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 Kamalia

May 2024

Table of Contents

List of Tables

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 immoveable, at the MC level to elucidate the foundation for the development of IDAMP.

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

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

1.2. Scope

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

1.3. Brief Methodology for IDAMP Development

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

1. Development of Asset Inventory Database

The first step in the IDAMP methodology was to develop a comprehensive asset inventory by PMDFC. This included identifying different asset categories and collecting relevant attribute data. Further, data available at PMDFC and MCs was thoroughly reviewed to ensure accurate and synchronized documentation. This involved cross-referencing and aligning the available data with the requirements of the project. This served as a fundamental basis for integrated asset management.

2. Asset Condition Analysis

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

Category	Asset Condition	Actions Required
A	Excellent	Routine Maintenance
B	Good	Minor Repair
C	Fair	Major Repair
D	Poor	Rehabilitation
E	Failing	Replacement

3. Current and Target Level of Services (LOS)

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

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

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

4. Identification of Projects

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

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

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

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

5. Financial Capacity Analysis

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

6. Project Screening & Phasing

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

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

- Ease of implementation

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

1.4. Technical Inputs, Assumptions and Limitations

- The initial information of existing assets was obtained from PMDFC and MC Kamalia. 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 Kamalia. 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 informaiton was then shared with the MC Kamalia management for their verification and endorsement.
- Age was the primary factor considered for assessing the condition of the water and sewerage network.
- The determination of the current and target level of service has been formulated through a consultative process involving relevant MC staff, and the analysis of data obtained from energy audit reports and gap analysis reports. For the computation of current level of service, following sources were consulted:
    - Served and built-up areas for different sectors were calculated from the relevant sectors' maps;
    - Total population of MC was taken from the census report of Pakistan Beuro of Statistics (PBS) while applying popupation growth rates for the incremental period;
    - Daily water supplied to the distribution system was calculated on the basis of capacity of tubewell and average daily operational hours of tubewell;
    - Non revenue water was computed by considering actual revenue collected by MC and total connections in the served area;

- Total number of pipe leakages of the water distribution network was computed on the basis of number of complaints received by MC. It was assumed that one complaint represented one pipe leakage;
- Total number of sewerage blockages was computed on the basis of number of complaints received by MC. It was assumed that one complaint represented one sewerage blockage; and
- The total annual operating expenses for each sector were determined based on the expenditure report provided by the MC staff, which covered nine (9) months' worth of data. To obtain the annual operating expenses, an extrapolation method was used to estimate the remaining three (3) months' expenditures.

- Target level of services were determined considering the findings from condition assessment, findings of energy audit reports, findings from gap analysis reports, consultative sessions with MC management and community.
- PMDFC has actively engaged in community consultative sessions to gather valuable insights into the needs and desires of the local community. Furthermore, we have made it a priority to consult with the management and staff of the respective Municipal Committees (MCs) during our field visits. This collaborative approach has allowed us to gain valuable perspectives from those directly involved in the day-to-day operations of the MCs and the feedback and insights gathered from these consultative sessions, both with the community and MC stakeholders, have been carefully analyzed and incorporated into the IDAMPs of the respective MCs.
- Projects (repair/ rehabilitation/ new creation) were identified in consultation with the respective Asset Managers keeping in view the service delivery gaps.
- Rrough cost estimates (Capital and Operational & Maintenance) was performed on the basis of Market Rating System (MRS) and Non MRS rates of items.
- Identified projects were evaluated on the basis of project screening and phasing criteria prescribed in the IDAMP Framework.
- The book values of the MC assets have been provided by PMDFC staff.

02 Overview – Municipal Committee Kamalia

Section 2. Overview – Municipal Committee Kamalia

2.1. Introduction

Kamalia is a town in the district Tobe Tek Singh. It is situated 27 miles west of Sahiwal, and 14 miles from Chichawatni station on the North-Western Railway.[1] The historical city of Kamalia is situated at the bank of river Ravi. The history discloses that the town was established prior to the times of Alexander the great. Preliminary it was named as Kot Kamal in the honour of the most prominent personality Kamal Khan who was the head of the Lakhera Kalan of Kharals.

2.2. Functions of Municipal Committee Kamalia

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
- street lighting
- parks, playgrounds, open spaces
- parking stands

[1] https://mckamalia.lgpunjab.org.pk/about-us/history/

- 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 Kamalia 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 Kamalia based on its' functions is presented below:

Table 1: Asset Summary

Sr No.	Asset Category	Asset Sub-Category	Unit	Total
1	Water Supply System	Tube wells	No.	15
		Water Supply Network	Meter	441,277
		OHR	No.	3
		Movable Assets (Vehicles/Machinery)	No.	1
2	Sewerage System	Sewerage Network	Meter	74,740
		Disposal Stations	No.	3
		Movable Assets (Vehicles/Machinery)	No.	13
3	Recreational	Park	No.	5
4	SWM Resource	Dumping Site	No.	1
		Movable Assets (Vehicles/Machinery)	No.	167
5	Bus Stands	Bus Stand	No.	1
6	Buildings	Offices	No.	1
		Residential Buildings	No.	3
		Other Buildings	No.	3

Sr No.	Asset Category	Asset Sub-Category	Unit	Total
7	Public Places	Slaughter Houses	No.	1
8	Shops	Shops	No.	119
9	Land	Open Plots	No.	2
10	Office Vehicles	Office Vehicles	No.	1
11	Street Lights	Street Lights	No.	992
12	Roads	Roads	KMs.	14.87

3.2. Condition of Existing Assets

The condition of assets of MC is presented below:

Table 2: Condition of Existing Assets

Sr No.	Asset Category	Asset Sub-Category	Asset Condition					Unit	Total
			Excellent (A)	Good (B)	Fair (C)	Poor (D)	Failing (E)		
1	Water Supply System	Tube wells	-	9	5	-	1	No.	15
		Water Supply Network	182381	-	258896	-	-	Meter	441,277
		OHR	1	-	2	-	-	No.	3
		Movable Assets (Vehicles/Machinery)	-	-	1	-	-	No.	1
2	Sewerage System	Sewerage Network	410	-	-	-	74330	Meter	74,740
		Disposal Stations	-	1	2	-	-	No.	3
		Movable Assets (Vehicles/Machinery)	-	5	8	-	-	No.	13
3	Recreational	Park	-	1	3	1	-	No.	5

Sr No.	Asset Category	Asset Sub-Category	Asset Condition					Unit	Total
			Excellent (A)	Good (B)	Fair (C)	Poor (D)	Failing (E)		
4	SWM Resource	Dumping Site	-	-	-	1	-	No.	1
		Movable Assets (Vehicles/Machinery)	161	-	6	-	-	No.	167
5	Bus Stands	Bus Stand	1	-	-	-	-	No.	1
6	Buildings	Offices	-	-	1	-	-	No.	1
		Residential Buildings	-	-	3	-	-	No.	3
		Other Buildings	-	-	1	1	1	No.	3
7	Public Places	Slaughter Houses	-	-	1	-	-	No.	1
8	Shops	Shops	-	119	-	-	-	No.	119
9	Land	Open Plots	-	-	2	-	-	No.	2
10	Office Vehicles	Office Vehicles	-	-	1	-	-	No.	1
11	Street Lights	Street Lights	314	-	-	-	678	No.	992
12	Roads	Roads	4.75	2.67	2.97	4.46	-	KMs.	14.87

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 levek of service are carried out.

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

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

Table 3: Current & Target LOS

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS for three years	Project Name	Timeframe (FY)
Water supply and control and development of water sources;	Water Supply Coverage by MC %	Percentage of area, where water supply network is available in comparison to total built up area.	55%	70%	Improvement & Rehabilitation of Water Supply system in Kamalia City	2023-2024
	Water Supply Coverage by private wells %	Percentage of area, where residents have own water sources.	45%	30%		
	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.	20	23.2		
	Non-revenue water %	Difference between total water produced (ex - treatment plant) and total water sold expressed as a percentage of total water produced.	62%	62%		
	Pipe breaks (Leakages/Breaks /Km)	Total number of pipe leakages/breaks per year expressed per km of the water distribution network.	N/A	Reduction in leakages	Improvement & Rehabilitation of Water Supply system in Kamalia City	2023-2024

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS for three years	Project Name	Timeframe (FY)
	Unit operational cost - water sold (production cost at consumer end) (PKR)	Total annual operating expenses divided by the total annual volume of water sold.	0.02	0.017	Solarization of Tube wells and Water Supply System	2023-2024
	Unit operational cost - water produced (gross production cost) (PKR)	Total annual operating expenses divided by the total annual water produced.	0.01	0.01		
	Water supply staff per 1000 water connections (No.)	Total number of water supply staff expressed as per thousand water connections.	1.0	1.0		
	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.	15%	15%		
	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.	77%	65%	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 & Rehabilitation of Water Supply system in Kamalia City	2023-2024
	Continuity of Service Hrs. / Day	Average hours of service per day for water supply. (Average operational hours of tubewell per day)	6	6		
	Water Supply Complaints %	Total number of water supply complaints per year expressed as a percentage of the total number of water supply connections.	N/A	Reduction in complaints		
	Operational cost coverage (Ratio)	Total annual operational revenues/Total annual operating cost.	27%	31%	Solarization of Tube wells and Water Supply System	2023-2024

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS for three years	Project Name	Timeframe (FY)
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)	34%	34%		
	Risk of crown failure	Whether there is an indication of crown failure?	Yes	No	Improvement of Existing Sewerage System and Disposal Stations for Kamalia City	2023-2026
	Sewerage blockages (Blockages/KM)	Total number of blockages/ complaints per year expressed per km of sewers	2	1.20		
	Sewerage staff per 1000 sewerage connections (No.)	Total number of sewerage staff expressed as per thousand sewerage connections	0.87	0.87		
	Waste water 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		
	Waste water 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.	6%	Reduction in complaints		
Storm water drainage;	Storm water drainage coverage (%)	The percentage of MC area that the drainage system protects from flooding.	34%	34%		
Sanitation and solid waste collection and disposal of solid wastes, treatment	Collection efficiency (%)	Total amount of solid waste collected expressed as a percentage of total solid waste produced.	55%	55%		

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS for three years	Project Name	Timeframe (FY)
and disposal including landfill site and recycling plants;	Disposal efficiency (%)	Total amount of solid waste disposed off expressed as a percentage of total solid waste collected.	100%	100%		
	Door-to-door (%)	Percentage of area with door-to-door solid waste collection.	0%	0%		
	Primary SWM Coverage each day in localities (%)	Percentage of area from which the sanitary staff sweeps & collects waste each day	55%	55%		
	Primary SWM Coverage each day in Roads (%)	Primary SWM Coverage each day in Roads	55%	55%		
	Open Collection Points (No.)	Open Collection Points	61	61		
	Secondary collection machinery (No.)	Secondary collection machinery	5	5		
	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	No	No		
	Sufficiency of existing dumping area (Landfill site).	Sufficiency of existing dumping area (Landfill site).	Yes	Yes		
	Mechanism for Final Disposal	Mechanism for Final Disposal	No (Land fill Site)	No (Land fill Site)		
Roads and streets;	Roads with condition "A" (Excellent) %	Total length of roads with condition “A” expressed as a percentage of total roads.	32%	32%	Improvement and Rehabilitation of Roads and Chowks in Kamalia City	2023-2024
	Roads with condition "B" (Good) %	Total length of roads with condition “B” expressed as a percentage of total roads.	18%	33%		
	Roads with condition "C" (Fair) %	Total length of roads with condition “C” expressed as a percentage of total roads.	20%	20%		
	Roads with condition "D" (Poor) %	Total length of roads with condition “D” expressed as a percentage of total roads.	30%	15%		

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS for three years	Project Name	Timeframe (FY)
	Roads with condition "E" (Failing) %	Total length of roads with condition “F” expressed as a percentage of total roads.	0%	0%		
Streetlighting;	Streetlight coverage. (%)	Percentage of area/roads with streetlights.	32.9%	32.9%		
	Working Streetlight %	Percentage of working streetlights as of total streetlights.	11%	63%	Replacement of LEDs	2025-2026
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%	Improvement and Rehabilitation of Parks in Kamalia City	2025-2026
	Parks with condition "B" (Good) %	Parks with condition “B” expressed as a percentage of total parks.	20%	40%		
	Parks with condition "C" (Fair) %	Parks with condition “C” expressed as a percentage of total parks.	60%	60%		
	Parks with condition "D" (Poor) %	Parks with condition “D” expressed as a percentage of total parks.	20%	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. %	0.3%	0.3%		
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%		

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS for three years	Project 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	`1:50	`2:50	Construction of General Bus Stand (GSB) in Kamalia City	2023-2025
	Adequacy of facilities at bus stands	Adequacy of facilities at bus stands	No	Yes		
Slaughterhouses;	Adequacy of slaughterhouses	Adequacy of slaughterhouses keeping in view the population of the MC	Yes	Yes		
	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	Rehabilitation of slaughter house	2025-2026
Municipal libraries;	Total number of Libraries per 100,000 persons	Total number of Libraries per 100,000 persons	NIL	NIL		
	Adequacy of facilities in library	Adequacy of facilities in library in terms of books, computers, furniture, air-conditioning, lighting, drinking water etc.	N/A	N/A		

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS for three years	Project 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.	0%	0%		
	Buildings with condition "B" (Good) %	Total number of buildings with condition “B” expressed as a percentage of total number of buildings.	0%	0%		
	Buildings with condition "C" (Fair) %	Total number of buildings with condition “C” expressed as a percentage of total number of buildings.	71%	71%		
	Buildings with condition "D" (Poor) %	Total number of buildings with condition “D” expressed as a percentage of total number of buildings.	14%	14%		
	Buildings with condition "E" (Failing) %	Total number of buildings with condition “E” expressed as a percentage of total number of buildings.	14%	14%		
	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 municipal buildings	2023-2024

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 Okara such as metered water connections, firefighting coverage etc.

- For certain service levels, the existing level of service is sustained during the term of IDAMP i.e. three years, despite the recognized need for enhancements. This circumstance arises due to various factors, including but not limited to funding constraints, the reluctance of asset owners to initiate required modifications and the lack of suitable land availability. Nevertheless, it is crucial to emphasize that the preparation and revision of the IDAMP is an ongoing process. As a result, the target level of service in these areas may be redefined in the future, facilitating the implementation of potential improvements.
- The calculation of daily water supplied to the distribution system has considered the capacity of tubewells, in combination with the average hours of service per day for water supply.
- In order to reduce the reduction in non-revenue water, certain initiatives are required such as capacity building for MC staff, the installation of water meters, tariff revisions, regulatory reforms, among other measures. It's important to note that the percentage of non-revenue water may not necessarily improve solely with an increase in water production.
- As regards to landfilling, developing regional landfill sites, rather than smaller units for each city, would be advisable.

05 IDAMP Projects

Section 5. IDAMP Projects

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

Table 4: IDAMP Projects

Sr. No.	Project ID	Project Name	Asset Category	Total Capital Cost	2023-24		2024-25		2025-26		Project Screening (Score)
					Capital	O&M	Capital	O&M	Capital	O&M	
				(Millions)							
1	02-10-01-02-01	Improvement & Rehabilitation of Water Supply system in Kamalia City	Water Supply	50.00	50.00	2.50	-	2.50	-	2.50	87
2	02-10-01-06-01	Construction of Underground Water Storage Tank	Water Supply	600.00	150.00	-	300.00		150.00	15.00	87
3	02-10-05-01-01	Improvement and Rehabilitation of Parks in Kamalia City	Parks	50.00	-	-	-	-	50.00	1.25	61
4	02-10-04-03-01	Replacement of LEDs	Streetlights	25.25	-	-	-	-	25.25	0.63	59

Sr. No.	Project ID	Project Name	Asset Category	Total Capital Cost	2023-24		2024-25		2025-26		Project Screening (Score)
					Capital	O&M	Capital	O&M	Capital	O&M	
				(Millions)							
5	02-10-05-04-01	Construction of General Bus Stand (GSB) in Kamalia City	Bus Stand	112.98	-	-	112.98	2.82	-	2.82	85
6	02-10-05-06-01	Rehabilitation of slaughter house	Slaughter House	54.45	-	-	-	-	54.45	1.36	62
7	02-10-05-06-01	Provision of equipment and Machinery for Improvement of SWM	SWM	185.4	185.4		185.4	-	-	-	80
8	02-10-06-01-01	Solarization of municipal buildings	Buildings	50.00	50.00	0.25	-	0.25	-	0.25	85
9	02-10-01-01-01	Solarization of Tube wells and Water Supply System	Water supply	150.00	150.00	0.75	-	0.75	-	0.75	85
10	02-10-04-01-01	Improvement and Rehabilitation of Chowks in Kamalia City	Roads	93.37	93.37	4.67	-	4.67	-	4.67	80
11	02-10-04-01-03	Rehabilitation of existing roads with tuff pavers in Kamalia	Roads	55.57	55.57	2.78	-	2.78	-	2.78	80

Sr. No.	Project ID	Project Name	Asset Category	Total Capital Cost	2023-24		2024-25		2025-26		Project Screening (Score)
					Capital	O&M	Capital	O&M	Capital	O&M	
				(Millions)							
12	02-10-02-01-01	Improvement of sewerage system and construction of waste water treatment plant (WWTP) Kamalia city	Sewerage	1,592.52	796.26	-	796.26	39.81	-	39.81	90
13	02-10-03-03-01	SWM Vehicle Parking Shed	Solid Waste Management System	42.5	42.5	2.0		2.0		2.0	80
14	02-10-01-01-02	Energy Management Plan	Water Supply	1.94	1.94	0		0		0	80
15	02-10-02-01-02	Procurement of machinery for disaster management	Sewerage	42.0	42.0	3.0		3.0		3.0	85
Total.				**3,105.98**	**1,617.04**	**15.95**	**1,394.64**	**58.58**	**279.7**	**76.82**	

5.1. Detail of proposed projects:

The following section provides high-level particulars of the identified projects, serving as a point of reference for creating planning documents and PC forms[2]:

Table 5: Projects Detail

Sr. No.	Project ID	Project Name	Service Sector	Project Objectives	Project Scope	Capital Cost (PKR million)	Recurrent Annual O&M Cost (PKR million)	Project Location
1	02-10-01-02-01	Improvement & Rehabilitation of Water Supply system in Kamalia City	Water Supply	1) Rehabilitation of the components of existing water supply system to attain full efficiency out of these installations. 2) Supply of adequate quantity of water in water shortage areas. 3) Improvement of service delivery level in the entire city. 4) Augmentation of the source capacity 5) Equal distribution of water in the entire system 6) Improvement of terminal pressure at remote ends of the distribution system 7) Reduction of water borne diseases. 8) Improvement in local and province economy.	Replacement of 6 pumpsets Installation of capacitors	50	2.5	Kamalia City

[2] https://www.pc.gov.pk/web/downloads/pc

Sr. No.	Project ID	Project Name	Service Sector	Project Objectives	Project Scope	Capital Cost (PKR million)	Recurrent Annual O&M Cost (PKR million)	Project Location
2	02-10-01-06-01	Construction of Underground Water Storage Tank	Water Supply	The main objectives are - To supply safe drinking water ub sufficient quantity at doorsteps of consumers with reasonable cost - To encourging personal hygiene anad household cleanliness of users - Reduction of water borne diseases - Reduction in medical expenditures - Improvement in environment of the city	Design and Engineering Site Preparation Excavation and Earthwork Foundation Works Masonary Works Coation and Insulation Piping and Connection Concrete Works	600	15	Kamalia City
3	02-10-05-01-01	Improvement and Rehabilitation of Parks in Kamalia City	Parks	The project has the following objectives 1. To reduce urban heat island effect. 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.	Both these parks require, -Boundary wall with iron grill • Entrance gates • Tuff tile pathways • Jogging track • Rainwater recharge well • Playing area for children • Grassing and flower beds • Water supply & drainage system	50	1.25	Kamalia City

Sr. No.	Project ID	Project Name	Service Sector	Project Objectives	Project Scope	Capital Cost (PKR million)	Recurrent Annual O&M Cost (PKR million)	Project Location
4	02-10-04-03-01	Replacement of LEDs	Streetlights	Enhance public safety and security by providing adequate lighting. Improve visibility for motorists and pedestrians. Increase the overall quality of street lighting. Reduce energy consumption and operating costs. Promote energy efficiency and sustainability. Improve the aesthetics of the area. Enhance the functionality of the street lighting system. Improve reliability and reduce maintenance downtime. Ensure compliance with regulatory requirements. Increase the lifespan of the street lighting system.	MC Kamalia requires repair and replacement of street light on the under mentioned main roads of the city 1. Chichawatni Road THQ to Railway Crossing 2. Main Rajana road Mandi Mor to Railway Station 3. Hospital Dr. Naeem to Iqbal Bazar 4. Stop No.3 Fazil Dewan, 5. Mohallah Behlol Wala, to Nia Bazar 6. Office MC to Markazi Imam Bargah, 7. City top Hotel to Railway Station 8. Mohallah Ghazi Abad 9. Eid Gah to Christian Colony, Katchi Basti 10. Bhussi Road 11. Zeshan Colony 12. Sadar Bazar, Iqbal Bazar 13. Mohallah Baghaiwala 14. Mohallah Sheikhanwala 15. Mohallah Charh	25.25	0.63125	Kamalia City

