



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 Kamoke
May 2023**



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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) Kamoke. Thus, this document is confined to the planning and management of assets of MC Kamoke.

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
<i>A</i>	Excellent	Routine Maintenance
<i>B</i>	Good	Minor Repair
<i>C</i>	Fair	Major Repair
<i>D</i>	Poor	Rehabilitation
<i>E</i>	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%

Sr.	Sectors/ Projects	Annual O&M Cost (%age of Capital Cost)
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 Kamoke. 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 Kamoke. 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 Kamoke 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.
- Rough 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 value of MC assets have been provided by the PMDFC staff.

02 Overview - Municipal Committee Kamoke

Section 2. Overview - Municipal Committee Kamoke

2.1. Introduction

The city of Kamoke is an important Town of District Gujranwala located in Punjab, Pakistan. Kamoke is situated at 21-km away from Gujranwala and 44-km from away from Lahore. Kamoke is very well connected to its higher order settlements as it is located on Main Railway Line and Grand Trunk Road. It is also well connected to the surrounding Towns and Villages.¹

Municipal Committee Kamoke facilitates its citizen towards sustainable economic growth, infrastructure development, social development and municipal services excellence. MC Kamoke 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 Kamoke plans to establish orderly development, well maintained infrastructure and efficient delivery of social services to its people.

2.2. Functions of Municipal Committee Kamoke

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://mckamoke.lgpunjab.org.pk/about-us/history/>

- 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 Kamoke 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 Kamoke 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 well	No.	6
		OHR	No.	5
		Water Supply Network	Meter	23764
		Filtration Plant	No.	4
		Movable Assets (Vehicles/Machinery)	No.	-
2.	Sewerage System	Sewerage Network	Meter	179763
		Disposal Station	No.	1
		Movable Assets (Vehicles/Machinery)	No.	19
3.	Solid Waste Management System	Dumping site	No.	1
		Movable Assets (Vehicles/Machinery)	No.	764
4.	Public Places	Park	No.	3
		Library	No.	1
		Shop	No.	59

Sr No.	Asset Category	Asset Sub-Category	Unit	Total
5.	Buildings	Office building	No.	1
6.	Street Lights	Street Lights	No.	368
7.	Roads	Roads	Km	18.9
8.	Office vehicle	Office vehicle	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 well		1	2		3	No.	6
	OHR			1	3	1	No.	5
	Water Supply Network					23764	Meter	23764
	Filtration Plant			3		1	No.	4
	Movable Assets (Vehicles/Machinery)						No.	-
Sewerage System	Sewerage Network		179763				Meter	179763

Asset Category	Asset Sub-Category	Asset Condition					Unit	Total
		Excellent (A)	Good (B)	Fair (C)	Poor (D)	Failing (E)		
	Disposal Station		1				No.	1
	Movable Assets (Vehicles/Machinery)		10	9			No.	19
Solid Waste Management System	Dumping site			1			No.	1
	Movable Assets (Vehicles/Machinery)		1	17	4	742	No.	764
Public Places	Park		1	2			No.	3
	Library			1			No.	1
	Shop		59				No.	59
Buildings	Office building		1				No.	1
Street Lights	Street Lights	66				302	No.	368
Roads	Roads				18.9		Km	18.9
Office vehicle	Office vehicle			3			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 Kamoke 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.	20%	30%	Improvement and extension of Water Supply System in Kamoke	2023-2024
	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.	5.3	10		
	Non-revenue water %	Difference between total water produced (ex -treatment plant) and total water sold expressed as a percentage of total water produced.	49%	49%		
	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.	0.02	0.017	Solarization of Tube wells and Water Supply System	2023-2024

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS	Projects Name	Timeframe (FY)
	Water supply staff per 1000 water connections (number)	Total number of water supply staff expressed as per thousand water connections.	4	4		
	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.	55%	55%		
	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.	45%	38%	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	Improved water quality	Improvement and extension of Water Supply System in Kamoke	2023-2024
	Continuity of Service Hrs. / Day	Average hours of service per day for water supply. (Average operational hours of tube well per day)	12	12		
	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	Reduction in number of complaints	Improvement and extension of Water Supply System in Kamoke	2023-2024
	Operational cost coverage (Ratio)	Total annual operational revenues/Total annual operating cost.	8%	9.2%	Solarization of Tube wells and Water Supply System	2023-2024
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)	65%	65%		
	Risk of crown failure	Whether there is an indication of crown failure?	No	No		

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS	Projects Name	Timeframe (FY)
	Sewerage blockages (Blockages/KM)	Total number of blockages/ complaints per year expressed per km of sewers	7	3.5	Rehabilitation of Sewer Line	2024-2025
	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.	NIL	NIL		
	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.	NIL	NIL		
	Sewerage Complaints (%)	Total number of sewerage complaints per year expressed as a percentage of the total number of sewerage connections.	.19%	0.1%	Rehabilitation of Sewer Line	2025-2026
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.	48%	58%		
	Disposal efficiency (%)	Total amount of solid waste disposed of expressed as a percentage of total solid waste collected.	100%	100%		
	Door-to-door %	Situation analysis report for integrated solid waste management not found for Kamoke	0%	0%		

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS	Projects Name	Timeframe (FY)
	Primary SWM Coverage each day in localities	Situation analysis report for integrated solid waste management not found for Kamoke	78%	78%		
	Primary SWM Coverage each day in Roads %	Situation analysis report for integrated solid waste management not found for Kamoke	35%	35%		
	Open Collection Points (Number)	Open Collection Points	29	29		
	Secondary collection machinery (Number)	Secondary collection machinery	13	13		
	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		
Roads and streets;	Roads with condition "A" (Excellent) %	Total number of roads with condition "A" expressed as a percentage of total roads.	0%	7%	Improvement and Rehabilitation of Roads in MC Kamoke. Improvement of Roads (Tuff Pavers).	2023-2024
	Roads with condition "B" (Good) %	Total number of roads with condition "B" expressed as a percentage of total roads.	0%	50%		
	Roads with condition "C" (Fair) %	Total number of roads with condition "C" expressed as a percentage of total roads.	0%	0%		
	Roads with condition "D" (Poor) %	Total number of roads with condition "D" expressed as a percentage of total roads.	100%	43%		
	Roads with condition "E" (Failing) %	Total number of roads with condition "F" expressed as a percentage of total roads.	0%	0%		

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS	Projects Name	Timeframe (FY)
	Beautification of chowks %	Number of chowks having monuments expressed as a percentage of total chowks	100%	100%		
Streetlighting;	Streetlight coverage. (%)	Percentage of area/roads with streetlights.	2.5%	2.5%		
	Working Streetlight %	Percentage of working streetlights as of total streetlights.	18%%	18%		
Parks, Playgrounds, Open spaces;	Open spaces as percentage of total MC area. %	Open spaces as percentage of total MC area. %	0%	0%		
	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%	0%		
	Parks with condition "B" (Good) %	Parks with condition "B" expressed as a percentage of total parks.	33%	74%		
	Parks with condition "C" (Fair) %	Parks with condition "C" expressed as a percentage of total parks.	67%	26%		
	Parks with condition "D" (Poor) %	Parks with condition "D" expressed as a percentage of total parks.	0%	0%		
	Parks with condition "E" (Failing) %	Parks with condition "E" expressed as a percentage of total parks.	0%	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. %	0%	0%		
	Graveyards with condition "A" (Excellent) %	Total area of graveyards with condition "A" expressed as a percentage of total area of graveyards.	0.0%	0.0%		

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS	Projects Name	Timeframe (FY)
	Graveyards with condition "B" (Good) %	Total area of graveyards with condition "B" expressed as a percentage of total area of graveyards.	0%	0%		
	Graveyards with condition "C" (Fair) %	Total area of graveyards with condition "C" expressed as a percentage of total area of graveyards.	0%	0%		
	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	NIL	NIL		
	Adequacy of facilities at bus stands	Adequacy of facilities at bus stands	N/A	N/A		
Slaughterhouses;	Adequacy of slaughterhouses	Adequacy of slaughterhouses keeping in view the population of the MC	No	Yes	Construction of New slaughterhouse	2023-2025
	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	0.32	0.32		
	Adequacy of facilities in library	Adequacy of facilities in library in terms of books, computers, furniture, air-conditioning, lighting, drinking water etc.	No	No		

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS	Projects Name	Timeframe (FY)
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.	100%			
	Buildings with condition "C" (Fair) %	Total number of buildings with condition "C" expressed as a percentage of total number of buildings.	-			
	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 D.
- 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 for a specified period of three years, despite the recognized need for enhancements. This circumstance arises due to various factors, including but not limited to funding constraints, the hesitance 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
					Capital	O&M	Capital	O&M	Capital	O&M	
					(Millions)						Total Score
1	01-04-01-02-01	Improvement and extension of Water Supply System in Kamoke	Water Supply	367.76	367.76	17.39		17.39		17.39	84
2	01-04-01-06-01	Construction of Underground Water Storage Tank	Water Supply	500.00	250.00		250.00	12.50		12.50	84
3	01-04-02-01-01	Rehabilitation of Sewer Line	Sewerage	900.00			-		900.00	3.38	71
4	01-04-04-01-01	Improvement and Rehabilitation of Roads in MC Kamoke	Roads	381.46	381.46	19.07		19.07		19.07	82
5	01-04-05-06-01	Construction of New slaughter house	Slaughterhouse	135.13	48.00	2.18	87.13	2.18		2.18	86
6	01-04-06-01-01	Solarization of the municipal buildings	Buildings	200.00	200.00	1.00		1.00		1.00	80
7	01-04-05-01-01	Rehabilitation / Improvement of Parks in Kamoke City	Parks	80.00	80.00	2.00		2.00		2.00	82

Sr. No.	Project ID	Project Name	Asset Category	Total Capital Cost	2023-24		2024-25		2025-26		Project Screening
					Capital	O&M	Capital	O&M	Capital	O&M	Total Score
				(Millions)							
8	01-04-04-03-01	Repair & Replacement of LEDs	Street Lights	15.10	15.10	0.38		0.38		0.38	82
9	01-04-01-01-01	Solarization of Tube wells and Water Supply System	Water supply	150.00	150.00	0.75		0.75		0.75	87
10	01-04-04-01-02	Improvement of Roads (Tuff Pavers)	Roads	150.00	150.00	7.50		7.50		7.50	80
11	01-04-04-01-03	Improvement & Construction of Roads in Kamoke City	Roads	551.64	551.64	27.58		27.58		27.58	80
12	01-04-02-01-02	Storm Water Facilities in Kamoke City	Sewerage	113.07	113.07	1.13		1.13		1.13	79
13	01-04-02-02-01	Solarization and alternate energy source for Disposal station in Kamoke city	Sewerage	58.73	58.73	0.29		0.29		0.29	87
14	01-04-02-01-03	Construction of additional manholes and provision of dewatering sets for improvement of storage	Sewerage	6.00	6.00	0.15		0.15		0.15	79
Total				3,608.89	2,371.76	79.43	337.13	91.93	900.00	95.31	

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)	Location
1	Water Supply	Improvement and extension of Water Supply System in Kamoke	The Project has the following objectives; 1. Project’s design objectives are to provide more efficient and cost effective water supply services targeting the population densities of 2032. 2. The proposed water supply network will enable the MC to fulfil the basic water needs of the city. 3. It will improve the supply network and control the losses. 4. Reduced the or nullify the gap between demand and supply of this project area. 5. It will provide the more safe	Area: Rasool Nagar Pipe dia Length Others Parameters (inch) (ft) 3 45420 Population 30110 Persons 4 15265 Avg Water Demand 1.19 MGD 6 15477 Max Water Demand 1.78 MGD 8 2551 Peak Water Demand 2.68 MGD Total Length 78,957 TW	367.76	18.38	Kamoke

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)	Location
			/ quality improved water to the consumers. 6. Provide the better or improved nodel pressure. 7. Will prode the the chance to MC to improve its capacity. 8. Provide a well maintained and monitored water supply network within the targeted project area	Nos. 1 Nos Area: Mandiala Road Pipe dia Length Others Parameters (inch) (ft) 3 25627 Population 15368 Persons 4 5198 Avg Water Demand 0.60 MGD 6 12978 Max Water Demand 0.91 MGD 8 1283 Peak Water Demand 1.36 MGD 10 621 Tube well capacity 2 Cusecs Total Length 45,707 TW Nos. 1 Nos			
2	Water Supply	Construction of Underground Water Storage Tank	The main objectives are - To supply safe drinking water ub sufficient quantity at doorsteps of consumers with reasonable cost - To encouraging personal	Design and Engineering Site Preparation Excavation and Earthwork Foundation Works Masonary Works Coation and Insulation	500	12.5	Kamoke

Sr. No.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Location
			hygiene and household cleanliness of users - Reduction of water borne diseases - Reduction in medical expenditures - Improvement in environment of the city	Piping and Connection Concrete Works			
3	Sewerage	Sewerage Scheme including WWTP & Disposal Station	The objective of this project is to relieve the inhabitants from the frustration of obnoxious smell, refusal of approach to commercial and domestic areas and other issue related with it.	Replacement of damaged 36"i/d Sewer line with new 36"i/d Under Water Sewer line in Rasool Nagar area. Construction of Man Hole Chambers Construction of RCC Sullage Carrier from Disposal works to existing drain Sewer House Connections Construction of WWTP	900	22.50	Kamoke
4	Roads	Improvement and Rehabilitation of Roads in MC Kamoke	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	1. P-1 Mari Road 2. P-2 R.U.P Road, i/c Link Road & I.Aziz Road 3. P-3 Eminabad Road & Godown Road 4. P-4 East Bypass Road & Link Quolin Road	381.46	19.073	Kamoke

Sr. No.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Location
			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.				
5	Slaughterhouse	Construction of New 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.	<ul style="list-style-type: none"> ▸ 3.2 Kanal land is required) ▸ 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 	135.13	3.38	Kamoke

Sr. No.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Location
			Ensure compliance with regulatory requirements. Improve working conditions for employees. Improve the overall performance of the slaughterhouse.	<ul style="list-style-type: none"> ▸ Separate Facility for Sick Animals ▸ Tools Disinfectant System 			
6	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	200	1	Kamoke
7	Parks	Rehabilitation / Improvement	1. To reduce urban heat island effect.	<p>parks require</p> <p>1 Swings</p>	80	2.00	Kamoke

Sr. No.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Location
		of Parks in Kamoke City	2. To provide active and passive recreational opportunities 3. To contribute to the health and wellness of a community 4. To create valuable green space 5. To combat air pollution caused by 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.	2 Drinking water coolers 3 Washroom 4 Tuck Shop 5 Gazebo			
8	Street Lights	Repair & Replacement of LEDs	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.	-Installation of LEDs at all non-functional MC operated streetlights	15.1	0.38	Kamoke

Sr. No.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Location
			Enhance the functionality of the street lighting system. Improve reliability and reduce maintenance downtime. Ensure compliance with regulatory requirements. Increase the lifespan of the street lighting system.				
9	Water supply	Solarization of Tube wells and Water Supply System	The primary objectives of solarization are as follows: a) Enhance Sustainability: By generating clean and renewable energy, the project can reduce its environmental impact and contribute to sustainable development. b) Reduce Carbon Footprint: Solar PV systems produce electricity with zero greenhouse gas emissions, helping to mitigate climate change and improve air quality. c) Cut Down Energy Costs: Utilizing solar energy can significantly reduce reliance on conventional grid electricity, resulting in long-term cost savings and improved financial viability.	Solarization of the tubewells based on the site load and installation capacity assessment. Tubewell solarization project scope involves converting conventional water pumping systems into solar-powered ones to ensure sustainable and energy-efficient water supply for rural needs.	150	0.75	Kamoke

Sr. No.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Location
10	Roads	Improvement of Roads (Tuff Pavers)	<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. 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. 	Tuff tiles in main bazar of MC Kamoke	150	7.5	Main Bazar (MC Kamoke)
11	Roads	Improvement & Construction of Roads in Kamoke City	<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 	Geometric Improvement and Rehabilitation of Existing Pavement Structure. Pavement Marking, Street	551.64	27.582	<ol style="list-style-type: none"> 1. Mari Road 2. R.U.P Road, i/cLink Road & I.Aziz Road

Sr. No.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Location
			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.	Lighting, Improvement of drainage system			3. Eminabad Road & Godown Road 4. East Bypass Road & Link Quolin Road 5. Ghouseia Road & New Chajjoke Road 6. Anmol CNG Road
12	Sewerage	Storm Water Facilities in Kamoke City	The primary objectives of this project are as follows: ▶ To safeguard public health likely to be affected due to stagnant stormwater in the residential areas, as it contains health hazard organisms. ▶ To protect public and private property which is damaged	Construction of storm drains Construction of storm drains culverts Construction of outfall structure Desilting of seepage/storm water drain Desilting of existing syphon	113.07	1.1307	Kamoke City

Sr. No.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Location
			<p>due to accumulated water in the residential and commercial areas.</p> <ul style="list-style-type: none"> ▶ To reduce the ponding time and surface runoff; ▶ To facilitate public movement and avoid unsolicited traffic hazards during rainfall. ▶ To improve the environmental conditions of the project areas. 	Construction of pumping station			
13	Sewerage	Solarization and alternate energy source for Disposal station in Kamoke city	<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</p>	Solarization of the Disposal Stations and Sewerage System based on the site load and installation capacity assessment	58.733	0.293665	Kamoke City

Sr. No.	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (million)	Recurrent O&M Cost (million)	Location
			significantly reduce reliance on conventional grid electricity, resulting in long-term cost savings and improved financial viability.				
14	Sewerage	Construction of additional manholes and provision of dewatering sets for improvement of storage	The Project aims at improvement of municipal services and has the following objectives; a) Improve the overall efficiency sewerage system b) Enhance wastewater collection, treatment, and disposal processes	5 Nos dewatering sets & 10 Nos Manholes: Design and Engineering Site Preparation Excavation and Earthwork Foundation Works Masonary Works Piping and Connection Provision of dewatering sets	6	0.15	Kamoke City

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:** 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) **Improvement in Service Delivery of Water Supply:** Rehabilitation of water supply system would improve the water quality for the target population, thus will help to improve public health index.
- (iv) **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.
- (v) **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.
- (vi) **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 Kamoke is given below.

