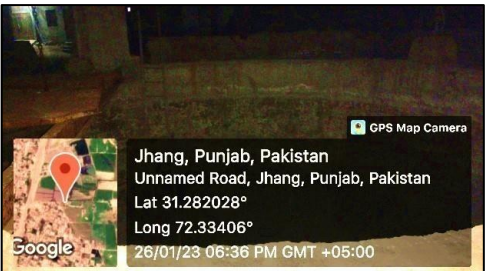
Integrated Development And Asset Management Plan (IDAMP)							
Municipal Committee Jhang							
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment					Asset Code: _____ Date: 26-01-2023	
Motor Brand	Siemens		Siemens		Siemens		
Installation Year of Pump	2004		2004		2004		
Discharge Capacity (Cusecs)	5		6		6		
Rotational Speed (RPM)	960		960		960		
Head (ft.)	40		40		40		
Motor Power (HP)	75		75		75		
Pump Daily Running Time (Hours)	4		12		12		
Base Plate	Yes	No	Yes	No	Yes	No	
Number of Valves	Sluice Valve	6					
	Non-Returning Valve	3					
Overall Rating							
Average Score	1	2	3	4	5		
Asset Condition	Excellent	Good	Fair	Poor	Failing		
Category	A	B	C	D	E		
Remarks / Requirements							
<ul style="list-style-type: none"> A pump is out of order as its delivery pipe is broken, it needs to be repaired. It has 2 transformers, Urban and Rural. One is functional while other is non-functional and needs to be functional in order to make working of pumps constant. Provision of sluice valves and non-returning valves. 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		
Data Checked By: Mr. M Fiaz		Designation: Team Lead			 Sign & Date: 15 May 2023		

Integrated Development And Asset Management Plan (IDAMP)				
Municipal Committee Jhang				
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023
Asset Detail			Pictures	
Name		Islam Nagar		
Location	Latitude	31.26739		
	Longitude	72.34412		
Address		Canal Road, Jhang		
Area (Kanal/Acres)		0.2		
Installation Year		2015		
Capital Cost		3 Million Pkr		
Outfall Drain Sewer	Dia	18"		
	Material	RCC		
Screening Chamber	No. of Screens	1		
	Screen Condition	Good	Fair	Poor
	Chamber Structure	Masonry		
Wet Wells	Number	1		
	Shape	Rectangular	Circular	
	Size	20'		
	Structure	Masonry	RCC	
	Railing	Yes	No	
Delivery Pipe	No. of Delivery Pipes	1		
	Dia	6"		
	Material	C.I		
	Starting Point	Wet well		
	Ending Point	Deep Manhole		
	Length	100'		
Sullage Carrier	Size	No Sullage Carrier		
	Shape			
	Length			
	Condition			
Delivery Pipe	Dia	6"		
	Material	C.I		
Suction Pipe	Dia	6"		
	Material	C.I		
Number of Valves	Sluice Valves	2		
	Non-Return Valves	1		
	Penstock Valves	1		
Ultimate Disposal		Karmanwala Town		
Civil Structure Condition		Good	Fair	Poor
Control Room Structure		Good	Fair	Poor
Discharge Box Structure		Good	Fair	Poor
Approach to Pump House		Good	Fair	Poor
Hoisting Girder		Yes		No
Boundary Wall & Gate		Yes		No



Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Treatment of Sewage	Yes	No			
Wastewater daily discharge in m ³ /day? (based on available information at MC)	426				
Ultimate disposal of wastewater?					
Electro-Mechanical Equipment Details					
Number of WAPDA Feeders	1				
Transformer Capacity (kVA)	100				
Number of MCU	1				
Sanctioned Load (kw)	25				
Power Factor Improvement Equipment	Yes	No			
Service Cable	Yes	No			
Power Wiring	Yes	No			
Earthing of Motor	Yes	No			
Earthing of MCU	Yes	No			
Generator Availability	Yes	No			
Light Wiring of Pump House	Yes	No			
Change Over	Yes	No			
Pump Detail					
			Pump A		
Pump Type	Centrifugal/Non-Clogging				
Pump Brand	BECO				
Pump Paint	Not Available				
Motor Brand	BECO				
Installation Year of Pump	2015				
Discharge Capacity (Cusecs)	0.5				
Rotational Speed (RPM)	960				
Head (ft.)	30				
Motor Power (HP)	30				
Pump Daily Running Time (Hours)	10				
Base Plate	Not Available				
Number of Valves	Sluice Valve	1			
	Non-Returning Valve	1			
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> This disposal station is totally surrounded by residential area so, it requires a proper channel for ultimate disposal as the previous Open Fields land is acquired by residents. There is no proper pump house nor any system for controlling. MCUs and Power factors are needed. 					


Integrated Development And Asset Management Plan (IDAMP)		
Municipal Committee Jhang		
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023
<ul style="list-style-type: none"> Proper control and monitoring system needed. An additional screen needs to be installed. A backup generator is required for electricity. 		
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 Development And Asset Management Plan (IDAMP)		
Municipal Committee Jhang		
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023
Asset Detail		Pictures
Name	Karmanwala Town	
Location	Latitude	31.282002
	Longitude	72.334046
Address	Karmanwala Town, Jhang	
Area (Kanal/Acres)	0.5	
Installation Year	2008	
Capital Cost	20 Million Pkr	
Outfall Drain Sewer	Dia	36"
	Material	RCC
Screening Chamber	No. of Screens	1
	Screen Condition	Good Fair Poor
	Chamber Structure	Masonry
Wet Wells	Number	2
	Shape	Rectangular Circular
	Size	25'
	Structure	Masonry RCC
	Railing	Yes No
Force Main	No. of Delivery Pipes	No Force Main
	Dia	
	Material	
	Starting Point	
	Ending Point	
		
		

Integrated Development And Asset Management Plan (IDAMP)						
Municipal Committee Jhang						
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment				Asset Code: _____ Date: 26-01-2023	
Sullage Carrier	Length					
	Size	2.5'x3'				
	Shape	Rectangular				
	Length	500'				
Delivery Pipe	Condition	Good	Fair	Poor		
	Dia	8"				
Suction Pipe	Material	C.I				
	Dia	8"				
Number of Valves	Sluice Valves	2				
	Non-Return Valves	2				
	Penstock Valves	2				
Ultimate Disposal		Open Field				
Civil Structure Condition		Good	Fair	Poor		
Control Room Structure		Good	Fair	Poor		
Discharge Box Structure		Good	Fair	Poor		
Approach to Pump House		Good	Fair	Poor		
Hoisting Girder		Yes	No			
Boundary Wall & Gate		Yes		No		
Treatment of Sewage		Yes	No			
Wastewater daily discharge in m3/day? (based on available information at MC)		23846				
Ultimate disposal of wastewater?						
Electro-Mechanical Equipment Details						
Number of WAPDA Feeders		1				
Transformer Capacity (kVA)		200				
Number of MCU		2				
Sanctioned Load (kw)		40				
Power Factor Improvement Equipment		Yes		No		
Service Cable		Yes		No		
Power Wiring		Yes		No		
Earthing of Motor		Yes		No		
Earthing of MCU		Yes		No		
Generator Availability		Yes		No		
Light Wiring of Pump House		Yes		No		
Change Over		Yes		No		
Pump Detail						
	Pump A			Pump B		
Pump Type	Submersible			Submersible		
Pump Brand	KSB			KSB		
Pump Paint	Good	Fair	Poor	Good	Fair	Poor
Motor Brand	Siemens			Siemens		
Installation Year of Pump	2008			2008		





Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Discharge Capacity (Cusecs)	5			5	
Rotational Speed (RPM)	960			960	
Head (ft.)	40			40	
Motor Power (HP)	50			50	
Pump Daily Running Time (Hours)	12			16	
Base Plate	Yes	No		Yes	No
Number of Valves	Sluice Valve	2			
	Non-Returning Valve	2			
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> The ultimate disposal is in the Open Fields which is harmful for the crops as we ultimately eat these polluted vegetables. Electricity backup generator is required. Provide pen stock and non-returning valves. 					
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	

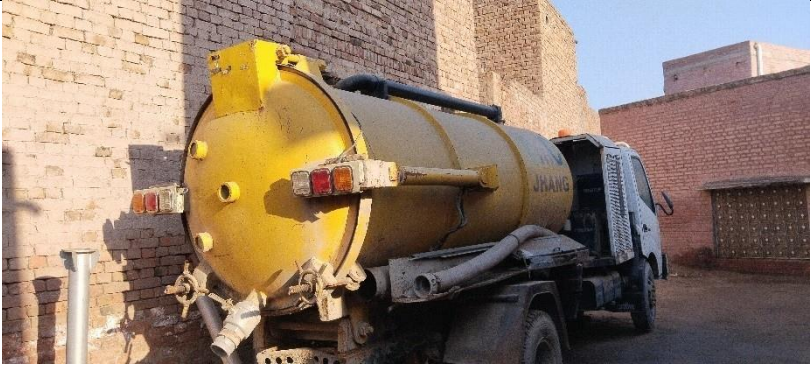
Integrated Development And Asset Management Plan (IDAMP)						
Municipal Committee Jhang						
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023		
Asset Detail			Pictures			
Name		Gharay bhan				
Location	Latitude	31.275555				
	Longitude	72.297222				
Address		Gharay bhan				
Area (Acres)		0.25				
Installation Year		2014				

Integrated Development And Asset Management Plan (IDAMP)				
Municipal Committee Jhang				
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023
Capital Cost		6 Million Pkr		
Outfall Drain Sewer	Dia	36"		
	Material	RCC		
Screening Chamber	No. of Screens	1		
	Screen Condition	Good	Fair	Poor
	Chamber Structure	Masonry		
Wet Wells	Number	2		
	Shape	Rectangular	Circular	
	Size	25'		
	Structure	Masonry	RCC	
	Railing	Yes	No	
Force Main	No. of Delivery Pipes	No force main		
	Dia			
	Material			
	Starting Point			
	Ending Point			
	Length			
Sullage Carrier	Size	4'x4' (Band Cross convert)		
	Shape	Rectangular		
	Length	50'		
	Condition	Good	Fair	Poor
Delivery Pipe	Dia	12"		
	Material	HDPE		
Suction Pipe	Dia	12"		
	Material	HDPE		
Number of Valves	Sluice Valves	4		
	Non-Return Valves	2		
	Penstock Valves	1		
Ultimate Disposal		Waste Water Pond		
Civil Structure Condition		Good	Fair	Poor
Control Room Structure		Good	Fair	Poor
Discharge Box Structure		Good	Fair	Poor
Approach to Pump House		Good	Fair	Poor
Hoisting Girder		Yes		No
Boundary Wall & Gate		Yes		No
Treatment of Sewage		Yes	No	
Wastewater daily discharge in m ³ /day? (based on available information at MC)		3,058		
Ultimate disposal of wastewater?		Waste Water Pond		
Electro-Mechanical Equipment Details				
Number of WAPDA Feeders		2		
Transformer Capacity (kVA)		100, 100		
Number of MCU		2		



Integrated Development And Asset Management Plan (IDAMP)						
Municipal Committee Jhang						
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment				Asset Code: _____ Date: 26-01-2023	
Sanctioned Load (kw)	45					
Power Factor Improvement Equipment	Yes	No				
Service Cable	Yes		No			
Power Wiring	Yes		No			
Earthing of Motor	Yes		No			
Earthing of MCU	Yes		No			
Generator Availability	Yes	No				
Light Wiring of Pump House	Yes		No			
Change Over	Yes		No			
Pump Detail						
	Pump A			Pump B		
Pump Type	Centrifugal/ Non-Clogging			Centrifugal/ Non-Clogging		
Pump Brand	KSB			KSB		
Pump Paint	Good	Fair	Poor	Good	Fair	Poor
Motor Brand	Siemens			Siemens		
Installation Year of Pump	2014			2014		
Discharge Capacity (Cusecs)	5			5		
Rotational Speed (RPM)	960			960		
Head (ft.)	40			40		
Motor Power (HP)	60			60		
Pump Daily Running Time (Hours)	8			8		
Base Plate	Yes		No	Yes		No
Number of Valves	Sluice Valve	4				
	Non-Returning Valve	2				
Overall Rating						
Average Score	1	2	3	4	5	
Asset Condition	Excellent	Good	Fair	Poor	Failing	
Category	A	B	C	D	E	
Remarks / Requirements						
<ul style="list-style-type: none"> No power factor, There is no proper screen due to which wet wells are filled with solid wastes Screening chamber needs to be installed . Two kinds of sewers feed this DS, one 36" sewer and an open drain. This drain needs to be covered to avoid SW mixing and avoid environmental pollution. Sludge carrier exits into Open Fields which produces harmful vegetables for people. Proper arrangement for disposing off sludge is required. 						
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	

C. Vehicles/ Machinery							
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 Available					
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		
Form: IDAMP-A16	Moveable Asset Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023
Type of Vehicle / Machinery	Pictures	
Sucker Machine, Jetting Machine		
	Sucker Machine	Jetting Machine
Capacity	4500 Liters	4500 Liters
Purpose	Suction	Jetting
Year of Manufacturing	2009	2007
Model	PKB-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

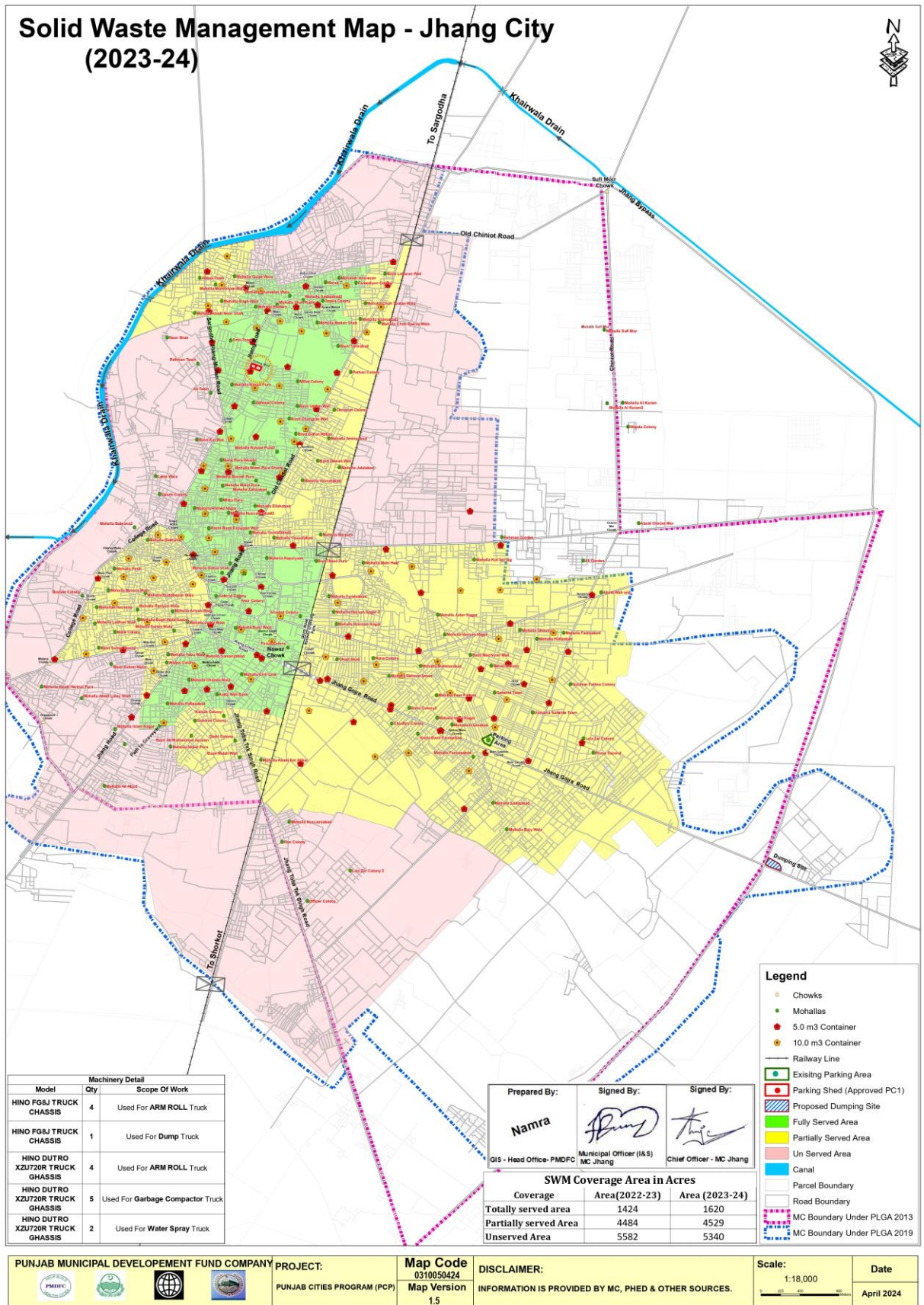
Oiling /Fitness	Yes	Yes
Fitness Certificate	No	No
Registered	JGJ-14-16	JGJ-14-15
Overall Rating	Fair	Fair
Remarks / Requirements		
<ul style="list-style-type: none"> No remarks 		
Data Collected By: Mr. Abdullah	Designation: Team Member	 Sign & Date: 15 May 2023
Data Checked By: Mr. M Fiaz	Designation: Team Lead	 Sign & Date: 15 May 2023

3. Solid Waste Management

2.1. Key Components of Solid Waste Management System



2.2. Solid Waste Management System Map






A. Dumping Site

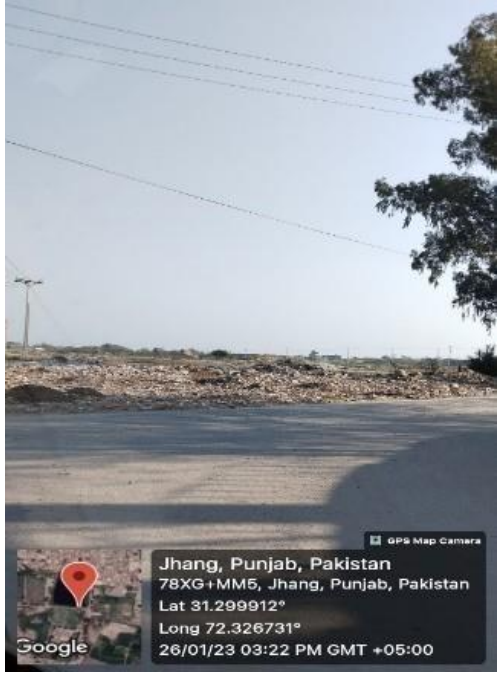

Sr #	Name	Age (Years)	Condition	Status	Book Value (PKR Mil)	Area (Acres)	Ownership
1	Dumping Site, Gojra Road	10	Poor	Functional	1581	10	Private
2	Dumping Site, Sargodha Road	8	Poor	Functional	816	5	Private