Sr. No.	Project ID	Project Name	Service Sector	Project Objectives	Project Scope	Capital Cost (PKR million)	Recurrent Annual O&M Cost (PKR million)	Project Location
5	02-10-05-04-01	Construction of General Bus Stand (GSB) in Kamalia City	Bus Stand	The Project has the following objectives; 1. Provision of disciplined travelling facilities to the people. 2. Provision of waiting facilities for the travelers in the form of respectable sitting, ablution & prayer, drinking water, toilets, shopping and ticketing. 3. Provision of car parking facilities to the public, 4. Rickshaw stand facilities 5. Revenue generation from shops and parking lot 6. Improvement in the air pollution in city area due to parking and waiting by the buses 7. Reduction in the traffic congestion created by buses at various locations of the city 8. Effective protection of the buses against the solar radiation and Ultraviolet rays, rain, hail, wind, and dust. 9. Slowing down the deterioration of buses, therefore reducing the amount of maintenance. 10. Improvement in the economic growth potential of the city.	1. Bus Stand Require the following components • Waiting hall • Ticketing booths • Toilets • Ablution place • Prayer place • Tuck shop • Drinking water facilities • Parking sheds for buses 2. Workshop 3. Bus departure sheds 4. Car parking lot 5. Rickshaw stand 6. Shops 7. Water supply and drainage/sewerage facilities 8. Boundary wall and gates 9. Illumination & electrification	112.975	2.824375	Chicha Watni Road, Kamalia
6	02-10-05-06-01	Rehabilitation of slaughter house	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.	• Boundary wall and gate • Doctor's room • Slaughtering hall • Evisceration hall • Meet cutting room • Blood collection arrangements • Water supply systems • Skin storage room	54.45	1.36125	Klasan, Kamalia City

Sr. No.	Project ID	Project Name	Service Sector	Project Objectives	Project Scope	Capital Cost (PKR million)	Recurrent Annual O&M Cost (PKR million)	Project Location
				Minimize the impact on the environment. Ensure compliance with regulatory requirements. Improve working conditions for employees. Improve the overall performance of the slaughterhouse.	• Waste water disposal system • Solid waste collection and disposal system • Health and Hygiene SOPs • Separate Facility for Sick Animals • Tools Disinfectant System			
7	02-10-05-06-01	Provision of equipment and Machinery for Improvement of SWM		Purchaise Of Machinery a) Garbage Compactor 8 cubic meter capacity b) Mini Tipper 1 cubic meter c) Water Truck Spray system d) Mobile Workshop (Suzuki) e) Dump Truck 10 Cubic meter f) Garbage Containers 0.8 cm3 g) Hand Cart Tipping Trolley h) Mini jetting Machine 2000 Liters i) Sewer Jetting Machine 4500 liters j) Sewer Suction Machine 4500 liters k) Hydraulic Aerial Platform(Superstructure) l) Excavator	Provision of equipment and Machinery for Improvement of SWM	185.4		
8	02-10-06-01-01	Solarization of municipal buildings	Buildings	The primary objectives of solarization are as follows: a) Enhance Sustainability: By generating clean and renewable energy, the project can reduce its environmental impact and contribute to sustainable development. b) Reduce Carbon Footprint: Solar PV systems produce electricity with zero greenhouse gas emissions, helping to mitigate climate change and improve air quality.	Solarization of the municipal buildings based on the site load and installation capacity assessment	50	0.25	Kamalia City

Sr. No.	Project ID	Project Name	Service Sector	Project Objectives	Project Scope	Capital Cost (PKR million)	Recurrent Annual O&M Cost (PKR million)	Project Location
				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.				
09	02-10-01-01-01	Solarization of Tube wells and Water Supply System	Water supply	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	Kamalia City

Sr. No.	Project ID	Project Name	Service Sector	Project Objectives	Project Scope	Capital Cost (PKR million)	Recurrent Annual O&M Cost (PKR million)	Project Location
10	02-10-04-01-01	Improvement and Rehabilitation of Chowks in Kamalia City	Roads	1.Landscaping: Planting trees, shrubs, and flowers to create greenery and add color to the chowks. This could include designing flower beds, creating vertical gardens on walls, and using natural elements such as rocks and boulders to create a natural landscape. 2.Street furniture: Installing benches, streetlights, and other outdoor furniture to create a comfortable and inviting environment for people to sit, relax, and enjoy the surroundings. 3.Art installations: Commissioning artists to create public art installations such as sculptures, murals, and mosaics to add a creative and unique touch to the chowks.	Geometric Improvement of intersection, Channelization of traffic flow, Rehabilitation of Existing Pavement Structure, Pavement Marking, Street Lighting, Aesthetic improvement of chowk	93.37	4.6685	1. Main Kalma Chowk 2. Jhakkar More Chowk 3. Eid Gah Chowk
11	02-10-04-01-03	Rehabilitation of existing roads with tuff pavers in Kamalia	Roads	The Project has the following objectives; a) Improvement of service delivery level of the municipal services in the sector of communication. b) Better travelling facilities for the commuters. c) Reduction in road accidents. d) Saving in travelling and repair cost of the vehicles. e) Reduction in annual maintenance charges of roads. f) Improvement in environment of the city making it livable. g) Improvement in local and province economy. h) Improvement in the economic growth potential of the city.	1. Rehabilitation of Existing Pavement Structure 2. Pavement Marking 3. Improvement of drainage system 4. Street Light	55.57	2.779	Kamalia City

Sr. No.	Project ID	Project Name	Service Sector	Project Objectives	Project Scope	Capital Cost (PKR million)	Recurrent Annual O&M Cost (PKR million)	Project Location
12	02-10-02-01-01	Improvement of sewerage system and construction of waste water treatment plant (WWTP) Kamalia city	Sewerage	The objectives include: a) Provision of efficient and effective municipality services to the masses. b) Improvement of existing sewerage system in Kamalia City. c) The new system is proposed to reduce in annual O&M cost of the infrastructure due to reduced repairs in the forthcoming years because of repair or replacement of infrastructurecomponents. d) To improve existing environmental conditions by provision of wastewater treatment facilities in Kamalia City.	Improvement of the service delivery by replacement and laying of trunk sewer according to need base and topographic conditions	1592.52	39.813	Kamalia City

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

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

1. Sewerage Operations and Maintenance

- **Preventive Maintenance**: Regular inspection, cleaning, and repair of sewer lines, manholes, and treatment facilities to prevent blockages and ensure uninterrupted flow.

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

2. Water Supply Operations and Maintenance

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

3. Solid Waste Machinery Operations and Maintenance

- **Equipment Servicing**: Routine servicing and lubrication of solid waste machinery, including compactors, shredders, and sorting equipment, to optimize performance and reduce downtime.
- **Waste Collection Fleet Management**: Maintenance and repair of waste collection vehicles to ensure reliable and efficient solid waste collection services.

- **Landfill Management**: Regular monitoring and maintenance of landfill sites to mitigate environmental impacts and ensure compliance with waste disposal regulations.
- **Recycling Infrastructure Maintenance**: Inspection and upkeep of recycling facilities and equipment to support sustainable waste management practices.
- **Budget Allocations**: O&M expenses related to solid waste management are calculated based on IDAMP guidelines, with a comprehensive breakdown provided in Annexure G,H &I..

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

06 Financial and Economic Analysis

Section 6. Financial and Economic Analysis

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

1.1. Qualitative Assessment

The qualitative benefits of the proposed projects are as under:

(i) **The benefits of municipal project – Engines of Growth:** Among other benefits, municipal projects generate employment opportunities and create a positive impact on the standard of living. Few projects proposed under IDAMP are mega projects which would create their own economy, boast manufacturing & trading, create need for commerce value chain.

(ii) **Environmental Up-gradation:** Development of wastewater treatment plant would provide primary and secondary treatment, thereby have a positive bearing on environment. Further, all projects will especially focus environmental considerations during construction and operational phases. Further green areas, trees and plantations will provide not only refreshing view but will enhance the environmental conditions and help climate stabilization.

(iii) **Employment Opportunities:** The Project is likely to create employment opportunities for over 1,000 people during construction and about 500 people at operational stage in addition to indirect employment generation.

(iv) **Improvement in Service Delivery of Water Supply:** Replacement of water supply system would improve the water quality for the target population, thus will help to improve public health index.

(v) **Provision of Parking Facility for Solid Waste Management Vehicles:** The biggest problem of the solid waste machinery is non-availability of parking, which would have the bearing on the useful life of vehicles, as sheds would provide effective protection to the vehicles against the solar radiation and ultraviolet rays, rain, hail, wind, and dust, thereby slowing down the deterioration of vehicles and reducing the cost of maintenance.

(vi) **Rehabilitation of Parks - Creation of Social Hub in the Locality:** These projects will provide a recreational facility to the residents of the catchment area of respective parks thus improve the visitors count of the parks and create social harmony and extended connectivity in the people.

(vii) **Saving in Fuel Consumption and Improved Connectivity -** Rehabilitation of roads infrastructure would not only improve the service delivery level of the municipal services but also result in few road accidents, potential savings in travelling and repair cost of the vehicles, reduction in annual maintenance charges of roads and parks. Moreover, better lit roads and streets would add to security of people travelling at night.

(viii) **Generation of Business Opportunities:** Projects will open new corridors for small- and large-scale businesses right from the construction phase and onwards throughout the life of the Project.

(ix) **Revenue Generation:** Local government is estimated to generate direct and indirect revenue from the projects.

1.2. Quantitative Assessment of the Project

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

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

(i) **Net Present Value (NPV)** of the projects is calculated which represents in present value terms the net benefit that accrues from the Project after meeting its capital cost requirements as well as the cost of operations and other expenditures.

(ii) **Financial Internal rate of return (FIRR)** of the projects is calculated While representing an average return and its comparison with the required rate of return, which is taken as KIBOR rate

(iii) **Payback period** of the Project is estimated duly incorporating construction and operational period over the useful life of asset.

(iv) **Cost benefit analysis** of the projects is made to determine the ratio of cumulative benefits versus cumulative cost of each project over its useful life.

1.3. Annual Financial Projections

The annual financial projection of Municipal Committee Kamalia is given below.

Table 6: Financial Projections

All amount in PKR Million

Year	2023-24		2024-25		2025-26	
Category	**Total Capital**	**Total O&M**	**Total Capital**	**Total O&M**	**Total Capital**	**Total O&M**
Water Supply	350.00	3.25	300.00	3.25	150.00	18.25
Sewerage	1,446.26	-	1,446.26	72.31	-	72.31
Parks	-	-	-	-	50.00	1.25
Streetlights	-	-	-	-	25.25	0.63
Bus Stand	113.03	2.83	112.98	5.65	-	5.65
Slaughter House	-	-	-	-	54.45	1.36
Buildings	50.00	0.25	-	0.25	-	0.25
Roads	204.51	10.23	-	10.23	-	10.23
Total	**2,163.80**	**16.55**	**1,859.24**	**91.69**	**279.70**	**109.93**

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.

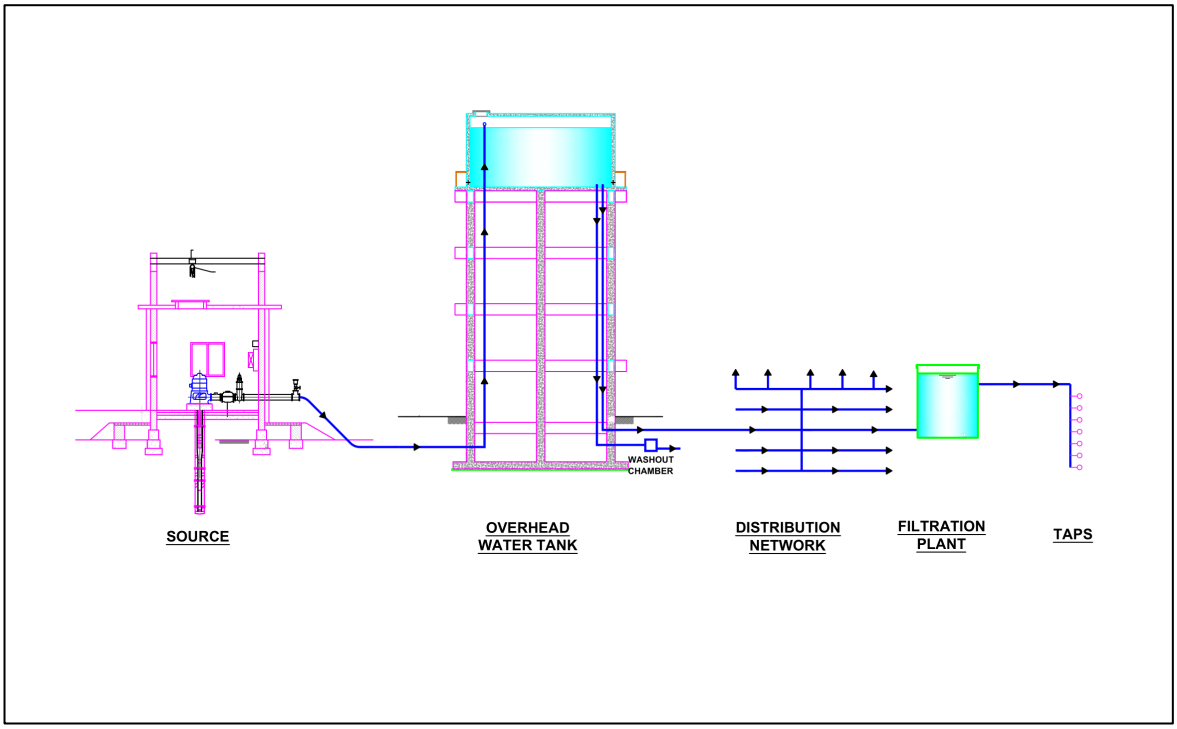
Operating and maintenance (O&M) cost shall be incurred during operational phases of the project. Operation and maintenance cost includes electricity and other utility cost, administrative expenses, maintenance cost, payroll cost and other overheads etc.

Annexure

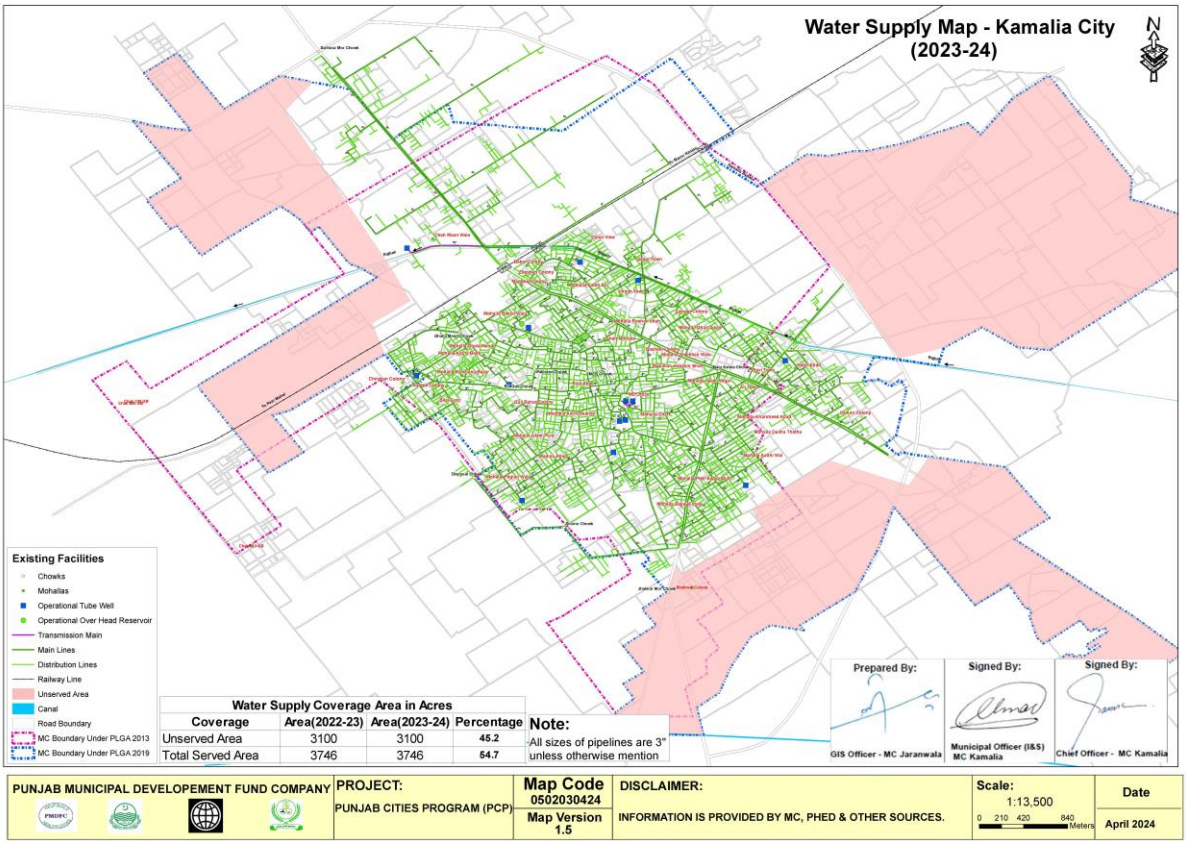
Annexure A. Detail of Assets

1. Water Supply:

Key Components of a Water Supply System



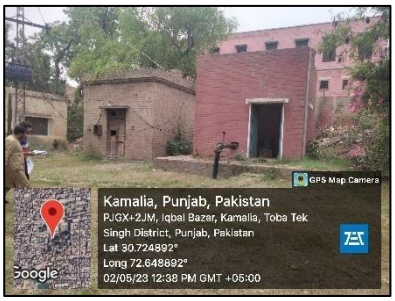
Map of a Water Supply System

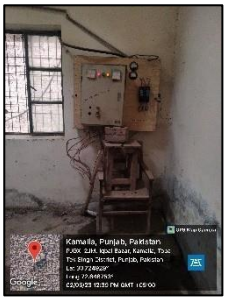

Water Supply Map - Kamalia City
(2023-24)
N
Existing Facilities
Chowks
Mohallas
Operational Tube Well
Operational Over Head Reservoir
Transmission Main
Main Lines
Distribution Lines
Railway Line
Unserved Area
Canal
Road Boundary
MC Boundary Under PLGA 2013
MC Boundary Under PLGA 2019
Water Supply Coverage Area in Acres
Coverage | Area(2022-23) | Area(2023-24) | Percentage
Unserved Area | 3100 | 3100 | 45.2
Total Served Area | 3746 | 3746 | 54.7
Note:
All sizes of pipelines are 3" unless otherwise mention
Prepared By:
GIS Officer - MC Jaranwala
Signed By:
Municipal Officer (I&S) MC Kamalia
Signed By:
Chief Officer - MC Kamalia
PUNJAB MUNICIPAL DEVELOPEMENT FUND COMPANY
PROJECT:
PUNJAB CITIES PROGRAM (PCP)
Map Code
0502030424
Map Version
1.5
DISCLAIMER:
INFORMATION IS PROVIDED BY MC, PHED & OTHER SOURCES.
Scale:
1:13,500
0 210 420 840 Meters
Date
April 2024

A. Tube well

Sr #	Name	Age (Years)		Discharge Capacity (Cusecs)	Motor hp	Pump Make	Motor Make	Condition	Status	Book Value (PKR Mil)
		Civil Structure	Pump							
1	Ravi Town	9	9	2	80	KSB	Siemens	Good	Functional	0.9
2	Malkan Wali Chungi	9	9	2	80	KSB	Siemens	Good	Functional	1.017
3	Jhand Shah	14	14	1	50	Flow Pak	Siemens	Fair	Functional	0.63
4	Bhalla Chowk	9	9	2	80	KSB	Siemens	Good	Functional	1.999
5	Islam Pura Chungi No. 6 (Madinabad)	9	9	2	80	KSB	Siemens	Good	Functional	1.08
6	Muhalla Fazal Deewan (Allah Wali Masjid)	9	9	2	80	KSB	Siemens	Good	Functional	1.08
7	Oulma Thatha	9	9	2	80	KSB	Siemens	Good	Functional	1.089
8	Fazal Dewan #2	9	9	2	80	KSB	Siemens	Good	Functional	1.17
9	Fazal Dewaan #1	19	19	1	50	Haseeb Waqas Engineering	Siemens	Fair	Functional	0.315
10	Slaughter House	2	2	2	50	KSB	Siemens	Good	Functional	13.5
11	Zeeshan Colony OHR	15	15	1	50	Flow Pak	Siemens	Fair	Functional	0.612
12	Bahlol Wala	9	9	2	80	KSB	Siemens	Good	Functional	1.08
13	Mc Office #2	50	13	1	50	Haseeb Waqas Engineering	Siemens	Fair	Functional	0.36
14	Mc Office #1	23	23	0.5	30	KSB	Siemens	Fair	Functional	0.207
15	Zeeshan Colony	15	15	No Pump Set					Abandoned	-