Table 6: Financial Projections

Year	2023-24		2024-25		2025-26	
Category	Total Capital Rs. (Million)	Total O&M Rs. (Millions)	Total Capital Rs. (Million)	Total O&M Rs. (Millions)	Total Capital Rs. (Million)	Total O&M Rs. (Millions)
Water Supply	767.76	18.14	250.00	30.64	-	30.64
Sewerage	177.80	1.57	-	1.57	900.00	4.95
Roads	1,083.10	54.16	-	54.16	-	54.16
Slaughterhouse	48.00	2.18	87.13	2.18	-	2.18
Buildings	200.00	1.00	-	1.00	-	1.00
Parks	80.00	2.00	-	2.00	-	2.00
Street Lights	15.10	0.38	-	0.38	-	0.38
Total	2,371.76	79.43	337.13	91.93	900.00	95.31

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.

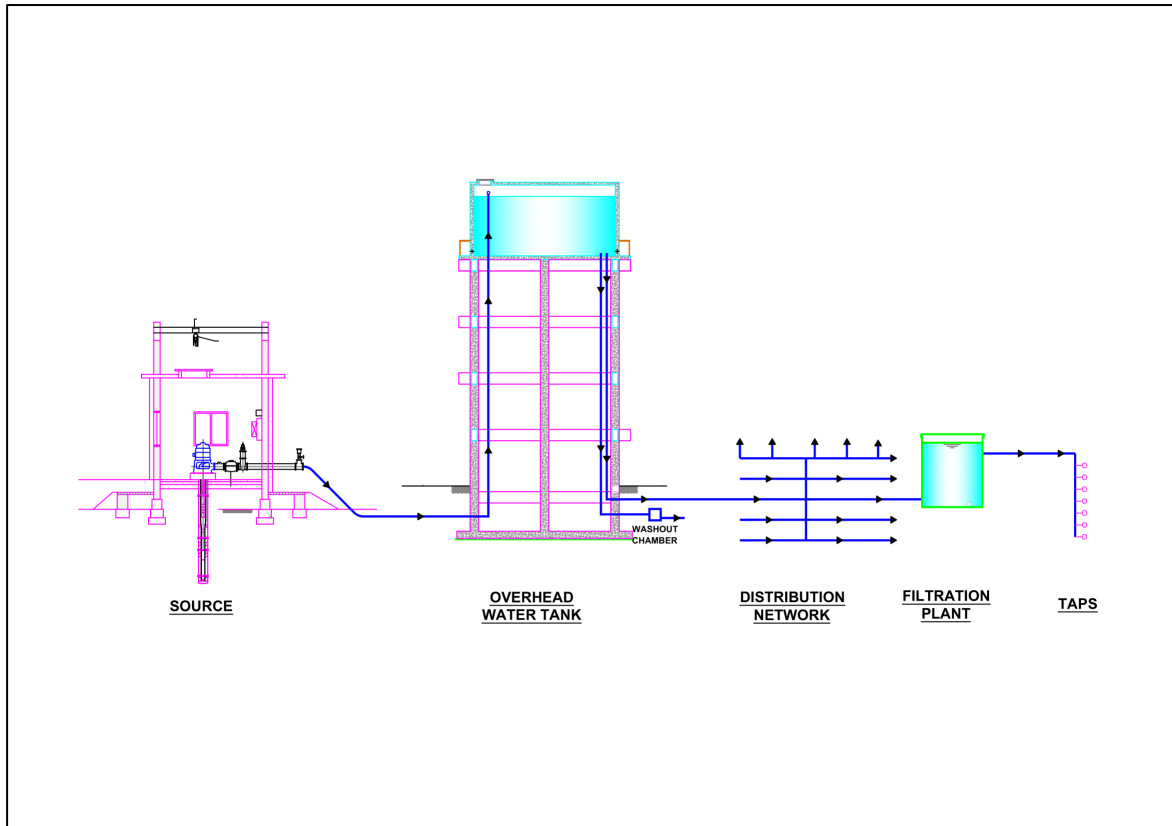
Operating and maintenance (O&M) cost shall be incurred during operational phases of the project. Operation and maintenance cost includes electricity and other utility cost, administrative expenses, maintenance cost, payroll cost and other overheads etc.

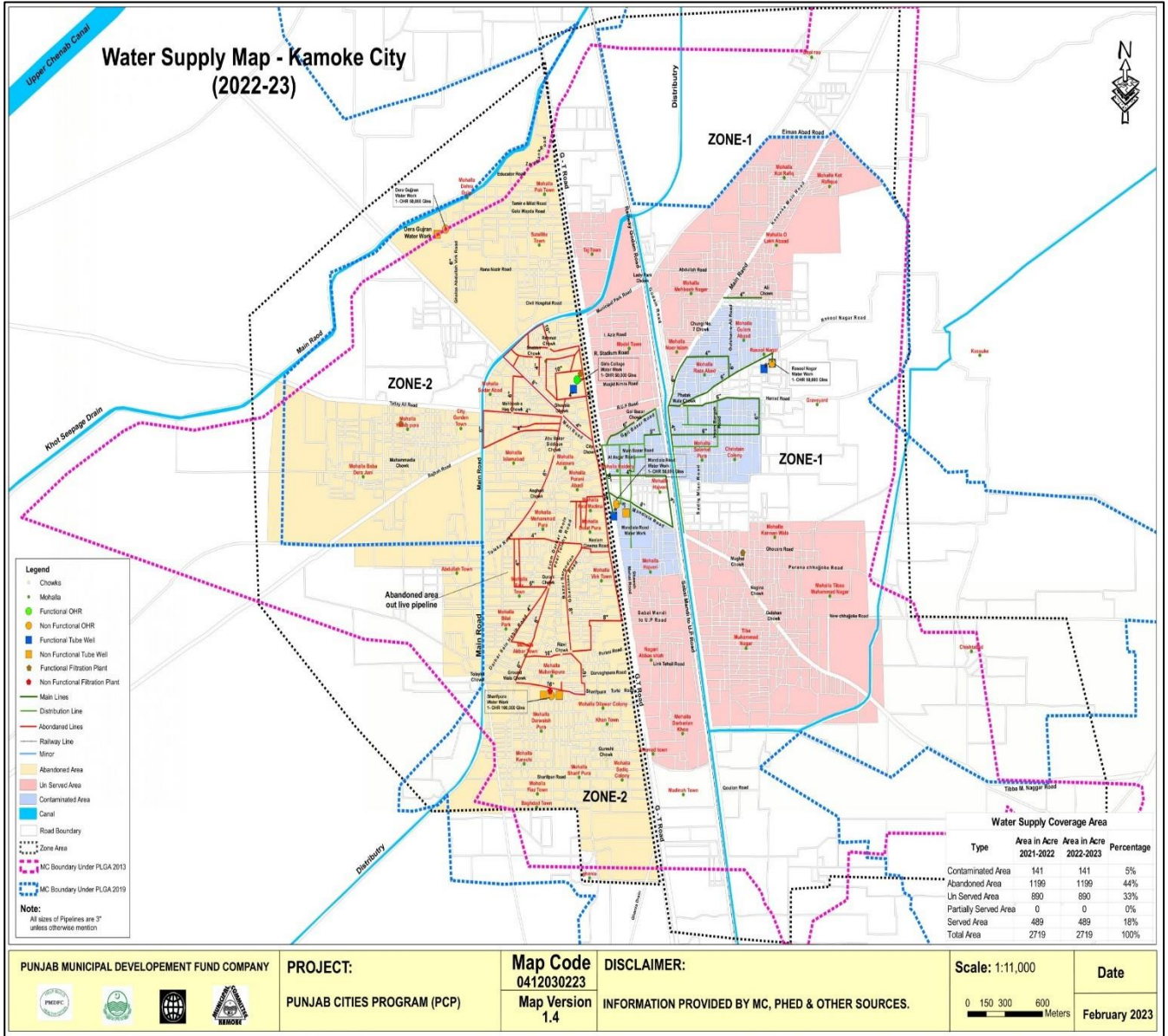
Annexure

Annexure A. Detail of Assets

1. Water Supply:

Key Components of a Water Supply System






A. Tube well

Sr #	Name	Age (Years)		Condition	Discharge (cusec)	Pump Make	Motor Make	Status	Motor HP	Book Value (PKR Million)
		Civil Structure	Pump							
1	Rasool Nagar	2	2	Good	2	PECO	General Make	Functional	60	25
2	Water Tank Mandiala	17	17	Fair	2	KSB	SIEMENS	Functional	60	3
3	Govt. Girls College	32	32	Fair	2	PECO	PECO	Functional	50	1



Sr #	Name	Age (Years)		Condition	Discharge (cusec)	Pump Make	Motor Make	Status	Motor HP	Book Value (PKR Million)
		Civil Structure	Pump							
4	Sharif Pura	32	32	Failing	Not Available	Not Available	Not Available	Non-functional	Not Available	0.1
5	Pak Awan	14	14	Failing	1.5	Grandfos	Grandfos	Non-functional	50	3
6	Line Park Rasool Nagar	Not Available	Not Available	Failing	Not Available	Not Available	Not Available	Abandoned	Not Available	

Integrated Development and Asset Management Plan (IDAMP)									
Municipal Committee Kamoke									
Form: IDAMP-A1			Tube Well Asset Condition Assessment				Asset Code: _____		
							Date: 27-03-2023		
Asset Detail						Pictures			
Name		Rasool Nagar							
Location	Latitude	31.980556							
	Longitude	74.231667							
Address		Harar Road, Kamoke							
Area (Acre/Kanal/Marla)		01 Marla							
Working Status		Functional		Non-Functional					
Installation Year of Tube Well		2021							
Installation Year of Pump		2021							
Capital Cost of Machinery		6 Million Pkr							
Operational Hours		12							
Delivery Pipe	Dia	8"							
	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		PECO							
Discharge Capacity (Cusec)		2							
Rotational Speed (RPM)		1465							
Housing Dia (inches)		15"							
Bore Depth (ft.)		500							
Head (ft.)		160							



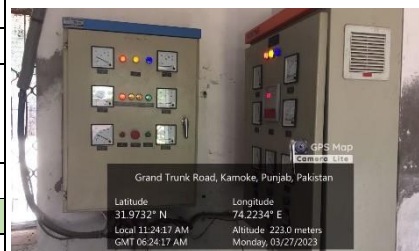
Harar Road, Kamoke, Punjab, Pakistan



Latitude 31.9796° N Longitude 74.2318° E
Local 10:59:26 AM Altitude 225.5 meters
GMT 05:59:26 AM Monday, 03/27/2023

Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A1	Tube Well Asset Condition Assessment	Asset Code: _____ Date: 27-03-2023			
Impeller Installation Depth (ft.)	80				
Paint of Pumping Unit	Fair				
Number of Valves	Gate Valve	1			
	Non-Returning Valve	1			
Base Plate	Yes	No			
Electro-Mechanical Equipment Details					
Transformer Capacity (kVA)	50				
Sanctioned Load (Kw)	55				
Motor Power (HP)	60				
Motor Make	General Make				
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"> No remarks 					
Data Collected By: Mr. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	
Data Checked By: Mr. M. Fiaz		Designation: Team Lead		 Sign & Date: 30 May 2023	

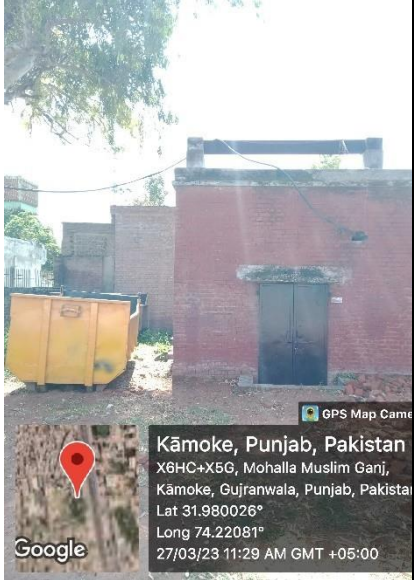
Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A1	Tube Well Asset Condition Assessment	Asset Code: _____ Date: 27-03-2023			
Asset Detail			Pictures		

Integrated Development and Asset Management Plan (IDAMP)				
Municipal Committee Kamoke				
Form: IDAMP-A1	Tube Well Asset Condition Assessment		Asset Code: _____ Date: 27-03-2023	
Name		Water Tank Mandiala		
Location	Latitude	31.973138		
	Longitude	74.2233		
Address		GT Road, Kamoke		
Area (Acre/Kanal/Marla)		01 Marla		
Working Status		Functional	Non-Functional	
Installation Year of Tube Well		2006		
Installation Year of Pump		2006		
Capital Cost of Machinery		3.5 Million Pkr		
Operational Hours		10		
Delivery Pipe	Dia	8"		
	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		KSB		
Discharge Capacity (Cusec)		2		
Rotational Speed (RPM)		1470		
Housing Dia (inches)		15"		
Bore Depth (ft.)		500		
Head (ft.)		160		
Impeller Installation Depth (ft.)		80		
Paint of Pumping Unit		Fair		
Number of Valves	Gate Valve	1		
	Non-Returning Valve	1		
Base Plate		Yes	No	
Electro-Mechanical Equipment Details				
Transformer Capacity (kVA)		100		
Sanctioned Load (Kw)		60		
Motor Power (HP)		60		
Motor Make		Siemens		
MCU		Yes	No	
Earthing of Motor		Yes	No	

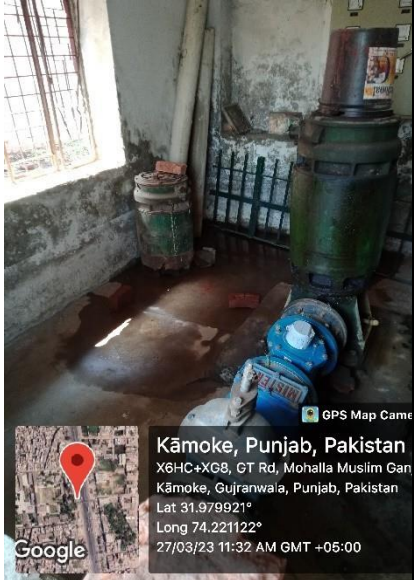


Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A1	Tube Well Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023	
Power Wiring	Yes				
Service Cable	Yes				
Earthing of MCU	Yes				
Energy Meter	Yes				
Water Meter	Yes	No			
PFI Equipment	Yes				
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"> No remarks 					
Data Collected By: Mr. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	
Data Checked By: Mr. M. Fiaz		Designation: Team Lead		 Sign & Date: 30 May 2023	



Integrated Development and Asset Management Plan (IDAMP)				
Municipal Committee Kamoke				
Form: IDAMP-A1	Tube Well Asset Condition Assessment		Asset Code: _____ Date: 27-03-2023	
Asset Detail			Pictures	
Name			Govt. Girls College	
Location	Latitude	31.98006		
	Longitude	74.22086		
Address			Mohalla Muslim Ganj, Kamoke	
Area (Acre/Kanal/Marla)			01 Marla	
Working Status			Functional	Non-Functional
Installation Year of Tube Well			1991	
Installation Year of Pump			1991	
Capital Cost of Machinery			Not Available	
Operational Hours			12	
Delivery Pipe	Dia	8"		
	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			PECO	
Discharge Capacity (Cusec)			2	
Rotational Speed (RPM)			1470	
Housing Dia (inches)			15"	
Bore Depth (ft.)			500	
Head (ft.)			160	
Impeller Installation Depth (ft.)			80	
Paint of Pumping Unit			Fair	
Number of Valves	Gate Valve	1		
	Non-Returning Valve	1		
Base Plate			Yes	No
Electro-Mechanical Equipment Details				
Transformer Capacity (kVA)			100	
Sanctioned Load (Kw)			60	
Motor Power (HP)			50	
Motor Make			PECO	
MCU			Yes	No
Earthing of Motor			Yes	No