Integrated Development and Asset Management Plan (IDAMP)			
Municipal Committee Jhang			
Form: IDAMP-A11.1	Solid Waste Dumping Site Asset Condition Assessment		Asset Code: _____ Date: 26-01-2023
Name		Gojra Road	
Location	Latitude	31.240847	
	Longitude	72.401347	
Address		Gojra Road	
Area (Acres)		10	
Distance from urban area		12 km	
Year the site started for dumping service		2013	
Average waste dumped daily (based on information provided by MC)		Not Available	
EHS SOPs for waste handlers		Not Available	
Availability of PPEs for waste collectors/handlers		Yes	No
Expected Life (Years)		20	
Land Ownership		Private	
Site Accessibility		Fair	
Surface Type		Flat	Depressed
Approach Road Condition		Good	Fair
Parking Shed		Yes	No
Boundary Wall		Yes	No
Gate		Yes	No
Ramps		Yes	No
Any Building at Site		Yes	No
Weigh Bridge		Yes	No
Earth Cover Arrangements		Yes	No
Compaction Equipment		Yes	No
Plantation Around Site		Yes	No

Pictures



Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A11.1	Solid Waste Dumping Site Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Any illegal occupants or encroachments observed- if yes, type	Not Available				
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> Presently MC collects solid wastes and dispose off at plain area dumping site i.e.10 acres. This is not a proper disposal of solid wastes in respect of environment and utilization of land.MC should be given a landfill site project for the better utilization of available land. 					
<i>Data Collected By: Mr. Abdullah</i>		<i>Designation: Team Member</i>		 <i>Sign & Date: 15 May 2023</i>	
<i>Data Checked By: Mr. M Fiaz</i>		<i>Designation: Team Lead</i>		 <i>Sign & Date: 15 May 2023</i>	

Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A11.2		Solid Waste Dumping Site Asset Condition Assessment			Asset Code: _____
					Date: 26-01-2023
Name		Sargodha Road			
Location	Latitude	31.299912			
	Longitude	72.326731			
Address		Sargodha Road			
Area (Acres)		5			
Distance from urban area		10 km			
Year the site started for dumping service		2015			
Average waste dumped daily (based on information provided by MC)		Not Available			
EHS SOPs for waste handlers		Not Available			
Availability of PPEs for waste collectors/handlers		Yes	No		
Expected Life (Years)		10			
Land Ownership		Private			
Site Accessibility		Fair			
Surface Type		Flat	Depressed		
Approach Road Condition		Good	Fair	Poor	
Parking Shed		Yes	No		
Boundary Wall		Yes	No		
Gate		Yes	No		
Ramps		Yes	No		
Any Building at Site		Yes	No		
Weigh Bridge		Yes	No		
Earth Cover Arrangements		Yes	No		
Compaction Equipment		Yes	No		
Plantation Around Site		Yes	No		
Any illegal occupants or encroachments observed- if yes, type		Not Available			
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> Presently MC collects solid wastes and dispose off at plain area dumping site i.e.5 acres. This is not a proper disposal of solid wastes in respect of environment and utilization of land.MC should be given a landfill site project for the better utilization of available land. 					
Data Collected By: Mr. Abdullah		Designation: Team Member		 Sign & Date: 15 May 2023	

<p><i>Data Checked By: Mr. M Fiaz</i></p>	<p><i>Designation: Team Lead</i></p>	<p> <i>Sign & Date: 15 May 2023</i></p>
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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	Isuzu	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




Sr #	Name	Registration Number	Quantity	Age (Years)	Condition	Status	Book 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	Isuzu-FTR	LEG 3705	1	16	Fair	Functional	3.87	4400CC
38	Isuzu-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	Isuzu-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: IDAMP-A16.1	Moveable Asset Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023	
Type of Vehicle / Machinery	Pictures		
Tractor			
	Tractor No. 1	Tractor No. 2	Tractor No. 3
Capacity	85 Hp	85 Hp	50 Hp
Purpose	SWM	SWM	SWM
Year of Manufacturing	2006	2006	2003
Model	FIAT NH 640	FIAT NH 640	MF 240
Capital Cost	Not Available	Not Available	Not Available
Fuel Consumption (lit/month)	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			
<ul style="list-style-type: none"> No remarks 			
<i>Data Collected By: Mr. Abdullah</i>	<i>Designation: Team Member</i>	 <i>Sign & Date: 15 May 2023</i>	
<i>Data Checked By: Mr. M Fiaz</i>	<i>Designation: Team Lead</i>	 <i>Sign & Date: 15 May 2023</i>	

Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A16.2	Moveable Asset Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Type of Vehicle / Machinery	Pictures				
Tractor					
	Tractor No.4	Tractor No. 5	Tractor No.6	Tractor No. 7	Tractor No. 8
Capacity	75 Hp	75 Hp	75 Hp	75 Hp	75 Hp
Purpose	SWM	SWM	SWM	SWM	SWM
Year of Manufacturing	2003	2012	2011	2013	2011
Model	MF 375	MF 375	MF 375	MF 375	MF 375
Capital Cost	Not Available	Not Available	Not Available	Not Available	Not Available
Fuel Consumption	117	70	75	83	175
Condition	Fair	Fair	Fair	Fair	Fair
Engine Capacity	75 Hp	75 Hp	75 Hp	75 Hp	75 Hp
Maintenance Cost	Not Available	Not Available	Not Available	Not Available	Not Available
Oiling /Fitness	Yes	Yes	Yes	Yes	Yes
Fitness Certificate	No	No	No	No	No
Registered	JGG 754	JGJ-14-14	JGJ-14-10	JGJ-14-11	JGJ-14-12
Overall Rating	Fair	Fair	Fair	Fair	Fair
Remarks / Requirements					
<ul style="list-style-type: none"> No remarks 					
<i>Data Collected By: Mr. Abdullah</i>		<i>Designation: Team Member</i>		 <i>Sign & Date: 15 May 2023</i>	
<i>Data Checked By: Mr. M Fiaz</i>		<i>Designation: Team Lead</i>		 <i>Sign & Date: 15 May 2023</i>	




Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A16.3	Moveable Asset Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Type of Vehicle / Machinery	Pictures				
Tractor					
	Tractor No.9	Tractor No. 10	Tractor No.11	Tractor No. 12	Tractor No. 13
Capacity	75 Hp	50 Hp	50 Hp	50 Hp	75 Hp
Purpose	SWM	SWM	SWM	SWM	SWM
Year of Manufacturing	2012	1980	1989	1989	1998
Model	MF 375	MF 240	MF 240	MF 240	MF 375
Capital Cost	Not Available	Not Available	Not Available	Not Available	Not Available
Fuel Consumption	175	72	87	36	75
Condition	Fair	Poor	Poor	Poor	Poor
Engine Capacity	75 Hp	50 Hp	50 Hp	50 Hp	75 Hp
Maintenance Cost	Not Available	Not Available	Not Available	Not Available	Not Available
Oiling /Fitness	Yes	Yes	Yes	Yes	Yes
Fitness Certificate	No	No	No	No	No
Registered	JGJ-14-13	JG 5659	JGA 4768	JGA 4765	JGB 7108
Overall Rating	Fair	Poor	Poor	Poor	Poor
Remarks / Requirements					
<ul style="list-style-type: none"> No remarks 					
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 Development And Asset Management Plan (IDAMP)				
Municipal Committee Jhang				
Form: IDAMP-A16.4	Moveable Asset Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023
Type of Vehicle / Machinery	Pictures			
Tractor				
	Tractor No.14	Tractor No. 15	Tractor No.16	Tractor No. 17
Capacity	50 Hp	50 Hp	85 Hp	85 Hp
Purpose	SWM	SWM	SWM	SWM
Year of Manufacturing	1993	1980	2017	2017
Model	MF 240	MF 240	MF 385	MF 385
Capital Cost	Not Available	Not Available	Not Available	Not Available
Fuel Consumption	126	72	50	127
Condition	Poor	Poor	Good	Good
Engine Capacity	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	JGB 7148	JG 5660	JGJ-17-41	JGJ-17-42
Overall Rating	Poor	Poor	Good	Good
Remarks / Requirements				
<ul style="list-style-type: none"> No remarks 				
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 Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A16.5	Moveable Asset Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Type of Vehicle / Machinery	Pictures				
Loader Rickshaw					
	Rickshaw No.1	Rickshaw No.2	Rickshaw No.3	Rickshaw No.4	Rickshaw No.5
Capacity	1.5 m ³	1.5 m ³	1.5 m ³	1.5 m ³	1.5 m ³
Purpose	SWM	SWM	SWM	SWM	SWM
Year of Manufacturing	2017	2017	2017	2017	2017
Model	RP150-LD	RP150-LD	RP150-LD	RP150-LD	RP150-LD
Capital Cost	Not Available	Not Available	Not Available	Not Available	Not Available
Fuel Consumption (lit/month)	48	8	8	8	18
Condition	Good	Good	Good	Good	Good
Engine Capacity	150 cc	150 cc	150 cc	150 cc	150 cc
Maintenance Cost	Not Available	Not Available	Not Available	Not Available	Not Available
Oiling /Fitness	Yes	Yes	Yes	Yes	Yes
Fitness Certificate	No	No	No	No	No
Registered	Rickshaw No.3	Rickshaw No 10	Rickshaw No 6	Rickshaw No 5	Rickshaw No 15
Overall Rating	Good	Good	Good	Good	Good
Remarks / Requirements					
<ul style="list-style-type: none"> No remarks 					
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 Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A16.6	Moveable Asset Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Type of Vehicle / Machinery	Pictures				
Loader Rickshaw					
	Rickshaw No.6	Rickshaw No.7	Rickshaw No.8	Rickshaw No.9	Rickshaw No.10
Capacity	1.5 m ³	1.5 m ³	1.5 m ³	1.5 m ³	1.5 m ³
Purpose	SWM	SWM	SWM	SWM	SWM
Year of Manufacturing	2017	2017	2017	2017	2017
Model	RP150-LD	RP150-LD	RP150-LD	RP150-LD	RP150-LD
Capital Cost	Not Available	Not Available	Not Available	Not Available	Not Available
Fuel Consumption (lit/month)	16	32	16	18	20
Condition	Good	Good	Good	Good	Good
Engine Capacity	150 cc	150 cc	150 cc	150 cc	150 cc
Maintenance Cost	Not Available	Not Available	Not Available	Not Available	Not Available
Oiling /Fitness	Yes	Yes	Yes	Yes	Yes
Fitness Certificate	No	No	No	No	No
Registered	Rickshaw No 14	Rickshaw No 8	Rickshaw No 9	Rickshaw No 4	Rickshaw No 7
Overall Rating	Good	Good	Good	Good	Good
Remarks / Requirements					
<ul style="list-style-type: none"> No remarks 					
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 Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A16.7	Moveable Asset Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Type of Vehicle / Machinery	Pictures				
Loader Rickshaw					
	Rickshaw No.11	Rickshaw No.12	Rickshaw No.13	Rickshaw No.14	Rickshaw No.15
Capacity	1.5 m ³	1.5 m ³	1.5 m ³	1.5 m ³	1.5 m ³
Purpose	SWM	SWM	SWM	SWM	SWM
Year of Manufacturing	2017	2017	2017	2017	2017
Model	RP150-LD	RP150-LD	RP150-LD	RP150-LD	RP150-LD
Capital Cost	Not Available	Not Available	Not Available	Not Available	Not Available
Fuel Consumption (lit/month)	11	10	20	7	13
Condition	Good	Good	Good	Good	Good
Engine Capacity	150 cc	150 cc	150 cc	150 cc	150 cc
Maintenance Cost	Not Available	Not Available	Not Available	Not Available	Not Available
Oiling /Fitness	Yes	Yes	Yes	Yes	Yes
Fitness Certificate	No	No	No	No	No
Registered	Rickshaw No 1	Rickshaw No 12	Rickshaw No 2	Rickshaw No 11	Rickshaw No 13
Overall Rating	Good	Good	Good	Good	Good
Remarks / Requirements					
<ul style="list-style-type: none"> No remarks 					
<i>Data Collected By: Mr. Abdullah</i>		<i>Designation: Team Member</i>		 <i>Sign & Date: 15 May 2023</i>	
<i>Data Checked By: Mr. M Fiaz</i>		<i>Designation: Team Lead</i>		 <i>Sign & Date: 15 May 2023</i>	


Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A16.8	Moveable Asset Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Type of Vehicle / Machinery	Pictures				
Truck					
	Truck No.1	Truck No.2	Truck No.3	Truck No.4	Truck No.5
Capacity	5 m ³	5 m ³	5 m ³	5 m ³	5 m ³
Purpose	Sewerage	SWM	Fire Fighting	Crane Lifter	Fire Fighting
Year of Manufacturing	2009	2004	2011	2014	2011
Model	PKB-211	FTR	ISUZU Truck	HINO 300	ISUZU NPR
Capital Cost	Not Available	Not Available	Not Available	Not Available	Not Available
Fuel Consumption (lit/month)	694	267	146	344	139
Condition	Fair	Fair	Good	Good	Good
Engine Capacity	180 HP	4400 cc	8226 cc	4009 cc	4334 cc
Maintenance Cost	Not Available	Not Available	Not Available	Not Available	Not Available
Oiling /Fitness	Yes	Yes	Yes	Yes	Yes
Fitness Certificate	No	No	No	No	No
Registered	JGJ-14-15	JGJ-12-51	JGJ-14-40	JGJ-12-52	LEG-08-3703
Overall Rating	Fair	Fair	Good	Good	Good
Remarks / Requirements					
<ul style="list-style-type: none"> No remarks 					
<i>Data Collected By: Mr. Abdullah</i>		<i>Designation: Team Member</i>		 <i>Sign & Date: 15 May 2023</i>	
<i>Data Checked By: Mr. M Fiaz</i>		<i>Designation: Team Lead</i>		 <i>Sign & Date: 15 May 2023</i>	

Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A16.9	Moveable Asset Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Type of Vehicle / Machinery	Pictures				
Truck					
	Truck No.6	Truck No.7	Truck No.8	Truck No.9	Truck No.10
Capacity	5 m ³	5 m ³	5 m ³	5 m ³	5 m ³
Purpose	SWM	SWM	SWM	SWM	SWM
Year of Manufacturing	2007	Not Available	Not Available	Not Available	Not Available
Model	FTR	NPR	NPR	NPR	NPR
Capital Cost	Not Available	Not Available	Not Available	Not Available	Not Available
Fuel Consumption (lit/month)	144	600	460	125	490
Condition	Fair	Fair	Fair	Fair	Fair
Engine Capacity	4400 cc	4400 cc	4400 cc	4400 cc	4400 cc
Maintenance Cost	Not Available	Not Available	Not Available	Not Available	Not Available
Oiling /Fitness	Yes	Yes	Yes	Yes	Yes
Fitness Certificate	No	No	No	No	No
Registered	LEG 3705	ISA 270	ISA 283	ISA 291	ISA 294
Overall Rating	Fair	Fair	Fair	Fair	Fair
Remarks / Requirements					
<ul style="list-style-type: none"> No remarks 					
<i>Data Collected By: Mr. Abdullah</i>		<i>Designation: Team Member</i>		 Sign & Date: 15 May 2023	
<i>Data Checked By: Mr. M Fiaz</i>		<i>Designation: Team Lead</i>		 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)			
Municipal Committee Jhang			
Form: IDAMP-A14.2	Building Asset Condition Assessment		Asset Code: _____ Date: 26-01-2023
Name	MC Office		
Location	Latitude	31.278858	
	Longitude	72.313140	
Address	Circular Road, Jhang Sadar		
Year of Construction	Before Partition		
Land Area (Acres)	1.1		
No. of Stories	1		
Condition	Good	Fair Poor	
Purpose	Municipal Affairs		
No. of Staff	Not Available		
No. of Rooms	37		
Conference/Meeting Room	Yes	No	
Store Room	Yes	No	
Study Room/Book Shelf	Yes	No	
Boundary Wall	Yes	No	
Heating & Cooling Arrangement	Yes	No	
Parking Lots	Yes	No	
Drinking Water Facilities	Yes	No	
Availability and quality of water (based on available water quality test reports)	Yes	No	
Washrooms / Sewerage System	Yes	No	
Separate Washroom for Ladies	Yes	No	
Prayers Area/room	Yes	No	
Furniture	Yes	No	
Electric Appliances (Fans Etc.)	Yes	No	
Machinery & Equipment	Yes	No	
Sports Club	Yes	No	
Staff Attendance System	Yes	No	
Emergency Alarm System	Yes	No	
Fire Fighting System / Equipment	Yes	No	
Ramps for wheel chairs at entry gate	Yes	No	
Security Guard	Yes	No	
Park/lawn outdoor/indoor plantation	Yes	No	

Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A14.2	Building Asset Condition Assessment			Asset Code: _____	
			Date: 26-01-2023		
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> No remarks 					
<i>Data Collected By: Mr. Abdullah</i>		<i>Designation: Team Member</i>		<i>Sign & Date: 15 May 2023</i>	
<i>Data Checked By: Mr. M Fiaz</i>		<i>Designation: Team Lead</i>		<i>Sign & Date: 15 May 2023</i>	

Integrated Development And Asset Management Plan (IDAMP)						
Municipal Committee Jhang						
Form: IDAMP-A14.1	Building Asset Condition Assessment			Asset Code: _____		
			Date: 26-01-2023			
Name		Library		Pictures		
Location	Latitude	31.299187				
	Longitude	72.323742				
Address		Nawaz Sharif Park				
Year of Construction		Not Available				
Land Area (Acres)		0.36				
No. of Stories		1				
Condition		Good	Fair			Poor
Purpose		Library				
No. of Staff		2				
No. of Rooms		3				
Conference/Meeting Room		Yes	No			
Store Room		Yes	No			
Study Room/Book Shelf		Yes	No			
Boundary Wall		Yes	No			
Heating & Cooling Arrangement		Yes	No			
Parking Lots		Yes	No			
Drinking Water Facilities		Yes	No			
Availability and quality of water (based on available water quality test reports)		Yes	No			
Washrooms / Sewerage System		Yes	No			
Separate Washroom for Ladies		Yes	No			

Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A14.1	Building Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Prayers Area/room	Yes	No			
Furniture	Yes	No			
Electric Appliances (Fans Etc.)	Yes	No			
Machinery & Equipment	Yes	No			
Sports Club	Yes	No			
Staff Attendance System	Yes	No			
Emergency Alarm System	Yes	No			
Fire Fighting System / Equipment	Yes	No			
Ramps for wheel chairs at entry gate	Yes	No			
Security Guard	Yes	No			
Park/lawn plantation	Yes	No			
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> No remarks 					
<i>Data Collected By: Mr. Abdullah</i>		<i>Designation: Team Member</i>		 <i>Sign & Date: 15 May 2023</i>	
<i>Data Checked By: Mr. M Fiaz</i>		<i>Designation: Team Lead</i>		 <i>Sign & Date: 15 May 2023</i>	

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

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	Encroachment Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
1	22046	Tehsil Road Jhang Sadar	31.27313616	72.31693482	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Anwar Iqbal	clothes shop
2	12008	Adjacent islamia School Jhang	31.27159161	72.31727562	80	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Saleem Ud Din	welding shop
3	15004	Mohallah Bhabrahan Jhang	31.27748167	72.30630667	570	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Tahir	animal feed
4	14048	General Bus Stand Near Adhiwal Chowk Jhang City	31.28899667	72.32157333	225	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	shike abuzer	atuo shop
5	14082	General Bus Stand Jhang saddar	31.29141833	72.32145667	2720	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Haider Abbas	atuo work shop
6	14081	General Buss Stand Jhang	31.29128167	72.32208833	2720	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	atif sehzaad	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	72.32202667	5440	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Sh. Zafar Iqbal	Auto Workshop