Integrated Development and Asset Management Plan (IDAMP)				
Muncipal Committee Kamalia				
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**
Asset Detail				**Pictures**
Name		MC Office # 2		
Location	**Latitude**	30.724892		
	Longitude	72.648892		
Address		Iqbal Bazar, Kamalia		
Area (Marla)		1 Marla		
Working Status		Functional	Non- Functional	
Installation Year of Tube Well		1973		
Installation Year of Pump		13		
Capital Cost of Machinery		Not Available		
Operational Hours		6		
Delivery Pipe	**Dia**	8 inches		
	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		Haseeb Waqas Engineering		
Discharge Capacity (Cusec)		1		
Rotational Speed (RPM)		1475		
Housing Dia (inches)		12		
Bore Depth (ft.)		500		
Head (ft.)		250		
Impeller Installation Depth (ft.)		100		
Paint of Pumping Unit		Poor		
Number of Valves	**Gate Valve**	1		
	Non-Returning Valve	1		
Base Plate		Yes	No	
Electro-Mechanical Equipment Details				
Transformer Capacity (kVA)		100		
Sanctioned Load (Kwh)		38		
Motor Power (HP)		50		
Motor Make		Siemens		
MCU		Yes	No	
Earthing of Motor		Yes	No	
Power Wiring		Yes	No	
Service Cable		Yes	No	
Earthing of MCU		Yes	No	
Energy Meter		Yes	No	
Water Meter		Yes	No	

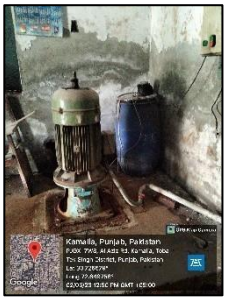


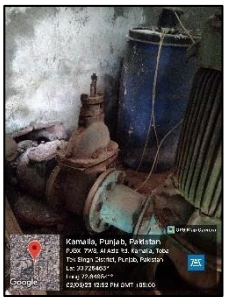


Integrated Development and Asset Management Plan (IDAMP)					
Muncipal Committee Kamalia					
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**	
PFI Equipment		Yes	No		
Generator		Yes	No		
Change Over		Yes	No		
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E
Remarks / Requirements					
No remarks					
Data Collected By: Mr. Tayyab		*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)				
Muncipal Committee Kamalia				
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**
Asset Detail				**Pictures**
Name		MC Office # 1		
Location	**Latitude**	30.725464		
	Longitude	72.649812		
Address		Al Aziz Road, Kamalia		
Area (Marla)		1 Marla		
Working Status		Functional	Non- Functional	
Installation Year of Tube Well		2000		
Installation Year of Pump		2000		
Capital Cost of Machinery		Not Available		
Operational Hours		6		
Delivery Pipe	**Dia**	8 inches		
	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

Integrated Development and Asset Management Plan (IDAMP)					
Muncipal Committee Kamalia					
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**	
Approach to Pump House		Good	Fair	Bad	
Pump Details					
Pump Type		Turbine			
Pump Make		KSB			
Discharge Capacity (Cusec)		0.5			
Rotational Speed (RPM)		1465			
Housing Dia (inches)		12			
Bore Depth (ft.)		500			
Head (ft.)		175			
Impeller Installation Depth (ft.)		100			
Paint of Pumping Unit		Poor			
Number of Valves	**Gate Valve**	1			
	Non-Returning Valve	1			
Base Plate		Yes	No		
Electro-Mechanical Equipment Details					
Transformer Capacity (kVA)		100			
Sanctioned Load (Kwh)		30			
Motor Power (HP)		30			
Motor Make		Siemens			
MCU		Yes	No		
Earthing of Motor		Yes	No		
Power Wiring		Yes	No		
Service Cable		Yes	No		
Earthing of MCU		Yes	No		
Energy Meter		Yes	No		
Water Meter		Yes	No		
PFI Equipment		Yes	No		
Generator		Yes	No		
Change Over		Yes	No		





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

Remarks / Requirements

- No remarks

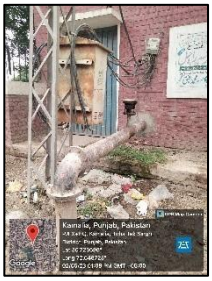
Data Collected By: Mr. Tayyab	*Designation: Team Member*	*Sign & Date: 30 May 2023*
Data Checked By: Mr. M. Fiaz	*Designation: Team Lead*	*Sign & Date: 30 May 2023*

Integrated Development and Asset Management Plan (IDAMP)

Integrated Development and Asset Management Plan (IDAMP)		
Muncipal Committee Kamalia		
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**	**Asset Code: _____ Date: 02-05-2023**

Muncipal Committee Kamalia		
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**	**Asset Code: _____ Date: 02-05-2023**

Asset Detail					Pictures
Name		Fazal Dewaan # 1			
Location	**Latitude**	30.723698			
	Longitude	72.648723			
Address		Fazal Dewaan, Kamalia			
Area (Marla)		1 Marla			
Working Status		Functional	Non- Functional		
Installation Year of Tube Well		2004			
Installation Year of Pump		2004			
Capital Cost of Machinery		Not Available			
Operational Hours		6			
Delivery Pipe	**Dia**	8 inches			
	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		Haseeb Waqas Engineering			
Discharge Capacity (Cusec)		1			
Rotational Speed (RPM)		1475			
Housing Dia (inches)		12			
Bore Depth (ft.)		500			
Head (ft.)		200			
Impeller Installation Depth (ft.)		100			
Paint of Pumping Unit		Poor			
Number of Valves	**Gate Valve**	1			
	Non-Returning Valve	1			
Base Plate		Yes	No		
Electro-Mechanical Equipment Details					
Transformer Capacity (kVA)		100			
Sanctioned Load (Kwh)		61.07			
Motor Power (HP)		50			
Motor Make		Siemens			
MCU		Yes	No		
Earthing of Motor		Yes	No		



Integrated Development and Asset Management Plan (IDAMP)					
Muncipal Committee Kamalia					
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**	
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					
• No remarks					
Data Collected By: Mr. Tayyab		*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)				
Muncipal Committee Kamalia				
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**
Asset Detail				**Pictures**
Name		Fazal Dewaan # 2		
Location	**Latitude**	30.723243		
	Longitude	72.648945		
Address		Fazal Dewaan, Kamalia		
Area (Marla)		1 Marla		
Working Status		Functional	Non- Functional	
Installation Year of Tube Well		2015		
Installation Year of Pump		2015		
Capital Cost of Machinery		Not Available		
Operational Hours		6		
Delivery Pipe	**Dia**	8 inches		
	Material	Mild Steel		
Chlorinator		Yes	No	

Integrated Development and Asset Management Plan (IDAMP)					
Muncipal Committee Kamalia					
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**	
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)		1480			
Housing Dia (inches)		12			
Bore Depth (ft.)		580			
Head (ft.)		200			
Impeller Installation Depth (ft.)		100			
Paint of Pumping Unit		Poor			
Number of Valves	**Gate Valve**	1			
	Non-Returning Valve	1			
Base Plate		Yes		No	
Electro-Mechanical Equipment Details					
Transformer Capacity (kVA)		100			
Sanctioned Load (Kwh)		65			
Motor Power (HP)		80			
Motor Make		Siemens			
MCU		Yes		No	
Earthing of Motor		Yes		No	
Power Wiring		Yes		No	
Service Cable		Yes		No	
Earthing of MCU		Yes		No	
Energy Meter		Yes		No	
Water Meter		Yes		No	
PFI Equipment		Yes		No	
Generator		Yes		No	
Change Over		Yes		No	

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

Remarks / Requirements		
• No remarks		
Data Collected By: Mr. Tayyab	*Designation: Team Member*	

Integrated Development and Asset Management Plan (IDAMP)		
Muncipal Committee Kamalia		
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**	**Asset Code: _____ Date: 02-05-2023**
		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)				
Muncipal Committee Kamalia				
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**
Asset Detail				**Pictures**
Name		Dulma Thattha		
Location	**Latitude**	30.723203		
	Longitude	72.648767		
Address		Dargahi Shah, Kamalia		
Area (Marla)		1 Marla		
Working Status		Functional	Non- Functional	
Installation Year of Tube Well		2015		
Installation Year of Pump		2015		
Capital Cost of Machinery		Not Available		
Operational Hours		6		
Delivery Pipe	**Dia**	8 Inches		
	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)		1480		
Housing Dia (inches)		12		
Bore Depth (ft.)		500		
Head (ft.)		200		
Impeller Installation Depth (ft.)		100		
Paint of Pumping Unit		Poor		
Number of Valves	**Gate Valve**	1		
	Non-Returning Valve	1		
Base Plate		Yes	No	
Electro-Mechanical Equipment Details				
Transformer Capacity (kVA)		100		
Sanctioned Load (Kwh)		61.07		
Motor Power (HP)		80		
Motor Make		Siemens		
MCU		Yes	No	
Earthing of Motor		Yes	No	
Power Wiring		Yes	No	
Service Cable		Yes	No	
Earthing of MCU		Yes	No	

Integrated Development and Asset Management Plan (IDAMP)					
Muncipal Committee Kamalia					
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**				**Asset Code: _____ Date: 02-05-2023**
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					
• No remarks					
Data Collected By: Mr. Tayyab		*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)					
Muncipal Committee Kamalia					
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**				**Asset Code: _____ Date: 02-05-2023**
Asset Detail					**Pictures**
Name		Allah Wali Masjid			
Location	**Latitude**	30.720600			
	Longitude	72.646948			
Address		Allah Wali Masjid, Kamalia			
Area (Marla)		1 Marla			
Working Status		Functional	Non- Functional		
Installation Year of Tube Well		2015			
Installation Year of Pump		2015			
Capital Cost of Machinery		Not Available			
Operational Hours		6			
Delivery Pipe	**Dia**	8 inches			
	Material	Mild Steel			
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)				
Muncipal Committee Kamalia				
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**
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)		1480		
Housing Dia (inches)		12		
Bore Depth (ft.)		580		
Head (ft.)		200		
Impeller Installation Depth (ft.)		100		
Paint of Pumping Unit		Poor		
Number of Valves	**Gate Valve**	1		
	Non-Returning Valve	1		
Base Plate		Yes		No
Electro-Mechanical Equipment Details				
Transformer Capacity (kVA)		100		
Sanctioned Load (Kwh)		61.98		
Motor Power (HP)		80		
Motor Make		Siemens		
MCU		Yes		No
Earthing of Motor		Yes		No
Power Wiring		Yes		No
Service Cable		Yes		No
Earthing of MCU		Yes		No
Energy Meter		Yes		No
Water Meter		Yes		No
PFI Equipment		Yes		No
Generator		Yes		No
Change Over		Yes		No

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

Remarks / Requirements

- No remarks

Data Collected By: Mr. Tayyab	*Designation: Team Member*	*Sign & Date: 30 May 2023*

Integrated Development and Asset Management Plan (IDAMP)		
Muncipal Committee Kamalia		
Form: IDAMP-A1	Tube Well Asset Condition Assessment	Asset Code: _____ Date: 02-05-2023
Data Checked By: Mr. M. Fiaz	*Designation: Team Lead*	*Sign & Date: 30 May 2023*

Integrated Development and Asset Management Plan (IDAMP)				
Muncipal Committee Kamalia				
Form: IDAMP-A1	Tube Well Asset Condition Assessment			Asset Code: _____ Date: 02-05-2023
Asset Detail				**Pictures**
Name		Islampura Chungi no. 6		
Location	**Latitude**	30.717013		
	Longitude	72.639282		
Address		Islampura Chungi no. 6, Kamalia		
Area (Marla)		1 Marla		
Working Status		Functional	Non- Functional	
Installation Year of Tube Well		2015		
Installation Year of Pump		2015		
Capital Cost of Machinery		Not Availble		
Operational Hours		6		
Delivery Pipe	**Dia**	8 Inches		
	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)		1480		
Housing Dia (inches)		12		
Bore Depth (ft.)		500		
Head (ft.)		200		
Impeller Installation Depth (ft.)		100		
Paint of Pumping Unit		Poor		
	Gate Valve	1		

Integrated Development and Asset Management Plan (IDAMP)				
Muncipal Committee Kamalia				
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**
Number of Valves	**Non-Returning Valve**	1		
Base Plate		Yes	No	
Electro-Mechanical Equipment Details				
Transformer Capacity (kVA)		100		
Sanctioned Load (Kwh)		61.07		
Motor Power (HP)		80		
Motor Make		Siemens		
MCU		Yes	No	
Earthing of Motor		Yes	No	
Power Wiring		Yes	No	
Service Cable		Yes	No	
Earthing of MCU		Yes	No	
Energy Meter		Yes	No	
Water Meter		Yes	No	
PFI Equipment		Yes	No	
Generator		Yes	No	
Change Over		Yes	No	

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

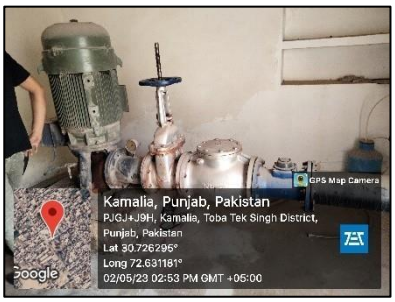
Remarks / Requirements		
• No remarks		
Data Collected By: Mr. Tayyab	*Designation: Team Member*	*Sign & Date: 30 May 2023*
Data Checked By: Mr. M. Fiaz	*Designation: Team Lead*	*Sign & Date: 30 May 2023*

Integrated Development and Asset Management Plan (IDAMP)			
Muncipal Committee Kamalia			
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**		**Asset Code: _____ Date: 02-05-2023**
Asset Detail			**Pictures**
Name		Jhand Shah	
Location	**Latitude**	30.726158	
	Longitude	72.638271	

Integrated Development and Asset Management Plan (IDAMP)				
Muncipal Committee Kamalia				
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**
Address		Eid Gah Road, Kamalia		
Area (Marla)		1 Marla		
Working Status		Functional	Non- Functional	
Installation Year of Tube Well		2009		
Installation Year of Pump		2009		
Capital Cost of Machinery		Not Available		
Operational Hours		6		
Delivery Pipe	**Dia**	8 inches		
	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		Flow Pak		
Discharge Capacity (Cusec)		1		
Rotational Speed (RPM)		1475		
Housing Dia (inches)		12		
Bore Depth (ft.)		480		
Head (ft.)		200		
Impeller Installation Depth (ft.)		100		
Paint of Pumping Unit		Poor		
Number of Valves	**Gate Valve**	1		
	Non-Returning Valve	1		
Base Plate		Yes	No	
Electro-Mechanical Equipment Details				
Transformer Capacity (kVA)		100		
Sanctioned Load (Kwh)		37.62		
Motor Power (HP)		50		
Motor Make		Siemens		
MCU		Yes	No	
Earthing of Motor		Yes	No	
Power Wiring		Yes	No	
Service Cable		Yes	No	
Earthing of MCU		Yes	No	
Energy Meter		Yes	No	
Water Meter		Yes	No	
PFI Equipment		Yes	No	
Generator		Yes	No	
Change Over		Yes	No	
Overall Rating				

Integrated Development and Asset Management Plan (IDAMP)					
Muncipal Committee Kamalia					
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**	
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. Tayyab		*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)				
Muncipal Committee Kamalia				
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**
Asset Detail				**Pictures**
Name		Bhalla Chowk		
Location	**Latitude**	30.726318		
	Longitude	72.631238		
Address		1 Marla		
Area (Marla)		Bhalla Chowk, Kamalia		
Working Status		Functional	Non- Functional	
Installation Year of Tube Well		2015		
Installation Year of Pump		2015		
Capital Cost of Machinery		Not Available		
Operational Hours		6		
Delivery Pipe	**Dia**	8 Inches		
	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)		1480		
Housing Dia (inches)		12		
Bore Depth (ft.)		580		
Head (ft.)		200		
Impeller Installation Depth (ft.)		100		
Paint of Pumping Unit		Good		
Number of Valves	**Gate Valve**	1		
	Non-Returning Valve	1		
Base Plate		Yes	No	
Electro-Mechanical Equipment Details				
Transformer Capacity (kVA)		100		
Sanctioned Load (Kwh)		64		
Motor Power (HP)		80		
Motor Make		Siemens		
MCU		Yes	No	
Earthing of Motor		Yes	No	
Power Wiring		Yes	No	
Service Cable		Yes	No	
Earthing of MCU		Yes	No	



Integrated Development and Asset Management Plan (IDAMP)					
Muncipal Committee Kamalia					
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**	
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					
• No remarks					
Data Collected By: Mr. Tayyab		*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)				
Muncipal Committee Kamalia				
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**		**Asset Code: _____ Date: 02-05-2023**	
Asset Detail				**Pictures**
Name		Bahlolwala		
Location	**Latitude**	30.731392		
	Longitude	72.639606		
Address		Ghalla Mandi, Kamalia		
Area (Marla)		1 Marla		
Working Status		Functional	Non- Functional	
Installation Year of Tube Well		2015		
Installation Year of Pump		2015		
Capital Cost of Machinery		Not Available		
Operational Hours		6		
Delivery Pipe	**Dia**	8 Inches		
	Material	Mild Steel		
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)				
Muncipal Committee Kamalia				
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**
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)		1480		
Housing Dia (inches)		12		
Bore Depth (ft.)		580		
Head (ft.)		200		
Impeller Installation Depth (ft.)		100		
Paint of Pumping Unit		Poor		
Number of Valves	**Gate Valve**	1		
	Non-Returning Valve	1		
Base Plate		Yes	No	
Electro-Mechanical Equipment Details				
Transformer Capacity (kVA)		100		
Sanctioned Load (Kwh)		64		
Motor Power (HP)		80		
Motor Make		Siemens		
MCU		Yes	No	
Earthing of Motor		Yes	No	
Power Wiring		Yes	No	
Service Cable		Yes	No	
Earthing of MCU		Yes	No	
Energy Meter		Yes	No	
Water Meter		Yes	No	
PFI Equipment		Yes	No	
Generator		Yes	No	
Change Over		Yes	No	

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

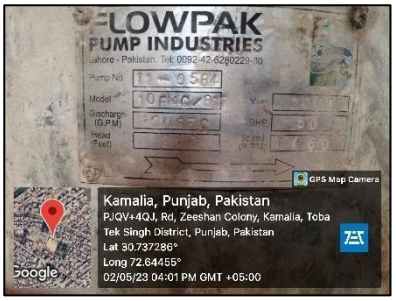
Remarks / Requirements

- No remarks

Data Collected By: Mr. Tayyab	*Designation: Team Member*	*Sign & Date: 30 May 2023*

Integrated Development and Asset Management Plan (IDAMP)		
Muncipal Committee Kamalia		
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**	**Asset Code: _____ Date: 02-05-2023**
Data Checked By: Mr. M. Fiaz	*Designation: Team Lead*	 *Sign & Date: 30 May 2023*

Integrated Development and Asset Management Plan (IDAMP)				
Muncipal Committee Kamalia				
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**
Asset Detail				**Pictures**
Name		Zeeshan Colony OHR		
Location	**Latitude**	30.736693		
	Longitude	72.644384		
Address		Main Colony Road, Kamalia		
Area (Marla)		1 Marla		
Working Status		Functional	Non- Functional	
Installation Year of Tube Well		2008		
Installation Year of Pump		2008		
Capital Cost of Machinery		Not Available		
Operational Hours		6		
Delivery Pipe	**Dia**	8 Inches		
	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		Flow Pak		
Discharge Capacity (Cusec)		1		
Rotational Speed (RPM)		1460		
Housing Dia (inches)		12		
Bore Depth (ft.)		480		
Head (ft.)		200		
Impeller Installation Depth (ft.)		100		
Paint of Pumping Unit		Poor		
Number of Valves	**Gate Valve**	1		
	Non-Returning Valve	1		
Base Plate		Yes	No	
Electro-Mechanical Equipment Details				
Transformer Capacity (kVA)		100		
Sanctioned Load (Kwh)		37.62		
Motor Power (HP)		50		
Motor Make		Siemens		
MCU		Yes	No	
Earthing of Motor		Yes	No	
Power Wiring		Yes	No	
Service Cable		Yes	No	
Earthing of MCU		Yes	No	
Energy Meter		Yes	No	
Water Meter		Yes	No	



Integrated Development and Asset Management Plan (IDAMP)					
Muncipal Committee Kamalia					
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**	
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					
• No remarks					
Data Collected By: Mr. Tayyab		*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)					
Muncipal Committee Kamalia					
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**	
Asset Detail					**Pictures**
Name		Slaughter House			
Location	**Latitude**	30.73775			
	Longitude	72.630032			
Address		Nilkian Wali Road, Kamalia			
Area (Marla)		1 Marla			
Working Status		Functional	Non- Functional		
Installation Year of Tube Well		2021			
Installation Year of Pump		2021			
Capital Cost of Machinery		Not Available			
Operational Hours		6			
Delivery Pipe	**Dia**	8 Inches			
	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	