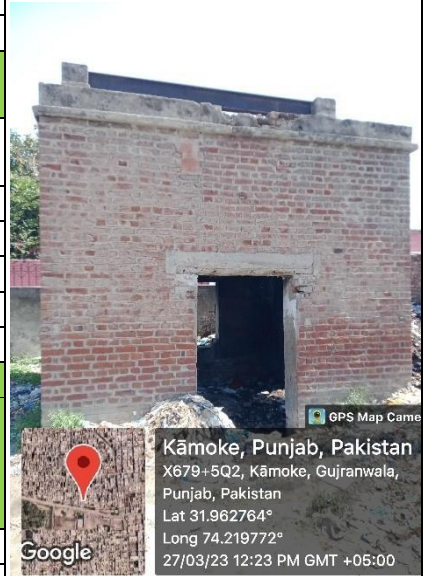
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Kāmoke, Gujranwala, Punjab, Pakistan
Lat 31.980026°
Long 74.22081°
27/03/23 11:29 AM GMT +05:00





GPS Map Came
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Kāmoke, Gujranwala, Punjab, Pakistan
Lat 31.979921°
Long 74.221122°
27/03/23 11:32 AM GMT +05:00



Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A1	Tube Well Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023	
Power Wiring	Yes				
Service Cable	Yes				
Earthing of MCU	Yes	No			
Energy Meter	Yes				
Water Meter	Yes				
PFI Equipment	Yes				
Generator	Yes	No			
Change Over	Yes				
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. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	
Data Checked By: Mr. M. Fiaz		Designation: Team Lead		 Sign & Date: 30 May 2023	


Integrated Development and Asset Management Plan (IDAMP)				
Municipal Committee Kamoke				
Form: IDAMP-A1	Tube Well Asset Condition Assessment		Asset Code: _____ Date: 27-03-2023	
Asset Detail			Pictures	
Name		Sharif Pura		
Location	Latitude	31.96255		
	Longitude	74.21952		
Address		Main road sharif pura		
Area (Acre/Kanal/Marla)		01 Marla		
Working Status		Functional	Non-Functional	
Installation Year of Tube Well		1991		
Installation Year of Pump		1991		
Capital Cost of Machinery		Not Available		
Operational Hours		-		
Delivery Pipe	Dia	-		
	Material	-		
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		-		
Pump Make		-		
Discharge Capacity (Cusec)		-		
Rotational Speed (RPM)		-		
Housing Dia (inches)		-		
Bore Depth (ft.)		500		
Head (ft.)		-		
Impeller Installation Depth (ft.)		-		
Paint of Pumping Unit		-		
Number of Valves	Gate Valve	-		
	Non-Returning Valve	-		
Base Plate		Yes	No	
Electro-Mechanical Equipment Details				
Transformer Capacity (kVA)		-		
Sanctioned Load (Kw)		-		
Motor Power (HP)		-		
Motor Make		-		
MCU		Yes	No	





Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A1	Tube Well Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023	
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"> As per discussion with client no need of tube well here 					
Data Collected By: Mr. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	
Data Checked By: Mr. M. Fiaz		Designation: Team Lead		 Sign & Date: 30 May 2023	

Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A1		Tube Well Asset Condition Assessment		Asset Code: _____ Date: 27-03-2023	
Asset Detail				Pictures	
Name		Pak Awan			
Location	Latitude	31.98986			
	Longitude	74.21113			
Address		Pak town Dera gujran			
Area (Acre/Kanal/Marla)		01 Marla			
Working Status		Functional	Non-Functional		
Installation Year of Tube Well		2009			
Installation Year of Pump		2009			
Capital Cost of Machinery		3.5 Million Pkr			
Operational Hours		-			
Delivery Pipe	Dia	8"			
	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		Grundfos			
Discharge Capacity (Cusec)		1.5			
Rotational Speed (RPM)		1470			
Housing Dia (inches)		12"			
Bore Depth (ft.)		500			
Head (ft.)		160			
Impeller Installation Depth (ft.)		80			
Paint of Pumping Unit		-			
Number of Valves	Gate Valve	-			
	Non-Returning Valve	-			
Base Plate		Yes	No		
Electro-Mechanical Equipment Details					
Transformer Capacity (kVA)		-			
Sanctioned Load (Kw)		-			
Motor Power (HP)		50			
Motor Make		Grundfos			
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		

Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A1	Tube Well Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023	
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"> As per discussion with client no need of tube well here 					
Data Collected By: Mr. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	
Data Checked By: Mr. M. Fiaz		Designation: Team Lead		 Sign & Date: 30 May 2023	



Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A1	Tube Well Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023	
Asset Detail			Pictures		
Name		Line Park Rasool Nagar			
Location	Latitude	31.98008			
	Longitude	74.231052			
Address		Rasool Nagar, Kamoke			
Area (Acre/Kanal/Marla)		01 Marla			
Working Status		Abandoned			
Installation Year of Tube Well					
Installation Year of Pump					
Capital Cost of Machinery					
Operational Hours					
Delivery Pipe	Dia				
	Material				
Chlorinator		Yes	No		
Chlorination Schedule		Once in a Year	After 6 Months	No Schedule	
Apron Around Pump House		Yes	No		
					


Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A1	Tube Well Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023	
Hoisting Girder	Yes		No		
Civil Structure Condition	Good	Fair	Bad		
Approach to Pump House	Good	Fair	Bad		
Pump Details					
Pump Type					
Pump Make					
Discharge Capacity (Cusec)					
Rotational Speed (RPM)					
Housing Dia (inches)					
Bore Depth (ft.)					
Head (ft.)					
Impeller Installation Depth (ft.)					
Paint of Pumping Unit					
Number of Valves	Gate Valve				
	Non-Returning Valve				
Base Plate	Yes		No		
Electro-Mechanical Equipment Details					
Transformer Capacity (kVA)					
Sanctioned Load (Kw)					
Motor Power (HP)					
Motor Make					
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"> No remarks 					
Data Collected By: Mr. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	


Integrated Development and Asset Management Plan (IDAMP)		
Municipal Committee Kamoke		
Form: IDAMP-A1	Tube Well Asset Condition Assessment	Asset Code: _____ Date: 27-03-2023
Data Checked By: Mr. M. Fiaz	Designation: Team Lead	 Sign & Date: 30 May 2023

B. OHR


Sr #	Name	Age (Years)	Condition	Capacity	Status	Book Value (PKR Million)
1	Mandiala Road	Not Available	Failing	50,000	Non-Functional	
2	Rasool Nagar	44	Poor	50,000	Non-Functional	0
3	Govt. Girls College	32	Fair	50,000	Functional	0
4	Mohalla Dera Gujran	15	Poor	35,000	Non-Functional	0.9
5	Sharif Pura	Not Available	Poor	50,000	Non-Functional	Not Available



Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A2		Over Head Reservoir Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023
Name		Mandiala Road			Pictures
Location	Latitude	31.973138			
	Longitude	74.2233			
Address		GT Road, Kamoke			
Year of Construction		Not Available			
Capacity (UK Gallons)		50,000			
Cleaning Frequency (Per Year)		-			
Type of Structure		Frame			
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	12"			
	Material	Mild Steel			
Delivery Main	Dia	8"			
	Material	Mild Steel			
Overflow & Scour Pipe	Dia	6"			
	Material	Mild Steel			
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"> No remarks 					
Data Collected By: Mr. Jawad		Designation: Team Member			

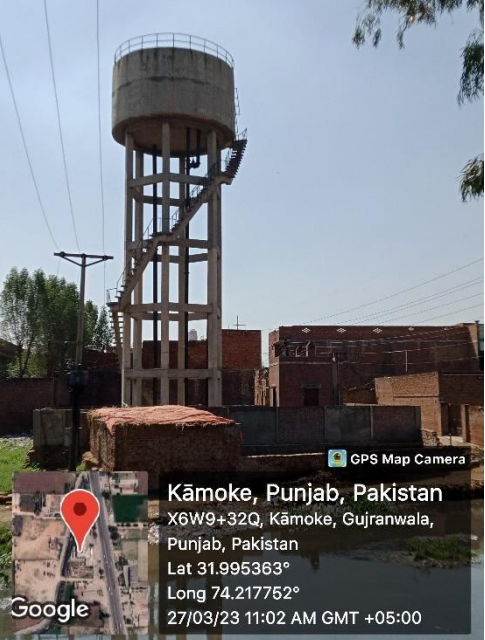
		Sign & Date: 30-May-2023
Data Checked By: Mr. M. Fiaz	Designation: Team Lead	 Sign & Date: 30 May 2023



Integrated Development And Asset Management Plan (IDAMP)						
Municipal Committee Kamoke						
Form: IDAMP-A2	Over Head Reservoir Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023		
Name		Rasool Nagar		Pictures		
Location	Latitude	31.980556				
	Longitude	74.231667				
Address		Harar Road, Kamoke				
Year of Construction		1981				
Capacity (UK Gallons)		50,000				
Cleaning Frequency (Per Year)		-				
Type of Structure		RCC				
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	Mild Steel				
Delivery Main	Dia	8"				
	Material	Mild Steel				
Overflow & Scour Pipe	Dia	6"				
	Material	Mild Steel				
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						

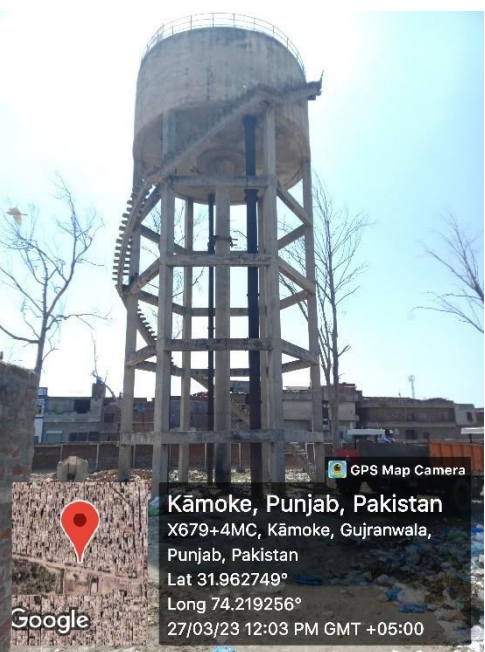
• No remarks		
Data Collected By: Mr. Jawad	Designation: Team Member	<i>Jawad</i> Sign & Date: 30-May-2023
Data Checked By: Mr. M. Fiaz	Designation: Team Lead	<i>M. Fiaz</i> Sign & Date: 30 May 2023



Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A2	Over Head Reservoir Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023	
Name		Govt. Girls College		Pictures	
Location	Latitude	31.980187			
	Longitude	74.220748			
Address		Main GT Road Girls College			
Year of Construction		1991			
Capacity (UK Gallons)		50,000			
Cleaning Frequency (Per Year)		2			
Type of Structure		RCC			
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	12"			
	Material	Mild Steel			
Delivery Main	Dia	8"			
	Material	Mild Steel			
Overflow & Scour Pipe	Dia	6"			
	Material	Mild Steel			
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					
• No remarks					
Data Collected By: Mr. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	
Data Checked By: Mr. M. Fiaz		Designation: Team Lead		 Sign & Date: 30 May 2023	

Integrated Development And Asset Management Plan (IDAMP)						
Municipal Committee Kamoke						
Form:	Over Head Reservoir			Asset Code: _____		
IDAMP-A2	Asset Condition Assessment			Date: 27-03-2023		
Name		Mohalla Dera Gujran		Pictures		
Location	Latitude	31.995363		 <p style="font-size: small;">GPS Map Camera Kāmoke, Punjab, Pakistan X6W9+32Q, Kāmoke, Gujranwala, Punjab, Pakistan Lat 31.995363° Long 74.217762° 27/03/23 11:02 AM GMT +05:00</p>		
	Longitude	74.217752				
Address		Pak Town Dera Gujran				
Year of Construction		2008/2009				
Capacity (UK Gallons)		35,000				
Cleaning Frequency (Per Year)		-				
Type of Structure		RCC				
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	8"				
	Material	Mild Steel				
Delivery Main	Dia	8"				
	Material	Mild Steel				
Overflow & Scour Pipe	Dia	6"				
	Material	Mild Steel				
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					
• No remarks					
Data Collected By: Mr. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	
Data Checked By: Mr. M. Fiaz		Designation: Team Lead		 Sign & Date: 30 May 2023	

Integrated Development And Asset Management Plan (IDAMP)						
Municipal Committee Kamoke						
Form: IDAMP-A2		Over Head Reservoir Asset Condition Assessment		Asset Code: _____ Date: 27-03-2023		
Name		Sharif Pura		Pictures		
Location	Latitude	31.962749				
	Longitude	74.219256				
Address		Main Road Sharif Pura				
Year of Construction		Not Available				
Capacity (UK Gallons)		50,000				
Cleaning Frequency (Per Year)		-				
Type of Structure		RCC				
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	12"				
	Material	Cast Iron				
Delivery Main	Dia	8"				
	Material	Cast Iron				
		Dia		6"		

Overflow & Scour Pipe	Material	Cast Iron			
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"> No remarks 					
Data Collected By: Mr. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	
Data Checked By: Mr. M. Fiaz		Designation: Team Lead		 Sign & Date: 30 May 2023	



D. Water Supply Network


Sr #	Dia	Length (meter)	Age (Years)	Condition	Material	Book Value (PKR Million)
1	3"	8509	42	Failing	AC	0
2	4"	4472				0
3	6"	4839				0
4	8"	3392				0
	10"	1763				0
5	16"	790				0

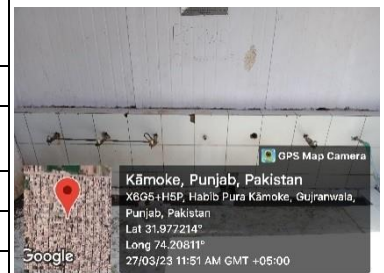
Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A5	Water Supply Network Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023	
Description	Area (Acres)	Area (Acres) w.r.t MC Boundary	Percenta ge w.r.t MC Boundary	Built-up Area (Acres)	Percenta ge w.r.t Built-up Area
Served Area	489	6685	7	2505	20
Contaminated Area	-		-		-
Water Shortage Area	-		-		-
Unserved Area	2,016		30		80
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 PEQSS, 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	A.C	27,917	1981	42	
4	A.C	14,672	1981	42	
6	A.C	15,876	1981	42	
8	A.C	11,129	1981	42	
10	A.C	5,784	1981	42	
16	A.C	2,592	1981	42	
Remarks / Requirements					
<ul style="list-style-type: none"> • No remarks 					
Data Collected By: Mr. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	
Data Checked By: Mr. M. Fiaz		Designation: Team Lead		 Sign & Date: 30 May 2023	

C. Filtration Plant

Sr #	Name	Age (Years)	Condition	Type	Capacity (Liter/hr.)	Status	Book Value (PKR Million)
1	Allah Wali Masjid	13	Fair	RO	1000	Functional	0.5
2	Habib Pura	13	Fair	RO	1000	Functional	0.51
3	Sharif Pura	13	Failing	RO	1000	Non-Functional	0.4
4	Govt. Girls College	32	Fair	RO	1000	Functional	0.11

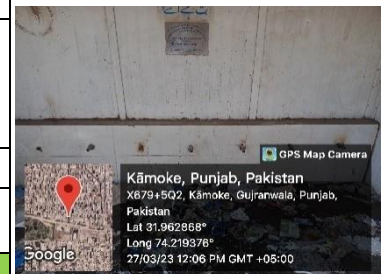
Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A4	Water Filtration Plant Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023	
Name		Allah Wali Masjid			Pictures
Location	Latitude	31.97055			
	Longitude	74.23220			
Address		Near Mandiala Road			
Installation Year		2010			
Installing Agency		Not Available			
O&M Agency		MC			
Filtration Capacity (Liter/Hour)		1000			
Operational Hours		12			
No. of Taps		7			
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"> No remarks 					
Data Collected By: Mr. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	



Data Checked By: Mr. M. Fiaz		Designation: Team Lead		 Sign & Date: 30 May 2023	
Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A4		Water Filtration Plant Asset Condition Assessment		Asset Code: _____ Date: 27-03-2023	
Name			Habib Pura		Pictures
Location	Latitude		31.97727		
	Longitude		74.20802		
Address			Girls School Habib Pura		
Installation Year			2010		
Installing Agency			Syed Bahis Group		
O&M Agency			MC		
Filtration Capacity (Liter/Hour)			1000		
Operational Hours			24		
No. of Taps			4		
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					






• No remarks		
Data Collected By: Mr. Jawad	Designation: Team Member	<i>Jawad</i> Sign & Date: 30-May-2023
Data Checked By: Mr. M. Fiaz	Designation: Team Lead	<i>M. Fiaz</i> Sign & Date: 30 May 2023

Integrated Development And Asset Management Plan (IDAMP)			
Municipal Committee Kamoke			
Form: IDAMP-A4	Water Filtration Plant Asset Condition Assessment		Asset Code: _____ Date: 27-03-2023
Name		SharifPura	
Location	Latitude	31.962868	
	Longitude	74.219376	
Address		Water Works Sharifpura	
Installation Year		2010	
Installing Agency		Syed Bahis Group	
O&M Agency		MC	
Filtration Capacity (Liter/Hour)		1000	
Operational Hours		0	
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