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	Encroachment Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
9	14025	Inside General Bus Stand Sarghodha Road	31.289525	72.32235833	5440	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Sh. Akram	Auto Workshop
10	14027	Inside General Bus Stand Sarghodha Road	31.28969167	72.32247167	5440	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	baber aslam	Auto Workshop
11	14026	Inside General Bus Stand Sarghodha Road	31.28968	72.32248833	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	72.32297833	4080	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	muhammad inaam	Auto Workshop

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	Encroachment Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
15	14031	Inside General Bus Stand Sarghodha Road	31.29014167	72.32293667	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	72.32295833	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	72.32317667	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	72.32344167	5440	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Zahid	Auto Workshop

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	Encroachment 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	Iman Niwaz	Auto Workshop
22	14039	Inside General Bus Stand Sarghodha Road	31.29116833	72.32329333	2720	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Yaseen	Auto Workshop
23	14040	Inside General Bus Stand Sarghodha Road	31.29100167	72.32320833	2720	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	shike akram	Auto Workshop
24	14036	Inside General Bus Stand Sarghodha Road	31.29112333	72.32293667	2720	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	shike akram	Auto Workshop
25	14021	Inside General Bus Stand Sarghodha Road	31.29064667	72.32234667	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	72.32268667	2720	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	sarwer bashir	Auto Workshop

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	Encroachment 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	72.32212333	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 Tariqhaat	Auto Workshop
32	14037	Inside General Bus Stand Sarghodha Road	31.29147667	72.32117833	2720	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Ghulam Mujtaba	Auto Workshop

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	Encroachment Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
33	19007	Head Octroi Post Jhang	31.27169445	72.31758632	92	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Mazhar Abbas	Autos Shop
34	19008	Head Octroi Post Jhang	31.2717005	72.31763981	92	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Mazhar 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	72.32096333	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	Muhamamd Muaz	Autos Shop
38	14029	Inside General Bus Stand Sarghodha Road	31.290025	72.32265333	1360	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Yaqoob	Autos Shop
39	14078	Inside General Bus Stand Sarghodha Road	31.29109667	72.32330167	2720	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammadd 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

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	Encroachment Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
41	22032	Tehsil Road Jhang Sadar	31.27353935	72.31674441	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Asghar	baan shop
42	22049	Tehsil Road Jhang Sadar	31.27328799	72.31685558	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muneer Ahmad	baancharpai shop
43	22043	Tehsil Road Jhang Sadar	31.27332741	72.31684006	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M.shafi	bag faroosh
44	23001	Toba Tek Singh Road Jhang Sadar	31.27051833	72.31762833	64	2	Commercial	Owned/Managed	Partial	No	Rented/Leased	Good	Muhammad Hussain	Bans Shop
45	22051	Tehsil Road Jhang Sadar	31.27342167	72.31680333	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	72.32094167	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	babar	Barbar Shop
48	14051	General Bus Stand Near Adhiwal Chowk Jhang City	31.28901	72.32127833	225	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Ahsanullah	Barbar 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	Encroachment Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
49	12038	Adjacent islamia School Jhang	31.27191601	72.31718867	90	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Hashmat Ullah	Barbara shop
50	21015	Near TMA Office	31.27842248	72.31353595	165	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Adnan Aslam	Barber Shop
51	12001	Adjacent islamia School Jhang	31.27215	72.31711333	70	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Hafeez	Barber Shop
52	12005	Adjacent islamia School Jhang	31.27210333	72.31712667	80	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Fiyaz	Barber Shop
53	22034	Tehsil Road Jhang Sadar	31.27358833	72.31666833	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Zulafqar Ali	Barber shop
54	14062	Inside General Bus Stand Sarghodha Road	31.28905333	72.32087333	5440	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	hassan ijaz	barber shop
55	12002	Adjacent islamia School Jhang	31.27218545	72.31709227	70	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Hafeez	Barber shop
56	22015	Tehsil Road Jhang Sadar	31.27306746	72.31689461	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Intsaar Ahmad	Barton store
57	22029	Tehsil Road Jhang Sadar	31.27358949	72.31633294	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	Muhammad Ansar	betry 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	Encroachment Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
59	14080	General Bus Stand Near Adhiwal Chowk Jhang City	31.291315	72.32171167	2720	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	ansar ali	Battery 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	72.31721333	98	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Usman Haider	Book Depot
62	7087004	City Hospital Jhnag City	31.30476167	72.322005	40	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad 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	72.31731833	75	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Ameer Hamza	Book shop
65	19001	Saddar Chungi Jhnag	31.27179869	72.31718772	98	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Hafiz irfan	book shop
66	12042	Adjacent islamia School Jhang	31.27170053	72.31724914	63	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Asif	book shop
67	19033	Head Octroi Post Jhang	31.27191167	72.31741167	75	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Hamza	Book shop godown
68	11001	jameel park canteen	31.27427333	72.32278333	144	2	Commercial	Owned/Managed	Full	No	Rented/Leased	Good	Hassan Raza Amir	canteen

Integrated Development and Asset Management Plan (IDAMP)														
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Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 26-01-2023		
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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	72.31688969	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Maqbool	chicken faroosh
71	402	Chowk Bazar Jhang City	31.30524667	72.32473833	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Abdul Aziz	chicken shop
72	12039	Adjacent islamia School Jhang	31.27186167	72.31726167	56	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Liaqat Ali	clay utensils shop
73	12043	Adjacent islamia School Jhang	31.27165691	72.31725992	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	Muhammad Arif	cloth house
76	22039	Tehsil Road Jhang Sadar	31.27373333	72.31631667	66	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Rizwan Abbas	cloth house
77	20002	Shaheed Road Sadr Jhang	31.27610833	72.31506833	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 Akhtar	Cloth Shop
79	22007	Tehsil Road Jhang Sadar	31.27290333	72.31700833	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Sadiq	cloth shop

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80	22008	Tehsil Road Jhang Sadar	31.27294569	72.31693273	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad 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	72.31671333	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Umer Usman	cloth shop
84	22052	Tehsil Road Jhang Sadar	31.27357219	72.31664489	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Asif Iqbal	Cloth Shop
85	22023	Tehsil Road Jhang Sadar	31.27358706	72.31661822	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	72.31661215	50	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Riaz	Cloth Shop
88	22021	Tehsil Road Jhang Sadar	31.27363333	72.31652833	50	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Kashif Iqbal	Cloth Shop
89	22053	Tehsil Road Jhang Sadar	31.27358704	72.31649257	50	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad waqar	Cloth Shop
90	22020	Tehsil Road Jhang Sadar	31.27394	72.31654167	50	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	kashif iqbal	Cloth Shop
91	22037	Tehsil Road Jhang Sadar	31.27362391	72.31648644	50	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Waqar	Cloth Shop

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92	22002	Tehsil Road Jhang Sadar	31.27363667	72.31643833	50	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	waqar hussain	Cloth shop
93	22026	Tehsil Road Jhang Sadar	31.27361833	72.31641167	50	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Zahid Ahmad	cloth shop
94	22027	Tehsil Road Jhang Sadar	31.27362432	72.31642447	50	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Makhmoor Ahmad	Cloth Shop
95	22025	Tehsil Road Jhang Sadar	31.2736	72.31636833	66	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Ijaz Ahmad	cloth shop
96	22028	Tehsil Road Jhang Sadar	31.27358819	72.31632385	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	Muhammad Naeem	cloth stitching shop
98	22014	Tehsil Road Jhang Sadar	31.27302773	72.31688949	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Abdul Razaq	clothe center
99	22045	Tehsil Road Jhang Sadar	31.27311653	72.31692207	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad 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	72.31480833	135	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Ijaz	Cold Corner
102	7087002	Near TMA Office	31.3048	72.32170833	103	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	imran	Cold Corner

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Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 26-01-2023		
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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	Muhammad 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 corner shop
105	7087003	Near TMA Office	31.30480167	72.32168833	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	72.32155333	110	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad 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 Razaq	Crockery
109	22012	Tehsil Road Jhang Sadar	31.272975	72.31704833	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	Muhammad ahsan	crockery shop
111	4015	Chowk Bazar Jhang City	31.30517667	72.32459167	72	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad ahsan	crockery 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	Encroachment Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
112	12016	Adjacent islamia School Jhang	31.27141177	72.31719166	56	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Khalid Mehmood	cusmatics shop
113	12014	Adjacent islamia School Jhang	31.27147045	72.31732569	54	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Khalid Mehmood	cusmatics shop
114	13010	Near Rail Bazar Chowk Jhang Sadar	31.27686333	72.31469833	135	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Akbar Ali	cycle spare parts
115	18001	Near Sabzi Mandi	31.28376167	72.31428667	121	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	hamayu	Cycle Store
116	21003	Near MC Office	31.27832053	72.31379995	152	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Dawood Zeeshan Ahmad	Dream Builder
117	14057	General Bus Stand Near Adhiwal Chowk Jhang City	31.28901333	72.32092667	225	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad imran	dry cleaning shop
118	14054	General Bus Stand Near Adhiwal Chowk Jhang City	31.28901333	72.32112333	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	72.32081333	225	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Munir Ahmadhahid	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	Muhammad Sohail	Electric reaping shop
121	13009	Near Rail Bazar Chowk Jhang Sadar	31.27699333	72.31480167	135	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Majid	Electric Store
122	13008	Near Rail Bazar Chowk Jhang Sadar	31.27692167	72.31478333	135	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	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	Muhammad Ijaz	Electric Store
125	7087001	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	Muhammad Arshad	Empty
127	4012	Chowk Bazar Jhang City	31.30518667	72.3246633	72	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Arshad	Empty
128		General Bus Stand Near Adhiwal Chowk Jhang City	31.28899	72.32124333	225	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	in auction	empty
129		General Bus Stand Near Adhiwal	31.288975	72.32136333	225	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	in auction	empty

Integrated Development and Asset Management Plan (IDAMP)														
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		Chowk Jhang City												
130		General Bus Stand Near Adhiwal Chowk Jhang City	31.28900833	72.32157333	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	72.32168833	225	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	in auction	empty
134		Inside General Bus Stand Sarghodha Road	31.28943333	72.32167167	99	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	in auction	empty
135	14067	General Bus Stand Near Adhiwal	31.289425	72.32171333	110	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	in auction	empty

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		Chowk Jhang City												
136	10002	General 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	72.32224167	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	2087001	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	72.31746333	156	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muzaffar Ali	Falooda Shop
143	19044	Head Octroi Post Jhang	31.27195333	72.31747833	72	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muzaffar Ali	Falooda shop

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144	12020	Adjacent islamia School Jhang	31.27159667	72.31731167	80	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Bilal Haider	Fine Lock Master
145	22054	Tehsil Road Jhang Sadar	31.27364333	72.31627667	66	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Umer Ramzan	Flower decoration shop
146	22003	Tehsil Road Jhang Sadar	31.27364167	72.31627333	66	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Umir Ramzan	Flowers decoration shop
147	22013	Tehsil Road Jhang Sadar	31.27301333	72.31690924	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Parveez	food point
148	13001	Near Rail Bazar Chowk Jhang Sadar	31.27661667	72.31483333	135	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Muzafarud Din	Food point
149	21002	Near TMA Office	31.27821215	72.31377705	165	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Adnan Aslam	Fridge Repairing Shop
150	42	Adjacent islamia School Jhang	31.27126333	72.31731667	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	72.32782667	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

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154	41	Adjacent islamia School Jhang	31.27124299	72.31737944	96	2	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Imran	fruits shop
155	20004	Shaheed Road Sadr Jhang	31.27615	72.31494667	59	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Asghar	Garments
156	20001	Shaheed Road Sadr Jhang	31.27626333	72.31512667	164	1	Commercial	Owned/Managed	No	Yes	Rented/Leased	Good	M. Ayoub	Garments
157	8003	Shaheed Road Jhang	31.27414667	72.31673167	124	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M.Afzal	Garments
158	9001	Ganda Nala Chowk Jhang City	31.30280833	72.32848667	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	72.32140167	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	72.32242833	568	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	sheikh ali raza	gass shop
161	12017	Adjacent islamia School Jhang	31.27177334	72.31723147	120	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Ishaq	General Store
162	12012	Adjacent islamia School Jhang	31.27167	72.31726167	50	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Asif	General Store

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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	Encroachment Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
163	12032	Adjacent islamia School Jhang	31.27143	72.31728833	50	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Farooq	General Store
164	12021	Adjacent islamia School Jhang	31.271425	72.31737	50	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Abdul Raof	General Store
165	22033	Tehsil Road Jhang Sadar	31.27358667	72.31672667	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad ishaq	General store
166	19017	Head Octroi Post Jhang	31.271875	72.31715333	1088	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad ilyas	General store
167	12009	Adjacent islamia School Jhang	31.27138426	72.31732335	63	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Rafiq	general store
168	21009	Near TMA Office	31.27817724	72.31377655	165	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Rafique	Generator Repiaring Shop
169	19029	Head Octroi Post Jhang	31.27196	72.31742167	156	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Hassan Ijaz	Glassware
170	19042	Head Octroi Post Jhang	31.27204559	72.31736333	88	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Amjad Mahmood	Glassware
171	15002	Moh Bhabrahna 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	72.31729662	130	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Akhtar Saleem	Godown

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Jhang														
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174	19035	Head Octroi Post Jhang	31.27180167	72.31746167	72	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Ijaz Ahmad	Godown
175	19034	Head Octroi Post Jhang	31.27192103	72.31737399	105	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad 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	72.31747333	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	72.32170167	225	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	anwer mehmoood	hotle
181	14077	General Bus Stand Near Adhiwal Chowk Jhang City	31.28925833	72.32162167	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	Ijaz Ahmad	hotle

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183	12013	Adjacent islamia School Jhang	31.271625	72.317275	105	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Arshad	Iron Shop
184	22050	Tehsil Road Jhang Sadar	31.27342333	72.31684333	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Tahir	iron shop
185	22001	tasil road	31.27338	72.31678833	48	2	Non Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Taiyab	iron store
186	12010	Adjacent islamia School Jhang	31.27126185	72.31740091	45	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Usman	jusice shop
187	9002	Ganda Nala Chowk Jhang City	31.30279	72.32842833	118	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Abdul Aziz	kabariya shop
188	19005	Head Octroi Post Jhang	31.27167667	72.31722167	98	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Sajjad Hussain	Karyana Shop
189	19024	Head Octroi Post Jhang	31.27165167	72.31716667	80	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Inam Ul Haq	Karyana Shop
190	19006	Head Octroi Post Jhang	31.27169823	72.31716181	98	2	Commercial	Owned/Managed	Full	No	Rented/Leased	Good	inaamul haq sidique	Karyana Shop
191	19012	Head Octroi Post Jhang	31.27164167	72.31711833	80	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Ishfaq	Karyana Shop
192	19041	Head Octroi Post Jhang	31.271575	72.31717167	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

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194	19019	Head Octroi Post Jhang	31.27164729	72.3172375	98	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad ishaq	karyana store
195	12041	Adjacent islamia School Jhang	31.27169502	72.31726422	90	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Zafar Alishah	karyana store
196	12034	Adjacent islamia School Jhang	31.27132794	72.31729953	90	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Shoquat	karyana store
197	21001	Talab Committee jhang	31.27807882	72.31393551	153	2	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad 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	72.31341333	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	72.31717019	60	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Zahid Maqsood	madical store

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203	400	Chowk Bazar Jhang City	31.30514667	72.32476667	15	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Manzoor Hussain	Meat Shop
204	43	Chowk Bazar Jhang City	31.30506167	72.32467833	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	72.32465667	72	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Niwaz	Meat Shop
208	1002	Baba Umar Gate Jhang City	31.30580667	72.32775667	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	72.31720018	75	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Naseem	medical store
211	12018	Adjacent islamia School Jhang	31.27180833	72.31734833	63	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Zahoor Ilahi	Medical Store
212	19037	Head Octroi Post Jhang	31.27189333	72.31734833	72	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Younas	Medicine Godown
213	12029	Adjacent islamia School Jhang	31.27134333	72.31728667	56	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Mudassar Usman	Milk shop

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214	4009	Chowk Bazar Jhang City	31.30508167	72.32476667	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	72.32198833	314	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Ali Raza	mirror shop wheelkals
216	14014	General Bus Stand	31.28901833	72.32111167	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	72.31768667	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	72.31327667	165	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Amir Waseem	Municipal Dispensary
222	17005	Sabri Manzil Circular Road Jhang Sadar	31.27702833	72.31463833	132	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	in litigation	null

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223	17003	Sabri Manzil Circular Road Jhang Sadar	31.27694833	72.31464667	404	1	Commercial	Owned/Managed	No	Yes	Rented/Leased	Good	in litigation	null
224	13007	Near Rail Bazar Chowk Jhang Sadar	31.27672333	72.31459333	135	1	Commercial	Owned/Managed	No	Yes	Rented/Leased	Good	In litigation	null
225	13005	Near Rail Bazar Chowk Jhang Sadar	31.27671167	72.31473333	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	72.31739333	156	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Akhtar Saleem	Oil Agency
228	19021	Head Octroi Post Jhang	31.27168167	72.31767833	92	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Shahid Abbas	Oil Agency
229	19025	Head Octroi Post Jhang	31.27185385	72.31760252	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

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233	14069	General Bus Stand Near Adhiwal Chowk Jhang City	31.28900333	72.32182167	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	72.31334167	165	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Abdul Basit	Paint Shop
236	21014	Near TMA Office	31.27841185	72.31344958	165	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Abdul Basit	Paint Shop
237	21007	Near TMA Office	31.27826898	72.31376619	152	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad 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	72.31380412	152	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Barkaat Ali	Paint Shop
240	21006	Near TMA Office	31.27815167	72.31391833	152	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Barkaat Ali	Paint Shop
241	12011	Adjacent islamia School Jhang	31.27209551	72.31739044	63	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Sajjad Hussain	perfume shop

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242	8004	Shaheed Road Jhang	31.27418667	72.31682667	132	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Nadeem Muhammad Ahmad	Pharmacy
243	19031	Head Octroi Post Jhang	31.27190731	72.31723025	75	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Naseem	Pharmacy
244	7087005	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	72.31774431	120	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Sajjad Ali	Photostate Shop
246	19015	Head Octroi Post Jhang	31.27180428	72.31752112	120	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Ehsan UI Haq	Photostate Shop
247	19014	Head Octroi Post Jhang	31.271915	72.31753667	120	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Ehsan UI Haq	Photostate Shop
248	22035	Tehsil Road Jhang Sadar	31.27354933	72.31662476	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Syed Zahoor Ahmad Shah	Photostate Shop
249	22022	Tehsil Road Jhang Sadar	31.27346107	72.31680194	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	72.31353667	165	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Shahbaz Hussain	Roshan Builder and Designer