Integrated Development and Asset Management Plan (IDAMP)				
Muncipal Committee Kamalia				
Form: IDAMP-A1	Tube Well Asset Condition Assessment			Asset Code: _____ Date: 02-05-2023
Approach to Pump House		Good	Fair	Bad
Pump Details				
Pump Type		Turbine		
Pump Make		KSB		
Discharge Capacity (Cusec)		2		
Rotational Speed (RPM)		1450		
Housing Dia (inches)		12		
Bore Depth (ft.)		580		
Head (ft.)		200		
Impeller Installation Depth (ft.)		100		
Paint of Pumping Unit		Good		
Number of Valves	Gate Valve	1		
	Non-Returning Valve	1		
Base Plate		Yes	No	
Electro-Mechanical Equipment Details				
Transformer Capacity (kVA)		100		
Sanctioned Load (Kwh)		61		
Motor Power (HP)		80		
Motor Make		Siemens		
MCU		Yes	No	
Earthing of Motor		Yes	No	
Power Wiring		Yes	No	
Service Cable		Yes	No	
Earthing of MCU		Yes	No	
Energy Meter		Yes	No	
Water Meter		Yes	No	
PFI Equipment		Yes	No	
Generator		Yes	No	
Change Over		Yes	No	

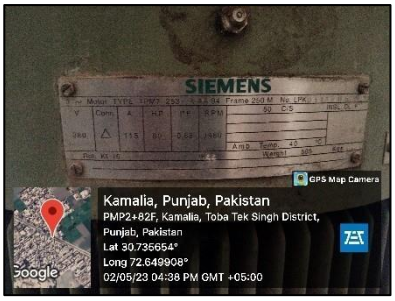
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E

Remarks / Requirements

- No remarks

Data Collected By: Mr. Tayyab	*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)				
Muncipal Committee Kamalia				
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**
Asset Detail				**Pictures**
Name		Maikan Wali Chungi		
Location	**Latitude**	30.738135		
	Longitude	72.641725		
Address		Main Colony Road, Kamalia		
Area (Marla)		1 Marla		
Working Status		Functional	Non- Functional	
Installation Year of Tube Well		2015		
Installation Year of Pump		2015		
Capital Cost of Machinery		Not Available		
Operational Hours		6		
Delivery Pipe	**Dia**	8 Inches		
	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)		1480		
Housing Dia (inches)		12		
Bore Depth (ft.)		580		
Head (ft.)		200		
Impeller Installation Depth (ft.)		100		
Paint of Pumping Unit		Poor		
Number of Valves	**Gate Valve**	1		
	Non-Returning Valve	1		
Base Plate		Yes	No	
Electro-Mechanical Equipment Details				
Transformer Capacity (kVA)		100		
Sanctioned Load (Kwh)		64		
Motor Power (HP)		80		
Motor Make		Siemens		
MCU		Yes	No	
Earthing of Motor		Yes	No	
Power Wiring		Yes	No	
Service Cable		Yes	No	
Earthing of MCU		Yes	No	



Integrated Development and Asset Management Plan (IDAMP)					
Muncipal Committee Kamalia					
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**	
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					
• No remarks					
Data Collected By: Mr. Tayyab		*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)				
Muncipal Committee Kamalia				
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**		**Asset Code: _____ Date: 02-05-2023**	
Asset Detail				**Pictures**
Name		Ravi Town		
Location	**Latitude**	30.729137		
	Longitude	72.661998		
Address		Mamu Kanjun Road, Kamalia		
Area (Marla)		1 Marla		
Working Status		Functional	Non- Functional	
Installation Year of Tube Well		2015		
Installation Year of Pump		2015		
Capital Cost of Machinery		Not Available		
Operational Hours		6		
Delivery Pipe	**Dia**	8 Inches		
	Material	Mild Steel		
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)				
Muncipal Committee Kamalia				
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**
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)		1480		
Housing Dia (inches)		12		
Bore Depth (ft.)		580		
Head (ft.)		200		
Impeller Installation Depth (ft.)		100		
Paint of Pumping Unit		Poor		
Number of Valves	**Gate Valve**	1		
	Non-Returning Valve	1		
Base Plate		Yes		No
Electro-Mechanical Equipment Details				
Transformer Capacity (kVA)		100		
Sanctioned Load (Kwh)		64		
Motor Power (HP)		80		
Motor Make		Siemens		
MCU		Yes		No
Earthing of Motor		Yes		No
Power Wiring		Yes		No
Service Cable		Yes		No
Earthing of MCU		Yes		No
Energy Meter		Yes		No
Water Meter		Yes		No
PFI Equipment		Yes		No
Generator		Yes		No
Change Over		Yes		No

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

Remarks / Requirements

- No remarks

Data Collected By: Mr. Tayyab	*Designation: Team Member*	*Sign & Date: 30 May 2023*

Integrated Development and Asset Management Plan (IDAMP)		
Muncipal Committee Kamalia		
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**	**Asset Code: _____ Date: 02-05-2023**
Data Checked By: Mr. M. Fiaz	*Designation: Team Lead*	*Sign & Date: 30 May 2023*

Integrated Development and Asset Management Plan (IDAMP)				
Muncipal Committee Kamalia				
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**
Asset Detail				**Pictures**
Name		Zeeshan Colony		
Location	**Latitude**	30.736693		
	Longitude	72.644384		
Address		Main Colony Road, Kamalia		
Area (Marla)		1 Marla		
Working Status		Abandoned		
Installation Year of Tube Well		2008		
Installation Year of Pump		2008		
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	
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	

Integrated Development and Asset Management Plan (IDAMP)					
Muncipal Committee Kamalia					
Form: IDAMP-A1	**Tube Well Asset Condition Assessment**				**Asset Code: _____ Date: 02-05-2023**
Electro-Mechanical Equipment Details					
Transformer Capacity (kVA)					
Sanctioned Load (Kwh)					
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					
• No remarks					
Data Collected By: Mr. Tayyab		*Designation: Team Member*			 *Sign & Date: 30 May 2023*
Data Checked By: Mr. M. Fiaz		*Designation: Team Lead*			 *Sign & Date: 30 May 2023*

B. OHR

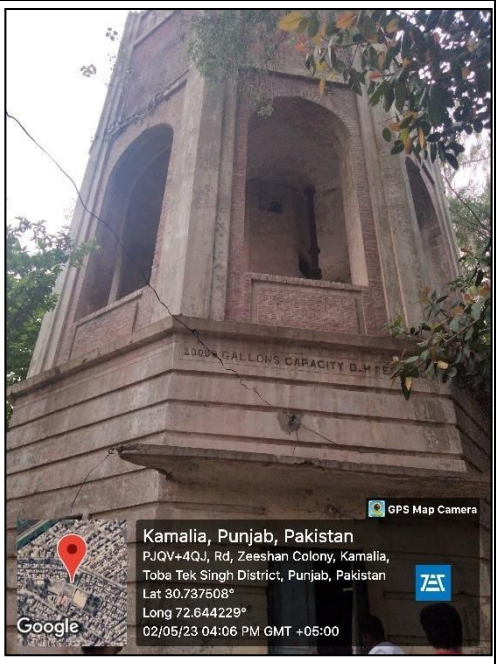
Sr #	Name	Age (Years)	Capacity (Gallons)	Condition	Status	Book Value (PKR Mil)
1	Zeeshan Colony	43	20,000	Fair	Functional	0.38
2	Near MC office	50	50,000	Fair	Functional	0.6
3	Mohalla Muslim Sheikhan	7	500,000	Excellent	Functional	3.8

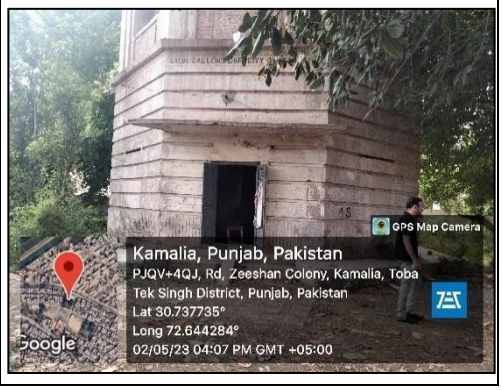
Integrated Development And Asset Management Plan (IDAMP)						
Muncipal Committee Kamalia						
Form: IDAMP-A2	**Over Head Reservoir Asset Condition Assessment**					**Asset Code: _____ Date: 02-05-2023**
Name		MC Office			**Pictures**	
Location	**Latitude**	30.725396				
	Longitude	72.649129				
Address		Iqbal Bazaar, Kamalia				
Year of Construction		1973				
Capacity (UK Gallons)		50,000				
Cleaning Frequency (Per Year)		2				
Type of Structure		Masonary				
Structure Condition		Good	Fair	Poor		
Tank Conditions		Good	Fair	Poor		
Number of Valves	**Sluice Valve**	4				
	Non-Returning Valve	1				
Working Status		Functional	Non-Functional			
Rising Main	**Dia**	10 Inches				
	Material	Mild Steel				
Delivery Main	**Dia**	12 *Inches*				
	Material	Mild Steel				
Overflow & Scour Pipe	**Dia**	6 Inches				
	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					
• Overall, the condition of OHR is fair but the structure has outlived its life and needs reconstruction.					
Data Collected By: Mr. Tayyab		*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)				
Muncipal Committee Kamalia				
Form: IDAMP-A2	**Over Head Reservoir Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**
Name		Zeeshan Colony		**Pictures**
Location	**Latitude**	30.737508		
	Longitude	72.644229		
Address		Zeeshan Colony		
Year of Construction		1980		
Capacity (UK Gallons)		20,000		
Cleaning Frequency (Per Year)		2		
Type of Structure		Masonary		
Structure Condition		Good	Fair	Poor
Tank Conditions		Good	Fair	Poor
Number of Valves	**Sluice Valve**	4		
	Non-Returning Valve	1		
Working Status		Functional	Non-Functional	
Rising Main	**Dia**	6 Inches		
	Material	Mild Steel		
Delivery Main	**Dia**	6 Inches		
	Material	Mild Steel		
Overflow & Scour Pipe	**Dia**	6 Inches		
	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

- Overall, the condition of OHR is fair but the structure has outlived its life and needs reconstruction.

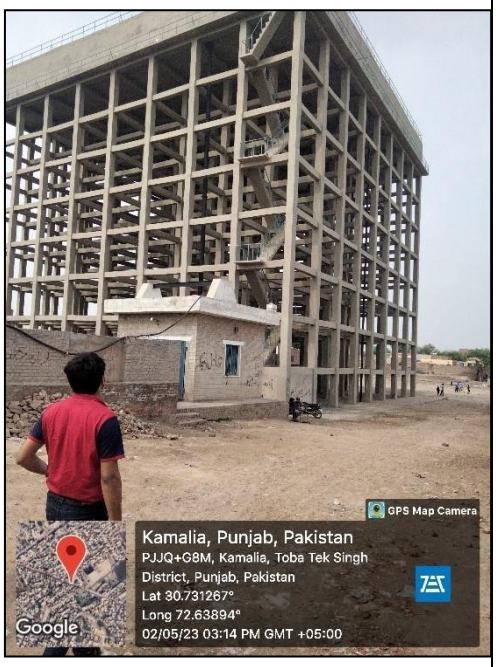
Data Collected By: Mr. Tayyab	*Designation: Team Member*	*Sign & Date: 30 May 2023*
Data Checked By: Mr. M. Fiaz	*Designation: Team Lead*	*Sign & Date: 30 May 2023*

Integrated Development And Asset Management Plan (IDAMP)

Muncipal Committee Kamalia

Form: IDAMP-A2	**Over Head Reservoir Asset Condition Assessment**	**Asset Code: _____ Date: 02-05-2023**

Name		Bahlol wala			**Pictures**
Location	**Latitude**	30.731267			
	Longitude	72.63894			
Address		Bahlolwala, Kamalia			
Year of Construction		2016			
Capacity (UK Gallons)		500,000			
Cleaning Frequency (Per Year)		3			
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 Inches			
	Material	Mild Steel			
Delivery Main	**Dia**	6 Inches			
	Material	Mild Steel			
Overflow & Scour Pipe	**Dia**	6 Inches			
	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		
• Overall, the condition of OHR is excellent.		
Data Collected By: Mr. Tayyab	*Designation: Team Member*	 *Sign & Date: 30 May 2023*
Data Checked By: Mr. M. Fiaz	*Designation: Team Lead*	 *Sign & Date: 30 May 2023*

C. Water Supply Network

Sr #	Dia	Length (meter)	Age (Years)	Condition	Material	Book Value (PKR Mil)
1	3"	167,421	16	Fair	UPVC	3.52
2	4"	21,746	16	Fair	UPVC	0.59
3	6"	45,721	16	Fair	UPVC	1.98
4	8"	17,335	16	Fair	UPVC	1.26
5	10"	3,355	16	Fair	UPVC	0.35
6	12"	1,194	16	Fair	UPVC	0.16
7	14"	928	16	Fair	UPVC	0.14
8	16"	1196	16	Fair	UPVC	0.23
9	3"	107,900	8-9.	Excellent	UPVC	2.27
10	4"	17,543	8-9.	Excellent	UPVC	0.48
11	6"	37,618	8-9.	Excellent	UPVC	1.63
12	8"	15,432	8-9.	Excellent	UPVC	1.12
13	10"	2,621	8-9.	Excellent	UPVC	0.27
14	12"	1,087	8-9.	Excellent	UPVC	0.14
15	14"	113	8-9.	Excellent	UPVC	0.02
16	16"	67	8-9.	Excellent	UPVC	0.01

Integrated Development And Asset Management Plan (IDAMP)			
Muncipal Committee Kamalia			
Form: IDAMP-A5	Water Supply Network Asset Condition Assessment		Asset Code: _____ Date: 02-05-2023
Description		**Area (Acres)**	**Percentage**
Served Area		3746	54.7
Contaminated Area		--	--
Water Shortage Area		--	--
Unserved Area		3100	45.2
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?		Three complaints were received regarding water supply problem and they were all resolved.	

Pipe Dia (inches)	Pipe Material	Length (km)	Year of Laying	Age of Pipe
3"	UPVC	51.027	2007	16
4"	UPVC	6.628	2007	16
6"	UPVC	13.935	2007	16
8"	UPVC	5.283	2007	16
10"	UPVC	1.023	2007	16
12"	UPVC	0.364	2007	16
14"	UPVC	0.283	2007	16
16"	UPVC	0.365	2007	16
3"	UPVC	32.886	2014-2015	8-9
4"	UPVC	5.347	2014-2015	8-9
6"	UPVC	11.465	2014-2015	8-9
8"	UPVC	4.703	2014-2015	8-9
10"	UPVC	0.799	2014-2015	8-9
12"	UPVC	0.331	2014-2015	8-9
14"	UPVC	0.034	2014-2015	8-9
16"	UPVC	0.020	2014-2015	8-9

Remarks / Requirements

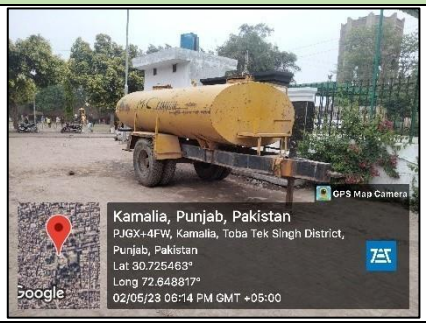
- No remarks

Data Collected By: Mr. Tayyab	*Designation: Team Member*	 *Sign & Date: 30 May 2023*

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

D. Vehicles/ Machinery

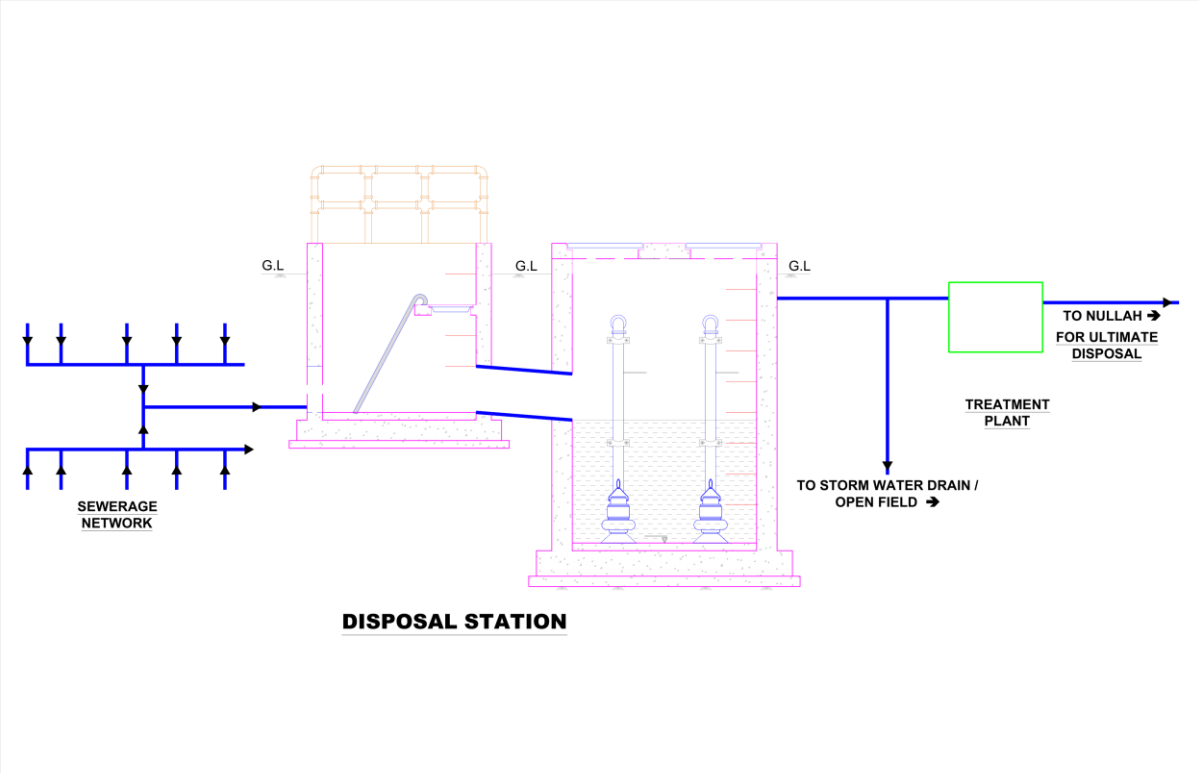
Sr #	Name	Registration Number	Age (Years)	Capacity	Condition	Status	Book Value (PKR Mil)
1	Water Bowser #01	Vehicle #07	21	75 HP, 500 Gallons	Fair	Functional	0.27

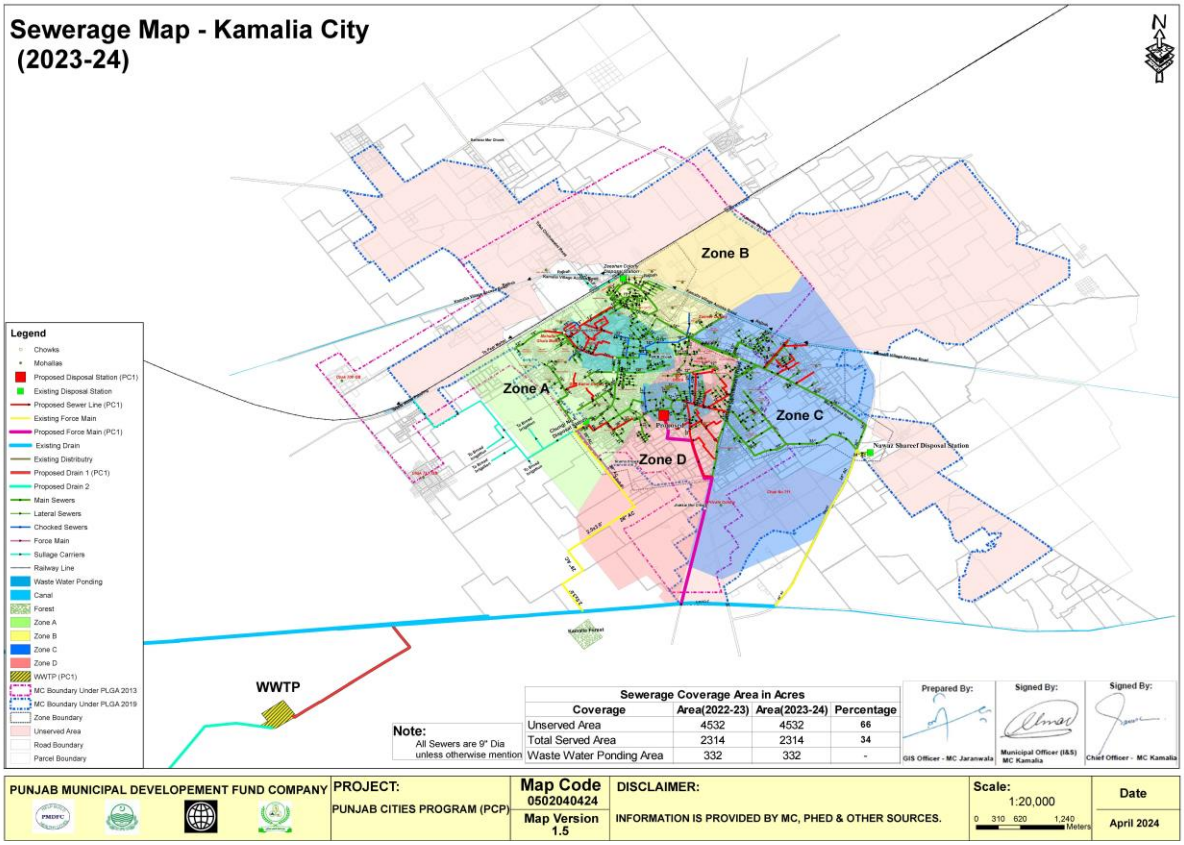
Integrated Development and Asset Management Plan (IDAMP)		
Muncipal Committee Kamalia		
Form: IDAMP-A16	**Moveable Asset Asset Condition Assessment**	**Asset Code: _____ Date: 02-05-2023**
Type of Vehicle / Machinery	**Pictures**	
Water Bowser		
Capacity	500 Gallons	
Purpose	Water Supply	
Year of Manufacturing	2002	
Model	MF 260 Turbo	
Capital Cost	--	
Fuel Consumption (litre/month)	287	
Condition	Fair	
Engine Capacity	75 hp	
Maintenance Cost	2,500	
Oiling /Fitness	Yes	
Fitness Certificate	No	
Registered	Yes	
Remarks / Requirements		
• No remarks		
Data Collected By: Mr. Tayyab	*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