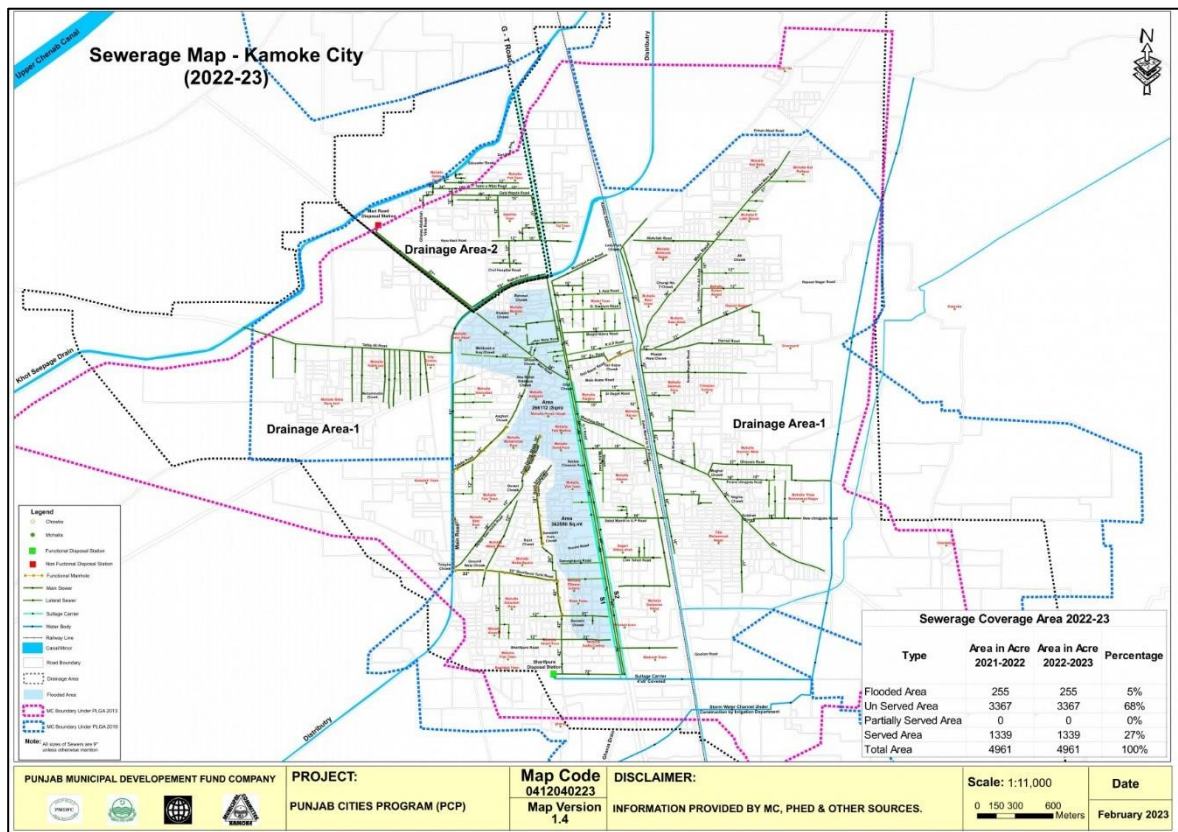
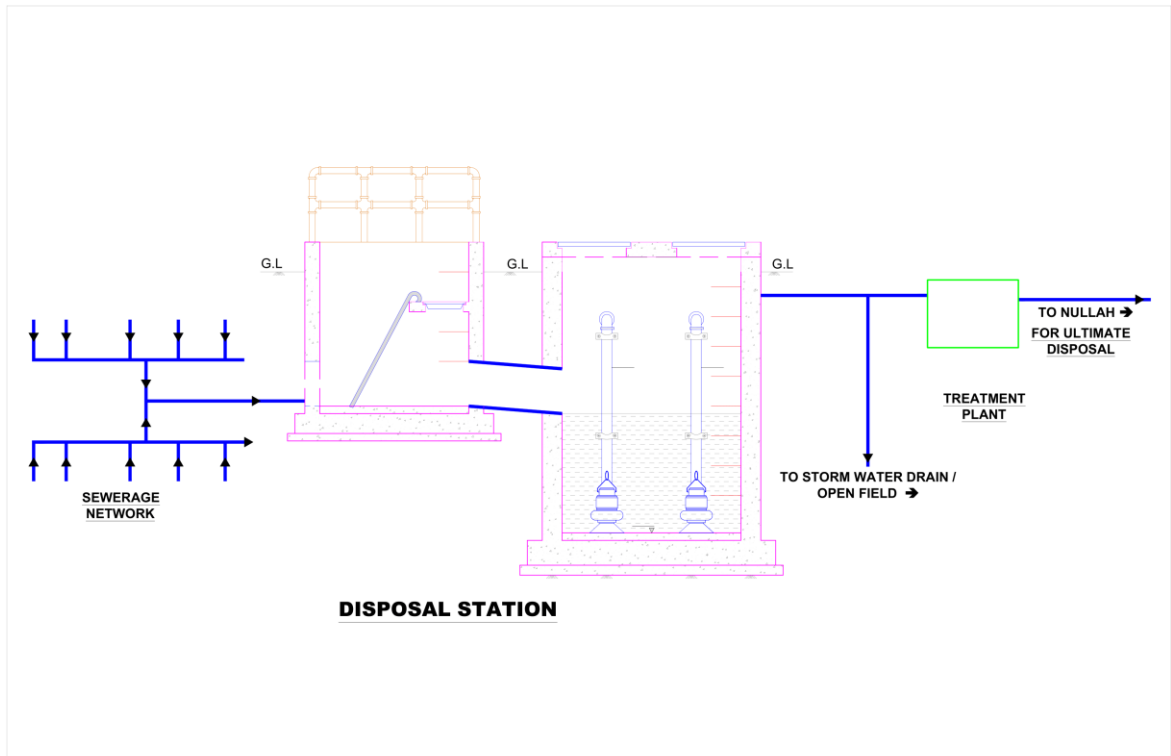
Approach to Pump House	Good	Fair	Poor		
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
• No remarks					
Data Collected By: Mr. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	
Data Checked By: Mr. M. Fiaz		Designation: Team Lead		 Sign & Date: 30 May 2023	

Integrated Development And Asset Management Plan (IDAMP)				
Municipal Committee Kamoke				
Form: IDAMP-A4	Water Filtration Plant Asset Condition Assessment		Asset Code: _____ Date: 27-03-2023	
Name		Govt. Girls College		Pictures
Location	Latitude	31.980148		
	Longitude	74.220958		
Address		Main GT Road Girls College		
Installation Year		1991		
Installing Agency		PHED		
O&M Agency		MC		
Filtration Capacity (Liter/Hour)		1000		
Operational Hours		24		
No. of Taps		7		
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"> No remarks 					
Data Collected By: Mr. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	
Data Checked By: Mr. M. Fiaz		Designation: Team Lead		 Sign & Date: 30 May 2023	



2. Sewerage

Key Components of a Sewerage System



A. Sewerage Network

Sr #	Dia	Length (meter)	Age (Years)	Condition	Material	Book Value (PKR Million)
1	9	7848	11	Good	RCC	1.65
2	12	5943				1.42
3	15	7894				2.31
4	18	5614				1.80
5	21	3376				1.38
1	24	306				0.15
2	27	2519				1.43
8	30	1664				1.12
9	33	2069				2.11
10	36	3259				3.69
11	42	1731				2.54
12	54	999				2.44
13	66	1255				5.74

Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A6	Sewerage Network Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023	
Description	Area (Acres)	Area (Acres) w.r.t MC Boundary	Percentag e w.r.t MC Boundary	Built-up Area (Acres)	Percentag e w.r.t Built-up Area
Served Area	1,637	6,685	25	2505	65
Flooded Area	-		-		-
Unserved Area	868		13		35
Type and number of complaints received to MC regarding sewerage system?	153 (6 Months)				
Steps considered by MC to resolve the complaints	Not Available				
Pipe Dia (inches)	Pipe Material	Length (ft)	No. of Manholes	Year of Laying	Age of Pipe
9	R.C.C	25,748	515	2012	11
12	R.C.C	19,499	195	2012	11
15	R.C.C	25,899	173	2012	11
18	R.C.C	18,421	9	2012	11
21	R.C.C	11,078	44	2012	11
24	R.C.C	1,003	4	2012	11
27	R.C.C	8,266	28	2012	11
30	R.C.C	5,460	18	2012	11
33	R.C.C	6,790	23	2012	11
36	R.C.C	10,694	36	2012	11
42	R.C.C	5,679	19	2012	11
54	R.C.C	3,279	8	2012	11
66	R.C.C	4,117	10	2012	11
72	R.C.C	1,518	3	2012	11
Remarks / Requirements					
<ul style="list-style-type: none"> • No remarks 					
Data Collected By: Mr. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	
Data Checked By: Mr. M. Fiaz		Designation: Team Lead		 Sign & Date: 30 May 2023	

B. Disposal Station



Sr #	Name	Age (Years)		Condition	Status	Nos. of Pump	Discharge Each (Cusec)	Motor HP	Pump Make	Motor Make	Book Value (PKR Million)
		Civil Structure	Pump								
1	Sharif Pura Disposal Station	11	17	Good	Functional	8	10	75	KSB	SIEMENS	4.8

Integrated Development and Asset Management Plan (IDAMP)											
Municipal Committee Kamoke											
Form: IDAMP-A7		Sewerage Disposal Station Asset Condition Assessment					Asset Code: _____ Date: 27-03-2023				
Asset Detail						Pictures					
Name		Sharifpura Disposal Station									
Location		Latitude		31.95577							
		Longitude		74.22119							
Address		Baghdad Town, Kamoke									
Area (Acres)		0.88									
Installation Year		2012									
Capital Cost of Machinery		Not available									
Outfall Drain Sewer		Dia		72"							
		Material		RCC							
Screening Chamber		No. of Screens		2							
		Screen Condition		Good		Fair		Poor			
		Chamber Structure		RCC							
Wet Wells		Number		2							
		Shape		Rectangular				Circular			
		Size		35'							
		Structure		Masonry				RCC			
		Railing		Yes				No			
Force Main		No. of force mains		No force main							
		Dia									
		Material									
		Starting Point									
		Ending Point									
		Length									
Sullage Carrier		Size		4'x6'							
		Shape		Rectangular							
		Length		1500'							
		Condition		Good							
Delivery Pipe		Dia		24"							
		Material		Cast iron							





Integrated Development and Asset Management Plan (IDAMP)								
Suction Pipe	Dia	24"						
	Material	Cast iron						
Number of Valves	Sluice Valves	16						
	Non-Return Valves	8						
	Penstock Valves	2						
Ultimate Disposal	Ghania 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)	23850							
Ultimate disposal of wastewater?	Ghaniadrain							
Electro-Mechanical Equipment Details								
Number of WAPDA Feeders	1							
Transformer Capacity (kVA)	630							
Number of MCU	8							
Sanctioned Load (kw)	358							
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 Type	Centrifugal/ Non-Clogging		Centrifugal/ Non-Clogging		Centrifugal/ Non-Clogging		Centrifugal/ Non-Clogging	
Pump Brand	KSB		KSB		KSB		KSB	
Pump Paint	OK		OK		OK		OK	
Motor Brand	Simens		Simens		Simens		Simens	
Installation Year of Pump	2012		2012		2012		2012	
Discharge Capacity (Cusecs)	10		10		10		10	
Rotational Speed (RPM)	960		960		960		960	
Head (ft.)	40		40		40		40	
Motor Power (HP)	75		75		75		75	
Pump Daily Running Time (Hours)	4		4		4		4	
Base Plate	Yes	No	Yes	No	Yes	No	Yes	No
	Pump E		Pump F		Pump G		Pump H	
Pump Type	Centrifugal/ Non-Clogging		Centrifugal/ Non-Clogging		Centrifugal/ Non-Clogging		Centrifugal/ Non-Clogging	



Integrated Development and Asset Management Plan (IDAMP)									
Pump Brand		KSB		KSB		KSB		KSB	
Pump Paint		OK		OK		OK		OK	
Motor Brand		Simens		Simens		Simens		Simens	
Installation Year of Pump		2012		2012		2012		2012	
Discharge Capacity (Cusecs)		10		10		10		10	
Rotational Speed (RPM)		960		960		960		960	
Head (ft.)		40		40		40		40	
Motor Power (HP)		75		75		75		75	
Pump Daily Running Time (Hours)		4		4		4		4	
Base Plate		Yes	No	Yes	No	Yes	No	Yes	No
Number of Valves	Sluice Valve	16							
	Non-Returning Valve	8							
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. Jawad		Designation: Team Member				 Sign & Date: 30-May-2023			
Data Checked By: Mr. M. Fiaz		Designation: Team Lead				 Sign & Date: 30 May 2023			

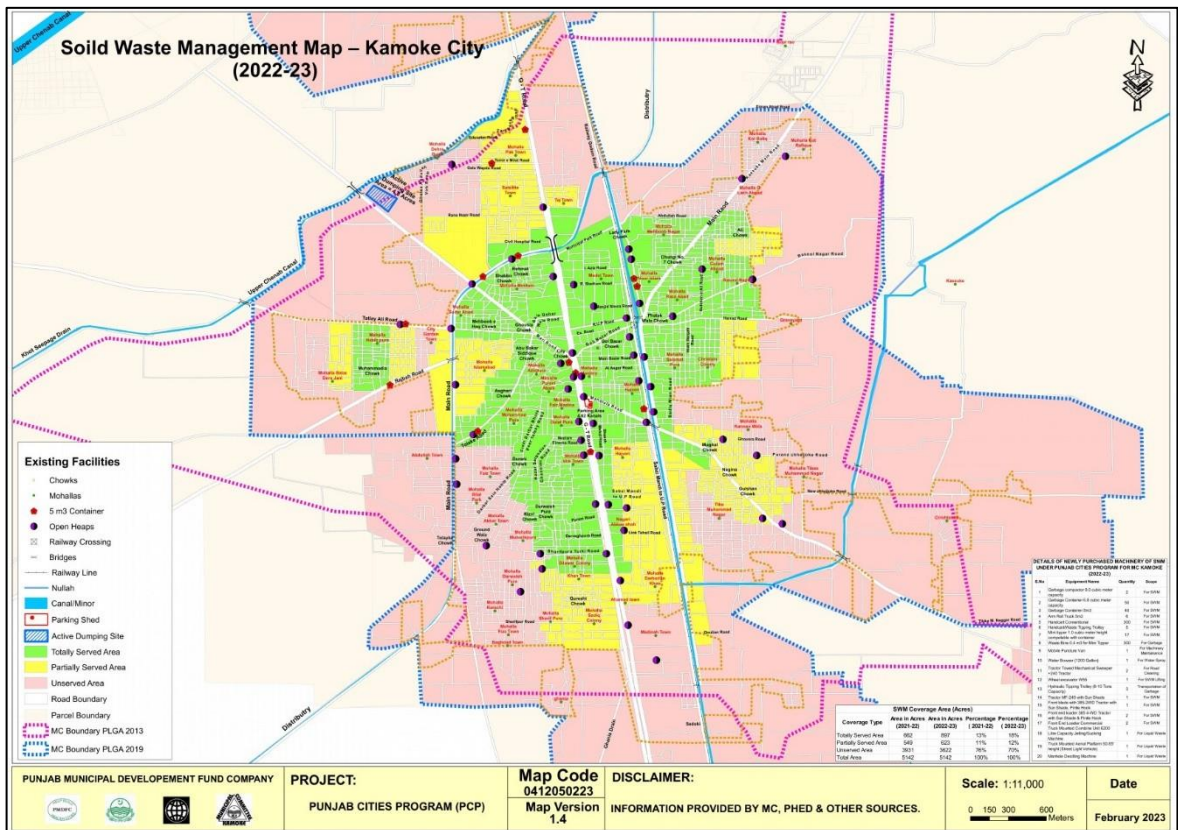
C. Vehicles and Machinery

Sr #	Name	Registration Number	Age (Years)	Condition	Status	Capacity	Book Value (PKR Million)
1	Sucker Machine	MC-12	11	Fair	Functional	4200CC	1
2	Jetting Machine	MC-14	6	Good	Functional	6500CC	3
3	Dewatering set (9 nos.)	Not Available	Not Available	Good	Functional		

Integrated Development and Asset Management Plan (IDAMP)		
Municipal Committee Kamoke		
Form: IDAMP-A16	Moveable Asset Asset Condition Assessment	Asset Code: _____ Date: 27-03-2023
Type of Vehicle / Machinery	Pictures	
Sucker Machine		
Mini-Truck along with Sucker Machine		
Capacity	3300 CC	
Purpose	Sewerage	
Year of Manufacturing	2012	
Model	Forland	
Capital Cost	Not available	
Fuel Consumption (Liters/month)	267	
Condition	Good	
Engine Capacity	3300 CC	
Maintenance Cost	Not available	
Oiling /Fitness	Yes	
Fitness Certificate	No	
Registered	MC-12	
Overall Rating	Fair	
Remarks / Requirements		
<ul style="list-style-type: none"> No remarks 		
Data Collected By: Mr. Jawad	Designation: Team Member	 Sign & Date: 30-May-2023
Data Checked By: Mr. M. Fiaz	Designation: Team Lead	 Sign & Date: 30 May 2023