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252	19030	Head Octroi Post Jhang	31.2720071	72.31720884	1088	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Younas	Saintry Shop
253	22042	Tehsil Road Jhang Sadar	31.27333888	72.31687059	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Usman	sang tarash
254	22017	Tehsil Road Jhang Sadar	31.27304167	72.31690333	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Ashraf	Sang tarash
255	22048	Tehsil Road Jhang Sadar	31.273235	72.31684167	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	72.31690667	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	72.32339667	5440	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Abdul Ghaffar	scrape
258	14022	Inside General Bus Stand Sarghodha Road	31.2916	72.32099667	5440	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Ameen	Scrape
259	19013	Head Octroi Post Jhang	31.27169349	72.31725279	80	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Sajid Hussain	Seed Corporation
260	14035	Inside General Bus Stand Sarghodha Road	31.29052	72.32301833	5440	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Naseer	Service Station

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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	22004	Tehsil Road Jhang Sadar	31.27286989	72.317113	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Din	Shoe Shop
263	2204	Tehsil Road Jhang Sadar	31.27312833	72.31686833	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Anwar Iqbal	shoes center
264	22040	Tehsil Road Jhang Sadar	31.27328	72.31682667	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	Muhammad Akram	Shoes Shop
267	22009	Tehsil Road Jhang Sadar	31.27298	72.31699667	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	72.31723333	60	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Saeed	shopping bag shop
270	12004	Adjacent islamia School Jhang	31.2721399	72.31718419	99	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Abdul Rehman	shopping bag shop



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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	72.31388685	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	72.32148833	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	72.32166167	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	72.32170833	225	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Zahid Arif	Spare Parts
278	14059	General Bus Stand Near	31.28906667	72.32197333	110	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Allah Ditta	Spare Parts

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	Encroachment Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
		Adhiwal Chowk Jhang City												
279	4001	Chowk Bazar Jhang	31.30515667	72.32475667	72	2	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Akbar Ali	spices shop
280	19004	Head Octroi Post Jhang	31.27178099	72.31715699	98	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Aslam hasmi	Sports Shop
281	22005	Tehsil Road Jhang Sadar	31.27288333	72.31714333	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M.saleem	steel bartan shop
282	22010	Tehsil Road Jhang Sadar	31.272965	72.31700667	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Faizan Razzaq	steel bartan shop
283	22006	Tehsil Road Jhang Sadar	31.27290997	72.31696205	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	72.32460833	72	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	irfan saif	store
286	12033	Adjacent islamia School Jhang	31.271305	72.31742833	50	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Razaqat Ali	Sweet bakers
287	19040	Head Octroi Post Jhang	31.27155292	72.31725233	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

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	Encroachment 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	72.32121333	225	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	shike sahid	tea shop
291	21013	Near TMA Office	31.27842056	72.31344473	165	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad 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	72.31730833	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	72.31725204	25	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Tifail	Tobacco Shop
296	12023	Adjacent islamia School Jhang	31.27181889	72.31723149	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

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	Encroachment Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
298	12025	Adjacent islamia School Jhang	31.27158119	72.31728146	54	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Sajjad ahmad	tobacco shop
299	19003	Head Octroi Post Jhang	31.27168333	72.31724833	98	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Aslam	Toy Shop
300	19002	Head Octroi Post Jhang	31.271825	72.31724167	98	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Aslam	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	72.31716833	70	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Ghulam Dastagir	Type Shop
303	12028	Adjacent islamia School Jhang	31.27199671	72.31715794	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	72.32106667	816	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	In Auction	Vacant
306	4004	Chowk Bazar Jhang City	31.30507667	72.32469167	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Murtaza	Vegetable Shop
307	4005	Chowk Bazar Jhang City	31.305105	72.32464333	72	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M. Nasir	Vegetable Shop
308	4017	Chowk Bazar Jhang City	31.305085	72.32457333	88	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Fiaz hussain	vegetable 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	Encroachment Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
309	12030	Adjacent islamia School Jhang	31.27154764	72.31724757	52	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Nasir khan	waan shop
310	12015	Adjacent islamia School Jhang	31.27151667	72.31730833	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	72.32095667	225	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Shafqat Niwaz	waiting area shop
312	5001	Chungi Gojra Road	31.26551333	72.32745333	100	2	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Abdullaha	welding shop
313	14032	Inside General Bus Stand Sarghodha Road	31.29014167	72.32296167	5440	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M & H Company	work shop
314	22046	Tehsil Road Jhang Sadar	31.27313616	72.31693482	64	1	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Anwar Iqbal	clothes shop
Average Score		1			2			3			4		5	
Asset Condition		Excellent			Good			Fair			Poor		Failing	
Category		A			B			C			D		E	



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	Encroachment Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
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		



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: IDAMP-A15.1	Slaughterhouse Asset Condition Assessment		Asset Code: _____ Date: 26-01-2023	
Name		Chaman Pura		
Location	Latitude	31.298844		
	Longitude	72.32126		
Address		Loohlay Shah Road, Jhang		
Year of Construction				
Total Area		3 kanal 9 marla		
Ownership		MC Jhang		
Slaughter Capacity (Per Day)	Larger Animals	30-35		
	Smaller Animals	55-60		
Supervisor		Yes	No	
Doctor's Room		Yes	No	
Inhabitation Facility		Yes	No	
Slaughtering Hall		Yes	No	
Evisceration Hall		Yes	No	
Meat Cutting Room		Yes	No	
Blood Collection Arrangements		Yes	No	
Skin Storage Room		Yes	No	
Tools Disinfectant System		Yes	No	
Health and Hygiene SOPs		Yes	No	
Refrigeration / Storage System		Yes	No	

Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A15.1	Slaughterhouse			Asset Code: _____	
	Asset Condition Assessment			Date: 26-01-2023	
Separate Facility for Sick Animals	Yes	No			
Water Supply System	Yes	No			
Drainage & Disposal Facility	Yes	No			
Solid Waste Collection Facility	Yes	No			
Boundary Wall & Gate	Yes	No			
Approach Road Condition	Good	Fair	Poor		
Civil Structure Condition	Good	Fair	Poor		
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> No remarks 					
<i>Data Collected By: Mr. Abdullah</i>		<i>Designation: Team Member</i>		 <i>Sign & Date: 15 May 2023</i>	
<i>Data Checked By: Mr. M Fiaz</i>		<i>Designation: Team Lead</i>		 <i>Sign & Date: 15 May 2023</i>	

Integrated Development And Asset Management Plan (IDAMP)							
Municipal Committee Jhang							
Form: IDAMP-A15.2		Slaughterhouse Asset Condition Assessment		Asset Code: _____ Date: 26-01-2023			
Name		Jhang City Slaughter House		Pictures			
Location	Latitude	31.299118					
	Longitude	72.321085					
Address		Near Nawaz Sharif Park, Jhang Saddar					
Year of Construction							
Total Area		1 kanal 10 marla					
Ownership		MC Jhang					
Slaughter Capacity (Per Day)	Larger Animals	15-20					
	Smaller Animals	30-35					
Supervisor		Yes	No				
Doctor's Room		Yes	No				
Inhabitation Facility		Yes	No				
Slaughtering Hall		Yes	No				
Evisceration Hall		Yes	No				
Meat Cutting Room		Yes	No				
Blood Collection Arrangements		Yes	No				
Skin Storage Room		Yes	No				
Tools Disinfectant System		Yes	No				
Health and Hygiene SOPs		Yes	No				
Refrigeration / Storage System		Yes	No				
Separate Facility for Sick Animals		Yes	No				
Water Supply System		Yes	No				
Drainage & Disposal Facility		Yes	No				
Solid Waste Collection Facility		Yes	No				
Boundary Wall & Gate		Yes	No				
Approach Road Condition		Good	Fair	Poor			
Civil Structure Condition		Good	Fair	Poor			
Overall Rating							
Average Score	1	2	3	4	5		
Asset Condition	Excellent	Good	Fair	Poor	Failing		
Category	A	B	C	D	E		
Remarks / Requirements							
<ul style="list-style-type: none"> No remarks 							
Data Collected By: Mr. Abdullah		Designation: Team Member		 Sign & Date: 15 May 2023			

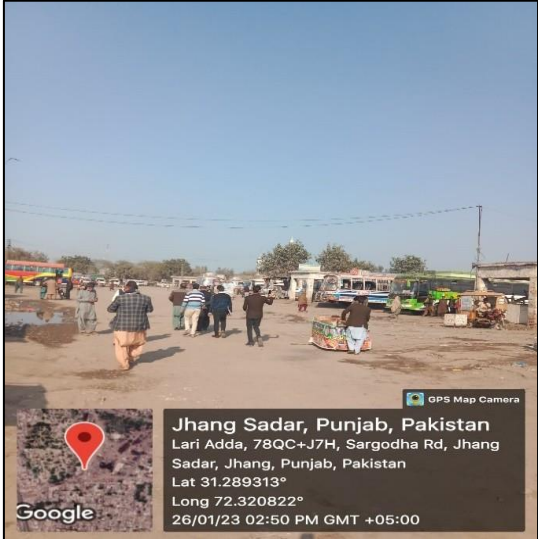
Integrated Development And Asset Management Plan (IDAMP)		
Municipal Committee Jhang		
Form: IDAMP-A15.2	Slaughterhouse Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023
Data Checked By: Mr. M Fiaz	Designation: Team Lead	 Sign & Date: 15 May 2023



Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A15.3	Slaughterhouse Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023			
Name	Harmal Pura				
Location	Latitude		31.263576		
	Longitude		72.30278		
Address	Mohalla Bagh Wala, Jhang				
Year of Construction					
Total Area	02 kanal				
Ownership	MC Jhang				
Slaughter Capacity (Per Day)	Larger Animals		15-20		
	Smaller Animals		25-30		
Supervisor	Yes		No		
Doctor's Room	Yes		No		
Inhabitation Facility	Yes		No		
Slaughtering Hall	Yes		No		
Evisceration Hall	Yes		No		
Meat Cutting Room	Yes		No		
Blood Collection Arrangements	Yes		No		
Skin Storage Room	Yes		No		
Tools Disinfectant System	Yes		No		
Health and Hygiene SOPs	Yes		No		
Refrigeration / Storage System	Yes		No		
Separate Facility for Sick Animals	Yes	No			
Water Supply System	Yes	No			
Drainage & Disposal Facility	Yes	No			
Solid Waste Collection Facility	Yes	No			
Boundary Wall & Gate	Yes	No			
Approach Road Condition	Good	Fair	Poor		
Civil Structure Condition	Good	Fair	Poor		
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E

Integrated Development And Asset Management Plan (IDAMP)		
Municipal Committee Jhang		
Form: IDAMP-A15.3	Slaughterhouse Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023
Remarks / Requirements		
<ul style="list-style-type: none"> No remarks 		
<i>Data Collected By: Mr. Abdullah</i>	<i>Designation: Team Member</i>	 Sign & Date: 15 May 2023
<i>Data Checked By: Mr. M Fiaz</i>	<i>Designation: Team Lead</i>	 Sign & Date: 15 May 2023

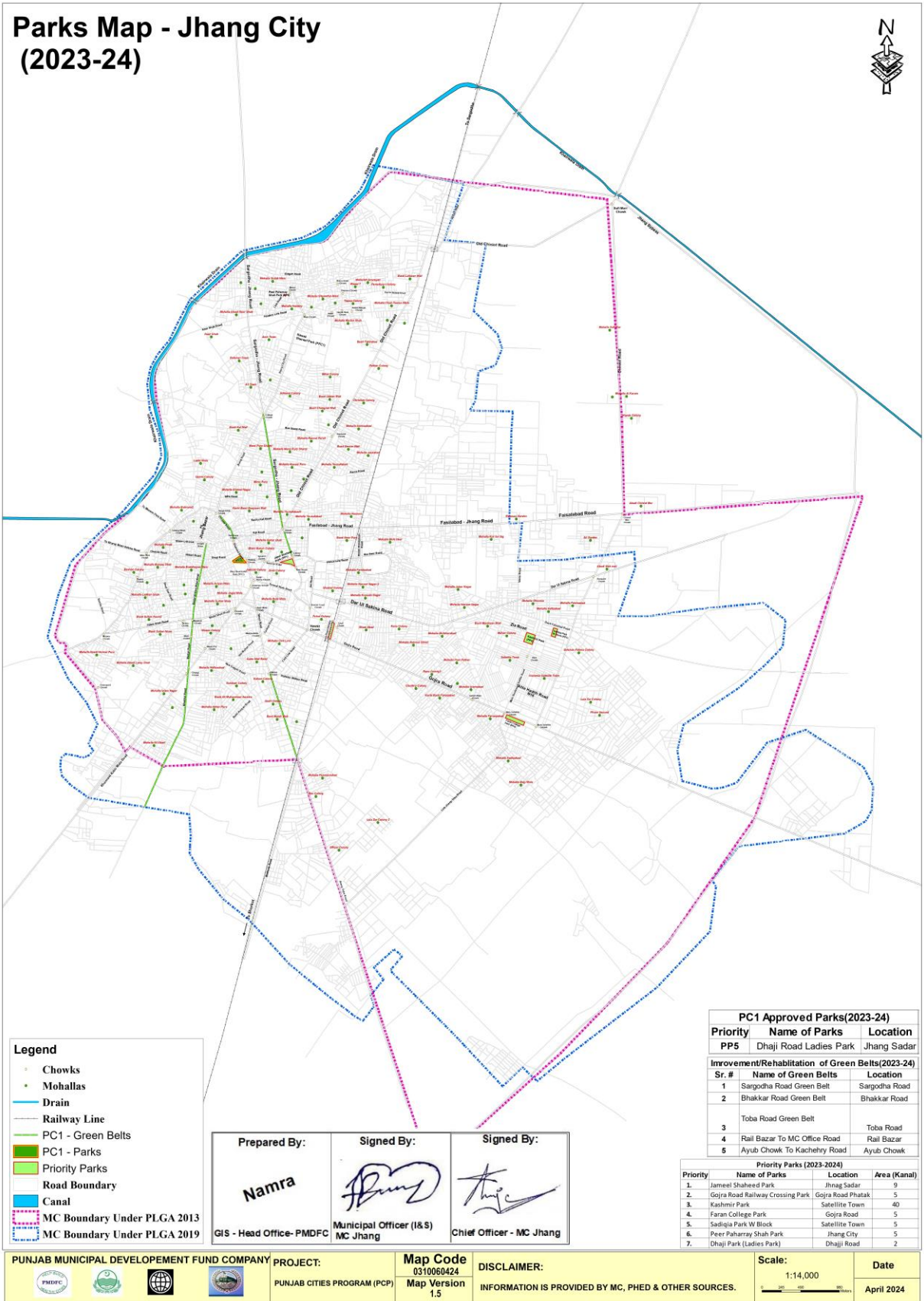
B. Bus Stand

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


Integrated Development And Asset Management Plan (IDAMP)						
Municipal Committee Jhang						
Form: IDAMP-A12		Bus Stand Asset Condition Assessment			Asset Code: _____	
					Date: 26-01-2023	
Name		Bus Stand			Pictures	
Location	Latitude	31.289292				
	Longitude	72.320806				
Address		Sargodha Road, Jhang Sadar				
Year of Construction		Not Available				
Last Major Renovation		Not Available				
Area (Acres)		13.375				
Ownership		MC				
Class		A	B	C		D
Status		Active		Idle		
Designed Capacity of Vehicles	Buses	Not Available				
	Coasters	Not Available				
	Wagons	Not Available				
Daily parking of vehicles (based on information provided by MC)	Buses	20-50				
	Coasters	20				
	Wagons	30-50				
	Rickshaws	50				
Distance from the urban area		With in City				
Security	At Entry	Yes	No			
	At Exit	Yes	No			
Security Cameras	At Entry	Yes	No			
	At Exit	Yes	No			
Gate	At Entry	Yes	No			
	At Exit	Yes	No			
Waiting Area	Men	Yes	No			
	Families	Yes	No			
Washroom	Male	Yes	No			
	Female	Yes	No			
Prayer Room	Male	Yes	No			
	Female	Yes	No			
Administration Office		Yes	No			

Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A12		Bus Stand Asset Condition Assessment			Asset Code: _____
					Date: 26-01-2023
Parking Stand	Rickshaw	Yes	No		
	Cars	Yes	No		
Fuel Outlets		Yes	No		
Reception Desk		Yes	No		
Ticketing System		Yes	No		
Tuck Shop		Yes	No		
Ablution Area		Yes	No		
Pedestrian		Yes	No		
Green Spaces		Yes	No		
Water Drinking Arrangement		Yes	No		
Water Disposal Arrangement		Yes	No		
Boarding Shed		Yes	No		
Workshops		Yes	No		
Lighting		Yes	No		
Boundary Wall		Yes	No		
Flooring & Pavement	Type	PCC/Tuff Pavers			
	Condition	Good	Fair	Poor	
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> No remarks 					
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	



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-A10.1		Park Asset Condition Assessment			Asset Code: _____
					Date: 26-01-2023
Name		Nawaz Sharif park			Pictures
Location	Latitude	31.299583			
	Longitude	72.322633			
Area In Acres		7.5			
Ownership-Owned by MC or possession allocated to MC by any other department (documents available)		MC			
Turfing Condition		Good	Fair	Poor	
Approach Road		Good	Fair	Poor	
Parking Lots		Yes		No	
Canteen Availability		Yes		No	
Average number of daily visitors (based on the assessment of MC staff)		Not Available			
Any illegal occupants or encroachments observed-if yes, type		Not Available			
Security system		Yes		No	
Watering & Irrigation					
Tube Well		Yes		No	
Water Supply from Municipal System		Yes		No	
Water Tank		Yes		No	
Pumping Unit		Yes		No	
Distribution Pipe Lines		Yes		No	

Integrated Development And Asset Management Plan (IDAMP)				
Municipal Committee Jhang				
Form: IDAMP-A10.1	Park Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023
Valves	Yes	No		
Sprinkler System	Yes	No		
Ground water storage reservoirs/ponds	Yes	No		
Landscaping & Plantation				
Grass Beds	Yes	No		
Flower Beds	Yes	No		
Hedges	Yes	No		
Plants	Yes	No		
Number of trees and species (based on readily available information at MC)	Not Available			
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				
No. of Toilets	Gents	3		
	Ladies	3		
Condition of Toilets	Gents	Poor		
	Ladies	Poor		
Buildings	Yes	No		
Fountains & Water Fall Structure	Yes	No		
Walkways	Yes	No		
Jogging tracks	Yes	No		
Ramps at entry gates for wheel chairs	Yes	No		
Bridges & Culverts	Yes	No		
Play Area	Yes	No		
Gazebos	Yes	No		
Benches/ sitting arrangements	Yes	No		
Boundary Wall & Gate	Yes	No		
Toilets	Yes	No		
Lakes & Brooks	Yes	No		
Mechanical Equipment				
Pumping Units	Yes	No		
Swings	Yes	No		
Children Games	Yes	No		
Fixtures	Yes	No		
Benches	Yes	No		
Sanitation & Water Supply				
Litter Bins	Yes	No		
Condition of SWM	Good	Fair	Poor	
Toilet Fixtures	Yes	No		
Sewerage System	Yes	No		
Vegetation Cuttings & Disposal	Yes	No		

Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A10.1	Park Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Drinking water availability and quality (based on availability of water quality test reports)	Not Available				
Water Pipes	Yes	No			
HR					
Security Guards	Yes	No			
Landscape Experts	Yes	No			
Mali/Beldaar (Number)	Yes	No			
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> Play Areas, Lights and water coolers are required. 					
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 Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A10.2	Park Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Name	Jamil Shaheed Park		Pictures		
Location	Latitude	31.274164		 <p>Jhang Sadar, Punjab, Pakistan 78FC+JVW Jamil Shaheed Park, Jhang-Sargodha Rd, Ayub Chowk, Saddar, Jhang, Punjab, Jhang Sadar, Jhang, Punjab, Pakistan Lat 31.274164° Long 72.322226° 27/01/23 10:59 AM GMT +05:00</p>	
	Longitude	72.322226			
Area In Acres	3.75				
Ownership-Owned by MC or possession allocated to MC by any other department (documents available)	MC				
Turfing Condition	Good	Fair	Poor		
Approach Road	Good	Fair	Poor		
Parking Lots	Yes	No			
Canteen Availability	Yes	No			
Average number of daily visitors	Not Available				


Integrated Development And Asset Management Plan (IDAMP)			
Municipal Committee Jhang			
Form: IDAMP-A10.2	Park Asset Condition Assessment		Asset Code: _____ Date: 26-01-2023
(based on the assessment of MC staff)			
Any illegal occupants or encroachments observed-if yes, type	Not Available		
Security system	Yes	No	
Watering & Irrigation			
Tube Well	Yes	No	
Water Supply from Municipal System	Yes	No	
Water Tank	Yes	No	
Pumping Unit	Yes	No	
Distribution Pipe Lines	Yes	No	
Valves	Yes	No	
Sprinkler System	Yes	No	
Ground water storage reservoirs/ponds	Yes	No	
Landscaping & Plantation			
Grass Beds	Yes	No	
Flower Beds	Yes	No	
Hedges	Yes	No	
Plants	Yes	No	
Number of trees and species (based on readily available information 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			
No. of Toilets	Gents	2	
	Ladies	2	
Condition of Toilets	Gents	Poor	
	Ladies	Poor	
Buildings	Yes	No	
Fountains & Water Fall Structure	Yes	No	
Walkways	Yes	No	
Jogging tracks	Yes	No	
Ramps at entry gates for wheel chairs	Yes	No	
Bridges & Culverts	Yes	No	
Play Area	Yes	No	
Gazebos	Yes	No	
Benches/ sitting arrangements	Yes	No	
Boundary Wall & Gate	Yes	No	
Toilets	Yes	No	
Lakes & Brooks	Yes	No	
Mechanical Equipment			

Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A10.2	Park Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Pumping Units	Yes	No			
Swings	Yes	No			
Children Games	Yes	No			
Fixtures	Yes	No			
Benches	Yes	No			
Sanitation & Water Supply					
Litter Bins	Yes	No			
Condition of SWM	Good	Fair	Poor		
Toilet Fixtures	Yes	No			
Sewerage System	Yes	No			
Vegetation Cuttings & Disposal	Yes	No			
Drinking water availability and quality (based on availability of water quality test reports)					
Water Pipes	Yes	No			
HR					
Security Guards	Yes	No			
Landscape Experts	Yes	No			
Mali/Beldaar (Number)	Yes	No			
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> No remarks 					
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 Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A10.3	Park Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
Name		Dajji Park		Pictures	
Location	Latitude	31.2738			
	Longitude	72.3146			
Area In Acres		0.2			
Ownership-Owned by MC or possession allocated to MC by any other department (documents available)		MC			
Turfing Condition		Good	Fair		Poor
Approach Road		Good	Fair		Poor
Parking Lots		Yes	No		
Canteen Availability		Yes	No		
Average number of daily visitors (based on the assessment of MC staff)		Not Available			
Any illegal occupants or encroachments observed-if yes, type		Not Available			
Security system		Yes	No		
Watering & Irrigation					
Tube Well		Yes	No		
Water Supply from Municipal System		Yes	No		
Water Tank		Yes	No		
Pumping Unit		Yes	No		
Distribution Pipe Lines		Yes	No		
Valves		Yes	No		
Sprinkler System		Yes	No		
Ground water storage reservoirs/ponds		Yes	No		
Landscaping & Plantation					
Grass Beds		Yes	No		
Flower Beds		Yes	No		
Hedges		Yes	No		
Plants		Yes	No		
Number of trees and species (based on readily available information at MC)		30			
Lights					
Total Number		13			
Poles		Yes	No		
Cables		Yes	No		
Brackets And Lights		Yes	No		
Bulbs And Tubes		Yes	No		
Control Units		Yes	No		
Structures					
No. of Toilets	Gents	0			



Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Jhang					
Form: IDAMP-A10.3	Park Asset Condition Assessment			Asset Code: _____ Date: 26-01-2023	
	Ladies	2			
Condition of Toilets	Gents	-			
	Ladies	Excellent			
Buildings	Yes	No			
Fountains & Water Fall Structure	Yes	No			
Walkways	Yes	No			
Jogging tracks	Yes	No			
Ramps at entry gates for wheel chairs	Yes	No			
Bridges & Culverts	Yes	No			
Play Area	Yes	No			
Gazebos	Yes	No			
Benches/ sitting arrangements	Yes	No			
Boundary Wall & Gate	Yes	No			
Toilets	Yes	No			
Lakes & Brooks	Yes	No			
Mechanical Equipment					
Pumping Units	Yes	No			
Swings	Yes	No			
Children Games	Yes	No			
Fixtures	Yes	No			
Benches	Yes	No			
Sanitation & Water Supply					
Litter Bins	Yes	No			
Condition of SWM	Yes	No			
Toilet Fixtures	Yes	No			
Sewerage System	Yes	No			
Vegetation Cuttings & Disposal	Yes	No			
Drinking water availability and quality (based on availability of water quality test reports)	Not Available				
Water Pipes	Yes	No			
HR					
Security Guards	Yes	No			
Landscape Experts	Yes	No			
Mali/Beldaar (Number)	0				
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
<ul style="list-style-type: none"> Ticket system, Security, Play Areas, Lights and water coolers are required. 					
Data Collected By: Mr. Abdullah		Designation: Team Member		 Sign & Date: 15 May 2023	

Integrated Development And Asset Management Plan (IDAMP)		
Municipal Committee Jhang		
Form: IDAMP-A10.3	Park Asset Condition Assessment	Asset Code: _____ Date: 26-01-2023
Data Checked By: Mr. M Fiaz	Designation: Team Lead	 Sign & Date: 15 May 2023

6. Land

A. Open Plots

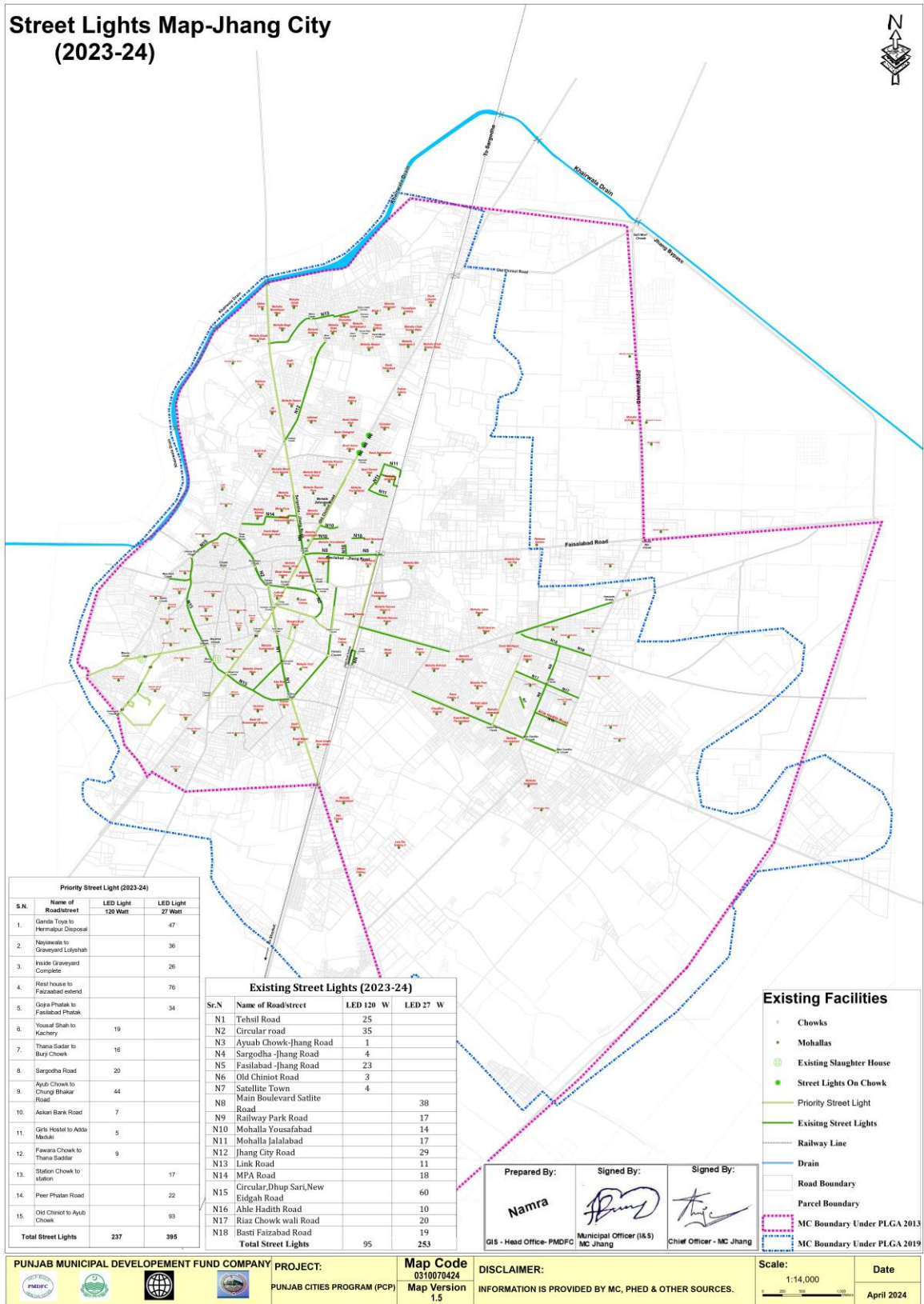
Sr #	Name	Condition	Area (Kanals)	Book Value (PKR Mil)
1	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
2	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
3	Plot 1 Kanal-Inside General Bus Stand Sarghodha Road	Good	1	15.3
4	Plot 1 Kanal-Inside General Bus Stand Sarghodha 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
Operational Street Lights	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: 26-01-2023
Pictures				
				
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

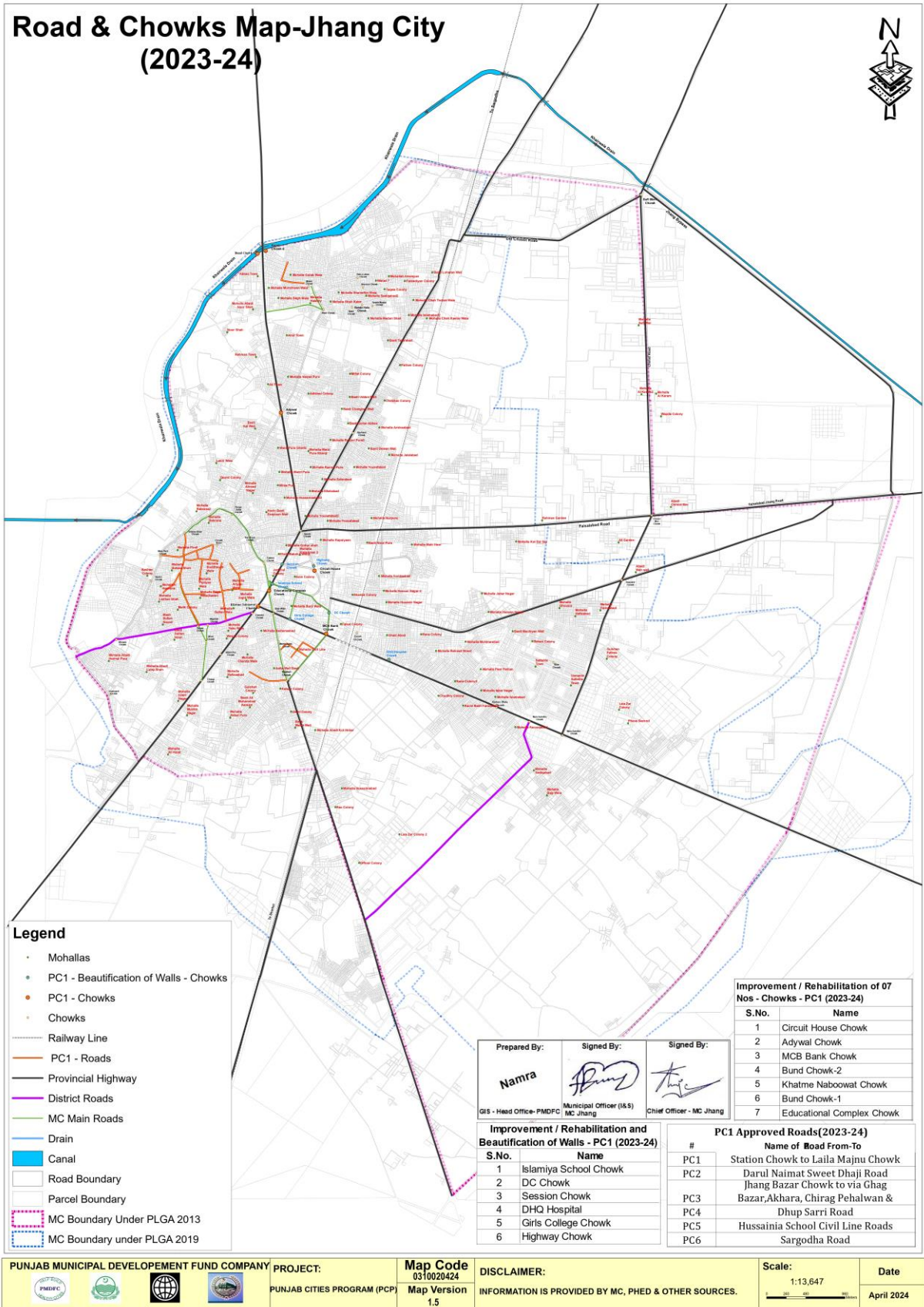

Sign & Date: 15 May 2023

<i>Data Checked By: Mr. M Fiaz</i>	<i>Designation: Team Lead</i>	 <i>Sign & Date: 15 May 2023</i>
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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 (ft)	Existing Type	Length (km)
	From	To			
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 (ft)	Existing Type	Length (km)
	From	To			
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)								
Municipal Committee Jhang								
Form: IDAMP-A8	Road Asset Condition Assessment				Asset Code: _____ Date: 26-01-2023			
Pictures								
Sr. No.	From	To	Ownership	TST, Asphalt Or Concrete Pavers	Row (Ft)	Paved Width (Ft)	Approx. Length (Km)	Condition
1	Pakka Railway Road Old Chiniot Road	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 Railway Road Old Chiniot Road	Shereen Chowk	MC Jhang	TST	35	20	1.2	poor
5	Rasheed Chowk	Sargodha Road	MC Jhang	TST	70	20	0.8	poor
6	Adhiwal Chowk	Tanga Adda Jhang City	MC Jhang	TST	65	20	2.25	poor
7	Sargodha Road Chungi No.22	High School Chowk/ Thana City	MC Jhang	TST		20	2.3	poor
8	Hafiz Abad Chowk Old Chiniot Road	Tibba Registan	MC Jhang	TST		15	1	poor
9	Tanga Adda City	Jora Khu	MC Jhang	TST		15	1.2	poor
10	Jora Khu	Babe Usman	MC Jhang	TST		15	1.5	poor
11	Cycle More / Lorry Add	Government 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 Chowk, Sargodha Road	Eid Gah	MC Jhang	TST		15	1	poor
15	Adhiwal Chowk	Via Sabzi Mandi Tanga Adda Saddar	MC Jhang	TST	50	20	2	poor


Integrated Development And Asset Management Plan (IDAMP)								
Municipal Committee Jhang								
Form: IDAMP-A8	Road Asset Condition Assessment						Asset Code: _____	Date: 26-01-2023
16	Sargodha Road	Jhang Road (MPA Road)	MC Jhang	TST	40	20	1	poor
17	Sabzi Mandi	Bye Pass Via Basti Kal Wali	MC Jhang	TST	40	20	2.5	poor
18	MPA Chowk Jhang Road	Street A-Rahman Wali Bhabhrana Mohallah	MC Jhang	TST	20	20	1	poor
19	Chiragh Pehalwan Akhara	Jhang Bazar Chowk	MC Jhang	TST	40	22	1.25	poor
20	Jhang Bazar 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 Pehalwan Akhara	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 Chowk	Station Chowk	MC Jhang	TST	40	20	1.15	poor
25	Bohar Wala Chowk	Toba Road Via Millat College	MC Jhang	TST	55	25	0.7	poor
26	Thana Saddar Chowk /Islamia School	Toba Wala Phatak Toba Road	MC Jhang	TST+Asphalt	55	25	2.25	poor
27	Fowara Chowk	Kot Road Via Main Bazar	MC Jhang	TST	40	18	0.8	poor
28	Railbazar Chowk Pakka Kot Road	Ayoub Chowk	MC Jhang	TST	60	30	1.05	poor
29	Darul Sakina Road Rehmat Street	Gojra Road	MC Jhang	TST	18	15	0.4	poor
30	Dhudhi Mor Via Musa Chowk	Forest Office Link Chiniot Road	MC Jhang	TST	60	15	0.85	poor
31	Musa Chowk	Khokha Chowk	MC Jhang	TST	60	20	1.2	poor
32	Link Chiniot Road Green Belt	Behari Colony Via Bashir Chowk	MC Jhang	TST	70	12	0.9	poor

Integrated Development And Asset Management Plan (IDAMP)								
Municipal Committee Jhang								
Form: IDAMP-A8		Road Asset Condition Assessment				Asset Code: _____ Date: 26-01-2023		
33	Bihari Colony	Link Chiniot Road Via Riaz Chowk	MC Jhang	TST	35	12	0.9	poor
34	Satellite Town Internal Roads		MC Jhang	TST	35	12	5	poor
35	Toba Road Railway Phatak	Faisalabad Road Railway Phatak Via Railway Colony	MC Jhang	TST	40	18	2.25	Good
36	Ghalla Mandi	Nawaz Chowk Via Dpo Residance Back	MC Jhang	TST	40	18	1.1	poor
37	Fowara Chowk Dhajji Road	Bulaq Shah Ground	MC Jhang	TST	35	15	1.5	poor
38	Chandni Chowk	Dhajji Road Via Gumbado Wali Masjid	MC Jhang	TST	35	15	1.1	poor
Data Collected By: Mr. Abdullah			Designation: Team Member			 Sign & Date: 15 May 2023		
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

Integrated Development and Asset Management Plan (IDAMP)			
Municipal Committee Jhang			
Form: IDAMP-A16	Moveable Asset Asset Condition Assessment	Asset Code: _____ Date: 27-03-2023	
Type of Vehicle / Machinery		Pictures	
Car & 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 / Requirements			
<ul style="list-style-type: none"> No remarks 			
Data Collected By: Mr. Abdullah	Designation: Team Member	 Sign & Date: 15 May 2023	

Integrated Development 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: Mr. M Fiaz	Designation: Team Lead	 Sign & Date: 15 May 2023

Annexure B. Projects Coding Scheme:

Region Name	Region Code	MC	MC Code	Property Types	Property Type Code	Sub Property Types	Sub Property Type Code	Unique Codes
Central Punjab	02	Jhang	09	Water Supply System	01	Tube wells	01	02-09-01-01-XX
						Water Supply Network (ft)	02	02-09-01-02-XX
						OHR	03	02-09-01-03-XX
						Filtration Plants	04	02-09-01-04-XX
						Vehicles	05	02-09-01-05-XX
						GST	06	02-09-01-06-XX
				Sewerage System	02	Sewerage Network (ft)	01	02-09-02-01-XX
						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
						Vehicles	02	02-09-03-02-XX
						Parking Shed	03	02-09-03-03-XX
				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
				Public Places	05	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
						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	MC	MC Code	Property Types	Property Type Code	Sub Property Types	Sub Property Type Code	Unique Codes
				Others	06	Office buildings	01	02-09-06-01-XX
						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. Project Purpose & Service Delivery Improvement									
1.1	Does the project fill a gap in a wider system of service delivery?	30	10	2.5	Minor contribution	Significant contribution	10		
				7.5	Major contribution				
				10	Significant contribution				
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		30	10	0	No contribution.	Major contribution to key development goal.	10	
					2.5	Indirect contribution.			
					7.5	Minor direct contribution			
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?			30	10	0	No consequences	Major immediate consequences	10
						2.5	Minor consequences		
						7.5	Major future consequences		
		30			10	10	Major immediate consequences	Major immediate consequences	10
2. Public 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				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 opposition for the project from NGO's, community groups, network, media, or business organizations?			1	Minority opposition		
				5	Majority support		
				2.5	Minority support		
2.3	Is there support or opposition from residents in the immediate vicinity of the new facility?		2.5	0	Majority opposition	Majority support	2.5
				0.5	Minority opposition		
				2.5	Majority support		
				1.5	Minority support		
3. Environmental Impact							
3.1	The impact of the proposed project on the quality of local environment (e.g., Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10
				5	Neutral		
				10	Positive effects on the quality of the local environment		
4. Socio-Economic Impact							
4.1	Will the project bring in direct revenue?	15	7.5	0	No direct revenue	No direct revenue	0
				2.5	Direct revenue is not sufficient to meet O&M costs		
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
4.2	Are there indirect economic benefits from this project in the long term, e.g., employment creation, investment generation,		7.5	0	Negative impact on the local economy	Little or no long-term economic development benefits	2.5
				2.5	Little or no long-term economic development benefits		
				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 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 (If required)?	30	10	10	Yes	Yes	10
				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	Yes	Yes	5
				0	No		
5.3	Will the project get approval from higher levels of Government?		5	1	Difficult	Easy	5
				2.5	Standard		
				5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	1	Difficult	Easy	5
				3	Standard		
				5	Easy		
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5	0	Outside expertise needed for construction, O&M	Outside expertise needed for construction phase only	1
				1	Outside expertise needed for construction phase only		
				3	Outside expertise needed for preparation phase i.e., feasibility studies		
				5	No outside expertise needed		
Total Achieved Score							83.5

Project ID:

02-09-01-04-02

Project Description :

Rehabilitation and Improvement of water supply system

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
1. Project Purpose & Service Delivery Improvement									
1.1	Does the project fill a gap in a wider system of service delivery?	30	10	2.5	Minor contribution	Significant contribution	10		
				7.5	Major contribution				
				10	Significant contribution				
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		30	10	0	No contribution.	Major contribution to key development goal.	10	
					2.5	Indirect contribution.			
					7.5	Minor direct contribution			
					10	Major contribution to key development goal.			
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?			30	10	0	No consequences	Major immediate consequences	10
						2.5	Minor consequences		
		7.5				Major future consequences			
		10				Major immediate consequences			
2. Public 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 opposition for the project from NGO's, community groups,		15		5	0	Majority opposition	Majority support	5
				1		Minority opposition			
				5		Majority support			
				2.5		Minority support			

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
	network, media or business organizations?								
2.3	Is there support or opposition from residents in the immediate vicinity of the new facility?		2.5	0	Majority opposition	Majority support	2.5		
				0.5	Minority opposition				
				2.5	Majority support				
				1.5	Minority support				
3. Environmental Impact									
3.1	The impact of the proposed project on the quality of local environment (e.g. Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10		
				5	Neutral				
				10	Positive effects on the quality of the local environment				
4. Socio-Economic Impact									
4.1	Will the project bring in direct revenue?	15	7.5	0	No direct revenue	No direct revenue	0		
								2.5	Direct revenue is not sufficient to meet O&M costs
								5	Revenue meets O&M costs
								7.5	Revenue exceeds O&M costs
4.2	Are there indirect economic benefits from this project in the long term, e.g. employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?		7.5	0	Negative impact on the local economy	Little or no long term economic development benefits	2.5		
				2.5	Little or no long term economic development benefits				
				5	Additional investment in the area and increased wealth for citizens				
				7.5	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	Yes	Yes	5
					0	No		
5.3	Will the project get approval from higher levels of Government?		5		1	Difficult	Easy	5
					2.5	Standard		
					5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5		1	Difficult	Easy	5
					3	Standard		
					5	Easy		
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5		0	Outside expertise needed for construction, O&M	Outside expertise needed for construction phase only	1
					1	Outside expertise needed for construction phase only		
					3	Outside expertise needed for preparation phase i.e. feasibility studies		
					5	No outside expertise needed		
Total Achieved Score							83.5	

Project ID:

02-09-01-06-01

Project Description :

Construction of Underground Water Storage Tanl

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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
2.3	Is there support or opposition from residents in the immediate vicinity of the new facility?		2.5	0	Majority opposition	Majority support	2.5
				0.5	Minority opposition		
				2.5	Majority support		
				1.5	Minority support		
3. Environmental Impact							
3.1	The impact of the proposed project on the quality of local environment (e.g. Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10
				5	Neutral		
				10	Positive effects on the quality of the local environment		
4. Socio-Economic Impact							
4.1	Will the project bring in direct revenue?		7.5	0	No direct revenue	No direct revenue	0
				2.5	Direct revenue is not sufficient to meet O&M costs		
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
4.2	Are there indirect economic benefits from this project in the long term, e.g. employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?	15	7.5	0	Negative impact on the local economy	Little or no long term economic development benefits	2.5
				2.5	Little or no long term economic development benefits		
				5	Additional investment in the area and increased wealth for citizens		
				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 (If required)?	30	10	10	Yes	Yes	10
				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				
5.3	Will the project get approval from higher levels of Government?					1	Difficult	Easy	5
						2.5	Standard		
						5	Easy		
5.4	Ease of implementation of project in respect of technical design?					1	Difficult	Easy	5
						3	Standard		
						5	Easy		
5.5	Is there a capable system in place to implement and operate this project or is external support needed?					0	Outside expertise needed for construction, O &M	Outside expertise needed for construction phase only	1
						1	Outside expertise needed for construction phase only		
						3	Outside expertise needed for preparation phase i.e. feasibility studies		
						5	No outside expertise needed		
Total Achieved Score							83.5		

Project Screening and Phasing:**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. Project Purpose & Service Delivery Improvement									
1.1	Does the project fill a gap in a wider system of service delivery?	30	10	2.5	Minor contribution	Significant contribution	10		
				7.5	Major contribution				
				10	Significant contribution				
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		30	10	0	No contribution.	Major contribution to key development goal.	10	
					2.5	Indirect contribution.			
					7.5	Minor direct contribution			
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?			30	10	0	No consequences	Major immediate consequences	10
						2.5	Minor consequences		
						7.5	Major future consequences		
		10				Major immediate consequences			
2. Public 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 opposition for the project from		15		5	0	Majority opposition	Majority support	5
				1		Minority opposition			
				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			
2.3	Is there support or opposition from residents in the immediate vicinity of the new facility?			2.5	0			Majority opposition
					0.5			Minority opposition
					2.5			Majority support
					1.5			Minority support
3. Environmental Impact								
3.1	The impact of the proposed project on the quality of local environment (e.g., Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10	
				5	Neutral			
				10	Positive effects on the quality of the local environment			
4. Socio-Economic Impact								
4.1	Will the project bring in direct revenue?	15	7.5	0	No direct revenue	No direct revenue	0	
				2.5	Direct revenue is not sufficient to meet O&M costs			
				5	Revenue meets O&M costs			
				7.5	Revenue exceeds O&M costs			
4.2	Are there indirect economic benefits from this project in the long term, e.g., employment		7.5	0	Negative impact on the local economy	Additional investment in the area and increased wealth for citizens	5	
				2.5	Little or no long-term economic development benefits			
				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
	creation, investment generation, increase in 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 project (If required)?		10	10	Yes	Yes	10
				0	No		
5.2	Has funding been secured/allocated within the Local Government budget or whether the external sources of funding have been secured?	30	5	5	Yes	Yes	5
				0	No		
5.3	Will the project get approval from higher levels of Government?		5	1	Difficult	Easy	5
				2.5	Standard		
				5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	1	Difficult	standard	3
				3	Standard		
				5	Easy		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5	0	Outside expertise needed for construction, O&M	Outside expertise needed for construction phase only	1
				1	Outside expertise needed for construction phase only		
				3	Outside expertise needed for preparation phase i.e., feasibility studies		
				5	No outside expertise needed		
Total Achieved Score							84

Project Screening and Phasing:**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. Project Purpose & Service Delivery Improvement									
1.1	Does the project fill a gap in a wider system of service delivery?	30	10	2.5	Minor contribution	Significant contribution	10		
				7.5	Major contribution				
				10	Significant contribution				
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		30	10	0	No contribution.	Major contribution to key development goal.	10	
					2.5	Indirect contribution.			
					7.5	Minor direct contribution			
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?			30	10	0	No consequences	Major immediate consequences	10
						2.5	Minor consequences		
						7.5	Major future consequences		
		10				Major immediate consequences			
2. Public 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 opposition for the project from		15		5	0	Majority opposition	Majority support	5
				1		Minority opposition			
				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			
2.3	Is there support or opposition from residents in the immediate vicinity of the new facility?			2.5	0	Majority opposition	Majority support	2.5
					0.5	Minority opposition		
					2.5	Majority support		
					1.5	Minority support		
3. Environmental Impact								
3.1	The impact of the proposed project on the quality of local environment (e.g., Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10	
				5	Neutral			
				10	Positive effects on the quality of the local environment			
4. Socio-Economic Impact								
4.1	Will the project bring in direct revenue?	15	7.5	0	No direct revenue	No direct revenue	0	
				2.5	Direct revenue is not sufficient to meet O&M costs			
				5	Revenue meets O&M costs			
				7.5	Revenue exceeds O&M costs			
4.2	Are there indirect economic benefits from this project in the long term, e.g., employment		7.5	0	Negative impact on the local economy	Little or no long-term economic development benefits	2.5	
				2.5	Little or no long-term economic development benefits			
				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
	creation, investment generation, increase in 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 project (If required)?		10	10	Yes	Yes	10
				0	No		
5.2	Has funding been secured/allocated within the Local Government budget or whether the external sources of funding have been secured?	30	5	5	Yes	Yes	5
				0	No		
5.3	Will the project get approval from higher levels of Government?		5	1	Difficult	Easy	5
				2.5	Standard		
				5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	1	Difficult	Easy	5
				3	Standard		
				5	Easy		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5	0	Outside expertise needed for construction, O&M	No outside expertise needed	5
				1	Outside expertise needed for construction phase only		
				3	Outside expertise needed for preparation phase i.e., feasibility studies		
				5	No outside expertise needed		
Total Achieved Score							87.5

Project Screening and Phasing:**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. Project Purpose & Service Delivery Improvement									
1.1	Does the project fill a gap in a wider system of service delivery?	30	10	2.5	Minor contribution	Significant contribution	10		
				7.5	Major contribution				
				10	Significant contribution				
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		30	10	0	No contribution.	Major contribution to key development goal.	10	
					2.5	Indirect contribution.			
					7.5	Minor direct contribution			
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?			30	10	0	No consequences	Major immediate consequences	10
						2.5	Minor consequences		
						7.5	Major future consequences		
		10				Major immediate consequences			
2. Public 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 opposition for the project from		15		5	0	Majority opposition	Majority support	5
				1		Minority opposition			
				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	Majority support	2.5	
2.3	Is there support or opposition from residents in the immediate vicinity of the new facility?			2.5	0			Majority opposition
					0.5			Minority opposition
					2.5			Majority support
					1.5			Minority support
3. Environmental Impact								
3.1	The impact of the proposed project on the quality of local environment (e.g., Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10	
				5	Neutral			
				10	Positive effects on the quality of the local environment			
4. Socio-Economic Impact								
4.1	Will the project bring in direct revenue?	15	7.5	0	No direct revenue	No direct revenue	0	
				2.5	Direct revenue is not sufficient to meet O&M costs			
				5	Revenue meets O&M costs			
				7.5	Revenue exceeds O&M costs			
4.2	Are there indirect economic benefits from this project in the long term, e.g., employment		7.5	0	Negative impact on the local economy	Significant competitive advantage to industry and boost to the local economy	7.5	
				2.5	Little or no long-term economic development benefits			
				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
	creation, investment generation, increase in 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 project (If required)?		10	10	Yes	Yes	10
				0	No		
5.2	Has funding been secured/allocated within the Local Government budget or whether the external sources of funding have been secured?	30	5	5	Yes	Yes	5
				0	No		
5.3	Will the project get approval from higher levels of Government?		5	1	Difficult	Easy	5
				2.5	Standard		
				5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	1	Difficult	standard	3
				3	Standard		
				5	Easy		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5	0	Outside expertise needed for construction, O&M	Outside expertise needed for construction, O&M	0
				1	Outside expertise needed for construction phase only		
				3	Outside expertise needed for preparation phase i.e., feasibility studies		
				5	No outside expertise needed		
Total Achieved Score							85.5

Project Screening and Phasing:**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. Project Purpose & Service Delivery Improvement									
1.1	Does the project fill a gap in a wider system of service delivery?	30	10	2.5	Minor contribution	Significant contribution	10		
				7.5	Major contribution				
				10	Significant contribution				
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		30	10	0	No contribution.	Major contribution to key development goal.	10	
					2.5	Indirect contribution.			
					7.5	Minor direct contribution			
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?			30	10	0	No consequences	Major immediate consequences	10
						2.5	Minor consequences		
						7.5	Major future consequences		
		10				Major immediate consequences			
2. Public 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 opposition for the project from		15		5	0	Majority opposition	Majority support	5
				1		Minority opposition			
				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					
2.3	Is there support or opposition from residents in the immediate vicinity of the new facility?			2.5	0			Majority opposition	Majority support	2.5
					0.5			Minority opposition		
					2.5			Majority support		
					1.5			Minority support		
3. Environmental Impact										
3.1	The impact of the proposed project on the quality of local environment (e.g., Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10			
				5	Neutral					
				10	Positive effects on the quality of the local environment					
4. Socio-Economic Impact										
4.1	Will the project bring in direct revenue?	15	7.5	0	No direct revenue	No direct revenue	0			
				2.5	Direct revenue is not sufficient to meet O&M costs					
				5	Revenue meets O&M costs					
				7.5	Revenue exceeds O&M costs					
4.2	Are there indirect economic benefits from this project in the long term, e.g., employment		7.5	0	Negative impact on the local economy	Significant competitive advantage to industry and boost to the local economy	7.5			
				2.5	Little or no long-term economic development benefits					
				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
	creation, investment generation, increase in 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 project (If required)?		10	10	Yes	Yes	10
				0	No		
5.2	Has funding been secured/allocated within the Local Government budget or whether the external sources of funding have been secured?	30	5	5	Yes	Yes	5
				0	No		
5.3	Will the project get approval from higher levels of Government?		5	1	Difficult	Easy	5
				2.5	Standard		
				5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	1	Difficult	standard	3
				3	Standard		
				5	Easy		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5	0	Outside expertise needed for construction, O&M	Outside expertise needed for construction, O&M	0
				1	Outside expertise needed for construction phase only		
				3	Outside expertise needed for preparation phase i.e., feasibility studies		
				5	No outside expertise needed		
Total Achieved Score							85.5

Project Screening and Phasing:**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. Project Purpose & Service Delivery Improvement									
1.1	Does the project fill a gap in a wider system of service delivery?	30	10	2.5	Minor contribution	Significant contribution	10		
				7.5	Major contribution				
				10	Significant contribution				
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		30	10	0	No contribution.	Major contribution to key development goal.	10	
					2.5	Indirect contribution.			
					7.5	Minor direct contribution			
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?			30	10	0	No consequences	Major future consequences	7.5
						2.5	Minor consequences		
						7.5	Major future consequences		
		10				Major immediate consequences			
2. Public 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 opposition for the project from		15		5	0	Majority opposition	Majority support	5
				1		Minority opposition			
				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					
2.3	Is there support or opposition from residents in the immediate vicinity of the new facility?			2.5	0			Majority opposition	Majority support	2.5
					0.5			Minority opposition		
					2.5			Majority support		
					1.5			Minority support		
3. Environmental Impact										
3.1	The impact of the proposed project on the quality of local environment (e.g., Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10			
				5	Neutral					
				10	Positive effects on the quality of the local environment					
4. Socio-Economic Impact										
4.1	Will the project bring in direct revenue?	15	7.5	0	No direct revenue	No direct revenue	0			
				2.5	Direct revenue is not sufficient to meet O&M costs					
				5	Revenue meets O&M costs					
				7.5	Revenue exceeds O&M costs					
4.2	Are there indirect economic benefits from this project in the long term, e.g.,	7.5	7.5	0	Negative impact on the local economy	Additional investment in the area and increased wealth for citizens	5			
				2.5	Little or no long-term economic development benefits					

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
	employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?			5	Additional investment in the area and increased wealth for citizens			
				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 (If required)?	30	10	10	Yes	Yes	10	
				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	5	Yes	Yes	5
					0	No		
5.3	Will the project get approval from higher levels of Government?	5	5	1	Difficult	Standard	2.5	
				2.5	Standard			
				5	Easy			
5.4	Ease of implementation of project in respect	5	5	1	Difficult	Easy	5	
				3	Standard			
				5	Easy			

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

Project Screening and Phasing Criteria:**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. Project Purpose & Service Delivery Improvement									
1.1	Does the project fill a gap in a wider system of service delivery?	30	10	2.5	Minor contribution	Significant contribution	10		
				7.5	Major contribution				
				10	Significant contribution				
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		30	10	0	No contribution.	Major contribution to key development goal.	10	
					2.5	Indirect contribution.			
					7.5	Minor direct contribution			
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?			30	10	10	Major contribution to key development goal.	Major future consequences	7.5
						0	No consequences		
						2.5	Minor consequences		
		7.5				Major future consequences			
		30				10	Major immediate consequences		
						0	No consequences		
			2.5			Minor consequences			
			7.5			Major future consequences			
2. Public 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 opposition for the project from NGO's, community groups, network, media, or business organizations?			15	5	0	Majority opposition	Majority support	5
		1				Minority opposition			
		5				Majority support			
		2.5	Minority support						