Sewerage Map - Kamalia City
(2023-24)
N
Zone A
Zone B
Zone C
Zone D
WWTP
Nawaz Shareef Disposal Station
Legend
Chowks
Mohallas
Proposed Disposal Station (PC1)
Existing Disposal Station
Proposed Sewer Line (PC1)
Existing Force Main
Proposed Force Main (PC1)
Existing Drain
Existing Distributry
Proposed Drain 1 (PC1)
Proposed Drain 2
Main Sewers
Lateral Sewers
Chocked Sewers
Force Main
Sullage Carriers
Railway Line
Waste Water Ponding
Canal
Forest
Zone A
Zone B
Zone C
Zone D
WWTP (PC1)
MC Boundary Under PLGA 2013
MC Boundary Under PLGA 2019
Zone Boundary
Unserved Area
Road Boundary
Parcel Boundary
Note:
All Sewers are 9" Dia unless otherwise mention
Sewerage Coverage Area in Acres
Coverage | Area(2022-23) | Area(2023-24) | Percentage
Unserved Area | 4532 | 4532 | 66
Total Served Area | 2314 | 2314 | 34
Waste Water Ponding Area | 332 | 332 | -
Prepared By:
GIS Officer - MC Jaranwala
Signed By:
Municipal Officer (I&S) MC Kamalia
Signed By:
Chief Officer - MC Kamalia
PUNJAB MUNICIPAL DEVELOPEMENT FUND COMPANY
PROJECT:
PUNJAB CITIES PROGRAM (PCP)
Map Code
0502040424
Map Version
1.5
DISCLAIMER:
INFORMATION IS PROVIDED BY MC, PHED & OTHER SOURCES.
Scale:
1:20,000
0 310 620 1,240 Meters
Date
April 2024

A. Sewerage Network

Sr #	Dia	Length (meter)	Age (Years)	Condition	Material	Book Value (PKR Mil)
1	9"	27,755	40	Failing	RCC	0
2	12"	9,244	40	Failing		0
3	15"	6,051	40	Failing		0
4	18"	4,685	40	Failing		0
5	21"	3,047	40	Failing		0
6	24"	7,949	40	Failing		0
7	27"	2,883	40	Failing		0
8	30"	2,538	40	Failing		0
9	33"	1,379	40	Failing		0
10	36"	5,302	40	Failing		0
11	42"	156	40	Failing		0
12	48"	186	40	Failing		0
13	24”	246	1	Excellent		0.153
14	36”	164	1	Excellent		0.234

Integrated Development and Asset Management Plan (IDAMP)		
Muncipal Committee Kamalia		
Form: IDAMP-A6	Sewerage Network Asset Condition Assessment	Asset Code: _____ Date: 02-05-2023

Description	Area (Acres)	Percentage
Served Area	2,314	34
Flooded Area	--	--
Unserved Area	4,532	66
Type and number of complaints received to MC regarding sewerage system?	45 complaints were received regarding sewerage problems.	
Steps considered by MC to resolve the complaints	All of them were resolved.	

Pipe Dia (inches)	Pipe Material	Length (m)	No. of Manholes	Year of Laying	Age of Pipe
9"	RCC	27,755	1821	1983	40
12"	RCC	9,244	303	1983	40
15"	RCC	6,051	132	1983	40
18"	RCC	4,685	77	1983	40
21"	RCC	3,047	40	1983	40
24"	RCC	7,949	104	1983	40
27"	RCC	2,883	32	1983	40

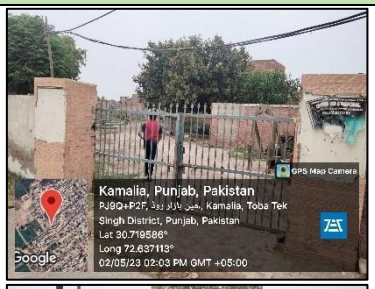
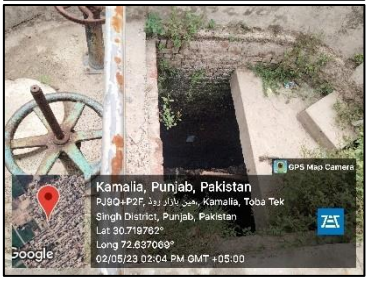
30"	RCC	2,538	28	1983	40
33"	RCC	1,379	15	1983	40
36"	RCC	5,302	58	1983	40
42"	RCC	156	2	1983	40
48"	RCC	186	2	1983	40
24”	RCC	246	3	2022	1
36”	RCC	164	2	2022	1

Remarks / Requirements		
• Replace the sewerage distribution pipelines that have exceeded their expected lifespan based on Watson criteria to ensure continued functionality and prevent potential failures.		
Data Collected By: Mr. Tayyab	*Designation: Team Member*	 *Sign & Date: 30 May 2023*
Data Checked By: Mr. M. Fiaz	*Designation: Team Lead*	 *Sign & Date: 30 May 2023*

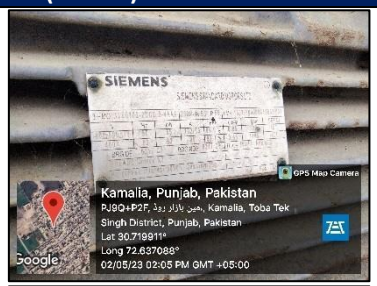
B. Disposal Station

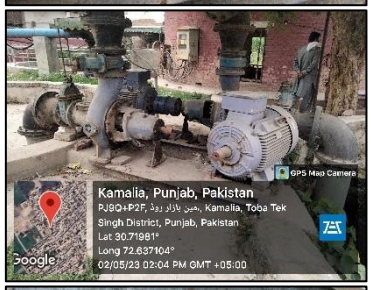
Sr #	Name	Age (Years)		Nos. of pump	Discharge Each (Cusec)	Motor hp	Pump Make	Motor Make	Condition	Status	Book Value (PKR Mil)
		Civil Structure	Pump								
1	Islampura	38	6	5	5	75	KSB	Siemens	Fair	Functional	0.72
2	Zeeshan Colony	33	33	(1x submersible) + (2x non-clogging)	1x1.5 cusecs+2x 4 cusecs	25x1+50x 2	Peco	Peco	Fair	Functional	0.45
3	Nawaz Sharif	8	8	4	3x5 cusecs+1x 3 cusecs	60x3+40x 1	KSB	Siemens	Good	Functional	1.17

Integrated Development and Asset Management Plan (IDAMP)				
Muncipal Committee Kamalia				
Form: IDAMP-A7	Sewerage Disposal Station Asset Condition Assessment			Asset Code: _____ Date: 02-05-2023

Asset Detail					Pictures
Name		IslamPura			
Location	Latitude	30.719879			
	Longitude	72.636963			
Address		Main Bazaar Road, Kamalia			
Area (Acres)		1.5			
Installation Year		1985			
Capital Cost of Machinery					
Outfall Drain Sewer	Dia	48 Inches			
	Material	RCC			
Screening Chamber	No. of Screens	4			
	Screen Condition	Good	Fair	Poor	
	Chamber Structure	Masonary			
Wet Wells	Number	3			
	Shape	Rectangular		Circular	
	Size	30’ depth, 14’ dia			
	Structure	Masonry		RCC	
	Railing	Yes		No	
Force main	No. of Force main	1			
	Dia	28 inches			
	Material	AC			
	Starting Point	Dry Well			
	Ending Point	Open Field			
	Length				
Sullage Carrier	Size	No Sullage Carrier			
	Shape				
	Length				
	Condition				

Integrated Development and Asset Management Plan (IDAMP)					
Delivery Pipe	**Dia**	12 inches			
	Material	CI			
Suction Pipe	**Dia**	12 inches			
	Material	CI			
Number of Valves	**Sluice Valves**	10			
	Non-Return Valves	5			
	Penstock Valves	6			
Ultimate Disposal		Open Field			
Civil Structure Condition		Good	Fair	Poor	
Control Room Structure		Good	Fair	Poor	
Discharge Box Structure		Good	Fair	Poor	
Approach to Pump House		Good	Fair	Poor	
Hoisting Girder		Yes		No	
Boundary Wall & Gate		Yes		No	
Treatment of Sewage		Yes		No	
Wastewater daily discharge in m^3/day? (based on available information at MC)		10,227			
Electro-Mechanical Equipment Details					
Number of WAPDA Feeders		2			
Transformer Capacity (kVA)		200			
Number of MCU		5			
Sanctioned Load (kWh)		135 & 142			
Power Factor Improvement Equipment		Yes		No	
Service Cable		Yes		No	
Power Wiring		Yes		No	
Earthing of Motor		Yes		No	
Earthing of MCU		Yes		No	
Generator Availability		Yes		No	
Light Wiring of Pump House		Yes		No	
Change Over		Yes		No	





Pump Detail				
	Pump A		**Pump B**	
Pump Type	Centrifugal/ Non-Clogging		Centrifugal/ Non-Clogging	
Pump Brand	KSB		KSB	
Pump Paint	Fair		Fair	
Motor Brand	Siemens		Siemens	
Installation Year of Pump	2017		2017	
Discharge Capacity (Cusecs)	5		5	
Rotational Speed (RPM)	980		980	
Head (ft.)	66		66	
Motor Power (HP)	75		75	
Pump Daily Running Time (Hours)	4		4	
Base Plate	Yes	No	Yes	No

	Pump C	**Pump D**	**Pump E**
Pump Type	Centrifugal/ Non-Clogging	Centrifugal/ Non-Clogging	Centrifugal/ Non-Clogging
Pump Brand	KSB	KSB	KSB
Pump Paint	Fair	Fair	Fair

Integrated Development and Asset Management Plan (IDAMP)						
Motor Brand		Siemens		Siemens		Siemens
Installation Year of Pump		2017		2017		2017
Discharge Capacity (Cusecs)		5		5		5
Rotational Speed (RPM)		980		980		980
Head (ft.)		66		66		66
Motor Power (HP)		75		75		75
Pump Daily Running Time (Hours)		4		4		4
Base Plate		Yes	No	Yes	No	Yes	No
Number of Valves	**Sluice Valve**	10				
	Non-Returning Valve	5				

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

Remarks / Requirements
• No remarks

Data Collected By: Mr. Tayyab	*Designation: Team Member*	*Sign & Date: 30 May 2023*
Data Checked By: Mr. M. Fiaz	*Designation: Team Lead*	*Sign & Date: 30 May 2023*

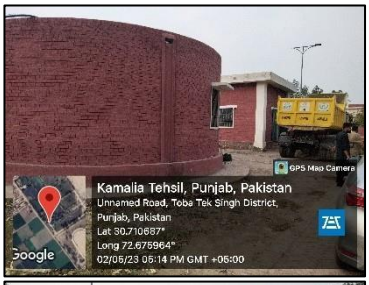
Integrated Development and Asset Management Plan (IDAMP)					
Muncipal Committee Kamalia					
Form: IDAMP-A7	**Sewerage Disposal Station Asset Condition Assessment**				**Asset Code: _____ Date: 02-05-2023**
Asset Detail					**Pictures**
Name		Zeeshan Colony			
Location	**Latitude**	30.737959			
	Longitude	72.641781			
Address		Main Colony Road, Zeeshan Colony, Kamalia			
Area (Acres)		0.6			
Installation Year		1990			
Capital Cost of Machinery					
Outfall Drain Sewer	**Dia**	42 inches			
	Material	RCC			
Screening Chamber	**No. of Screens**	1			
	Screen Condition	Good	Fair	Poor	
	Chamber Structure	Masonry			
Wet Wells	**Number**	2			

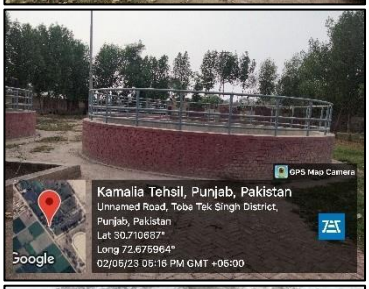
Integrated Development and Asset Management Plan (IDAMP)				
	Shape	Rectangular	Circular	
	Size	30’ depth,20’ dia		
	Structure	Masonry	RCC	
	Railing	Yes	No	
Force mains	**No. of Force main**	1		
	Dia	28”		
	Material	AC		
	Starting Point			
	Ending Point			
	Length			
Sullage Carrier	**Size**	2.5”x 3.0”		
	Shape	Rectangular		
	Length			
	Condition	Fair		
Delivery Pipe	**Dia**	12 inches		
	Material	CI		
Suction Pipe	**Dia**	12 inches		
	Material	CI		
Number of Valves	**Sluice Valves**	5		
	Non-Return Valves	3		
	Penstock Valves	2		
Ultimate Disposal		Open Field		
Civil Structure Condition		Good	Fair	Poor
Control Room Structure		Good	Fair	Poor
Discharge Box Structure		Good	Fair	Poor
Approach to Pump House		Good	Fair	Poor
Hoisting Girder		Yes	No	
Boundary Wall & Gate		Yes	No	
Treatment of Sewage		Yes	No	
Wastewater daily discharge in m^3/day? (based on available information at MC) Ultimate disposal of wastewater?		6,801		
Electro-Mechanical Equipment Details				
Number of WAPDA Feeders		2		
Transformer Capacity (kVA)		100		
Number of MCU		3		
Sanctioned Load (kWh)		90		
Power Factor Improvement Equipment		Yes	No	
Service Cable		Yes	No	
Power Wiring		Yes	No	
Earthing of Motor		Yes	No	
Earthing of MCU		Yes	No	
Generator Availability		Yes	No	
Light Wiring of Pump House		Yes	No	
Change Over		Yes	No	
Pump Detail				
		Pump A	**Pump B**	**Pump C**

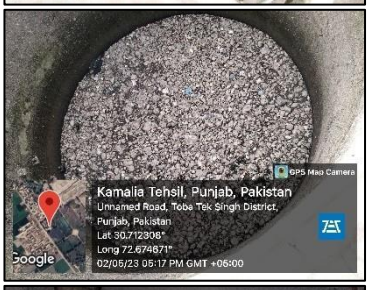
Integrated Development and Asset Management Plan (IDAMP)									
Pump Type			Centrifugal/ Non-Clogging		Centrifugal/ Non-Clogging		Submersible		
Pump Brand			Peco		Peco		Not Available		
Pump Paint			Poor		Poor		Poor		
Motor Brand			Peco		Siemens		Not Available		
Installation Year of Pump			1990		1990		1990		
Discharge Capacity (Cusecs)			4		4		1.5		
Rotational Speed (RPM)			960		960		960		
Head (ft.)			40		40		40		
Motor Power (HP)			50		50		25		
Pump Daily Running Time (Hours)			7		7		7		
Base Plate			Yes	No	Yes	No	Yes	No	
Number of Valves	**Sluice Valve**		5						
	Non-Returning Valve		3						
Overall Rating									
Average Score	**1**	**2**	**3**	**4**	**5**				
Asset Condition	**Excellent**	**Good**	**Fair**	**Poor**	**Failing**				
Category	**A**	**B**	**C**	**D**	**E**				
Remarks / Requirements									
• No remarks									
Data Collected By: Mr. Tayyab			*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)			
Muncipal Committee Kamalia			
Form: IDAMP-A7	**Sewerage Disposal Station Asset Condition Assessment**		**Asset Code: _____ Date: 02-05-2023**
Asset Detail			**Pictures**
Name		Nawaz Sharif Park Disposal	
Location	**Latitude**	30.710687	
	Longitude	72.675964	
Address		Near Nawaz Sharif Park, Kamalia	
Area (Acres)		1	
Installation Year		2015	
Capital Cost of Machinery			
Outfall Drain Sewer	**Dia**	36 inches	
	Material	RCC	
	No. of Screens	2	

Integrated Development and Asset Management Plan (IDAMP)					
Screening Chamber	**Screen Condition**	Good	Fair	Poor	
	Chamber Structure	Masonary			
Wet Wells	**Number**	2			
	Shape	Rectangular		Circular	
	Size	25’ dia			
	Structure	Masonry		RCC	
	Railing	Yes		No	
Force mains	**No. of Force main**	1			
	Dia	24 inches			
	Material	AC			
	Starting Point	Disposal			
	Ending Point	Irrigation Channel			
	Length	Not-Available			
Sullage Carrier	**Size**	No Sludge Carrier			
	Shape				
	Length				
	Condition				
Delivery Pipe	**Dia**	12 inches			
	Material	CI			
Suction Pipe	**Dia**	12 inches			
	Material	CI			
Number of Valves	**Sluice Valves**	8			
	Non-Return Valves	4			
	Penstock Valves	2			
Ultimate Disposal		Irrigation Channel			
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)		7,363			
Electro-Mechanical Equipment Details					
Number of WAPDA Feeders		1			
Transformer Capacity (kVA)		200			
Number of MCU		4			
Sanctioned Load (kWh)		135			
Power Factor Improvement Equipment		Yes		No	
Service Cable		Yes		No	
Power Wiring		Yes		No	
Earthing of Motor		Yes		No	
Earthing of MCU		Yes		No	







Integrated Development and Asset Management Plan (IDAMP)			
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		Poor		Poor		Poor		Poor	
Motor Brand		Siemens		Siemens		Siemens		Siemens	
Installation Year of Pump		2015		2015		2015		2015	
Discharge Capacity (Cusecs)		5		5		5		3	
Rotational Speed (RPM)		900		900		900		900	
Head (ft.)		66		66		66		66	
Motor Power (HP)		60		60		60		40	
Pump Daily Running Time (Hours)		4		4		4		4	
Base Plate		Yes	No	Yes	No	Yes	No	Yes	No
Number of Valves	**Sluice Valve**	8							
	Non-Returning Valve	4							

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

Remarks / Requirements

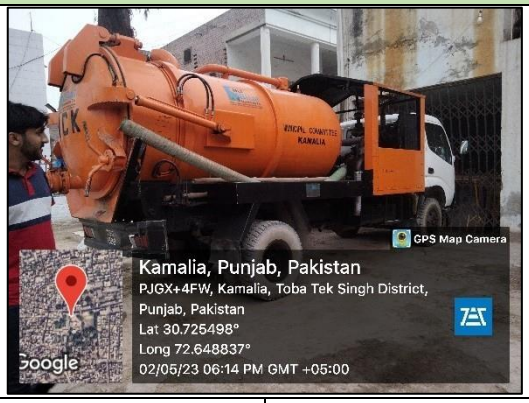
- No remarks

Data Collected By: Mr. Tayyab	*Designation: Team Member*	*Sign & Date: 30 May 2023*
Data Checked By: Mr. M. Fiaz	*Designation: Team Lead*	*Sign & Date: 30 May 2023*

C. Vehicles/ Machinery

Sr #	Name	Registration Number	Age (Years)	Capacity	Condition	Status	Book Value (PKR Mil)
1	Suction Machine	TSG-1399	15	4500 cc	Fair	Functional	0.783
2	Jetting Machine	Vehicle #01	12	4500 cc	Fair	Functional	0.9
3	Dewatering Sets (5 Nos.)	N/A	20	N/A	Good	Functional	2
4	Shoulder Foggers (1 Nos.)	N/A	10	N/A	Fair	Functiona	0.048
5	Spray Pumps (3 Nos.)	N/A	10	N/A	Fair	Functiona	0.014
6	Safety Gear (2 Nos.)	N/A	10	N/A	Fair	Functiona	0.020