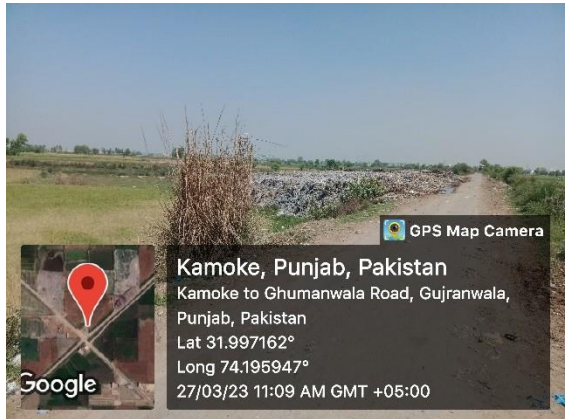
3. SOLID WASTE MANAGEMENT



Key Components of Solid Waste Management System



A. Dumping Site

Sr #	Name	Age (Years)	Condition	Status	Area (Acres)	Ownership	Book Value (PKR Million)
1	Mari Road Dumping Site	6	Fair	Functional	1.5	Private	4




Integrated Development And Asset Management Plan (IDAMP)				
Municipal Committee Kamoke				
Form: IDAMP-A11	Solid Waste Dumping Site Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023
Name		Mari Road Dumping Site		<div style="text-align: center;">Pictures</div> 
Location	Latitude	31.997162		
	Longitude	74.195947		
Address		Mari Road		
Area (Acres)		1.5		
Distance from urban area		2 km		
Year the site started for dumping service		2017		
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)		2		
Land Ownership		Private		
Site Accessibility		Good		
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	



Integrated Development And Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A11	Solid Waste Dumping Site Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023	
Compaction Equipment	Yes	No			
Plantation Around Site	Yes	No			
Any illegal occupants or encroachments observed-if yes, type	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					
Presently MC collects solid wastes and dispose off at plain area dumping site i.e. 1.5 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. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	
Data Checked By: Mr. M. Fiaz		Designation: Team Lead		 Sign & Date: 30 May 2023	

B. Vehicles/ Machinery

Sr #	Name	Registration Number	Quantity	Age (Years)	Condition	Status	Capacity	Book Value (PKR Million)
1	Tractor-Millat	M-C-9	1	11	Good	Functional	50 HP	0.55
2	Tractor-Millat	M-C-7	1	17	Fair	Functional	50 HP	0.38
3	Tractor-Millat	MC-4	1	26	Poor	Functional	75 HP	0.15
4	Tractor-Millat	M-C-5	1	22	Fair	Functional	50 HP	1.21
5	Truck-Mitsubishi Fuso	MC-11	1	11	Fair	Functional	4200CC	3.92
6	Truck-Mitsubishi Fuso	MC-10	1	11	Fair	Functional	4200CC	3.79
7	Rickshaw	M-C-1	1	11	Fair	Functional	200CC	0.04
8	Rickshaw	M-C-2	1	11	Fair	Functional	200CC	0.04
9	Rickshaw	M-C-3	1	11	Fair	Functional	200CC	0.04
10	Rickshaw	M-C-4	1	11	Fair	Functional	200CC	0.04
11	Tractor-IMT 540	MC-2	1	41	Poor	Functional	40 HP	0.2
12	Tractor-IMT 540	MC-3	1	40	Poor	Functional	40 HP	0.2
13	Tractor-Millat	MC-8	1	12	Fair	Functional	85 HP	0.5
14	Tractor-Millat	MC-6	1	17	Fair	Functional	85 HP	0.39
15	Tractor-Ford	MC-1	1	42	Poor	Functional	60 HP	0.2
16	SWM containers (12 nos.)	Not Applicable	12		Fair	Functional	5 m3	Not Available
17	Garbage Compactor 8 M3	Not Available	2	1	Excellent	Functional	8 M3	0.95
18	Hand Cart conventional	Not Applicable	300	1	Excellent	Functional	Not Available	0.03
19	Arm Roll truck 5 M3	Not Available	6	1	Excellent	Functional	5 M3	7.49
20	Garbage container 5 M3	Not Available	40	1	Excellent	Functional	5 M3	0.43

Sr #	Name	Registration Number	Quantity	Age (Years)	Condition	Status	Capacity	Book Value (PKR Million)
21	Mini tippers 1 M3	Not Available	17	1	Excellent	Functional	1 M3	1.59
22	Water Bouzer 1200 Gallons	Not Available	1	1	Excellent	Functional	1200 Gallons	0.80
23	Hydraulic tipping trolleys	Not Available	3	1	Excellent	Functional	Not Available	0.82
24	Tractor MF 240	Not Available	1	1	Excellent	Functional	MF 240	0.00
25	Tractor front blade 385 2WD	Not Available	1	1	Excellent	Functional	385 2WD	1.96
26	Tractor front end loader 385 4WD	Not Available	2	1	Excellent	Functional	385 4WD	2.97
27	Front end loader commercial	Not Available	2	1	Excellent	Functional	Not Available	0.65
28	Jetting/Sucking machine combined truck mounted	Not Available	1	1	Excellent	Functional	Not Available	13.50
29	Mobile Workshop van	Not Available	1	1	Excellent	Functional	Not Available	2.56
30	Truck mounted Aerial platform 55' height	Not Available	1	1	Excellent	Functional	Not Available	9.36
31	Manhole desilting machine	Not Available	1	1	Excellent	Functional	Not Available	2.65
32	Garbage container 0.8 M3	Not Applicable	50	1	Excellent	Functional	0.8 M3	0.07
33	Hand Cart waste tipping trolley	Not Available	5	1	Excellent	Functional	Not Available	0.07
34	Tractor towed Mechanical Sweeper (240)	Not Available	2	1	Excellent	Functional	Not Available	1.62
35	Wheel Excavator W55	Not Available	1	1	Excellent	Functional	W55	19.08
36	Waste bins 0.4 M3 for mini tippers	Not Available	300	1	Excellent	Functional	0.4 M3	0.04




Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A16	Moveable Asset Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023	
Type of Vehicle / Machinery			Pictures		
Tractor					
	Tractor 1	Tractor 2	Tractor 3	Tractor 4	Tractor 5
Capacity	50 HP	50 HP	85 HP	50 HP	85 HP
Purpose	SWM	SWM	SWM	SWM	SWM
Year of Manufacturing	2012	2006	2006	2001	2011
Model	MF240	MF240	MF385	MF240	MF385
Capital Cost	Not Available	Not Available	Not Available	Not Available	Not Available
Fuel Consumption (Liters/month)	678	604	831	678	831
Condition	Fair	Fair	Fair	Fair	Fair
Engine Capacity	50 HP	50 HP	85 HP	50 HP	85 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	M-C-9	M-C-7	MC-6	M-C-5	MC-8
Overall Rating	Fair	Fair	Fair	Fair	Fair
Remarks / Requirements					
<ul style="list-style-type: none"> No remarks 					
Data Collected By: Mr. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	
Data Checked By: Mr. M. Fiaz		Designation: Team Lead		 Sign & Date: 30 May 2023	



Integrated Development and Asset Management Plan (IDAMP)			
Municipal Committee Kamoke			
Form: IDAMP-A16	Moveable Asset Asset Condition Assessment		Asset Code: _____ Date: 27-03-2023
Type of Vehicle / Machinery		Pictures	
Loader Rickshaws			
	Loader Rickshaw 1	Loader Rickshaw 2	Loader Rickshaw 3
Capacity	1.5 m3	1.5 m3	1.5 m3
Purpose	SWM	SWM	SWM
Year of Manufacturing	2012	2012	2012
Model	2012	2012	2012
Capital Cost	Not Available	Not Available	Not Available
Fuel Consumption (Liters/month)	Not Available	Not Available	Not Available
Condition	Poor	Poor	Poor
Engine Capacity	200 CC	200 CC	200 CC
Maintenance Cost	Not Available	Not Available	Not Available
Oiling /Fitness	No	No	No
Fitness Certificate	No	No	No
Registered	M-C-1	M-C-2	M-C-3
Overall Rating	Fair	Fair	Fair
Remarks / Requirements			
<ul style="list-style-type: none"> No remarks 			
<i>Data Collected By: Mr. Jawad</i>	<i>Designation: Team Member</i>	 Sign & Date: 30-May-2023	
<i>Data Checked By: Mr. M. Fiaz</i>	<i>Designation: Team Lead</i>	 Sign & Date: 30 May 2023	

4. Building

A. Offices

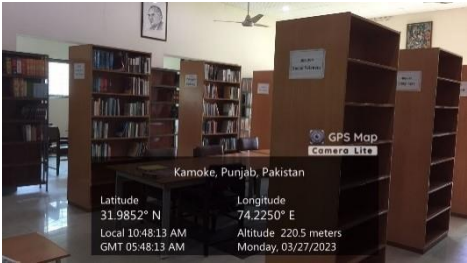
Sr #	Name	Age (Years)	Condition	Status	Area (Acres)	Book Value (PKR Million)
1	MC Office	31	Good	Functional	1.5	89



Integrated Development and Asset Management Plan (IDAMP)			
Municipal Committee Kamoke			
Form: IDAMP-A14	Building Asset Condition Assessment		Asset Code: _____ Date: 27-03-2023
Name		MC Office	<div style="text-align: center;">Pictures</div>   
Location	Latitude	31.98462	
	Longitude	74.221222	
Address		GT Road, Sheikhpura	
Year of Construction		1992	
Land Area (Acres)		1.5	
No. of Stories		1	
Condition		Good	
Purpose		Administration	
No. of Staff			
No. of Rooms		13	
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	

Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A14	Building Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023	
Ramps for wheel chairs at entry gate	Yes	No			
Security Guard	Yes	No			
Park/lawn outdoor/indoor 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. Jawad</i>		<i>Designation: Team Member</i>		 Sign & Date: 30-May-2023	
<i>Data Checked By: Mr. M. Fiaz</i>		<i>Designation: Team Lead</i>		 Sign & Date: 30 May 2023	

B. Library

Sr #	Name	Age (Years)	Condition	Status	Area (Acres)	Book Value (PKR Million)
1	MC Library	Not-Available	Fair	Functional	0.375	30

Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A14	Building Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023	
Name		MC Library		Pictures	
Location	Latitude	31.9852			
	Longitude	74.2250			
Address		Lady Park Road, Kamoke			
Year of Construction		Not Available			
Land Area		3 Kanal			
No. of Stories		1			
Condition		Good			
Purpose		Library			
No. of Staff		3			
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		
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		
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 					

Integrated Development and Asset Management Plan (IDAMP)		
Municipal Committee Kamoke		
Form: IDAMP-A14	Building Asset Condition Assessment	Asset Code: _____ Date: 27-03-2023
Data Collected By: Mr. Jawad	Designation: Team Member	 Sign & Date: 30-May-2023
Data Checked By: Mr. M. Fiaz	Designation: Team Lead	 Sign & Date: 30 May 2023

C. Shops

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamoke														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 27-03-2023		
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	87001	G.T Road Near Aalamgir Road Kamoke	31.97539667	74.22262	72	2	Commercial	Owned/Managed	No	No	Rented/Leased	Good	MashAllah	baryani Shop
2	87002	G.T Road Near Aalamgir Road Kamoke	31.97539833	74.222585	72	3	Commercial	Owned/Managed	No	No	Rented/Leased	Good	MashAllah	burger point
3	87003	G.T Road Near Aalamgir Road Kamoke	31.97534667	74.22266167	72	4	Commercial	Owned/Managed	No	No	Rented/Leased	Good	MashAllah	Shawarma Point
4	87004	G.T Road Near Aalamgir Road Kamoke	31.97527833	74.22265667	72	5	Commercial	Owned/Managed	No	No	Rented/Leased	Good	MashAllah	Ware house
5	87005	G.T Road Near Aalamgir Road Kamoke	31.97525167	74.222685	72	6	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Majid Majeed	bike auto shop

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamoke														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 27-03-2023		
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
6	87006	G.T Road Near Aalamgir Road Kamoke	31.97517167	74.22266333	72	7	Commercial	Owned/Managed	No	No	Rented/Leased	Good	pasha hamad	bike auto shop
7	87007	G.T Road Near Aalamgir Road Kamoke	31.97519167	74.22272667	72	8	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Shahid Mehmood	Auto Shop
8	87008	G.T Road Near Aalamgir Road Kamoke	31.97522833	74.22267833	72	9	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad saeed	Auto Shop
9	87009	G.T Road Near Aalamgir Road Kamoke	31.97520167	74.22273667	62	10	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Nasir Riaz	Auto Shop
10	87010	G.T Road Near Aalamgir Road Kamoke	31.97515333	74.22266	62	11	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Nazakat	Juice Shop
11	87011	G.T Road Near Aalamgir	31.97505	74.22292167	64	12	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Azeem	pan Shop

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamoke														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 27-03-2023		
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
		Road Kamoke												
12	87012	G.T Road Near Aalamgir Road Kamoke	31.97500833	74.2228	64	13	Commercial	Owned/Managed	No	No	Rented/Leased	Good	M Shafiq	Taller Shop
13	87013	G.T Road Near Aalamgir Road Kamoke	31.975045	74.22283667	64	14	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Abdul Aziz	electric Shop
14	87014	G.T Road Near Aalamgir Road Kamoke	31.97508	74.22284833	64	15	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Muhammad Rafique	Cloth Shop
15	87015	G.T Road Near Aalamgir Road Kamoke	31.975115	74.222915	64	2	Commercial	Owned/Managed	No	No	Rented/Leased	Good	Sami Ullah	Milk Shop
16	88001	G.T Road Mandiala Road Kamoke	31.9736	74.22359	228	2	Commercial	Not Owned/But Managed	No	No	Rented/Leased	Good	M Zahid	Scrap

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamoke														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 27-03-2023		
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
17	88002	G.T Road Mandiala Road Kamoke	31.9736	74.22359	228	3	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M Zahid	Scrap
18	88003	G.T Road Mandiala Road Kamoke	31.9736	74.22359	228	4	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M Zahid	Scrap
19	88004	G.T Road Mandiala Road Kamoke	31.97359	74.223485	228	5	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M zahid	Scrap
20	88005	G.T Road Mandiala Road Kamoke	31.97359	74.223485	153	6	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Abdul jabbar	Naan Shop
21	88006	G.T Road Mandiala Road Kamoke	31.97360667	74.223455	153	7	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Sheikh Muhammad Idres	Sweet Shop
22	88007	G.T Road Mandiala Road Kamoke	31.97361833	74.22343333	153	8	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M Shahid	Birds Shop
23	88008	G.T Road Mandiala Road Kamoke	31.97357167	74.22339833	153	9	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Shahid majeed	sweet Shop



Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamoke														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 27-03-2023		
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
24	88009	G.T Road Mandiala Road Kamoke	31.97366667	74.22339167	153	10	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M Awais	Auto Shop
25	88010	G.T Road Mandiala Road Kamoke	31.973635	74.22334167	153	11	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Qasim	welding Shop
26	88011	G.T Road Mandiala Road Kamoke	31.97368	74.22334167	153	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	m Shahid	cycle repairing Shop
27	88012	G.T Road Mandiala Road Kamoke	31.97369167	74.22327833	153	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Atta U Rehman	beauty saloon
28	88013	G.T Road Mandiala Road Kamoke	31.973685	74.22322167	153	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	m Umer	sweet Shop
29	88014	G.T Road Mandiala Road Kamoke	31.973765	74.22325333	153	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Zain	Hakeem Shop
30	88015	G.T Road Mandiala Road Kamoke	31.97373	74.223165	159	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M ramzan	Electrician

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamoke														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 27-03-2023		
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
31	88016	G.T Road Mandiala Road Kamoke	31.97373167	74.223145	180	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Amjad	sweet Shop
32	88017	G.T Road Mandiala Road Kamoke	31.97378667	74.22307333	180	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M Saleem	hotel
33	88018	G.T Road Mandiala Road Kamoke	31.97369167	74.22297833	242	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Muhammad Saleem Dar	Private Office
34	88019	G.T Road Mandiala Road Kamoke	31.973555	74.222985	180	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M Arslan	Sanitary Store
35	88020	G.T Road Mandiala Road Kamoke	31.97362333	74.22298167	180	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Saeed dar	Parcel company
36	88021	G.T Road Mandiala Road Kamoke	31.97356667	74.22295333	185	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Saeed Dar	Goods Transport Company
37	88022	G.T Road Mandiala	31.97349	74.22296167	189	1	Commercial	Not Owned/	No	No	Rented/ Leased	Good	Muhammad Saeed	Goods Transport

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamoke														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 27-03-2023		
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
		Road Kamoke						But Managed					Akhtar Dar	
38	88023	G.T Road Mandiala Road Kamoke	31.97352667	74.22301667	180	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M iqbal	Sanitary Store
39	88024	G.T Road Mandiala Road Kamoke	31.97351	74.223	180	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M Iqbal	Sanitary Store
40	88025	G.T Road Mandiala Road Kamoke	31.97347667	74.222985	180	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	m Iqbal	Sanitary Store
41	88026	G.T Road Mandiala Road Kamoke	31.97352	74.22297	180	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M Ijaz	sanitary store
42	88027	G.T Road Mandiala Road Kamoke	31.97345667	74.22297	180	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M Zahid	kamani Maker
43	88028	G.T Road Mandiala Road Kamoke	31.97343	74.22301	192	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M Talha	tea Stall