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
2.3	Is there support or opposition from residents in the immediate vicinity of the new facility?		2.5	0	Majority opposition	Majority support	2.5
				0.5	Minority opposition		
				2.5	Majority support		
				1.5	Minority support		
3. Environmental Impact							
3.1	The impact of the proposed project on the quality of local environment (e.g., Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10
				5	Neutral		
				10	Positive effects on the quality of the local environment		
4. Socio-Economic Impact							
4.1	Will the project bring in direct revenue?	15	7.5	0	No direct revenue	No direct revenue	0
				2.5	Direct revenue is not sufficient to meet O&M costs		
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
4.2	Are there indirect economic benefits from this project in the long term, e.g., employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?	15	7.5	0	Negative impact on the local economy	Little or no long-term economic development benefits	2.5
				2.5	Little or no long-term economic development benefits		
				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
				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 (If required)?	30	10	10	Yes	Yes	10
				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	Yes	No	0
				0	No		
5.3	Will the project get approval from higher levels of Government?		5	1	Difficult	Difficult	1
				2.5	Standard		
				5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	1	Difficult	Difficult	1
				3	Standard		
				5	Easy		
5.5	Is there a capable system in place to implement and operate this project or is external support needed?	5	0	Outside expertise needed for construction, O&M	Outside expertise needed for construction phase only	1	
			1	Outside expertise needed for construction phase only			
			3	Outside expertise needed for preparation phase i.e. , feasibility studies			
			5	No outside expertise needed			
Total Achieved Score							68

Project Screening and Phasing Criteria:**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. Project Purpose & Service Delivery Improvement									
1.1	Does the project fill a gap in a wider system of service delivery?	30	10	2.5	Minor contribution	Significant contribution	10		
				7.5	Major contribution				
				10	Significant contribution				
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		30	10	0	No contribution.	Major contribution to key development goal.	10	
					2.5	Indirect contribution.			
					7.5	Minor direct contribution			
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?			30	10	0	No consequences	Major future consequences	7.5
						2.5	Minor consequences		
						7.5	Major future consequences		
		10				Major immediate consequences			
2. Public 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 opposition for the project from NGO's, community groups, network, media, or business organizations?		15		5	0	Majority opposition	Majority support	5
				1		Minority opposition			
				5		Majority support			
2.3				15	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 residents in the immediate vicinity of the new facility?			0.5	Minority opposition		
				2.5	Majority support		
				1.5	Minority support		
3. Environmental Impact							
3.1	The impact of the proposed project on the quality of local environment (e.g., Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10
				5	Neutral		
				10	Positive effects on the quality of the local environment		
4. Socio-Economic Impact							
4.1	Will the project bring in direct revenue?		7.5	0	No direct revenue	No direct revenue	0
				2.5	Direct revenue is not sufficient to meet O&M costs		
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
4.2	Are there indirect economic benefits from this project in the long term, e.g., employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?	15	7.5	0	Negative impact on the local economy	Little or no long-term economic development benefits	2.5
				2.5	Little or no long-term economic development benefits		
				5	Additional investment in the area and increased wealth for citizens		
				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 (If required)?	30	10	10	Yes	Yes	10
				0	No		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
5.2	Has funding been secured/allocated within the Local Government budget or whether the external sources of funding have been secured?		5	5	Yes	No	0
				0	No		
5.3	Will the project get approval from higher levels of Government?		5	1	Difficult	Difficult	1
				2.5	Standard		
				5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	1	Difficult	Difficult	1
				3	Standard		
				5	Easy		
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5	0	Outside expertise needed for construction, O&M	Outside expertise needed for construction phase only	1
				1	Outside expertise needed for construction phase only		
				3	Outside expertise needed for preparation phase i.e., feasibility studies		
				5	No outside expertise needed		
Total Achieved Score							68

Project Screening and Phasing Criteria:**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. Project Purpose & Service Delivery Improvement									
1.1	Does the project fill a gap in a wider system of service delivery?	30	10	2.5	Minor contribution	Significant contribution	10		
				7.5	Major contribution				
				10	Significant contribution				
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		30	10	0	No contribution.	Major contribution to key development goal.	10	
					2.5	Indirect contribution.			
					7.5	Minor direct contribution			
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?			30	10	0	No consequences	Major immediate consequences	10
						2.5	Minor consequences		
						7.5	Major future consequences		
		10				Major immediate consequences			
2. Public 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 opposition for the project from NGO's, community groups, network, media, or business organizations?		15		5	0	Majority opposition	Majority support	5
				1		Minority opposition			
				5		Majority support			
				2.5		Minority support			

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
2.3	Is there support or opposition from residents in the immediate vicinity of the new facility?		2.5	0	Majority opposition	Majority support	2.5
				0.5	Minority opposition		
				2.5	Majority support		
				1.5	Minority support		
3. Environmental Impact							
3.1	The impact of the proposed project on the quality of local environment (e.g., Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10
				5	Neutral		
				10	Positive effects on the quality of the local environment		
4. Socio-Economic Impact							
4.1	Will the project bring in direct revenue?		7.5	0	No direct revenue	No direct revenue	0
				2.5	Direct revenue is not sufficient to meet O&M costs		
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
4.2	Are there indirect economic benefits from this project in the long term, e.g., employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?	15	7.5	0	Negative impact on the local economy	Additional investment in the area and increased wealth for citizens	5
				2.5	Little or no long-term economic development benefits		
				5	Additional investment in the area and increased wealth for citizens		
				7.5	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	Yes	Yes	5
					0	No		
5.3	Will the project get approval from higher levels of Government?		5		1	Difficult	Easy	5
					2.5	Standard		
					5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5		1	Difficult	Standard	3
					3	Standard		
					5	Easy		
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5		0	Outside expertise needed for construction, O&M	Outside expertise needed for construction phase only	1
					1	Outside expertise needed for construction phase only		
					3	Outside expertise needed for preparation phase i.e., feasibility studies		
					5	No outside expertise needed		
Total Achieved Score							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. Project Purpose & Service Delivery Improvement								
1.1	Does the project fill a gap in a wider system of service delivery?	30	10	2.5	Minor contribution	Significant contribution	10	
				7.5	Major contribution			
				10	Significant contribution			
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		10	10	0	No contribution.	Major contribution to key development goal.	10
					2.5	Indirect contribution.		
					7.5	Minor direct contribution		
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?		10	10	0	No consequences	Major immediate consequences	10
					2.5	Minor consequences		
					7.5	Major future consequences		
		10			Major immediate consequences			
2. Public 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 opposition for the project from NGO's, community groups, network, media, or business organizations?		5	5	0	Majority opposition	Majority support	5
					1	Minority opposition		
					5	Majority support		
		2.5			Minority support			

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
2.3	Is there support or opposition from residents in the immediate vicinity of the new facility?		2.5	0	Majority opposition	Majority support	2.5
				0.5	Minority opposition		
				2.5	Majority support		
				1.5	Minority support		
3. Environmental Impact							
3.1	The impact of the proposed project on the quality of local environment (e.g., Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10
				5	Neutral		
				10	Positive effects on the quality of the local environment		
4. Socio-Economic Impact							
4.1	Will the project bring in direct revenue?	15	7.5	0	No direct revenue	No direct revenue	0
				2.5	Direct revenue is not sufficient to meet O&M costs		
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
4.2	Are there indirect economic benefits from this project in the long term, e.g., employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?		7.5	0	Negative impact on the local economy	Additional investment in the area and increased wealth for citizens	5
				2.5	Little or no long-term economic development benefits		
				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	
				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 (If required)?	30	10	10	Yes	Yes	10	
				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	Yes	Yes	5	
				0	No			
5.3	Will the project get approval from higher levels of Government?		5	5	1	Difficult	Standard	2.5
					2.5	Standard		
					5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	5	1	Difficult	Standard	3
					3	Standard		
					5	Easy		
5.5	Is there a capable system in place to implement and operate this project or is external support needed?	5	5	0	Outside expertise needed for construction, O&M	Outside expertise needed for construction phase only	1	
				1	Outside expertise needed for construction phase only			
				3	Outside expertise needed for preparation phase i.e., feasibility studies			
				5	No outside expertise needed			
Total Achieved Score							81.5	

Project Screening and Phasing Criteria:**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. Project Purpose & Service Delivery Improvement									
1.1	Does the project fill a gap in a wider system of service delivery?	30	10	2.5	Minor contribution	Minor contribution	2.5		
				7.5	Major contribution				
				10	Significant contribution				
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		30	10	0	No contribution.	Indirect contribution.	2.5	
					2.5	Indirect contribution.			
					7.5	Minor direct contribution			
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?			30	10	0	No consequences	Minor consequences	2.5
						2.5	Minor consequences		
						7.5	Major future consequences		
		10				Major immediate consequences			
2. Public 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 opposition for the project from NGO's, community groups, network, media, or business organizations?		15		5	0	Majority opposition	Majority support	5
				1		Minority opposition			
				5		Majority support			
				2.5		Minority support			

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

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

Project Screening and Phasing Criteria:**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. Project Purpose & Service Delivery Improvement									
1.1	Does the project fill a gap in a wider system of service delivery?	30	10	2.5	Minor contribution	Significant contribution	10		
				7.5	Major contribution				
				10	Significant contribution				
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		30	10	0	No contribution.	No contribution.	0	
					2.5	Indirect contribution.			
					7.5	Minor direct contribution			
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?			30	10	0	No consequences	Minor consequences	2.5
						2.5	Minor consequences		
						7.5	Major future consequences		
		10				Major immediate consequences			
2. Public 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 opposition for the project from NGO's, community groups, network, media, or business organizations?		15		5	0	Majority opposition	Majority support	5
				1		Minority opposition			
				5		Majority support			
				2.5		Minority support			
2.3				15	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 residents in the immediate vicinity of the new facility?			0.5	Minority opposition		
2.5				Majority support			
1.5				Minority support			
3. Environmental Impact							
3.1	The impact of the proposed project on the quality of local environment (e.g., Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10
				5	Neutral		
				10	Positive effects on the quality of the local environment		
4. Socio-Economic Impact							
4.1	Will the project bring in direct revenue?		7.5	0	No direct revenue	Revenue meets O&M costs	5
				2.5	Direct revenue is not sufficient to meet O&M costs		
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
4.2	Are there indirect economic benefits from this project in the long term, e.g., employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?	15	7.5	0	Negative impact on the local economy	Additional investment in the area and increased wealth for citizens	5
				2.5	Little or no long-term economic development benefits		
				5	Additional investment in the area and increased wealth for citizens		
				7.5	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	Yes	No	0
					0	No		
5.3	Will the project get approval from higher levels of Government?		5		1	Difficult	Difficult	1
					2.5	Standard		
					5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5		1	Difficult	Standard	3
					3	Standard		
					5	Easy		
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5		0	Outside expertise needed for construction, O&M	Outside expertise needed for construction, O&M	0
					1	Outside expertise needed for construction phase only		
					3	Outside expertise needed for preparation phase i.e., feasibility studies		
					5	No outside expertise needed		
Total Achieved Score							61.5	

Project Screening and Phasing Criteria:**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. Project Purpose & Service Delivery Improvement									
1.1	Does the project fill a gap in a wider system of service delivery?	30	10	2.5	Minor contribution	Significant contribution	10		
				7.5	Major contribution				
				10	Significant contribution				
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		30	10	0	No contribution.	Major contribution to key development goal.	10	
					2.5	Indirect contribution.			
					7.5	Minor direct contribution			
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?			30	10	0	No consequences	Major immediate consequences	10
						2.5	Minor consequences		
						7.5	Major future consequences		
		10				Major immediate consequences			
2. Public 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 opposition for the project from NGO's, community groups, network, media, or business organizations?		15		5	0	Majority opposition	Majority support	5
				1		Minority opposition			
				5		Majority support			
				2.5		Minority support			
2.3				15	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 residents in the immediate vicinity of the new facility?			0.5	Minority opposition		
				2.5	Majority support		
				1.5	Minority support		
3. Environmental Impact							
3.1	The impact of the proposed project on the quality of local environment (e.g., Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10
				5	Neutral		
				10	Positive effects on the quality of the local environment		
4. Socio-Economic Impact							
4.1	Will the project bring in direct revenue?		7.5	0	No direct revenue	Revenue meets O&M costs	5
				2.5	Direct revenue is not sufficient to meet O&M costs		
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
4.2	Are there indirect economic benefits from this project in the long term, e.g., employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?	15	7.5	0	Negative impact on the local economy	Additional investment in the area and increased wealth for citizens	5
				2.5	Little or no long-term economic development benefits		
				5	Additional investment in the area and increased wealth for citizens		
				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 (If required)?	30	10	10	Yes	Yes	10
				0	No		

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

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

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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
				5	Easy			
5.4	Ease of implementation of project in respect of technical design?		5	5	1	Difficult	Easy	5
					3	Standard		
					5	Easy		
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5	5	0	Outside expertise needed for construction, O&M	Outside expertise needed for construction phase only	1
					1	Outside expertise needed for construction phase only		
					3	Outside expertise needed for preparation phase i.e. feasibility studies		
		5			No outside expertise needed			
Total Achieved Score							79.5	

Project ID: 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									
1.1	Does the project fill a gap in a wider system of service delivery?	30	10	2.5	Minor contribution	Significant contribution	10		
				7.5	Major contribution				
				10	Significant contribution				
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		30	10	0	No contribution.	Major contribution to key development goal.	10	
					2.5	Indirect contribution.			
					7.5	Minor direct contribution			
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?			30	10	0	No consequences	Major future consequences	7.5
						2.5	Minor consequences		
						7.5	Major future consequences		
		10				Major immediate consequences			
2. Public 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 opposition for the project from NGO's, community groups, network, media or business organizations?		15		5	0	Majority opposition	Majority support	5
				1		Minority opposition			
				5		Majority support			
				2.5		Minority support			
2.3	Is there support or opposition from residents in the immediate vicinity of			15	2.5	0	Majority opposition	Majority support	2.5
						0.5	Minority opposition		

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

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

Project ID:

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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
	the new facility?			2.5	Majority support				
				1.5	Minority support				
3. Environmental Impact									
3.1	The impact of the proposed project on the quality of local environment (e.g. Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10		
				5	Neutral				
				10	Positive effects on the quality of the local environment				
4. Socio-Economic Impact									
4.1	Will the project bring in direct revenue?	15	7.5	0	No direct revenue	Revenue exceeds O&M costs	7.5		
								2.5	Direct revenue is not sufficient to meet O&M costs
								5	Revenue meets O&M costs
								7.5	Revenue exceeds O&M costs
4.2	Are there indirect economic benefits from this project in the long term, e.g. employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?	15	7.5	0	Negative impact on the local economy	Significant competitive advantage to industry and boost to the local economy	7.5		
								2.5	Little or no long term economic development benefits
								5	Additional investment in the area and increased wealth for citizens
								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 (If required)?	30	10	10	Yes	Yes	10		
								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	Yes	Yes	5	
				0	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 higher levels of Government?			2.5	Standard		
				5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	1	Difficult	Easy	5
				3	Standard		
				5	Easy		
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5	0	Outside expertise needed for construction, O&M	Outside expertise needed for construction phase only	1
				1	Outside expertise needed for construction phase only		
				3	Outside expertise needed for preparation phase i.e. feasibility studies		
				5	No outside expertise needed		
Total Achieved Score							79.5

Project ID:

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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
	the new facility?			2.5	Majority support				
				1.5	Minority support				
3. Environmental Impact									
3.1	The impact of the proposed project on the quality of local environment (e.g. Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10		
				5	Neutral				
				10	Positive effects on the quality of the local environment				
4. Socio-Economic Impact									
4.1	Will the project bring in direct revenue?	15	7.5	0	No direct revenue	Revenue exceeds O&M costs	7.5		
								2.5	Direct revenue is not sufficient to meet O&M costs
								5	Revenue meets O&M costs
								7.5	Revenue exceeds O&M costs
4.2	Are there indirect economic benefits from this project in the long term, e.g. employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?	15	7.5	0	Negative impact on the local economy	Significant competitive advantage to industry and boost to the local economy	7.5		
								2.5	Little or no long term economic development benefits
								5	Additional investment in the area and increased wealth for citizens
								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 (If required)?	30	10	10	Yes	Yes	10		
								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	Yes	Yes	5	
				0	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 higher levels of Government?			2.5	Standard		
				5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	1	Difficult	Easy	5
				3	Standard		
				5	Easy		
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5	0	Outside expertise needed for construction, O&M	Outside expertise needed for construction phase only	1
				1	Outside expertise needed for construction phase only		
				3	Outside expertise needed for preparation phase i.e. feasibility studies		
				5	No outside expertise needed		
Total Achieved Score							79.5

Project ID:

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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
	the new facility?			2.5	Majority support				
				1.5	Minority support				
3. Environmental Impact									
3.1	The impact of the proposed project on the quality of local environment (e.g. Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10		
				5	Neutral				
				10	Positive effects on the quality of the local environment				
4. Socio-Economic Impact									
4.1	Will the project bring in direct revenue?	15	7.5	0	No direct revenue	Revenue exceeds O&M costs	7.5		
								2.5	Direct revenue is not sufficient to meet O&M costs
								5	Revenue meets O&M costs
								7.5	Revenue exceeds O&M costs
4.2	Are there indirect economic benefits from this project in the long term, e.g. employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?	15	7.5	0	Negative impact on the local economy	Significant competitive advantage to industry and boost to the local economy	7.5		
								2.5	Little or no long term economic development benefits
								5	Additional investment in the area and increased wealth for citizens
								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 (If required)?	30	10	10	Yes	Yes	10		
								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	Yes	Yes	5	
				0	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 higher levels of Government?			2.5	Standard		
				5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	1	Difficult	Easy	5
				3	Standard		
				5	Easy		
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5	0	Outside expertise needed for construction, O&M	Outside expertise needed for construction phase only	1
				1	Outside expertise needed for construction phase only		
				3	Outside expertise needed for preparation phase i.e. feasibility studies		
				5	No outside expertise needed		
Total Achieved Score							79.5

Project ID:

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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
	the new facility?			2.5	Majority support				
				1.5	Minority support				
3. Environmental Impact									
3.1	The impact of the proposed project on the quality of local environment (e.g. Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10		
				5	Neutral				
				10	Positive effects on the quality of the local environment				
4. Socio-Economic Impact									
4.1	Will the project bring in direct revenue?	15	7.5	0	No direct revenue	Revenue exceeds O&M costs	7.5		
								2.5	Direct revenue is not sufficient to meet O&M costs
								5	Revenue meets O&M costs
								7.5	Revenue exceeds O&M costs
4.2	Are there indirect economic benefits from this project in the long term, e.g. employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?	15	7.5	0	Negative impact on the local economy	Significant competitive advantage to industry and boost to the local economy	7.5		
								2.5	Little or no long term economic development benefits
								5	Additional investment in the area and increased wealth for citizens
								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 (If required)?	30	10	10	Yes	Yes	10		
								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	Yes	Yes	5	
				0	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 higher levels of Government?			2.5	Standard		
				5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	1	Difficult	Easy	5
				3	Standard		
				5	Easy		
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5	0	Outside expertise needed for construction, O&M	Outside expertise needed for construction phase only	1
				1	Outside expertise needed for construction phase only		
				3	Outside expertise needed for preparation phase i.e. feasibility studies		
				5	No outside expertise needed		
Total Achieved Score							79.5

Project ID:

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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
	the new facility?			2.5	Majority support				
				1.5	Minority support				
3. Environmental Impact									
3.1	The impact of the proposed project on the quality of local environment (e.g. Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10		
				5	Neutral				
				10	Positive effects on the quality of the local environment				
4. Socio-Economic Impact									
4.1	Will the project bring in direct revenue?	15	7.5	0	No direct revenue	Revenue exceeds O&M costs	7.5		
								2.5	Direct revenue is not sufficient to meet O&M costs
								5	Revenue meets O&M costs
								7.5	Revenue exceeds O&M costs
4.2	Are there indirect economic benefits from this project in the long term, e.g. employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?	15	7.5	0	Negative impact on the local economy	Significant competitive advantage to industry and boost to the local economy	7.5		
								2.5	Little or no long term economic development benefits
								5	Additional investment in the area and increased wealth for citizens
								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 (If required)?	30	10	10	Yes	Yes	10		
								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	Yes	Yes	5	
				0	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 higher levels of Government?			2.5	Standard		
				5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	1	Difficult	Easy	5
				3	Standard		
				5	Easy		
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5	0	Outside expertise needed for construction, O&M	Outside expertise needed for construction phase only	1
				1	Outside expertise needed for construction phase only		
				3	Outside expertise needed for preparation phase i.e. feasibility studies		
				5	No outside expertise needed		
Total Achieved Score							79.5

Project ID:

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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
	the new facility?			2.5	Majority support				
				1.5	Minority support				
3. Environmental Impact									
3.1	The impact of the proposed project on the quality of local environment (e.g. Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10		
				5	Neutral				
				10	Positive effects on the quality of the local environment				
4. Socio-Economic Impact									
4.1	Will the project bring in direct revenue?	15	7.5	0	No direct revenue	Revenue exceeds O&M costs	7.5		
								2.5	Direct revenue is not sufficient to meet O&M costs
								5	Revenue meets O&M costs
								7.5	Revenue exceeds O&M costs
4.2	Are there indirect economic benefits from this project in the long term, e.g. employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?	15	7.5	0	Negative impact on the local economy	Significant competitive advantage to industry and boost to the local economy	7.5		
								2.5	Little or no long term economic development benefits
								5	Additional investment in the area and increased wealth for citizens
								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 (If required)?	30	10	10	Yes	Yes	10		
								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	Yes	Yes	5	
				0	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 higher levels of Government?			2.5	Standard		
				5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	1	Difficult	Easy	5
				3	Standard		
				5	Easy		
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5	0	Outside expertise needed for construction, O&M	Outside expertise needed for construction phase only	1
				1	Outside expertise needed for construction phase only		
				3	Outside expertise needed for preparation phase i.e. feasibility studies		
				5	No outside expertise needed		
Total Achieved Score							79.5

Project ID:

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. Project Purpose & Service Delivery Improvement								
1.1	Does the project fill a gap in a wider system of service delivery?	30	10	2.5	Minor contribution	Major contribution	7.5	
				7.5	Major contribution			
				10	Significant contribution			
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		10	0	No contribution.	Major contribution to key development goal.	10	
				2.5	Indirect contribution.			
				7.5	Minor direct contribution			
			10	10	Major contribution to key development goal.			
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?		10	10	0	No consequences	Minor consequences	2.5
					2.5	Minor consequences		
		7.5			Major future consequences			
		10			Major immediate consequences			
2. Public Response								
2.1	Population served by the project.	15	7.5	1	Less than 10%	Less than 10%	1	
				5	Between 10% to 20%			
				7.5	Greater than 20%			
2.2	Is there support or opposition for the project from NGO's, community groups, network, media or business organizations?		5	0	Majority opposition	Majority support	5	
				1	Minority opposition			
				5	Majority support			
			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 residents in the immediate vicinity of the new facility?			0.5	Minority opposition		
				2.5	Majority support		
				1.5	Minority support		
3. Environmental Impact							
3.1	The impact of the proposed project on the quality of local environment (e.g. Air quality, Water pollution, Waste reduction, etc.	10	10	0	Negative effects on quality of the local environment	Positive effects on the quality of the local environment	10
				5	Neutral		
				10	Positive effects on the quality of the local environment		
4. Socio-Economic Impact							
4.1	Will the project bring in direct revenue?	15	7.5	0	No direct revenue	Revenue exceeds O&M costs	7.5
				2.5	Direct revenue is not sufficient to meet O&M costs		
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
4.2	Are there indirect economic benefits from this project in the long term, e.g. employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?	15	7.5	0	Negative impact on the local economy	Significant competitive advantage to industry and boost to the local economy	7.5
				2.5	Little or no long term economic development benefits		
				5	Additional investment in the area and increased wealth for citizens		
				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 (If required)?	30	10	10	Yes	Yes	10
				0	No		
5.2	Has funding been secured/allocated within the Local Government budget or whether the external sources of funding have been secured?	30	5	5	Yes	Yes	5
				0	No		

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

Annexure D. Environmental and Social Considerations in IDAMP³

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.

³ 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 18th 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 PEQs for drinking water shall be applicable to all water supply schemes/ projects/ subprojects (rehabilitation and new). PEQs 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. PEQs for noise shall also be applicable during rehabilitation or new construction of infrastructure development projects to analyze the emissions that may emerge from construction work machinery/equipment. PEQs 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)	<p>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.</p> <p>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.</p>	<p>Section 11,12,13 and 14 of PEPA, 2012 shall be applicable to all the new infrastructure projects.</p>
2.	Punjab Environment Protection Review of IEE/EIA Regulations 2022	<p>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</p>	<ul style="list-style-type: none"> • These regulations have two schedules I & 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.

Sr. #	Act	Description	Applicability to sub-project																	
			<p>The sector wise screening of MCs subprojects as per Punjab Environment protection review of IEE/EIA regulations 2000 are given below in Table.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #FFD700;">Schedule</th> <th style="background-color: #FFD700;">Sector</th> <th style="background-color: #FFD700;">Clause</th> </tr> </thead> <tbody> <tr> <td rowspan="4" style="text-align: center; vertical-align: middle;">Schedule I</td> <td style="text-align: center;">Stormwater Drainage</td> <td> F. Water management, dams, irrigation and flood protection 1. Small Dams and reservoirs 2. Irrigation and drainage projects </td> </tr> <tr> <td style="text-align: center;">Water supply</td> <td> G. Water Supply and Treatment Water supply schemes and treatment plants with total cost less than Rs. 50 million </td> </tr> <tr> <td style="text-align: center;">Parks</td> <td> I. Urban development and tourism 5. Urban development projects </td> </tr> <tr> <td style="text-align: center;">Waste</td> <td> H. Waste disposal Non-hazardous scrap yard / warehouse </td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">Schedule II</td> <td style="text-align: center;">Water supply, Sewerage System and treatment</td> <td> F. Water supply, Sewerage System and treatment Water supply schemes and treatment plants </td> </tr> </tbody> </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 System and treatment	F. Water supply, Sewerage System and treatment Water supply schemes and treatment plants
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 System and treatment	F. Water supply, Sewerage 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 million 2. Wastewater channels / Sewerage System Schemes 3. Combined Wastewater Treatment Plants with treatment capacity greater than 100m ³ /hr
				Waste Storage and Disposal	G. 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 Rule 2017	According to these rules the powers of environmental approval are delegated to commissioner for specific types of projects	<ul style="list-style-type: none"> • Under PCP the clause of h, n and o are applicable. • clause h Construction of roads fallings within the jurisdiction of a district, expecting highways, expressways and motorways • Clause o solid waste management excepting landfills 		

Sr. #	Act	Description	Applicability to sub-project
			<ul style="list-style-type: none"> 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	<p>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:</p> <ul style="list-style-type: none"> • “Ancient” is any object that is at least 75 years old; • All accidental discoveries of artifacts must be reported to the Federal Department of Archaeology; • The Government is the owner of all buried antiquities discovered on any site, whether protected or otherwise; • All new construction within a distance of 200 feet from protected antiquities is forbidden; 	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
		<ul style="list-style-type: none"> No changes or repairs can be made to a protected monument, even if it is owned privately, without approval of the responsible authorities; and <p>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.</p>	
8.	Punjab Restriction of Employment of Children Act, 2016	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.	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	<p>The Punjab Occupational Safety and Health Act, 2019 (IV of 2019) An Act to provide for occupational safety and health at workplace.</p> <p>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</p>	<p>The Punjab Occupational Safety and Health Act, 2019 relevant sections to the proposed projects are:</p> <p>8. Safety and Health, 10. Consultation 13. Notification and investigation of accidents, dangerous occurrences and occupational illness.</p>

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 thereto.	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 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
		<p>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.</p>	
13	Punjab Local Government Act, 2019	<p>As per PLGA 2019 Functions of a Metropolitan Corporation, Municipal Corporation and Municipal Committee: Part I (g) Solid waste collection and disposal; (h) Sewerage collection and disposal including water management and treatment; (i) Building control and land use;</p>	<p>All the related clauses of this Act shall be applicable for MCs.</p>

Sr. #	Act	Description	Applicability to sub-project
		(j) Births, deaths, marriages and divorce registration; (k) Museums and art galleries; (l) 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.	
14	Guidelines for Preparation and Review of Environment Reports, 1997	Guidelines for preparation and Review of Environmental Reports were issued by Pak EPA in 1997 under Pakistan Environment Protection Act, 1997 and are adopted by Punjab Environment protection Agency after 18 th Amendment. These guidelines describe the steps in IEE Preparation, format of IEE Reports, assessing impacts, mitigation and impact management, reporting, reviewing and decision making, monitoring and auditing and project management.	These guidelines shall be applicable during preparation and review of IEEs/EIAs of new infrastructure development projects.
15	Guidelines for Public Consultation,1997	These guidelines address possible approaches to public consultation and techniques for designing an effective program of consultation that reaches all major	Public consultation and citizens engagement is mandatory at projects planning and design phase and these guidelines shall be applicable for public consultation.

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

Sr. #	Act	Description	Applicability to sub-project
		<p>related to canal navigation. It briefly addresses issues relating to environmental pollution.</p> <p>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.”</p> <p>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.”</p>	
18	Punjab Wildlife Protection, Conservation and Management Act, 1974	The Act requires the protection of wildlife species declared as endangered/threatened and rare. It gives protection to these species by declaring their natural living environment as protected and reserved, which includes areas such as national parks, wildlife sanctuaries, and game reserves.	This act shall be applicable in case any harm to wildlife is assessed at the stage of early screening or if there is any potential risk identified to the wildlife during or after execution of the subprojects/projects related to infrastructure development and municipal service delivery.
19	Guidelines and Checklists adopted by GOP after 18th Amendment	Punjab EPA has also designed the following Guidelines/Checklists for IEE/EIA Projects: Check List for IEE (updated September 2020) Check List for EIA (updated September 2020)	Checklists for IEE and EIA shall be applicable to all the new infrastructure development projects. Following Guidelines shall be applicable for MC’s municipal service delivery projects:

Sr. #	Act	Description	Applicability to sub-project
		<p>After 18th Amendment, Punjab EPA has adopted the following sectoral Guidelines that were prepared by other provinces and were earlier adopted by Pak EPA:</p> <ul style="list-style-type: none"> ✓ Poultry Farms ✓ 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 	<ul style="list-style-type: none"> ✓ Urban Roads ✓ Water Supply ✓ Sanitation Schemes ✓ Major Sewerage Schemes

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
1.	Waste Management					
	Solid Waste	Collection Equipment, Collection Bins	Negligible environmental impacts	E3	S3	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
		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.	Storm Water Drainage					
	Urban drainage systems Open Drainage System Covered Drains		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	S2	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					
	Rehabilitation and maintenance of urban roads ⁴		May have some negative but localized environmental and social impacts	E2	S2S	ESMP
	Pedestrian walkways, Bicycle paths		May have negligible environmental impacts	E2	S2	ESMP
	Streets and security 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 of Bus Stands/Terminals ⁵		May have negligible environmental impacts	E2	E2	ESMP
5.	Social and Livability Infrastructure					
	Urban greenery and public spaces		May have negligible environmental impacts	E2	S2	ESMP
	Construction of Community Parks ⁶		May have some negative but localized environmental and social impacts	E2/E1	S2/S1	ESMP/IEE/EIA
	Rehabilitation /Maintenance of Community Parks		May have negligible environmental impacts	E2	S2	ESMP

4 After 18th 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

5 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)	Rs.	2,113	
2	Financial Internal Rate of Return (FIRR)	%	31%	
3	Benefit Cost Ratio (BCR)	Ratio	9.78	
4	Payback Period	Years	6.50	

Year No.	Year	Costs			Benefits				Net (Cost)/ Benefits	PV @ % 22.32	
		Capital Cost	O&M Cost	Total Cost	Cost saving to society	Direct Revenue	Cost Savings/ Reduction	Total Benefits		Discount Factor	PV
		A	B	C=A+B	D	E	F	G=D+E+F		H=G-C	I=(1.22.32) ⁿ
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
Total		2,558	12,769	15,326	142,931	6,909	-	149,840	134,514		2,113

Assumptions for Financial Appraisal

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.
- 6 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/ Transmission Mains	25
Sewerage/ RCC Pipelines	25
Vehicles	10
Machinery & Equipment	15

Macro-economic Indicators

- 9 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)	Rs.	344	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%
2	Financial Internal Rate of Return (FIRR)	%	38%	FIRR
3	Benefit Cost Ratio (BCR)	Ratio	10.77	BCR= Total Benefits ÷ Total Costs
4	Payback Period	Years	6.50	PBP= Capital costs ÷ Annual Net Benefits

Year No.	Year	Costs			Benefits				Net (Cost)/ Benefits	PV @ % 22.32	
		Capital Cost	O&M Cost	Total Cost	Cost saving to society	Direct Revenue	Cost Savings/ Reduction	Total Benefits		Discount Factor	PV
		A	B	C=A+B	D	E	F	G=D+E+F		H=G-C	I=(1.22.32) ⁿ
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
Total		200	1,480	1,680	11,176	6,909	-	18,085	16,405		344

Assumptions for Financial Appraisal

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.

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OHR	50
Water Pipelines	25
Rising Mains/ Transmission Mains	25
Sewerage/ RCC Pipelines	25
Vehicles	10
Machinery & Equipment	15

Macro-economic Indicators

- 9 The discount rate used for computation of present value of cash flows is taken @ 22.32 % per annum, 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)	Rs.	246	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%
2	Financial Internal Rate of Return (FIRR)	%	49%	FIRR
3	Benefit Cost Ratio (BCR)	Ratio	64.55	BCR= Total Benefits ÷ Total Costs
4	Payback Period	Years	6.50	PBP= Capital costs ÷ Annual Net Benefits

Year No.	Year	Costs			Benefits				Net (Cost)/ Benefits	PV @ % 22.32	
		Capital Cost	O&M Cost	Total Cost	Cost saving to society	Direct Revenue	Cost Savings/ Reduction	Total Benefits		Discount Factor	PV
		A	B	C=A+B	D	E	F	G=D+E+F		H=G-C	I=(1.22.32) ⁿ
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
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
Total		50	100	150	2,794	6,909	-	9,703	9,552		246

Assumptions for Financial Appraisal

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.
- 6 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/ Transmission Mains	25
Sewerage/ RCC Pipelines	25
Vehicles	10
Machinery & Equipment	15

Macro-economic Indicators

- 9 The discount rate used for computation of present value of cash flows is taken @ 22.32 % per annum, 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	Benefit Cost Ratio (BCR)	BCR= Total Benefits ÷ Total Costs	Ratio	64.55
4	Payback Period	PBP= Capital costs ÷ Annual Net Benefits	Years	6.50

Year No.	Year	Costs			Benefits				Net (Cost)/ Benefits	PV @ % 22.32	
		Capital Cost	O&M Cost	Total Cost	Cost saving to society	Direct Revenue	Cost Savings/ Reduction	Total Benefits		Discount Factor	PV
		A	B	C=A+B	D	E	F	G=D+E+F		H=G-C	I=(1.22.32) ⁻ⁿ
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
Total		50	100	150	2,794	6,909	-	9,703	9,552		246

Assumptions for Financial Appraisal

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.
- 6 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/ Transmission Mains	25
Sewerage/ RCC Pipelines	25
Vehicles	10
Machinery & Equipment	15

Macro-economic Indicators

- 9 The discount rate used for computation of present value of cash flows is taken @ 22.32 % per annum, 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

Year No.	Year	Costs			Benefits				Net (Cost)/ Benefits	PV @ % 22.32	
		Capital Cost	O&M Cost	Total Cost	Cost saving to society	Direct Revenue	Cost Savings/ Reduction	Total Benefits		Discount Factor	PV
		A	B	C=A+B	D	E	F	G=D+E+F		H=G-C	I=(1.22.32) ⁿ
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
Total		7	156	163	363	6,909	-	7,272	7,109		212

Assumptions for Financial Appraisal

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.
- 6 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/ Transmission Mains	25
Sewerage/ RCC Pipelines	25
Vehicles	10
Machinery & Equipment	15

Macro-economic Indicators

- 9 The discount rate used for computation of present value of cash flows is taken @ 22.32 % per annum, 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



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[2022-2023](#)



Consultative
Session_Jhang.pdf

[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
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JHANG**
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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	JHHYCK0F404600178	MO4CWGM50203	Not Applied Yet	GARBAGE COMPACTOR
16	HINO	DUTRO XZU 720	JHHYCK0F604600179	MO4CWGM50204	Not Applied Yet	GARBAGE COMPACTOR
17	HINO	DUTRO XZU 720	JHHYCK0F204600180	MO4CWGM50205	Not Applied Yet	GARBAGE COMPACTOR
18	HINO	DUTRO XZU 720	JHHYCK0F404600181	MO4CWGM50206	Not Applied Yet	GARBAGE COMPACTOR
19	HINO	DUTRO XZU 720	JHHYCK0F604600182	MO4CWGM50207	Not Applied Yet	ARM ROLL TRUCK 5 cm3
20	HINO	DUTRO XZU 720	JHHYCK0F804600183	MO4CWGM50208	Not Applied Yet	ARM ROLL TRUCK 5 cm3
21	HINO	DUTRO XZU 720	JHHYCK0F04600184	MO4CWGM50209	Not Applied Yet	ARM ROLL TRUCK 5 cm3

22	HINO	DUTRO XZU 720	JHHYCK0F 104600185	MO4CWGM 50210	Not Applied Yet	ARM ROLL TRUCK 5 cm ³
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 cm ³
26	HINO	FG8JKLB	FG8JKLB-10337	J08EVUM10655	Not Applied Yet	ARM ROLL TRUCK 10 cm ³
27	HINO	FG8JKLB	FG8JKLB-10338	J08EVUM10656	Not Applied Yet	ARM ROLL TRUCK 10 cm ³
28	HINO	FG8JKLB	FG8JKLB-10339	J08EVUM10657	Not Applied Yet	ARM ROLL TRUCK 10 cm ³
29	HINO	FG8JKLB	FG8JKLB-10346	J08EVUM10670	Not Applied Yet	DUMP TRUCK 10 cm ³
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 TRACTOR	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

34	MILLAT TRACTOR	MF 385-4WD	85644-02	507851-J	Not Applied Yet	FRONT END 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 EXCAVATOR


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