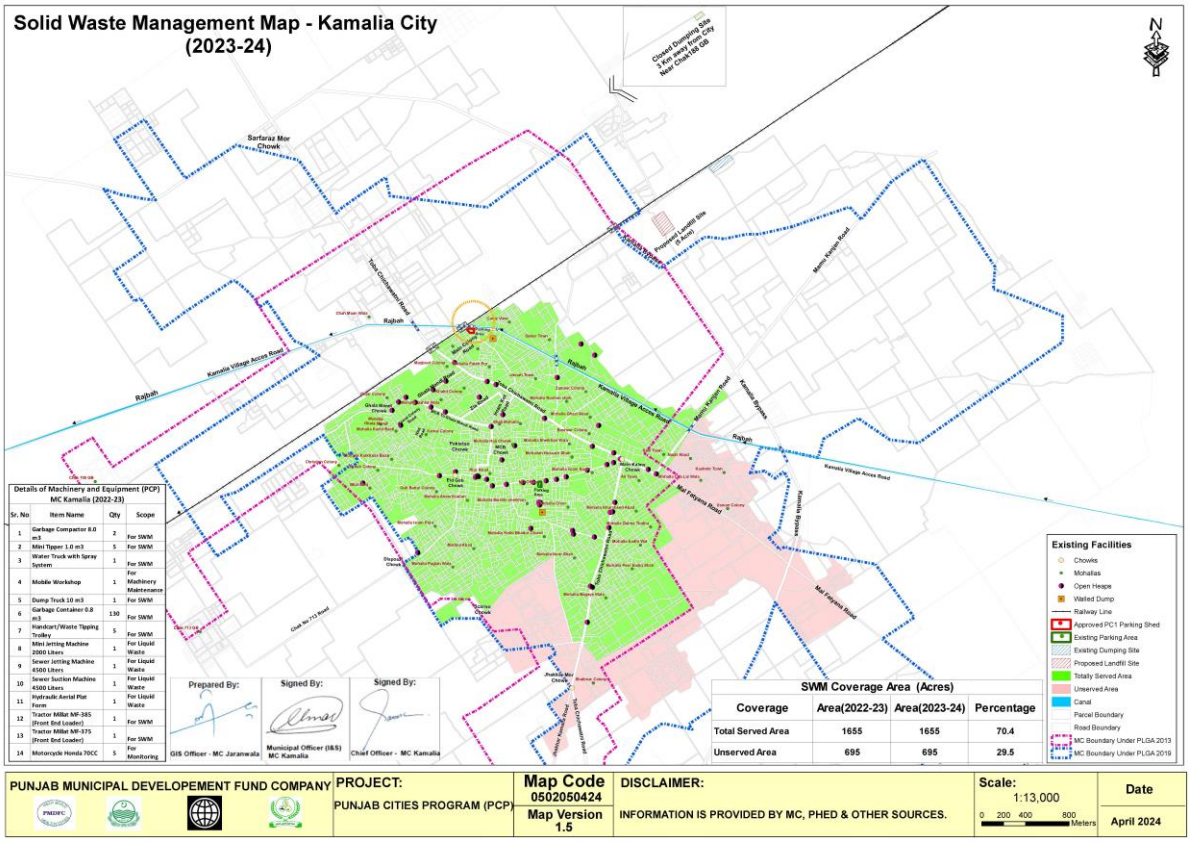
Integrated Development and Asset Management Plan (IDAMP)		
Muncipal Committee Kamalia		
Form: IDAMP-A16	**Moveable Asset** **Asset Condition Assessment**	**Asset Code: _____** **Date: 02-05-2023**

Type of Vehicle / Machinery	**Pictures**	
Suction And Jetting Machine		
	Suction Machine	**Jetting Machine**
Capacity	4500 liters	4500 liters
Purpose	Sewerage	Sewerage
Year of Manufacturing	2008	2011
Model	TSG-1399(Hino-300)	Vehicle #01(Hino-300)
Capital Cost	--	--
Fuel Consumption (litre/month)	271	308
Condition	Fair	Fair
Engine Capacity	4009cc	4009cc
Maintenance Cost	5500	3000
Oiling /Fitness	Yes	Yes
Fitness Certificate	No	No

Registered	Yes	Yes
Remarks / Requirements		
• No remarks		
Data Collected By: Mr. Tayyab	*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 a Solid Waste Management System



A. Dumping Site

Sr #	Name	Age (Years)	Area (Acres)	Condition	Status	Book Value (PKR Mil)
1	54/1 Tukra	23	4	Poor	Functional	263.68

Integrated Development And Asset Management Plan (IDAMP)				
Muncipal Committee Kamalia				
Form: IDAMP-A11	**Solid Waste Dumping Site Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**

Name		Dumping Site		**Pictures**
Location	**Latitude**	30.752035		
	Longitude	72.664062		
Address		54/1 Tukra, Kamalia		
Area (Acres)		4		
Distance from urban area		6 KM		
Year the site started for dumping service		2000		
Average waste dumped daily (based on information provided by MC)		60 Tons		
EHS SOPs for waste handlers		Yes	No	
Availability of PPEs for waste collectors/handlers		Yes	No	
Expected Life (Years)		10		
Land Ownership		Revenue Department		
Site Accessibility		Difficult		
Surface Type		Flat	Depressed	
Approach Road Condition		Good	Fair	Poor
Parking Shed		Yes	No	
Boundary Wall		Yes	No	
Gate		Yes	No	
Ramps		Yes	No	
Any Building at Site		Yes	No	
Weigh Bridge		Yes	No	
Earth Cover Arrangements		Yes	No	
Compaction Equipment		Yes	No	
Plantation Around Site		Yes	No	
Any illegal occupants or encroachments observed- if yes, type		Yes	No	

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

Integrated Development And Asset Management Plan (IDAMP)		
Muncipal Committee Kamalia		
Form: **IDAMP-A11**	**Solid Waste Dumping Site** **Asset Condition Assessment**	**Asset Code: _____** **Date: 02-05-2023**
Remarks / Requirements		
• Construct a parking shed at the dumping site for organized vehicle parking. • Install a boundary wall to secure the dumping site. • Install a gate for controlled access to the dumping site. • Establish a suitable building for administrative and storage purposes. • Install a weigh bridge to monitor waste quantities accurately. • Implement effective earth cover arrangements to minimize odors and litter. • Provide compaction equipment for efficient waste management.		
Data Collected By: Mr. Tayyab	*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	No.	Registration Number	Age (Years)	Capacity	Condition	Status	Book Value (PKR Mil)
1	Tractor(MF-240)	1	Vehicle #03	21	50 HP	Fair	Functional	0.108
2	Fiat-640	1	Vehicle #04	21	64 HP	Fair	Functional	0.153
3	Tractor(MF-240)	1	Vehicle #05	3	50 HP	Fair	Functional	0.09
4	Fiat-640	1	Vehicle #06	18	64 HP	Fair	Functional	0.162
5	Tractor(MF-375) with Front Bucket Loader	1	Not Available	9	75 HP	Fair	Functional	3.71241
6	Tractor- (MF-260) with Front blade	1	Not Available	19	60 HP	Fair	Functional	2.95119
7	Tractor(MF-240)	1	Not Available	3	50 HP	Fair	Functional	0.1
8	Garbage container 0.8 cubic meters capacity	130	Not Applicable	1	0.8 Cubic Meter	Excellent	Functional	0.0792
9	Garbage compactor 8.0 cubic meter capacity	2	Not Applicable	1	8.0 cubic meter	Excellent	Functional	8.6265
10	Mini tipper 1.0 cubic meter	5	Not Available	1	1.0 cubic meter	Excellent	Functional	2.1816
11	Water truck spray system	1	Not Available	1	Not Available	Excellent	Functional	8.3565
12	Hand Cart Waste Tipping Trolley	5	Not Applicable	1	Not Available	Excellent	Functional	0.0765
13	Hand Cart Conventional	8	Not Applicable	1	Not Available	Excellent	Functional	0.03465
14	Mobile workshop	1	Not Available	1	Not Available	Excellent	Functional	2.259
15	Wheel excavator	1	Applied For	1	Not Available	Excellent	Functional	40.383
16	Dump truck 10 cubic meter	1	Not Available	1	10 cubic meter	Excellent	Functional	13.23
17	Three wheeled	5	Not Available	1	0.8 Cubic Meter	Excellent	Functional	0.10935

	conventional handcarts							

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

	Integrated Development and Asset Management Plan (IDAMP)	
	Muncipal Committee Kamalia	
Form: IDAMP-A16	**Moveable Asset Asset Condition Assessment**	**Asset Code: _____ Date: 02-05-2023**

Type of Vehicle / Machinery		**Pictures**
Tractor		

	Tractor no.1	**Tractor no.2**	**Tractor no.3**	**Tractor no4.**	**Tractor no.5**	**Tractor no.6**	**Tractor no.7**
Capacity	240	640	240	640	375	260	260
Purpose	SWM	SWM	SWM	SWM	SWM	SWM	SWM
Year of Manufacturing	2002	2002	2020	2006	2012	2005	2005
Model	Vehicle #03 (MF 240)	Vehicle #04 (FIAT 640)	Vehicle #05 (MF 240)	Vehicle #06 (FIAT 640)	MF 375	MF 260	MF 240
Capital Cost	--	--	--	--	--	--	--
Fuel Consumption (litre/month)	286	301	273	281	272	282	186
Condition	Fair	Fair	Fair	Fair	Fair	Fair	Fair
Engine Capacity	50 hp	64 hp	50 hp	64 hp	75 hp	60 hp	50 hp
Maintenance Cost	10,000	12,000	12,000	12,000	10,000	12,000	10,000
Oiling /Fitness	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fitness Certificate	No	No	No	No	No	No	No
Registered	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Remarks / Requirements

- No remarks

Data Collected By: Mr. Tayyab	*Designation: Team Member*		*Sign & Date: 30 May 2023*
Data Checked By: Mr. M. Fiaz	*Designation: Team Lead*		*Sign & Date: 30 May 2023*

4. Building

A. Offices

Sr #	Name	Age (Years)	Area (Acre)	Condition	Status	Book Value (PKR Mil)
1	MC Office	28	3.23	Fair	Functional	325.5

Integrated Development and Asset Management Plan (IDAMP)			
Muncipal Committee Kamalia			
Form: IDAMP-A14	Building Asset Condition Assessment		Asset Code: _____ Date: 02-05-2023

Name		MC Office	**Pictures**
Location	**Latitude**	30.72546	
	Longitude	72.648546	
Address		Iqbal Bazaar, Kamalia	
Year of Construction		1995	
Land Area (Acres)		3.23	
No. of Stories		1	
Condition		Fair	
Purpose		Muncipal Services	
No. of Staff		271	
No. of Rooms		25	
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**

Integrated Development and Asset Management Plan (IDAMP)					
Muncipal Committee Kamalia					
Form: IDAMP-A14	Building Asset Condition Assessment			Asset Code: _____ Date: 02-05-2023	
Category	A	B	C	D	E
Remarks / Requirements					
Data Collected By: Mr. Tayyab		*Designation: Team Member*		 *Sign & Date: 30 May 2023*	
Data Checked By: Mr. M. Fiaz		*Designation: Team Lead*		 *Sign & Date: 30 May 2023*	

B. Residential Buildings

Sr #	Name	Age	Area (Acre)	Condition	Book value (PKR Mil)
1	Iqbal Bazaar	N/A	0.002	Fair	0.52
2	Islam Pura	N/A	0.075	Fair	3.2
3	Zeeshan Colony	N/A	0.012	Fair	1.4

C. Shops

Sr #	Name	Nos.	Age (Years)	Area per Shop (Sq.ft)	Condition	Status	Book Value
1	Iqbal Bazaar	105	1981	150	Fair	Functional	0.3
2	Railway Road Near Eid Gah	12	1991	96	Fair	Functional	0.3
3	Nawaz Chowk	1	1991	60	Fair	Functional	0.3
4	Saddar Bazar	1	1982	90	Fair	Functional	0.3

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamalia														
Form: IDAMP-A17					Shop Asset Condition Assessment								Asset Code: _____ Date: 02-05-2023	
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	01001	Iqbal Bazar, Kamalia	30.72572587	72.64836822	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Ghafoor	Karyana Store
2	01002	Iqbal Bazar, Kamalia	30.72566135	72.648387 6	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Dildar Ahmad & Gulzar Ahmad	Waan Shop
3	01003	Iqbal Bazar, Kamalia	30.72570907	72.64845976	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Riaz	Mobile shop

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamalia														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 02-05-2023		
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**
4	01004	Iqbal Bazar, Kamalia	30.72548653	72.64853519	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ghulam Qadir	Cloth Shop
5	01005	Iqbal Bazar, Kamalia	30.72574504	72.64866875	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Sajid	Electronics Shop
6	01006	Iqbal Bazar, Kamalia	30.72575672	72.64867785	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Abid	Electronics Shop
7	01007	Iqbal Bazar, Kamalia	30.72581009	72.6493021	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Ghani	Electric Store
8	01008	Iqbal Bazar, Kamalia	30.72578534	72.64927039	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Shareef	Photo Studio
9	01009	Iqbal Bazar, Kamalia	30.72571754	72.64932438	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shah Nawaz	cloth store
10	01010	Iqbal Bazar, Kamalia	30.7257469	72.64936659	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Akram	Tailor Shop
11	01011	Iqbal Bazar, Kamalia	30.72585214	72.64941869	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Usman	Crockery
12	01012	Iqbal Bazar, Kamalia	30.72575898	72.64945745	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Javed Iqbal	Cloth Shop
13	01013	Iqbal Bazar, Kamalia	30.72570541	72.64945419	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Saleem	Cloth Shop

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamalia														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 02-05-2023		
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**
14	01014	Iqbal Bazar, Kamalia	30.72573114	72.64876296	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Mian Muhammad Tufial	Book Depot
15	01015	Iqbal Bazar, Kamalia	30.72570943	72.648778	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Hafiz	Photo Studio
16	01016	Iqbal Bazar, Kamalia	30.72571889	72.6488151	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Hafiz	Cloth Shop
17	01017	Iqbal Bazar, Kamalia	30.72572271	72.64881687	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Liaqat Ali	Cloth Shop
18	01018	Iqbal Bazar, Kamalia	30.72560257	72.64863628	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Shaban	Cloth Shop
19	01019	Iqbal Bazar, Kamalia	30.72570278	72.64886796	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ijaz Hussain	Shoes Shop
20	01020	Iqbal Bazar, Kamalia	30.72575015	72.64892907	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Hakimana Ullah	Cloth Shop
21	01021	Iqbal Bazar, Kamalia	30.72573402	72.64892508	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Farooq Habib	Book Depot
22	01022	Iqbal Bazar, Kamalia	30.72572635	72.64915389	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Pervez Iqbal	Cloth Shop
23		Iqbal Bazar, Kamalia	30.72575564	72.64911246	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Pervez Iqbal	Cloth Shop

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamalia														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 02-05-2023		
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	01023	Iqbal Bazar, Kamalia	30.72576399	72.64902519	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Rana Ikram Sajid	Cloth Shop
25	01024	Iqbal Bazar, Kamalia	30.7257512	72.64906394	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Liaqat Ali	mobile shop
26	01025	Iqbal Bazar, Kamalia	30.72566467	72.6491348	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Amir Shahzad	Cloth Shop
27	01026	Iqbal Bazar, Kamalia	30.72571248	72.64923008	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Gulzar Ahmad	Mobile Shop
28	01027	Iqbal Bazar, Kamalia	30.72573557	72.64927132	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Naeem Muhammad Akhtar	cloth shop
29	01028	Iqbal Bazar, Kamalia	30.7257307	72.64926907	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Faqir Ullah	Cloth Shop
30	01029	Iqbal Bazar, Kamalia	30.72576296	72.64936193	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shah Nawaz	Cloth Shop
31	01030	Iqbal Bazar, Kamalia	30.72571993	72.64937493	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ghulam Muhammad Etc.	Shoes Shop
32	01031	Iqbal Bazar, Kamalia	30.72573135	72.6493304	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ali Muhammad	Tea Stall

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamalia														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 02-05-2023		
SR.	**Shop Code**	**Property Address**	**Latitude**	**Longitude**	**Area (Sqft)**	**No of Stories**	**Property Location Status**	**Ownership Status**	**Encroachment Status**	**Litigation Exist**	**Current Status**	**Condition**	**Tenant Name**	**Business**
33	01032	Iqbal Bazar, Kamalia	30.72573021	72.64934501	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abid Hassan	Books Store
34	01033	Iqbal Bazar, Kamalia	30.72572699	72.64935949	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Ramzan	Medical Store
35	01034	Iqbal Bazar, Kamalia	30.72573593	72.64937261	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Bashir Ahmad	Cycle Repair
36	01035	Iqbal Bazar, Kamalia	30.72571629	72.64943273	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Munir Ahmad	Hakeem Shop
37	01036	Iqbal Bazar, Kamalia	30.72579313	72.64946137	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haji Rafia Bibi	Garments Shop
38	01037	Iqbal Bazar, Kamalia	30.72583095	72.64956923	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haji Rehmat Ali	Mobile Shop
39	01038	Iqbal Bazar, Kamalia	30.72583692	72.64963523	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haji Hanif	Cloth Shop
40	01039	Iqbal Bazar, Kamalia	30.72583359	72.64964053	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haji Bashir Ahmad	Cloth Shop
41	01040	Iqbal Bazar, Kamalia	30.7258383	72.64967555	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Pervez Akhtar	Hakeem
42	01041	Iqbal Bazar, Kamalia	30.72585424	72.64974454	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sajjad Ahmad	Medical Store

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamalia														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 02-05-2023		
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**
43	01042	Iqbal Bazar, Kamalia	30.72598276	72.64964505	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Mohsin Javed	Medical Store
44	01043	Iqbal Bazar, Kamalia	30.72589722	72.64976842	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sardar Ahmad	Book Depo
45	01044	Iqbal Bazar, Kamalia	30.72587637	72.64981866	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Faheem	Darii Khais
46	01045	Iqbal Bazar, Kamalia	30.72586252	72.64982057	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Rana Haji Muhammad Yaqub	Darii Khais
47	01046	Iqbal Bazar, Kamalia	30.72592904	72.64983896	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Mustafa	Darri Khais
48	01047	Iqbal Bazar, Kamalia	30.72588594	72.64987417	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shabbir Ahmad	Cloth Shop
49	01048	Iqbal Bazar, Kamalia	30.72581164	72.65003753	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Gul Faraz	Mobile Shop
50	01049	Iqbal Bazar, Kamalia	30.72587452	72.65006802	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Saeed Akhtar	Cloth Shop
51	01050	Iqbal Bazar, Kamalia	30.72591233	72.65003045	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Faisal Nadeem	Cloth Shop
52	01051	Iqbal Bazar, Kamalia	30.72600539	72.65008932	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Zain Hussain	Cloth Shop

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamalia														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 02-05-2023		
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**
53	01052	Iqbal Bazar, Kamalia	30.72595994	72.65012231	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ghulam Mustafa	Cloth Shop
54	01053	Iqbal Bazar, Kamalia	30.72591768	72.65015796	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Fazal Hussain	Jewllers Shop
55	01054	Iqbal Bazar, Kamalia	30.72595925	72.65025269	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shahid Ali	General Store
56		Iqbal Bazar, Kamalia	30.72592496	72.65027217	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ahmad Raza	Cloth Shop
57	01055	Iqbal Bazar, Kamalia	30.72589247	72.65027387	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ahmad Raza	Cloth Shop
58	01056	Iqbal Bazar, Kamalia	30.72588627	72.65028562	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Natthoo	General Store
59	01057	Iqbal Bazar, Kamalia	30.72583847	72.65025346	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Mian Ghulam Ali	Jewllers Shop
60	01058	Iqbal Bazar, Kamalia	30.72599078	72.65038007	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sardar Ali	Jewelry Shop
61	01059	Iqbal Bazar, Kamalia	30.72597141	72.65041683	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Anwar	Meet shop
62	01060	Iqbal Bazar, Kamalia	30.72601312	72.65046394	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Noor Ahmad, Muhamm	Jewllers Shop

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamalia														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 02-05-2023		
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**
													ad Ali, Wajid Ali	
63	01062	Iqbal Bazar, Kamalia	30.72599702	72.65050155	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Rashid Ali	Shoes Shop
64	01061	Iqbal Bazar, Kamalia	30.72603437	72.65066414	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Amin	Cloth Shop
65	01063	Iqbal Bazar, Kamalia	30.72603179	72.65059948	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Zulfiqar Ali	Crockery
66	01064	Iqbal Bazar, Kamalia	30.7259827	72.65053654	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Mushtaq Hussain	General Store
67	01065	Iqbal Bazar, Kamalia	30.72598767	72.65049729	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Nazar Hussain	Jewllers Shop
68	01066	Iqbal Bazar, Kamalia	30.72589926	72.65053534	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Irfan Hussain	Jewllers Shop
69	01067	Iqbal Bazar, Kamalia	30.72598498	72.65042567	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Hussain	Crockery
70	01068	Iqbal Bazar, Kamalia	30.72596073	72.65042893	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ijaz Hussain	Cloth House
71	01069	Iqbal Bazar, Kamalia	30.72587613	72.65042541	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Yasin	Photo Studio