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamoke														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 27-03-2023		
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
44	88029	G.T Road Mandiala Road Kamoke	31.97337667	74.223035	192	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M Asif Dogar	Private Office
45	88030	G.T Road Mandiala Road Kamoke	31.97330167	74.22311333	178	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Ijaz shah	battery Store
46	88031	G.T Road Mandiala Road Kamoke	31.97324	74.22302833	178	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Ijaz Shah	battery Store
47	88032	G.T Road Mandiala Road Kamoke	31.97331667	74.22306167	198	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Amjad shah	auto spare Part
48	88033	G.T Road Mandiala Road Kamoke	31.97324667	74.223095	198	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M Azam	auto Spare parts shop
49	88034	G.T Road Mandiala Road Kamoke	31.97317833	74.22301	178	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M Arif	Sanitary Store
50	88035	G.T Road Mandiala Road Kamoke	31.973135	74.22305167	178	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M azhar	Battery Shop

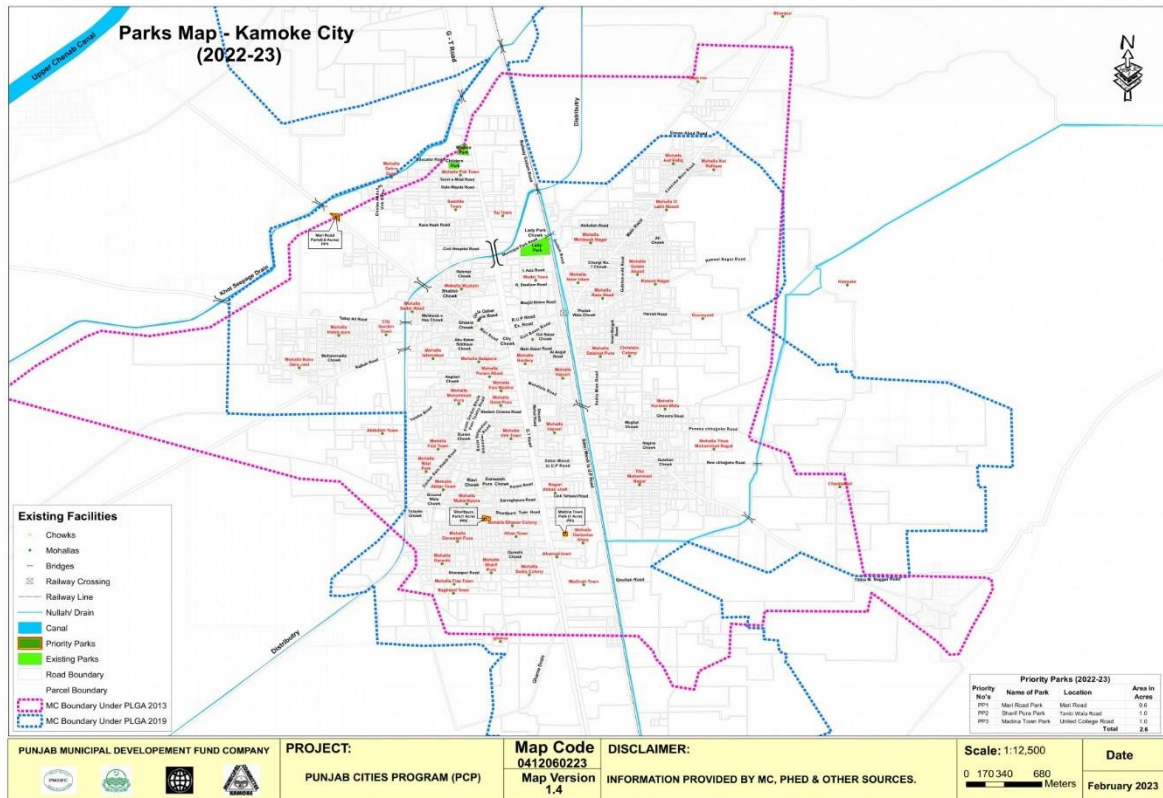
Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamoke														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 27-03-2023		
SR	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownership Status	Encroachment Status	Litigation Exist	Current Status	Condition	Tenant Name	Business
51	88036	G.T Road Mandiala Road Kamoke	31.97308333	74.22305667	178	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M faisal	auto electrician
52	88037	G.T Road Mandiala Road Kamoke	31.97303333	74.22301833	178	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M Qaiser	Electrician
53	88038	G.T Road Mandiala Road Kamoke	31.97306333	74.22307833	178	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Amjad Shah	ice Cream Ware Hose
54	88039	G.T Road Mandiala Road Kamoke	31.972835	74.223075	178	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	saif	ice cream store
55	88040	G.T Road Mandiala Road Kamoke	31.97301	74.22312667	178	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M Abbas	auto electrician
56	88041	G.T Road Mandiala Road Kamoke	31.972955	74.22308333	178	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	M husnain	Garage
57	88042	G.T Road Mandiala Road Kamoke	31.97293833	74.22298167	178	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Rana Muhammad Safdar	weapon Shop


Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamoke														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 27-03-2023		
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
58	88043	G.T Road Mandiala Road Kamoke	31.97292667	74.223085	178	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Rana Arslan	weap on Shop
59	88044	G.T Road Mandiala Road Kamoke	31.97295667	74.22324167	178	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Ali Shan	Stam Frosh
Average Score		1			2			3			4		5	
Asset Condition		Excellent			Good			Fair			Poor		Failing	
Category		A			B			C			D		E	
Data Collected By: Mr. Jawad					Designation: Team Member					 Sign & Date: 30-May-2023				
Data Checked By: Mr. M. Fiaz					Designation: Team Lead					 Sign & Date: 30 May 2023				


5. Public Places

A. Parks


Sr #	Name	Age (Years)	Condition	Status	Area (Acres)	Book Value (PKR Million)
1	Lady Park	Not Available	Good	Functional	4.25	200
2	Children Park	Not Available	Fair	Functional	0.75	60
3	Madni Park	Not Available	Fair	Functional	0.75	60


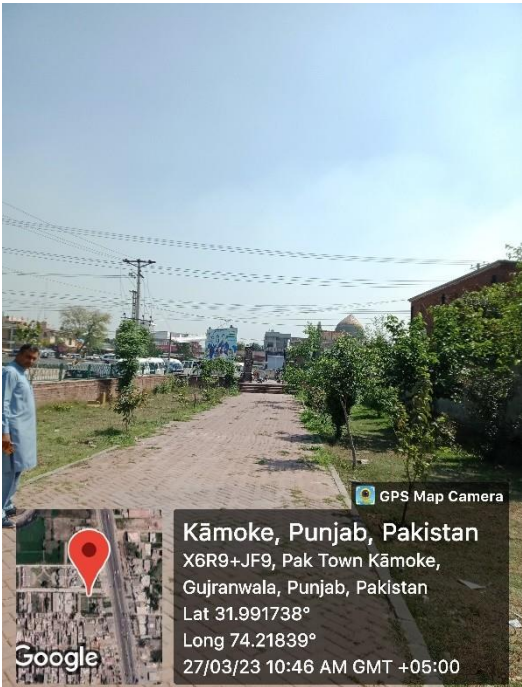



Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A10	Park Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023	
Name		Lady Park		Pictures	
Location	Latitude	31.9852			
	Longitude	74.2241			
Area In Acres		4.25			
Ownership-Owned by MC 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)					
Any illegal occupants or encroachments observed- if yes, type					
Security system					
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)		Not Available			
Lights					
Total Number		18			
Poles		Yes	No		
Cables		Yes	No		
Brackets And Lights		Yes	No		
Bulbs And Tubes		Yes	No		
Control Units		Yes	No		


Integrated Development and Asset Management Plan (IDAMP)					
Structures					
No. of Toilets	Gents	1			
	Ladies	1			
Condition of Toilets	Gents	Fair			
	Ladies	Fair			
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					
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)	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					
•					
Data Collected By: Mr. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	



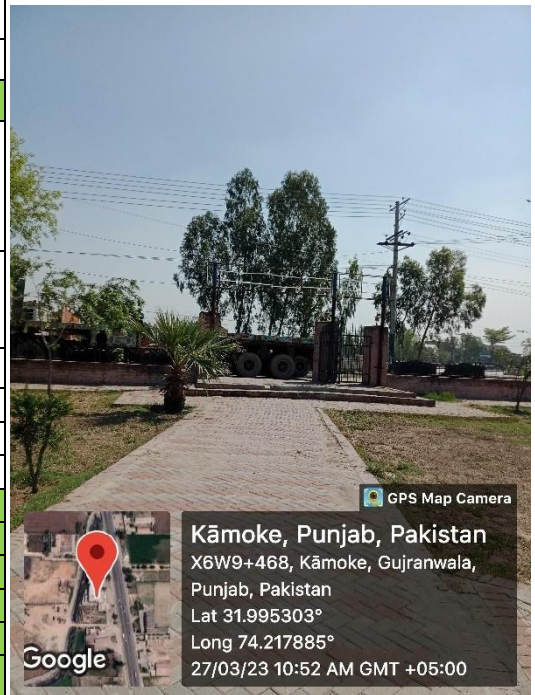
Integrated Development and Asset Management Plan (IDAMP)		
Data Checked By: Mr. M. Fiaz	Designation: Team Lead	 Sign & Date: 30 May 2023

Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A10	Park Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023	
Name		Children Park		Pictures	
Location	Latitude	31.9913232			
	Longitude	74.218173			
Area In Acres		0.75			
Ownership-Owned by MC or possession allocated to MC by any other department (documents available)		MC			
Turfing Condition		Good	Fair		
Approach Road		Good	Fair		<p style="font-size: small;">Kāmoke, Punjab, Pakistan X6R9+9CX, Pak Town Kāmoke, Gujranwala, Punjab, Pakistan Lat 31.991323° Long 74.218173° 27/03/23 10:45 AM GMT +05:00</p>
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		No			
Security system					
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		NO			
Poles		Yes	No		
Cables		Yes	No		
Brackets And Lights		Yes	No		
Bulbs And Tubes		Yes	No		
Control Units		Yes	No		

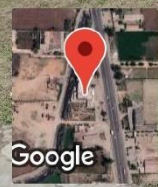
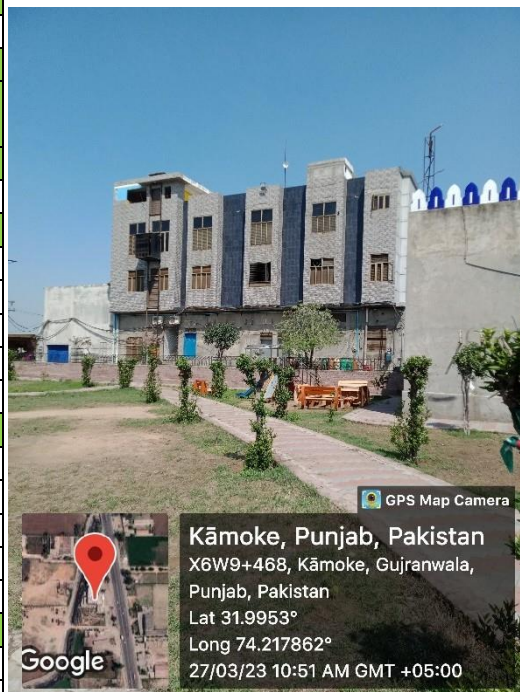
Integrated Development and Asset Management Plan (IDAMP)					
Structures					
No. of Toilets	Gents	1			
	Ladies	1			
Condition of Toilets	Gents	Fair			
	Ladies	Fair			
Buildings	Yes	No			
Fountains & Water Fall Structure	Yes	No			
Walkways	Yes	No			
Jogging tracks	Yes	No			
Ramps at entry gates for wheel 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					
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)	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"> • New lights are required • Play area is required 					
Data Collected By: Mr. Jawad		Designation: Team Member		 Sign & Date: 30-May-2023	

Integrated Development and Asset Management Plan (IDAMP)		
Data Checked By: Mr. M. Fiaz	Designation: Team Lead	 Sign & Date: 30 May 2023



Integrated Development and Asset Management Plan (IDAMP)				
Municipal Committee Kamoke				
Form: IDAMP-A10	Park Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023
Name		Madni Park		Pictures
Location	Latitude	31.995027		
	Longitude	74.2179		
Area In Acres		0.75		
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 (based on the assessment of MC staff)	Not Available			
Any illegal occupants or encroachments observed- if yes, type	No			
Security system				
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)	Not Available			
Lights				
Total Number	0			
Poles	Yes	No		
Cables	Yes	No		
Brackets And Lights	Yes	No		
Bulbs And Tubes	Yes	No		
Control Units	Yes	No		
Structures				



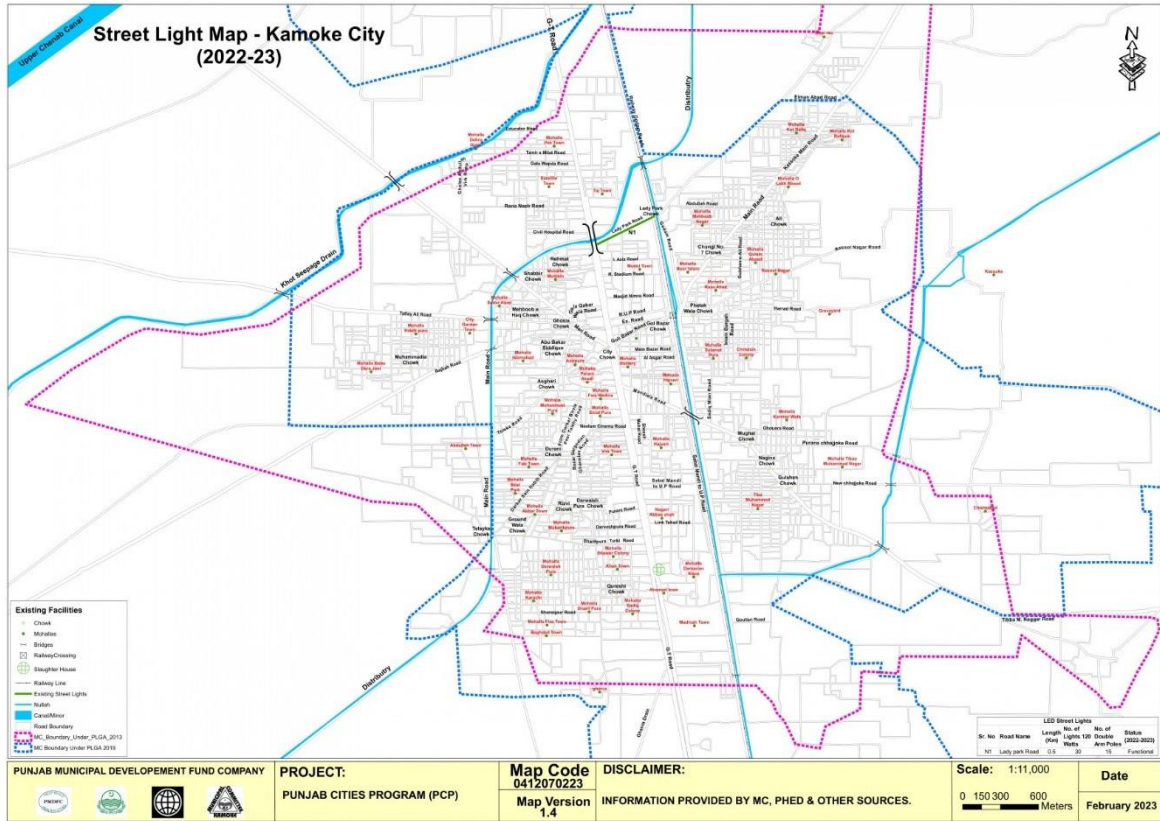
Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Kamoke					
Form: IDAMP-A10	Park Asset Condition Assessment			Asset Code: _____ Date: 27-03-2023	
No. of Toilets	Gents	1			
	Ladies	1			
Condition of Toilets	Gents	Fair			
	Ladies	Fair			
Buildings	Yes	No			
Fountains & 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					
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)	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"> New lights are required Play area is required 					



GPS Map Camera
Kāmoke, Punjab, Pakistan
 X6W9+468, Kāmoke, Gujranwala,
 Punjab, Pakistan
 Lat 31.9953°
 Long 74.217862°
 27/03/23 10:51 AM GMT +05:00

Integrated Development and Asset Management Plan (IDAMP)		
Municipal Committee Kamoke		
Form: IDAMP-A10	Park Asset Condition Assessment	Asset Code: _____ Date: 27-03-2023
Data Collected By: Mr. Jawad	Designation: Team Member	 Sign & Date: 30-May-2023
Data Checked By: Mr. M. Fiaz	Designation: Team Lead	 Sign & Date: 30 May 2023




6. Street Lights




	Streetlights	MC Operated	Privately Operated
Operational Street Lights	66	66	
Non-Operational Street Lights	302	302	
Total	368	368	0

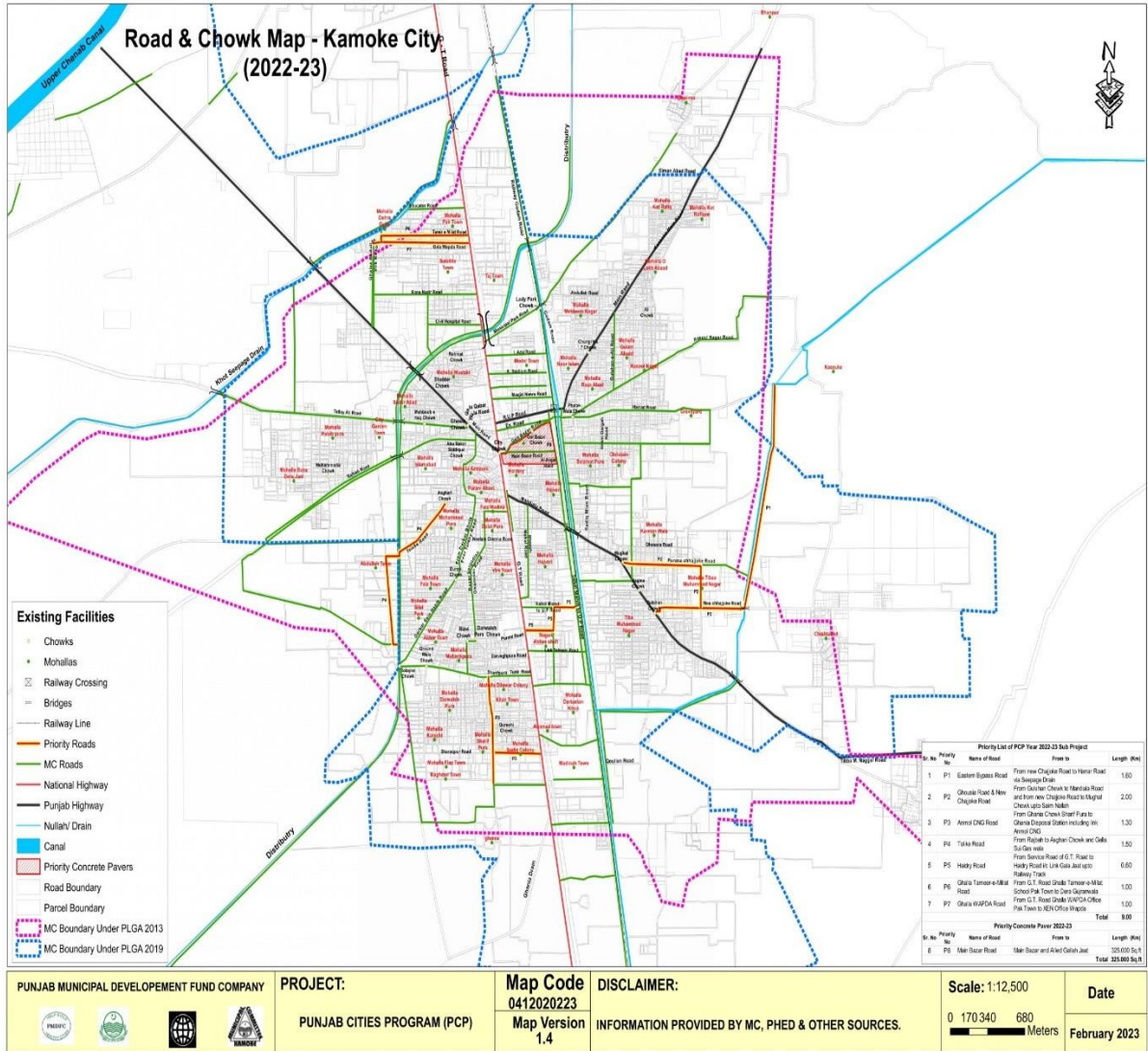
Details of Streetlight Poles

Operated by	Precast Concrete	Steel Structure	Wall	Gate	Grand Total
MC	2	78	22	5	107
Private					0

Integrated Development and Asset Management Plan (IDAMP)							
Municipal Committee Kamoke							
Form: IDAMP-A9	Street Lights Asset Condition Assessment				Asset Code: _____ Date: 27-03-2023		
Pictures							
							
Road	Type of Luminaries				Total	Operational Status	Poles Type (WAPDA Pole / MC Pole)
	Sodium	Led (6-120w)	Tube Light (40 W)	Energy Saver / Light Bulb			
Ladies Park		63			63		
Street Light corner lady park		14			14		
Underpass road		202			202		
Underpass Sharqi		7			7		
Sabzi Mandi		7			7		
GT-Road Underpass Ghazali		7			7		
City Chowk		68			68		
Overall Rating							
Average Score	1	2	3	4	5		
Asset Condition	Excellent	Good	Fair	Poor	Failing		
Category	A	B	C	D	E		
Remarks / Requirements							
Out of the 368 lights in the MC, 66 lights were found to be operational.							
Data Collected By: Mr. Jawad			Designation: Team Member				

		Sign & Date: 30-May-2023
Data Checked By: Mr. M. Fiaz	Designation: Team Lead	
		Sign & Date: 30 May 2023



7. ROADS



Sr. No.	Road Name	TST, Asphalt Or Concrete Pavers	Row (Ft)	Approx. Length (Km)
1	Abdullah road (Lady park phatak to Kassoki road)	Un-paved	18	0.6
2	Sharif pura road (G.T road to Rajba)	PCC	40	1


Sr. No.	Road Name	TST, Asphalt Or Concrete Pavers	Row (Ft)	Approx. Length (Km)
3	Anmol CNG road (G.T road to Disposal station)	Un-paved	26	0.4
4	Neelam cinema road (G.T road to Graveyard road)	PCC	15	0.3
5	Wapda office road (G.T road to Wapda office)	Un-paved	20	0.5
6	Main Pak town road (G.T to Dera Gujran)	TST	25	0.75
7	Rajba to Dera Gujran road	TST	50	0.75
8	Exchange road (G.T road to Old exchange)	TST	40	0.4
9	Masjid Nimra road (G.T road to Railway road)	PCC	40	0.5
10	Iqbal Aziz road (G.T road to Railway station)	TST	40	0.5
11	Bola peer to Neelam cinema road.	Un-paved	38	0.75
12	Mandiala road to Sabzi mandi	TST	28	0.75
13	Masjid Qualian road	Un-paved	18	0.6
14	New Chajoke road	Un-paved	20	0.5
15	Graveyard road	Un-paved	20	0.25
16	Haidri road	Un-paved	20	0.6
17	Tibba road to Christian colony	TST	20	1
18	Graveyard Baharshah to masjid Al-Farooq road.	TST	20	0.75
19	Rajba Road	TST	30	6
20	Dera Baba Jani road	TST	40	2


Integrated Development and Asset Management Plan (IDAMP)									
Municipal Committee Kamoke									
Form: IDAMP-A8		Road Asset Condition Assessment				Asset Code: _____ Date: 27-03-2023			
Pictures									
Sr. No.	Road Name	From	to	Ownership	TST, Asphalt Or Concrete Pavers	Row (Ft)	Paved Width (Ft)	Approx. Length (Km)	Condition
1	Abdullah road	Lady park phatak	Kassoki road	MC	Un-paved	18	18	0.6	Poor
2	Sharif pura road	G.T road	Rajba	MC	PCC	40	20	1.0	Poor
3	Anmol CNG road	G.T road	Disposal station	MC	Un-paved	26	20	0.4	Poor
4	Neelam cinema road	G.T road	Graveyard road	MC	PCC	15	13	0.3	Poor
5	Wapda office road	G.T road	Wapda office	MC	Un-paved	20	20	0.5	Poor
6	Main Pak town road	G.T road	Dera Gujran	MC	TST	25	12	0.75	Poor
7	Rajba Road	Rajba	Dera Gujran road	MC	TST	50	36	0.75	Poor
8	Exchange road	G.T road	Old exchange	MC	TST	40	16	0.4	Poor
9	Masjid Nimra road	G.T road	Railway road	MC	PCC	40	20	0.5	Poor
10	Railway road	G.T road	Railway road	MC	TST	40	12	0.5	Poor
11	Bola peer	Bola peer	Neelam cinema road	MC	Un-paved	38	26	0.75	Poor

Integrated Development and Asset Management Plan (IDAMP)									
Municipal Committee Kamoke									
Form: IDAMP-A8	Road Asset Condition Assessment						Asset Code: _____ Date: 27-03-2023		
12	Mandiala road	Mandiala road	Sabzi mandi	MC	TST	28	20	0.75	Poor
13	Masjid Qualian road			MC	Un-paved	18	14	0.6	Poor
14	New Chajoke road			MC	Un-paved	20	15	0.5	Poor
15	Graveyard road			MC	Un-paved	20	16	0.25	Poor
16	Haidri road			MC	Un-paved	20	16	0.6	Poor
17	Tibba road to	Tibba road	Christian colony	MC	TST	20	16	1.0	Poor
18	Graveyard Baharshah to masjid.	Graveyard Baharshah	Al-Farooq road	MC	TST	20	16	0.75	Poor
19	Rajba Road			MC	TST	30	16	6	Poor
20	Dera Baba Jani road			MC	TST	40	30	2	Poor
Remarks / Requirements									
<ul style="list-style-type: none"> No remarks 									
Data Collected By: Mr. Jawad				Designation: Team Member			 Sign & Date: 30-May-2023		
Data Checked By: Mr. M. Fiaz				Designation: Team Lead			 Sign & Date: 30 May 2023		

8. OFFICE VEHICLES

Sr #	Name	Registration Number	Age (Years)	Condition	Status	Capacity	Book Value (PKR Million)
1	Jeep-Suzuki	SAB-4055	Not Available	Fair	Functional	1000CC	Not Available
2	Car-Suzuki	GAO-2020	21	Fair	Functional	1000CC	0.3
3	Jeep-Suzuki	GAH-140	Not Available	Fair	Functional	1000CC	Not Available

Integrated Development and Asset Management Plan (IDAMP)			
Municipal Committee Kamoke			
Form: IDAMP-A16	Moveable Asset Asset Condition Assessment		Asset Code: _____ Date: 27-03-2023
Type of Vehicle / Machinery		Pictures	
Car & Jeeps			
	Car	Jeep 1	Jeep 2
Capacity	1000 CC	1000 CC	1000 CC
Purpose	Office Use	Office Use	Office Use
Year of Manufacturing	2002	N/A	N/A
Model	Cultus	Potohar	Potohar
Capital Cost			
Fuel Consumption (Liters/month)	355	339	423
Condition	Fair	Fair	Fair
Engine Capacity	1000 CC	1000 CC	1000 CC
Maintenance Cost	Not Available	Not Available	Not Available
Oiling /Fitness	Yes	Yes	Yes
Fitness Certificate	No	No	No
Registered	GAO-2020	SAB-4055	GAH-140
Overall Rating	Fair	Fair	Fair
Remarks / Requirements			
<ul style="list-style-type: none"> No remarks 			
Data Collected By: Mr. Jawad	Designation: Team Member	 Sign & Date: 30-May-2023	

<i>Data Checked By: Mr. M. Fiaz</i>	<i>Designation: Team Lead</i>	 <i>Sign & Date: 30 May 2023</i>
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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
Northern Punjab	01	Kamoke	04	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	02-09f-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						

Region Name	Region Code	MC	MC Code	Property Types	Property Type Code	Sub Property Types	Sub Property Type Code	Unique Codes
						Masjid/ Imam bargah	08	02-09-05-08-XX
						Shops	09	02-09-05-09-XX
				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 ID: 01-04-01-02-01
Project Description : Improvement and extension of Water Supply System in Kamoke

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		15		5	0	Majority opposition	Majority support	5
				1		Minority opposition			

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score			
	groups, network, media, or business organizations?			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, increase in land/property prices, reduction in citizens' expenditures, etc.?	7.5	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					

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
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	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							84

Project ID: 01-04-01-06-01

Project Description : Construction of Underground Water Storage Tank

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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
				5	Between 10% to 20%	Majority support	5	
				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
					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		15	7.5	0	No direct revenue	No direct revenue	0	

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
	Will the project bring in direct revenue?			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	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	5	Yes	Yes	5
				0	No			
5.3	Will the project get approval from higher levels of Government?		5	1	1	Difficult	Standard	2.5
				2.5	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	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 ID: 01-04-02-01-01

Project Description : Rehabilitation of Sewer Line

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 immediate consequences	10
						0	No consequences		
						2.5	Minor consequences		
		7.5				Major future consequences			
		30				10	Major immediate consequences		
2. Public Response									
2.1	Population served by the project.		15		7.5	1	Less than 10%	Between 10% to 20%	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	Minority support	2.5
						1	Minority opposition		
						5	Majority support		
						2.5	Minority support		
2.3		15			2.5	0	Majority opposition	Minority support	1.5
						0.5	Minority opposition		

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?			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	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		
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	No	0
				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	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 f or 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							70.5	

Project ID: 01-04-04-01-01

Project Description : Improvement and Rehabilitation of Roads in MC Kamoke

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			
2.3				15	2.5	2.5	Minority support	Majority support	2.5
						0	Majority opposition		
					15		0.5	Minority opposition	

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?			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	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		
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	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 ID: 01-04-05-06-01

Project Description : Construction of New 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 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	2.5	Minority support	Majority support	2.5
						0	Majority opposition		
					15		0.5	Minority opposition	

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?			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 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		
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	Standard	2.5	
				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 f or 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	

Project ID: 01-04-06-01-01

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?		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	Minor consequences	2.5
						2.5	Minor consequences		
						7.5	Major future consequences		
		10				Major immediate consequences			
2. Public Response									
2.1		15			7.5	1	Less than 10%	Less than 10%	1

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
	Population served by the project.			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		
					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		15	7.5	0	No direct revenue		7.5	

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Will the project bring in direct revenue?			2.5	Direct revenue is not sufficient to meet O&M costs	Revenue exceeds 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	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)?		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	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: 01-04-05-01-01

Project Description : Rehabilitation / Improvement of Parks in Kamoke 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			
					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		15			7.5	1	Less than 10%	Greater than 20%	7.5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Population served by the project.			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	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		15	7.5	0	No direct revenue	No direct revenue	0

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Will the project bring in direct revenue?			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		
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		

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	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 ID: 01-04-04-03-01

Project Description : Repair & Replacement of LEDs

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		15			7.5	1	Less than 10%	Greater than 20%	7.5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
	Population served by the project.			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	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		15	7.5	0	No direct revenue	No direct revenue	0	

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Will the project bring in direct revenue?			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		
5.2	Has funding been secured/allocated within the Local Government budget or whether the external sources of	5	5	5	Yes	Yes	5
				0	No		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
	funding have been secured?							
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 ID: 01-04-01-01-01

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			
2.3				15	2.5	2.5	Minority support	Majority support	2.5
						0	Majority opposition		

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	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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
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	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: 01-04-04-01-02

Project Description : Improvement of Roads (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	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		
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?		10	10	Major contribution to key development goal.	Minor consequences	2.5
				0	No consequences		
				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?		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		5	5	Yes	Yes	5
				0	No		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
	Government budget or whether the external sources of funding have been secured?							
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							79.5	

Project ID: 01-04-04-01-03

Project Description : "Improvement & Construction of Roads in Kamoke 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		
		2.5	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?		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		5	5	Yes	Yes	5
				0	No		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
	Government budget or whether the external sources of funding have been secured?							
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							79.5	

Project ID:

01-04-02-01-02

Project Description :

Storm Water Facilities in Kamoke
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			
2.3				15	2.5	2.5	Minority support	Majority support	2.5
						0	Majority opposition		

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	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	Has funding been secured/allocated within the Local Government budget or whether the	30	5	5	Yes	Yes	5
				0	No		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
	external sources of funding have been secured?							
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 f or 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	

Project ID: 01-04-02-02-01

Project Description : Solarization and alternate energy source for Disposal station in Kamoke 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 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				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?	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	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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
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 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							86.5	

Project ID:

01-04-02-01-03

Project Description :

Construction of additional manholes
and provision of dewatering sets for
improvement of storage

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		
					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	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?		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	Has funding been secured/allocated within the Local Government budget or whether the		5	5	Yes	Yes	5
				0	No		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
	external sources of funding have been secured?							
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 f or 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	

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)	The Act establishes the Environmental Protection Agency that deals with the preparation of national environmental policies, prepare & publish national environment report, ensure the enforcement of National Environmental Quality Standards, establishment of ambient air, water and land quality standards, measures to control environmental pollution. Additionally, under this Act, no proponent of a project shall commence construction or operation unless he has filed with the Provincial Agency an initial environmental examination or, where the project is likely to cause an adverse environmental effect, an Environmental Impact Assessment (EIA/ESIA), and has obtained from the approval in respect thereof.	Section 11,12,13 and 14 of PEPA, 2012 shall be applicable to all the new infrastructure projects.
2.	Punjab Environment Protection Review of	Provided that the proponent shall file an Initial Environmental Examination or Environmental	<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

Sr. #	Act	Description	Applicability to sub-project												
	IEE/EIA Regulations 2022	Impact Assessment, if the project is likely to cause an adverse environmental impact	<p>schedule II the EIA of Subproject will be carried out.</p> <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> </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	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													

Sr. #	Act	Description	Applicability to sub-project		
			Schedule II	Water supply, Sewerage System and treatment	F. Water supply, Sewerage System and treatment Water supply schemes and treatment plants (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

Sr. #	Act	Description	Applicability to sub-project
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 • 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	This act is applicable to the gaseous emission that will be released from the vehicles in operation phase

Sr. #	Act	Description	Applicability to sub-project
		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.	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 companies and for determining the amount of compensation to be paid on account of such acquisition”.	This act will not be triggered as no land acquisition is required.
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	The Punjab Antiquities Amendment Act, 2012 is adopted from the Pakistan Antiquities Act of 1975 with a few minor changes. The Antiquities Act, 1975 (amended in 1990) states the following: <ul style="list-style-type: none"> • “Ancient” is any object that is at least 75 years old; 	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"> • 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; • 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	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.