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamalia														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 02-05-2023		
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**
72	01070	Iqbal Bazar, Kamalia	30.72587491	72.65036426	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammd Sharif	Cycle Repair
73	01071	Iqbal Bazar, Kamalia	30.72593726	72.65025566	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Umar Farooq	Store
74	01072	Iqbal Bazar, Kamalia	30.72597881	72.65029012	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Ali	Jewllers Shop
75	01073	Iqbal Bazar, Kamalia	30.72596181	72.65025744	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Noor Muhammad	Garments+ Bag
76	01074	Iqbal Bazar, Kamalia	30.72594276	72.65019411	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Ali	Darri Khais
77	01075	Iqbal Bazar, Kamalia	30.72594769	72.65018639	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Siddiq	Mobile Shop
78	01076	Iqbal Bazar, Kamalia	30.72594672	72.65018205	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Iqbal	Mobile Shop
79	01077	Iqbal Bazar, Kamalia	30.72594483	72.65018025	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ali Muhammad	Mobile Store
80		Iqbal Bazar, Kamalia	30.72590111	72.65006549	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haji Muhammad Nawaz	General Store
81		Iqbal Bazar, Kamalia	30.72589604	72.65006108	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ghulam Sarwer	Band Baja

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamalia														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 02-05-2023		
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**
82		Iqbal Bazar, Kamalia	30.72589727	72.6500577	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haji Muhammad Anwar Ul Haq	wann patii shop
83		Iqbal Bazar, Kamalia	30.72589447	72.65005109	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haji Iftikhar Rasool	Overlook
84		Iqbal Bazar, Kamalia	30.72589219	72.6500428	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Arif Hussain	Jewllers Shop
85		Iqbal Bazar, Kamalia	30.72586862	72.64997526	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Malik Muhammad Boota	shoes Shop
86		Iqbal Bazar, Kamalia	30.72587874	72.6499297	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Akram	Vegetable Shop
87		Iqbal Bazar, Kamalia	30.7259171	72.64997157	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shabbir Ahmad	Shoes Shop
88		Iqbal Bazar, Kamalia	30.72587764	72.64992806	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shabbir Ahmad	Cloth Shop
89		Iqbal Bazar, Kamalia	30.72581574	72.64952603	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Talib Hussain	Mobile Shop
90		Iqbal Bazar, Kamalia	30.72579456	72.64953003	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haji Abdul Rasheed	Cloth Shop

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamalia														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 02-05-2023		
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**
91		Sadar Bazar Kamalia	30.72556316	72.64793759	90	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Abdul Majeed	Paan Shop
92	04004	Iqbal Bazar, Kamalia	30.72572871	72.64840183	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Zubair	Store
93	04005	Iqbal Bazar, Kamalia	30.72572385	72.64842477	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sk. Abdul Hamid	Cloth Shop
94	04009	Iqbal Bazar, Kamalia	30.72575594	72.64862064	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Tanvir Arshad	Cloth Shop
95	04008	Iqbal Bazar, Kamalia	30.72581989	72.64859064	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Hadayat Ullah	Cloth Shop
96		Iqbal Bazar, Kamalia	30.72584858	72.64861043	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Riaz	Photostate Shop
97	04010	Iqbal Bazar, Kamalia	30.7258982	72.64859804	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ummar Hayyat	Cloth Shop
98	04011	Iqbal Bazar, Kamalia	30.72589513	72.64861477	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Din	Tailor Shop
99	04012	Iqbal Bazar, Kamalia	30.72593727	72.648629	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Arshad Javed	Cloth Shop
100	04013	Iqbal Bazar, Kamalia	30.7259372	72.64862274	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ilam Din	Tea Stall

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamalia														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 02-05-2023		
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**
101	04001	Iqbal Bazar, Kamalia	30.72595209	72.64861896	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ghulam Muhammad	Tailor Shop
102		Nawaz Chowk, Kamalia	30.72663419	72.64906493	60	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Haq Nawaz	parking
103	04002	Iqbal Bazar, Kamalia	30.72572451	72.64837364	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Noor Hussain	Fast Food Point
104	04003	Iqbal Bazar, Kamalia	30.7257602	72.64851201	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Nazir Ahmad Saleemi	Cloth Shop
105	04006	Iqbal Bazar, Kamalia	30.72571869	72.64863203	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sk. Abdul Hamid	Cloth Shop
106	04007	Iqbal Bazar, Kamalia	30.7256971	72.64846347	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Hamid	Cloth Shop
107	05007	Railway Road Near Eid Gah, Kamalia	30.72658466	72.640534 3	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shabbir Hussain Dar	Travel Agency
108	05008	Railway Road Near	30.7266236	72.64041138	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shabbir Hussain Dar	Travel Agency

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamalia														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 02-05-2023		
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**
		Eid Gah, Kamalia												
109	05006	Railway Road Near Eid Gah, Kamalia	30.72655736	72.64048259	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Rafiq	departmental store
110	05005	Railway Road Near Eid Gah, Kamalia	30.72653165	72.64047893	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Saleem	Barbar Shop
111	05001	Railway Road Near Eid Gah, Kamalia	30.72640426	72.64043558	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Rana Muhammad Hanif	Fruit Shop
112	05003	Railway Road Near Eid Gah, Kamalia	30.72643986	72.64047914	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Kashif Illyas	Auto Workshop
113	05002	Railway Road Near Eid Gah, Kamalia	30.72649536	72.64045357	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Kashif Illyas	Auto Workshop
114	05004	Railway Road Near	30.72654135	72.64043537	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Liaqat Ali	Cooling center

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamalia														
Form: IDAMP-A17					Shop Asset Condition Assessment							Asset Code: _____ Date: 02-05-2023		
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**
		Eid Gah, Kamalia												
115	05009	Railway Road Near Eid Gah, Kamalia	30.7266257	72.64038894	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	welding shop	Tent Service
116	05010	Railway Road Near Eid Gah, Kamalia	30.72665403	72.64051269	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhammad Anwar	Store
117	05011	Railway Road Near Eid Gah, Kamalia	30.7266755	72.64050887	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Rehman	Store
118	05012	Railway Road Near Eid Gah, Kamalia	30.72666239	72.64047758	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Rasheed	Babar shop
119		Iqbal Bazar, Kamalia	30.72574965	72.64869324	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ali Raza /Abdul Majeed Babu	Cloth Shop
Average Score		**1**			**2**			**3**			**4**		5	

Integrated Development and Asset Management Plan (IDAMP)														
Municipal Committee Kamalia														
Form: IDAMP-A17					**Shop Asset Condition Assessment**								**Asset Code: _____ Date: 02-05-2023**	
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**
Asset Condition		**Excellent**			**Good**			**Fair**			**Poor**		Failing	
Category		**A**			**B**			**C**			**D**		E	
Data Collected By: Mr. Tayyab					*Designation: Team Member*						*Sign & Date: 30 May 2023*			
Data Checked By: Mr. M. Fiaz					*Designation: Team Lead*						*Sign & Date: 30 May 2023*			

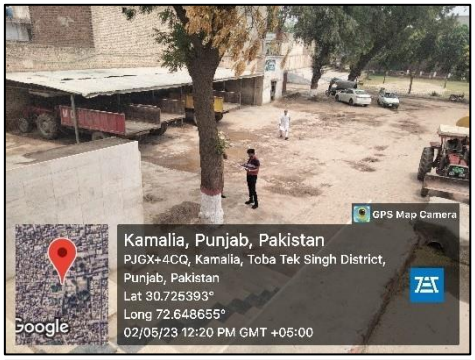
D. Other Buildings

Sr #	Name	Age (Years)	Area (Acre)	Condition	Status	Book Value (PKR Mil)
1	Old Fire Brigade Office (Zeeshan Colony)	43	0.125	Failing	Non-Functional	10.5
2	Garage(Iqbal Bazaar)	28	0.04	Fair	Functional	3.36
3	Ex Police Chowki (Iqbal Bazaar)	20	0.0625	Poor	Non-Functional	6.3

Integrated Development and Asset Management Plan (IDAMP)			
Muncipal Committee Kamalia			
Form: IDAMP-A14	**Building Asset Condition Assessment**		**Asset Code: _____ Date: 02-05-2023**
Name		Fire Brigade	**Pictures**
Location	**Latitude**	30.737756	
	Longitude	72.644245	
Address		Zeeshan Colony, Kamalia	
Year of Construction		1980	
Land Area (Acres)		Not Available	
No. of Stories		1	
Condition		Failing	
Purpose		Fire Brigade	
No. of Staff		0	
No. of Rooms		0	
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

Integrated Development and Asset Management Plan (IDAMP)					
Muncipal Committee Kamalia					
Form: IDAMP-A14	Building Asset Condition Assessment				Asset Code: _____ Date: 02-05-2023
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					
• The building has remained non-functional for an extended period due to the municipal corporation utilizing the office's garage space to park Fire Brigade vehicles					
Data Collected By: Mr. Tayyab	*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)				
Muncipal Committee Kamalia				
Form: IDAMP-A14	Building Asset Condition Assessment			Asset Code: _____ Date: 02-05-2023
Name		Garage		Pictures
Location	Latitude	30.725506		
	Longitude	72.64883		
Address		Iqbal Bazaar, Kamalia		
Year of Construction		1995		
Land Area (Acres)		0.04		
No. of Stories		1		
Condition		Fair		
Purpose		Parking of MC Vehicles		
No. of Staff		--		
No. of Rooms		--		
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	

Integrated Development and Asset Management Plan (IDAMP)			
Muncipal Committee Kamalia			
Form: IDAMP-A14	**Building Asset Condition Assessment**		**Asset Code: _____ Date: 02-05-2023**
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

- This building is used for the parking of MC vehicles.

Data Collected By: Mr. Tayyab	*Designation: Team Member*	*Sign & Date: 30 May 2023*
Data Checked By: Mr. M. Fiaz	*Designation: Team Lead*	

Integrated Development and Asset Management Plan (IDAMP)		
Muncipal Committee Kamalia		
Form: IDAMP-A14	Building Asset Condition Assessment	Asset Code: _____ Date: 02-05-2023
		Sign & Date: 30 May 2023

Integrated Development and Asset Management Plan (IDAMP)				
Muncipal Committee Kamalia				
Form: IDAMP-A14		Building Asset Condition Assessment		Asset Code: _____ Date: 02-05-2023
Name		Ex Police Chowki		**Pictures**
Location	**Latitude**	30.725734		
	Longitude	72.648484		
Address		Iqbal Bazaar, Kamalia		
Year of Construction		2003		
Land Area (Acres)		Not Available		
No. of Stories		1		
Condition		Poor		
Purpose		Non-Functional		
No. of Staff		0		
No. of Rooms		0		
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					

Integrated Development and Asset Management Plan (IDAMP)		
Muncipal Committee Kamalia		
Form: **IDAMP-A14**	**Building** **Asset Condition Assessment**	**Asset Code: _____** **Date: 02-05-2023**
• The building is in poor condition and non-functional for a long time		
Data Collected By: Mr. Tayyab	*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. Slaughter House

Sr #	Name	Age (Years)	Area (Acre)	Condition	Status	Book Value (PKR Mil)
1	Slaughter House (Klasan)	33	0.38	Fair	Functional	60

Integrated Development and Asset Management Plan (IDAMP)				
Muncipal Committee Kamalia				
Form: IDAMP-A15	Slaughterhouse Asset Condition Assessment			Asset Code: _____ Date: 02-05-2023
Name		Slaughter House		Pictures
Location	Latitude	30.73776		
	Longitude	72.630125		
Address		Nilkian Wala Road,Kamalia		
Year of Construction		1990		
Total Area (Acres)		0.38		
Ownership		MC		
Slaughter Capacity (Per Day)	Larger Animals	15		
	Smaller Animals	35		
Supervisor		Yes	No	
Doctor's Room		Yes	No	
Inhabitation Facility		Yes	No	
Slaughtering Hall		Yes	No	
Evisceration Hall		Yes	No	
Meat Cutting Room		Yes	No	
Blood Collection Arrangements		Yes	No	
Skin Storage Room		Yes	No	
Tools Disinfectant System		Yes	No	
Health and Hygiene SOPs		Yes	No	
Refrigeration / Storage System		Yes	No	
Separate Facility for Sick Animals		Yes	No	
Water Supply System		Yes	No	
Drainage & Disposal Facility		Yes	No	
Solid Waste Collection Facility		Yes	No	
Boundary Wall & Gate		Yes	No	
Approach Road Condition		Good	Fair	Poor
Civil Structure Condition		Good	Fair	Poor

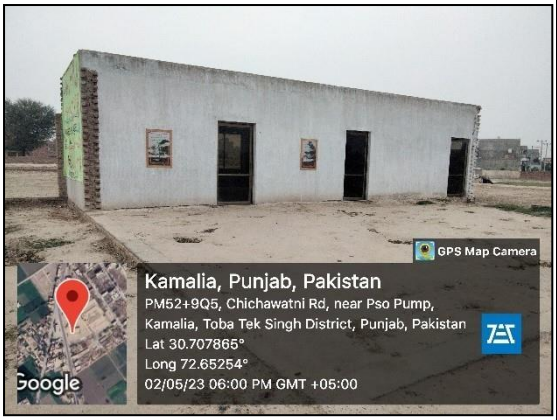
Overall Rating					
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing

Category	A	B	C	D	E
Remarks / Requirements					
• Ensure the establishment of efficient blood collection arrangements. • Set up a dedicated skin storage room for hygienic purposes. • Implement a reliable tools disinfectant system. • Develop and enforce comprehensive health and hygiene standard operating procedures (SOPs). • Install a robust refrigeration and storage system for proper preservation..					
Data Collected By: Mr. Tayyab		*Designation: Team Member*		 *Sign & Date: 30 May 2023*	
Data Checked By: Mr. M. Fiaz		*Designation: Team Lead*		 *Sign & Date: 30 May 2023*	

B. Bus Stand

Sr #	Name	Area (Acre)	Condition	Status	Book Value (PKR Mil)
1	General Bus Stand	1.18	Yet to be constructed		94

Integrated Development and Asset Management Plan (IDAMP)				
Muncipal Committee Kamalia				
Form: IDAMP-A12	Bus Stand Asset Condition Assessment			Asset Code: _____ Date: 02-05-2023
Name		General Bus Stand		Pictures
Location	Latitude	30.707661		
	Longitude	72.652426		
Address		Chicha Watni Road		
Year of Construction		Yet to be Constructed		
Last Major Renovation				
Area		9 Kanal 6 Marla		
Ownership		MC		
Class		A / B / C / D		
Designed Capacity of Vehicles	Buses			
	Coasters			
	Wagons			
Daily parking of vehicles (based on information provided by MC)	Buses			
	Coasters			
	Wagons			
	Rickshaws			
Distance from the urban area				
Security	At Entry	Yes	No	
	At Exit	Yes	No	
Gate	At Entry	Yes	No	
	At Exit	Yes	No	
Waiting Area	Men	Yes	No	
	Families	Yes	No	
Washroom	Male	Yes	No	
	Female	Yes	No	
Prayer Room	Male	Yes	No	
	Female	Yes	No	
Administration Office		Yes	No	
Parking Stand	Rickshaw	Yes	No	
	Cars	Yes	No	
Fuel Outlets		Yes	No	
Reception Desk		Yes	No	
Ticketing System		Yes	No	
Tuck Shop		Yes	No	



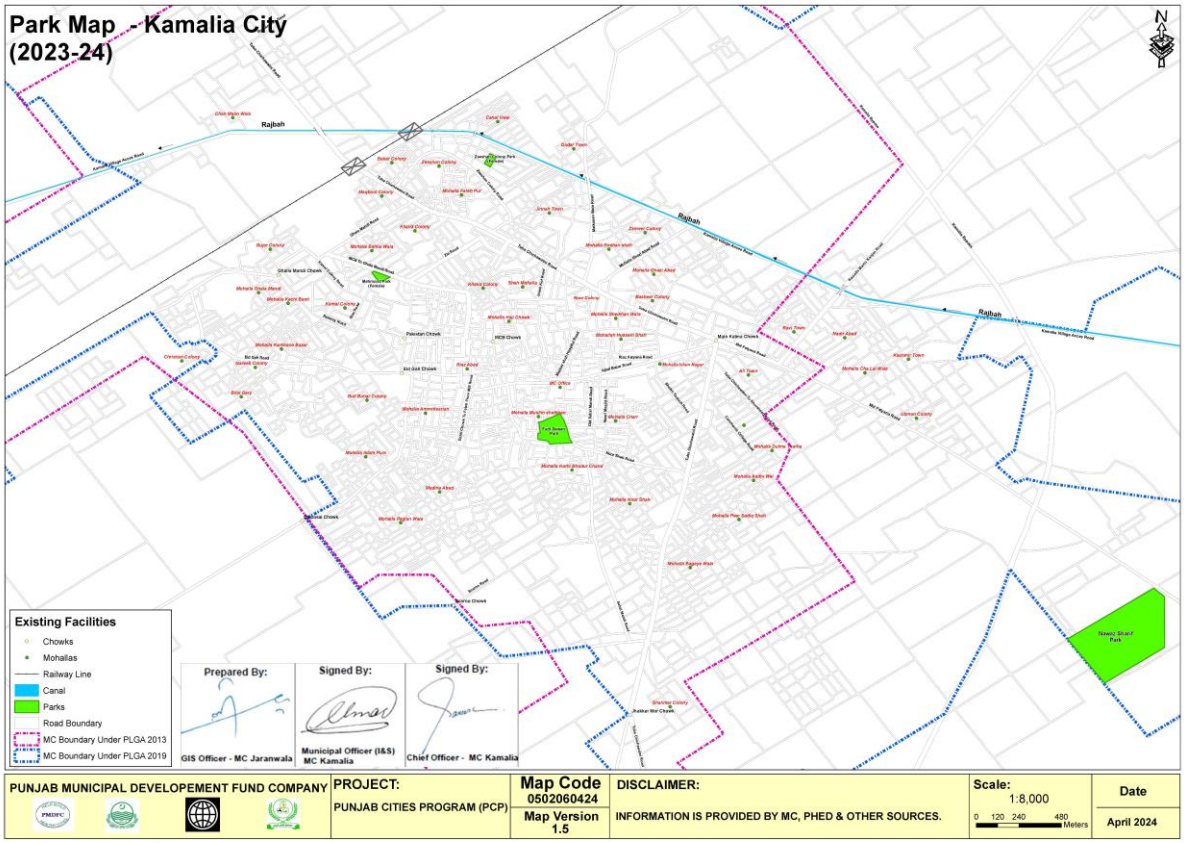
Integrated Development and Asset Management Plan (IDAMP)					
Muncipal Committee Kamalia					
Form: IDAMP-A12	**Bus Stand Asset Condition Assessment**				**Asset Code: _____ Date: 02-05-2023**
Workshop		Yes	No		
Ablution Area		Yes	No		
Pedestrian		Yes	No		
Green Spaces		Yes	No		
Water Drinking Arrangement		Yes	No		
Water Disposal Arrangement		Yes	No		
Boarding Shed		Yes	No		
Workshops		Yes	No		
Lighting					
Boundary Wall		Yes	No		
Flooring & Pavement	**Type**				
	Condition	Good	Fair	Poor	

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

Remarks / Requirements
• No remarks

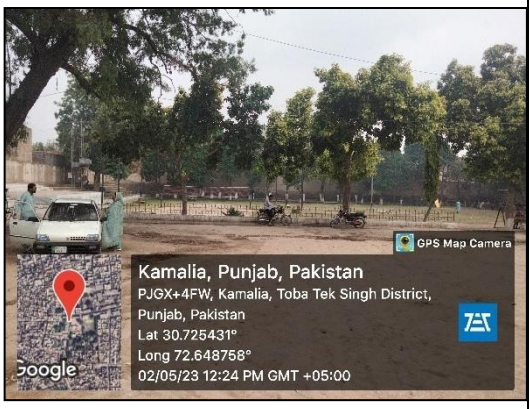
Data Collected By: Mr. Tayyab	*Designation: Team Member*	 *Sign & Date: 30 May 2023*
Data Checked By: Mr. M. Fiaz	*Designation: Team Lead*	 *Sign & Date: 30 May 2023*

C. Parks



Sr #	Name	Age	Area (Acre)	Condition	Status	Book Value (PKR Mil)
1	MC Office	N/A	1	Fair	Functional	99.84
2	Jinnah park	N/A	4	Good	Functional	399.36
3	Zeeshan Colony	N/A	0.5	Fair	Functional	49.92
4	Lady Park	N/A	0.75	Fair	Functional	62.4
5	Nawaz Sharif Park	N/A	12	Poor	Functional	794.56

Integrated Development and Asset Management Plan (IDAMP)					
Muncipal Committee Kamalia					
Form: IDAMP-A10	**Park Asset Condition Assessment**				**Asset Code: _____ Date: 02-05-2023**
Name		MC Office			**Pictures**
Location	**Latitude**	30.725431			
	Longitude	72.648758			
Area In Acres		1			
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)		200			
Any illegal occupants or encroachments observed-if yes, type		Yes		No	
Security system		Yes		No	
Watering & Irrigation					
Tube Well		Yes		No	
Water Supply from Municipal System		Yes		No	
Water Tank		Yes		No	
Pumping Unit		Yes		No	
Distribution Pipe Lines		Yes		No	
Valves		Yes		No	
Sprinkler System		Yes		No	
Ground water storage reservoirs/ponds		Yes		No	
Landscaping & Plantation					
Grass Beds		Yes		No	
Flower Beds		Yes		No	
Hedges		Yes		No	
Plants		Yes		No	
Number of trees and species (based on readily available information at MC)		50			
Lights					
Total Number		15			
Poles		Yes		No	
Cables		Yes		No	
Brackets And Lights		Yes		No	
Bulbs And Tubes		Yes		No	
Control Units		Yes		No	
Structures					
No. of Toilets	Gents	2			



	Ladies	1	
Condition of Toilets	Gents	Good	
	Ladies	Good	
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		Fair	
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)		No	
Water Pipes		Yes	No
HR			
Security Guards		Yes	No
Landscape Experts		Yes	No
Mali / Beldaar (Number)		Yes	No

Overall Rating

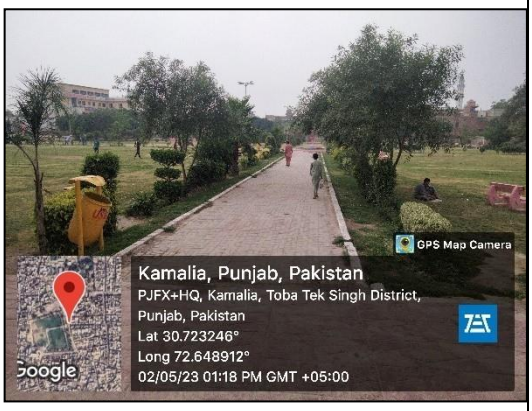
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	A	B	C	D	E

Remarks / Requirements

- Install children's games in the park for recreational activities.
- Create flower beds to enhance the park's visual appeal.
- Install a sprinkler system for efficient landscape maintenance.
- Seek input from landscape experts for park improvements.
- Ensure regular maintenance of park facilities for optimal functionality.