Sr. #	Act	Description	Applicability to sub-project
		months, but which shall not be less than seven days, and a mandatory fine between 10,000 and 50,000 rupees.	
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 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.</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. 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.</p>
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	Policy measures shall be applicable whereas there is any risk of usage or generation of hazardous waste.

Sr. #	Act	Description	Applicability to sub-project
		responsibilities related to HWM, and strengthen the management of hazardous & other wastes.	
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 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	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
		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.	
13	Punjab Local Government Act, 2019	<p>As per PLGA 2019 Functions of a Metropolitan Corporation, Municipal Corporation and Municipal Committee:</p> <p>Part I</p> <p>(g) Solid waste collection and disposal;</p> <p>(h) Sewerage collection and disposal including water management and treatment;</p> <p>(i) Building control and land use;</p> <p>(j) Births, deaths, marriages and divorce registration;</p> <p>(k) Museums and art galleries;</p> <p>(l) Open markets;</p> <p>(m) Livestock and agriculture markets;</p> <p>(n) Public parking facilities;</p> <p>(o) City roads and traffic management;</p> <p>(p) Public transport;</p>	All the related clauses of this Act shall be applicable for MCs.

Sr. #	Act	Description	Applicability to sub-project
		<p>(q) Abstraction of water for industrial and commercial purposes;</p> <p>(r) Emergency planning and relief;</p> <p>(s) Support to provincial agencies in prevention of crime and maintenance of public order; and</p> <p>(t) Regulatory enforcement in the functions assigned under Part 1 and 2 of this Schedule;</p> <p>Part 2</p> <p>(u) Establishment and management of pre-schools;</p> <p>(v) Libraries;</p> <p>(w) Drinking water supply;</p> <p>(x) Public convenances;</p> <p>(z) Children's services;</p> <p>(aa) Community safety;</p> <p>(bb) Arts and recreation;</p> <p>(cc) Public fairs and ceremonies;</p> <p>(dd) Sports;</p> <p>(ee) Environmental health, awareness and services;</p> <p>(ff) Parks and landscape development;</p> <p>(gg) Slaughtering of animals;</p> <p>(hh) Street lights; and</p>	

Sr. #	Act	Description	Applicability to sub-project
		(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 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	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
		consultation is appropriate); and facilitation of involvement (including the poor, women, and NGOs).	
16	Guidelines for Regulation of Disclosure of Environmental Information & Citizen Engagement 2020	<p>These guidelines give details about disclosure of environmental information. These guidelines have 2 parts:</p> <p>First part deals with Public Disclosure instructions regarding arrangement of public disclosure of environment information and maintenance of record in indexed form</p> <p>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	Canal and Drainage Act 1873 and Amendment Act 2016	<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 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</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>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	<p>Punjab EPA has also designed the following Guidelines/Checklists for IEE/EIA Projects:</p> <p>Check List for IEE (updated September 2020)</p> <p>Check List for EIA (updated September 2020)</p> <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 	<p>Checklists for IEE and EIA shall be applicable to all the new infrastructure development projects.</p> <p>Following Guidelines shall be applicable for MC's municipal service delivery projects:</p> <ul style="list-style-type: none"> ✓ Urban Roads ✓ Water Supply ✓ Sanitation Schemes ✓ Major Sewerage Schemes

Sr. #	Act	Description	Applicability to sub-project
		<ul style="list-style-type: none"> ✓ 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 ✓ 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

Sr. #	Project Categories	Type of Sub-projects	Nature of Environmental Issues	Env. Category	Social Category	Instruments Required
	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 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

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

Sr. #	Project Categories	Type of Sub-projects	Nature of Environmental Issues	Env. Category	Social Category	Instruments Required
	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

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: 01-04-05-06-01

Project Description : Construction of New slaughter house

Sr. No.	Description	Unit	Value	Remarks
1	Net Present Value (NPV)	Rs.	38	
2	Financial Internal Rate of Return (FIRR)	%	26%	
3	Benefit Cost Ratio (BCR)	Ratio	6.73	
4	Payback Period	Years	7.75	

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	J=HxI
0	2023-2024	48.00		48				-	(48)	1	(48)
1	2024-2025	87.13		87				-	(87)	0.82	(71)
2	2025-2026		2.18	2	17.43	1.43		19	17	0.67	11
3	2026-2027		2.53	3	20.24	1.66		22	19	0.55	11
4	2027-2028		2.94	3	23.50	1.93		25	22	0.45	10
5	2028-2029		3.41	3	27.28	2.24		30	26	0.37	10
6	2029-2030		3.96	4	31.68	2.60		34	30	0.30	9
7	2030-2031		4.60	5	36.79	3.02		40	35	0.24	9
8	2031-2032		5.34	5	42.72	3.51		46	41	0.20	8
9	2032-2033		6.21	6	49.61	4.07		54	47	0.16	8
10	2033-2034		7.21	7	57.60	4.73		62	55	0.13	7
11	2034-2035		8.37	8	66.89	5.49		72	64	0.11	7
12	2035-2036		9.72	10	77.67	6.37		84	74	0.09	7
13	2036-2037		11.28	11	90.19	7.40		98	86	0.07	6
14	2037-2038		13.10	13	104.73	8.59		113	100	0.06	6
15	2038-2039		15.21	15	121.62	9.98		132	116	0.05	6
16	2039-2040		17.67	18	141.22	11.59		153	135	0.04	5
17	2040-2041		20.51	21	163.98	13.46		177	157	0.03	5
18	2041-2042		23.82	24	190.42	15.63		206	182	0.03	5
19	2042-2043		27.66	28	221.11	18.14		239	212	0.02	5
20	2043-2044		32.12	32	256.76	21.07		278	246	0.02	4
21	2044-2045		37.30	37	298.15	24.47		323	285	0.01	4
22	2045-2046		43.31	43	346.21	28.41		375	331	0.01	4
23	2046-2047		50.29	50	402.02	32.99		435	385	0.01	4
24	2047-2048		58.40	58	466.82	38.31		505	447	0.01	4
25	2048-2049		67.81	68	542.07	44.48		587	519	0.01	3

26	2049-2050			-					-	0.01	-
27	2050-2051			-					-	0.00	-
28	2051-2052			-				-	-	0.00	-
29	2052-2053			-				-	-	0.00	-
30	2053-2054			-				-	-	0.00	-
31	2053-2054			-				-	-	0.00	-
32	2054-2055			-				-	-	0.00	-
33	2055-2056			-				-	-	0.00	-
34	2056-2057			-				-	-	0.00	-
35	2057-2058			-				-	-	0.00	-
36	2058-2059			-				-	-	0.00	-
37	2059-2060			-				-	-	0.00	-
38	2060-2061			-				-	-	0.00	-
39	2061-2062			-				-	-	0.00	-
40	2062-2063			-				-	-	0.00	-
41	2063-2064			-				-	-	0.00	-
42	2064-2065			-				-	-	0.00	-
43	2065-2066			-				-	-	0.00	-
44	2059-2060			-				-	-	0.00	-
45	2060-2061			-				-	-	0.00	-
46	2061-2062			-				-	-	0.00	-
47	2062-2063			-				-	-	0.00	-
48	2063-2064			-				-	-	0.00	-
49	2064-2065			-				-	-	0.00	-
50	2065-2066			-				-	-	0.00	-
Total		135	475	610	3,797	312	-	4,108	3,498		38

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 slaughter house in the form of lower health costs and more productivity. It is estimated that 20% of the investment amount would be the benefit to the society.
- 5 Inflation rate is applied at cost savings and revenue @ 16.12%, which is average inflation of last 5 years.
- 6 Residual Value had been taken as nil.

Estimated Project Life:

- 7 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
Vehicles	10
Machinery & Equipment	15

Macro-economic Indicators

- 8 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.
- 9 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: 01-04-01-06-01

Project Description : Construction of Underground Water Storage Tank

Sr. No.	Description	Unit	Value	Remarks
1	Net Present Value (NPV)	Rs.	(47)	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%
2	Financial Internal Rate of Return (FIRR)	%	21%	FIRR
3	Benefit Cost Ratio (BCR)	Ratio	3.48	BCR= Total Benefits ÷ Total Costs
4	Payback Period	Years	7.75	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	125.00		125				-	(125)	1	(125)
1	2024-2025	250.00		250				-	(250)	0.82	(204)
2	2025-2026	125.00	12.50	138	50.00	1.43		51	(86)	0.67	(58)
3	2026-2027		14.52	15	58.06	1.66		60	45	0.55	25
4	2027-2028		16.85	17	67.42	1.93		69	52	0.45	23
5	2028-2029		19.57	20	78.29	2.24		81	61	0.37	22
6	2029-2030		22.73	23	90.91	2.60		94	71	0.30	21
7	2030-2031		26.39	26	105.56	3.02		109	82	0.24	20
8	2031-2032		30.64	31	122.58	3.51		126	95	0.20	19
9	2032-2033		35.58	36	142.34	4.07		146	111	0.16	18
10	2033-2034		41.32	41	165.28	4.73		170	129	0.13	17
11	2034-2035		47.98	48	191.93	5.49		197	149	0.11	16
12	2035-2036		55.72	56	222.86	6.37		229	174	0.09	15
13	2036-2037		64.70	65	258.79	7.40		266	201	0.07	15
14	2037-2038		75.13	75	300.51	8.59		309	234	0.06	14
15	2038-2039		87.24	87	348.95	9.98		359	272	0.05	13
16	2039-2040		101.30	101	405.20	11.59		417	315	0.04	13
17	2040-2041		117.63	118	470.52	13.46		484	366	0.03	12
18	2041-2042		136.59	137	546.36	15.63		562	425	0.03	11
19	2042-2043		158.61	159	634.44	18.14		653	494	0.02	11
20	2043-2044		184.18	184	736.71	21.07		758	574	0.02	10
21	2044-2045		213.87	214	855.47	24.47		880	666	0.01	10
22	2045-2046		248.34	248	993.37	28.41		1,022	773	0.01	9
23	2046-2047		288.37	288	1,153.50	32.99		1,186	898	0.01	9
24	2047-2048		334.86	335	1,339.44	38.31		1,378	1,043	0.01	8
25	2048-2049		388.84	389	1,555.36	44.48		1,600	1,211	0.01	8
Total		500	2,723	3,223	10,894	312	-	11,205	7,982		(47)

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 slaughter house in the form of lower health costs and more productivity. It is estimated that 20% of the investment amount would be the benefit to the society.
- 5 Inflation rate is applied at cost savings and revenue @ 16.12%, which is average inflation of last 5 years.
- 6 Residual Value had been taken as nil.

Estimated Project Life:

- 7 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
Vehicles	10
Machinery & Equipment	15

Macro-economic Indicators

- 8 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.
- 9 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: 01-04-06-01-01

Project Description : Solarization of the municipal buildings

Sr. No.	Description	Unit	Value	Remarks
1	Net Present Value (NPV)	Rs.	(7)	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%
2	Financial Internal Rate of Return (FIRR)	%	16%	FIRR
3	Benefit Cost Ratio (BCR)	Ratio	2.46	BCR= Total Benefits ÷ Total Costs
4	Payback Period	Years	7.75	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	15.10	0.38	15				-	(15)	1	(15)
1	2024-2025		0.44	0				-	(0)	0.82	(0)
2	2025-2026		0.51	1	-	1.43		1	1	0.67	1
3	2026-2027		0.59	1	-	1.66		2	1	0.55	1
4	2027-2028		0.69	1	-	1.93		2	1	0.45	1
5	2028-2029		0.80	1	-	2.24		2	1	0.37	1
6	2029-2030		0.93	1	-	2.60		3	2	0.30	0
7	2030-2031		1.07	1	-	3.02		3	2	0.24	0
8	2031-2032		1.25	1	-	3.51		4	2	0.20	0
9	2032-2033		1.45	1	-	4.07		4	3	0.16	0
10	2033-2034		1.68	2	-	4.73		5	3	0.13	0
11	2034-2035		1.95	2	-	5.49		5	4	0.11	0
12	2035-2036		2.27	2	-	6.37		6	4	0.09	0
13	2036-2037		2.63	3	-	7.40		7	5	0.07	0
14	2037-2038		3.06	3	-	8.59		9	6	0.06	0
15	2038-2039		3.55	4	-	9.98		10	6	0.05	0
16	2039-2040		4.13	4	-	11.59		12	7	0.04	0
17	2040-2041		4.79	5	-	13.46		13	9	0.03	0
18	2041-2042		5.56	6	-	15.63		16	10	0.03	0
19	2042-2043		6.46	6	-	18.14		18	12	0.02	0
20	2043-2044		7.50	7	-	21.07		21	14	0.02	0
21	2044-2045		8.71	9	-	24.47		24	16	0.01	0
22	2045-2046		10.11	10	-	28.41		28	18	0.01	0
23	2046-2047		11.74	12	-	32.99		33	21	0.01	0
24	2047-2048		13.64	14	-	38.31		38	25	0.01	0
25	2048-2049		15.83	16	-	44.48		44	29	0.01	0
Total		15	112	127	-	312	-	312	185		(7)

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 slaughter house in the form of lower health costs and more productivity. It is estimated that 20% of the investment amount would be the benefit to the society.
- 5 Inflation rate is applied at cost savings and revenue @ 16.12%, which is average inflation of last 5 years.
- 6 Residual Value had been taken as nil.

Estimated Project Life:

- 7 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
Vehicles	10
Machinery & Equipment	15

Macro-economic Indicators

- 8 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.
- 9 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: 01-04-01-01-01

Project Description : Solarization of Tube wells and Water Supply System

Sr. No.	Description	Unit	Value	Remarks
1	Net Present Value (NPV)	Rs.	(148)	
2	Financial Internal Rate of Return (FIRR)	%	-3%	
3	Benefit Cost Ratio (BCR)	Ratio	0.84	
4	Payback Period	Years	7.75	

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	150.00	0.75	151				-	(151)	1	(151)
1	2024-2025		0.87	1				-	(1)	0.82	(1)
2	2025-2026		1.01	1	-	1.43		1	0	0.67	0
3	2026-2027		1.17	1	-	1.66		2	0	0.55	0
4	2027-2028		1.36	1	-	1.93		2	1	0.45	0
5	2028-2029		1.58	2	-	2.24		2	1	0.37	0
6	2029-2030		1.84	2	-	2.60		3	1	0.30	0
7	2030-2031		2.14	2	-	3.02		3	1	0.24	0
8	2031-2032		2.48	2	-	3.51		4	1	0.20	0
9	2032-2033		2.88	3	-	4.07		4	1	0.16	0
10	2033-2034		3.34	3	-	4.73		5	1	0.13	0
11	2034-2035		3.88	4	-	5.49		5	2	0.11	0
12	2035-2036		4.51	5	-	6.37		6	2	0.09	0
13	2036-2037		5.23	5	-	7.40		7	2	0.07	0
14	2037-2038		6.08	6	-	8.59		9	3	0.06	0
15	2038-2039		7.06	7	-	9.98		10	3	0.05	0
16	2039-2040		8.20	8	-	11.59		12	3	0.04	0
17	2040-2041		9.52	10	-	13.46		13	4	0.03	0
18	2041-2042		11.05	11	-	15.63		16	5	0.03	0
19	2042-2043		12.83	13	-	18.14		18	5	0.02	0
20	2043-2044		14.90	15	-	21.07		21	6	0.02	0
21	2044-2045		17.30	17	-	24.47		24	7	0.01	0
22	2045-2046		20.09	20	-	28.41		28	8	0.01	0
23	2046-2047		23.33	23	-	32.99		33	10	0.01	0
24	2047-2048		27.09	27	-	38.31		38	11	0.01	0
Total		150	222	372	-	312	-	312	(60)		(148)

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 slaughter house in the form of lower health costs and more productivity. It is estimated that 20% of the investment amount would be the benefit to the society.
- 5 Inflation rate is applied at cost savings and revenue @ 16.12%, which is average inflation of last 5 years.
- 6 Residual Value had been taken as nil.

Estimated Project Life:

- 7 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
Vehicles	10
Machinery & Equipment	15

Macro-economic Indicators

- 8 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.
- 9 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: 01-04-02-02-01

Project Description : Solarization and alternate energy source for Disposal station in Kamoke city

Sr. No.	Description	Unit	Value	Remarks
1	Net Present Value (NPV)	Rs.	(148)	
2	Financial Internal Rate of Return (FIRR)	%	-3%	
3	Benefit Cost Ratio (BCR)	Ratio	0.84	
4	Payback Period	Years	7.75	

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
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22	2045-2046		20.09	20	-	28.41		28	8	0.01	0
23	2046-2047		23.33	23	-	32.99		33	10	0.01	0
24	2047-2048		27.09	27	-	38.31		38	11	0.01	0
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- 9 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



Consultative Session - Kamoke.pdf

City	Date	Consultant Team	MC Team	
			Designation	Name
Kamoke	From 26-Jan-23 To 27-Jan-23 & 3-Apr-23	Mr. Fiaz	MOF	Present
		Mr. Tayyab	MOI	Mr. Asif
		Mr. Abdullah	PMDFC DPO	Mr. Usman Manzoor
		Mr. Haroon	GIS	Present
		Mr. Safraz	Sub Engineer	2 Present
		Mr. Jawad	PMDFC RPO	Mr. Azeem
			PMDFC Social Officer	Present