Data Collected By: Mr. Tayyab	*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)					
Muncipal Committee Kamalia					
Form: IDAMP-A10	**Park Asset Condition Assessment**				**Asset Code: _____ Date: 02-05-2023**
Name		Jinnah Park			**Pictures**
Location	**Latitude**	30.723214			
	Longitude	72.648898			
Area In Acres		4			
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)		300			
Any illegal occupants or encroachments observed-if yes, type		Yes		No	
Security system		Yes		No	
Watering & Irrigation					
Tube Well		Yes		No	
Water Supply from Municipal System		Yes		No	
Water Tank		Yes		No	
Pumping Unit		Yes		No	
Distribution Pipe Lines		Yes		No	
Valves		Yes		No	
Sprinkler System		Yes		No	
Ground water storage reservoirs/ponds		Yes		No	
Landscaping & Plantation					
Grass Beds		Yes		No	
Flower Beds		Yes		No	
Hedges		Yes		No	
Plants		Yes		No	
Number of trees and species (based on readily available information at MC)		400			
Lights					
Total Number		40			
Poles		Yes		No	
Cables		Yes		No	
Brackets And Lights		Yes		No	
Bulbs And Tubes		Yes		No	
Control Units		Yes		No	
Structures					



No. of Toilets	Gents	0	
	Ladies	0	
Condition of Toilets	Gents	Nil	
	Ladies	Nil	
Buildings		Yes	No
Fountains & Water Fall Structure		Yes	No
Walkways		Yes	No
Jogging tracks		Yes	No
Ramps at entry gates for wheel chairs		Yes	No
Bridges & Culverts		Yes	No
Play Area		Yes	No
Gazebos		Yes	No
Benches/ sitting arrangements		Yes	No
Boundary Wall & Gate		Yes	No
Toilets		Yes	No
Lakes & Brooks		Yes	No
Mechanical Equipment			
Pumping Units		Yes	No
Swings		Yes	No
Children Games		Yes	No
Fixtures		Yes	No
Benches		Yes	No
Sanitation & Water Supply			
Litter Bins		Yes	No
Condition of SWM		Good	
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)		No	
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

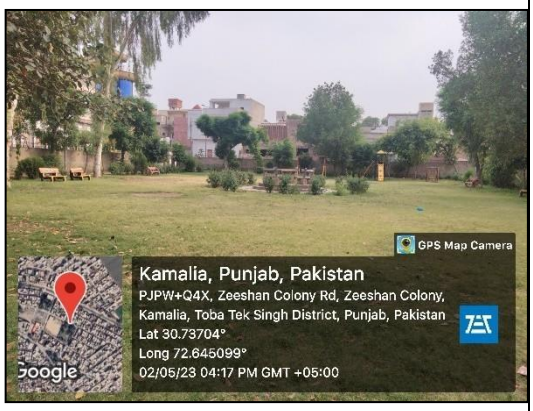
Remarks / Requirements

- Install ramps for wheelchair accessibility at entry gates.
- Provide ample parking lots near the park.
- Include a canteen or food service area within the park.
- Create flower beds for enhanced park aesthetics.
- Seek expertise from landscape experts for park design and maintenance.

Data Collected By: Mr. Tayyab	*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)				
Muncipal Committee Kamalia				
Form: IDAMP-A10	**Park Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**
Name		Zeeshan Colony		**Pictures**
Location	**Latitude**	30.737034		
	Longitude	72.645273		
Area In Acres		0.5		
Ownership-Owned by MC or possession allocated to MC by any other department (documents available)		MC		
Turfing Condition		Good	Fair	Poor
Approach Road		Good	Fair	Poor
Parking Lots		Yes		No
Canteen Availability		Yes		No
Average number of daily visitors (based on the assessment of MC staff)		100		
Any illegal occupants or encroachments observed-if yes, type		No		
Security system		Yes		No
Watering & Irrigation				
Tube Well			Yes	No
Water Supply from Municipal System			Yes	No
Water Tank			Yes	No
Pumping Unit			Yes	No
Distribution Pipe Lines			Yes	No
Valves			Yes	No
Sprinkler System			Yes	No
Ground water storage reservoirs/ponds			Yes	No
Landscaping & Plantation				
Grass Beds			Yes	No
Flower Beds			Yes	No
Hedges			Yes	No
Plants			Yes	No
Number of trees and species (based on readily available information at MC)			50	
Lights				
Total Number			6	
Poles			Yes	No
Cables			Yes	No
Brackets And Lights			Yes	No
Bulbs And Tubes			Yes	No
Control Units			Yes	No



Structures			
No. of Toilets	Gents	Nil	
	Ladies	Nil	
Condition of Toilets	Gents	Nil	
	Ladies	Nil	
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		Poor	
Toilet Fixtures		Yes	No
Sewerage System		Yes	No
Vegetation Cuttings & Disposal		Yes	No
Drinking water availability and quality (based on availability of water quality test reports)		No	
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

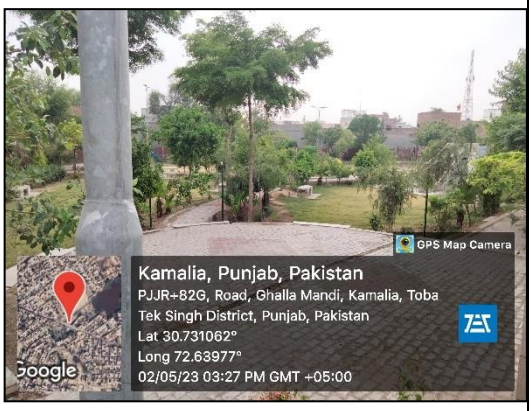
Remarks / Requirements

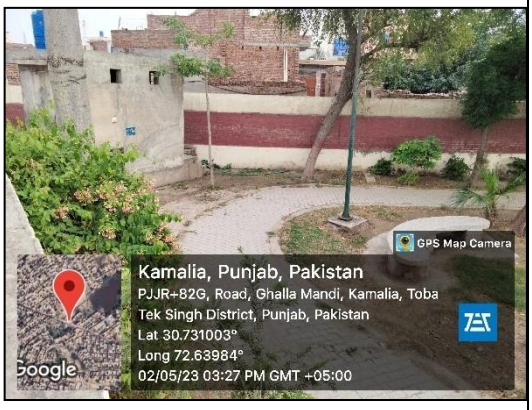
- Deploy security guards to ensure the safety and security of park visitors and property.
- Engage landscape experts to design and maintain the park's landscape, ensuring optimal beauty and functionality.
- Implement a solid waste management system with strategically placed litter bins for proper disposal of waste and to maintain cleanliness in the park.

Data Collected By: Mr. Tayyab	*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)				
Muncipal Committee Kamalia				
Form: IDAMP-A10	**Park Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**
Name		Lady Park		**Pictures**
Location	**Latitude**	30.73106		
	Longitude	72.639763		
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)		100		
Any illegal occupants or encroachments observed-if yes, type		No		
Security system		Yes		No
Watering & Irrigation				
Tube Well			Yes	No
Water Supply from Municipal System			Yes	No
Water Tank			Yes	No
Pumping Unit			Yes	No
Distribution Pipe Lines			Yes	No
Valves			Yes	No
Sprinkler System			Yes	No
Ground water storage reservoirs/ponds			Yes	No
Landscaping & Plantation				
Grass Beds			Yes	No
Flower Beds			Yes	No
Hedges			Yes	No
Plants			Yes	No
Number of trees and species (based on readily available information at MC)			60	
Lights				
Total Number			4	
Poles			Yes	No





Cables		Yes	No	
Brackets And Lights		Yes	No	
Bulbs And Tubes		Yes	No	
Control Units		Yes	No	
Structures				
No. of Toilets	Gents	--		
	Ladies	2		
Condition of Toilets	Gents	--		
	Ladies	Poor		
Buildings		Yes	No	
Fountains & Water Fall Structure		Yes	No	
Walkways		Yes	No	
Jogging tracks		Yes	No	
Ramps at entry gates for wheel chairs		Yes	No	
Bridges & Culverts		Yes	No	
Play Area		Yes	No	
Gazebos		Yes	No	
Benches/ sitting arrangements		Yes	No	
Boundary Wall & Gate		Yes	No	
Toilets		Yes	No	
Lakes & Brooks		Yes	No	
Mechanical Equipment				
Pumping Units		Yes	No	
Swings		Yes	No	
Children Games		Yes	No	
Fixtures		Yes	No	
Benches		Yes	No	
Sanitation & Water Supply				
Litter Bins		Yes	No	
Condition of SWM		Yes	No	
Toilet Fixtures		Yes	No	
Sewerage System		Yes	No	
Vegetation Cuttings & Disposal		Yes	No	
Drinking water availability and quality (based on availability of water quality test reports)		No		
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

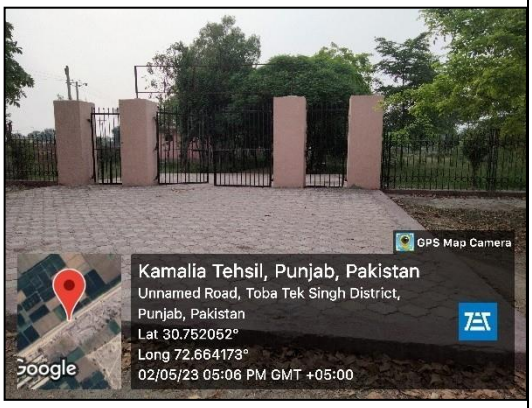
Remarks / Requirements

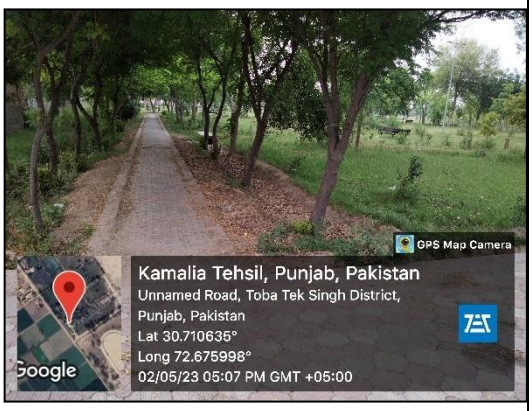
- Overall, the condition of park is fair and majority of facilities are available.

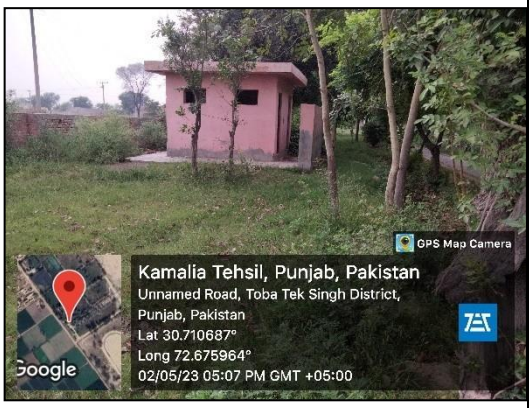
Data Collected By: Mr. Tayyab	*Designation: Team Member*	 *Sign & Date: 30 May 2023*

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

Integrated Development and Asset Management Plan (IDAMP)				
Muncipal Committee Kamalia				
Form: IDAMP-A10	**Park Asset Condition Assessment**			**Asset Code: _____ Date: 02-05-2023**
Name		Nawaz Sharif Park		**Pictures**
Location	**Latitude**	30.752052		
	Longitude	72.664173		
Area In Acres		12		
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)		400		
Any illegal occupants or encroachments observed-if yes, type		Yes		No
Security system		Yes		No
Watering & Irrigation				
Tube Well			Yes	No
Water Supply from Municipal System			Yes	No
Water Tank			Yes	No
Pumping Unit			Yes	No
Distribution Pipe Lines			Yes	No
Valves			Yes	No
Sprinkler System			Yes	No
Ground water storage reservoirs/ponds			Yes	No
Landscaping & Plantation				
Grass Beds			Yes	No
Flower Beds			Yes	No
Hedges			Yes	No
Plants			Yes	No
Number of trees and species (based on readily available information at MC)			3000	
Lights				
Total Number			500 Plus	
Poles			Yes	No







Cables		Yes	No
Brackets And Lights		Yes	No
Bulbs And Tubes		Yes	No
Control Units		Yes	No
Structures			
No. of Toilets	Gents	2	
	Ladies	2	
Condition of Toilets	Gents	Failing	
	Ladies	Failing	
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		Poor	
Toilet Fixtures		Yes	No
Sewerage System		Yes	No
Vegetation Cuttings & Disposal		Yes	No
Drinking water availability and quality (based on availability of water quality test reports)		No	
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

- Ensure canteen availability for park visitors.
- Improve park toilets for better facilities.
- Install fountains and a water feature structure.
- Install ramps at entry gates for wheelchair accessibility.
- Provide swings and children's play equipment.
- Implement effective solid waste management.
- Requirement: Seek expertise from landscape experts for park maintenance.

Data Collected By: Mr. Tayyab	*Designation: Team Member*	 *Sign & Date: 30 May 2023*
Data Checked By: Mr. M. Fiaz	*Designation: Team Lead*	 *Sign & Date: 30 May 2023*

6. Land

A. Open Plots

Sr #	Location	Age	Condition	Area (Acres)	Book Value (PKR Mil)
1	Bhalla Chowk	N/A	Fair	0.125	16.96
2	Mohallah Fazal Dewaan	N/A	Fair	0.362	47.7

7. Office Vehicles

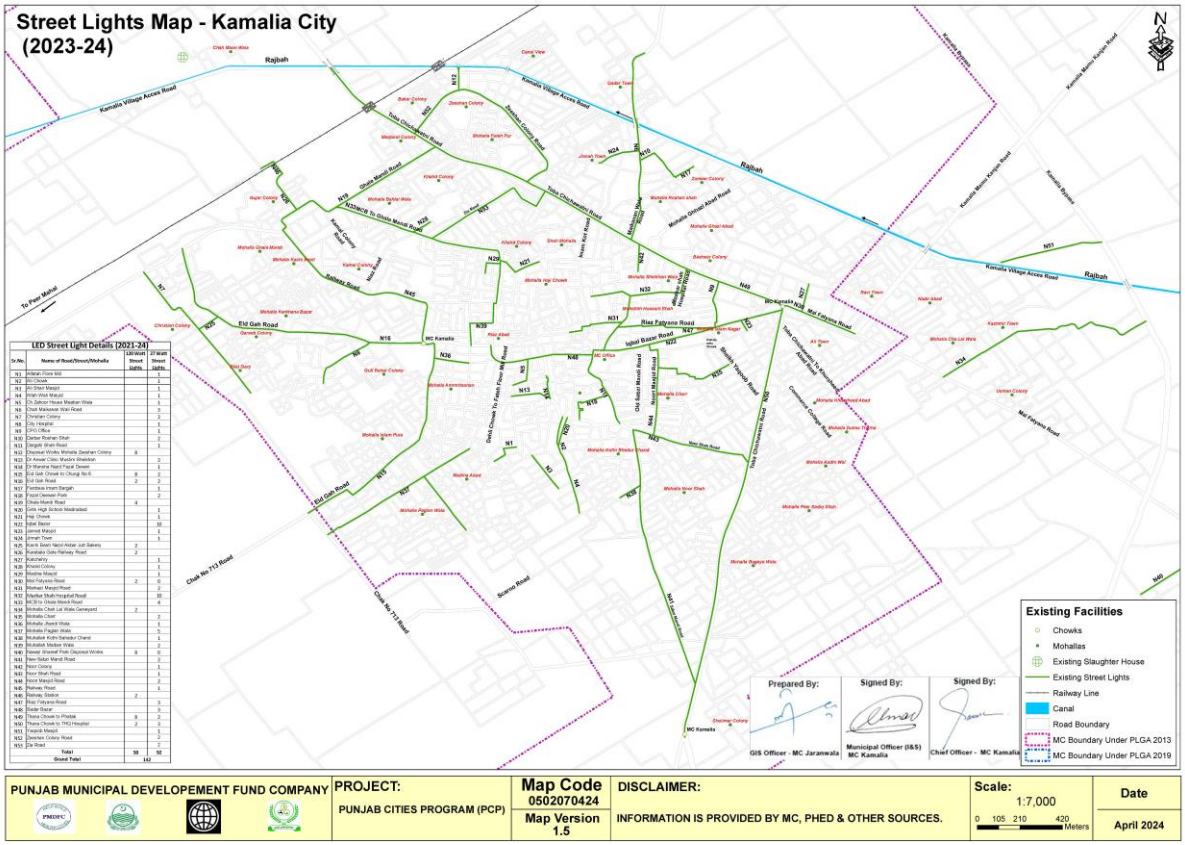
Sr #	Name	Registration Number	Age (Years)	Capacity	Condition	Status	Book Value (PKR Mil)
1	Cultus	TSB-9988	22	1000 cc	Fair	Functional	0.225

Integrated Development and Asset Management Plan (IDAMP)		
Muncipal Committee Kamalia		
Form: IDAMP-A16	Moveable Asset Asset Condition Assessment	Asset Code: _____ Date: 02-05-2023
Type of Vehicle / Machinery	**Pictures**	
Car		
Capacity	4 Person	
Purpose	Office Use	
Year of Manufacturing	2001	
Model	TSB-9988(Cultus)	
Capital Cost	--	
Fuel Consumption (litre/month)	232	
Condition	Fair	
Engine Capacity	1000 cc	
Maintenance Cost	3,200	
Oiling /Fitness	Yes	
Fitness Certificate	No	
Registered	Yes	

Remarks / Requirements		
No remarks		
Data Collected By: Mr. Tayyab	*Designation: Team Member*	 *Sign & Date: 30 May 2023*
Data Checked By: Mr. M. Fiaz	*Designation: Team Lead*	 *Sign & Date: 30 May 2023*

8. Street Lights

Street Light Map



	Streetlights	MC Operated	Privately operated
Operational Street Lights	314	314	0
Non-Operational Street Lights	678	678	0
Total	**992**	**992**	**0**

Precast Concrete	Steel Structure	Tubular Steel	Wall Mounted	Grand Total
0	142	307	543	**992**

Integrated Development and Asset Management Plan (IDAMP)		
Muncipal Committee Kamalia		
Form: IDAMP-A9	Street Lights Asset Condition Assessment	Asset Code: _____ Date: 02-05-2023_____

Pictures



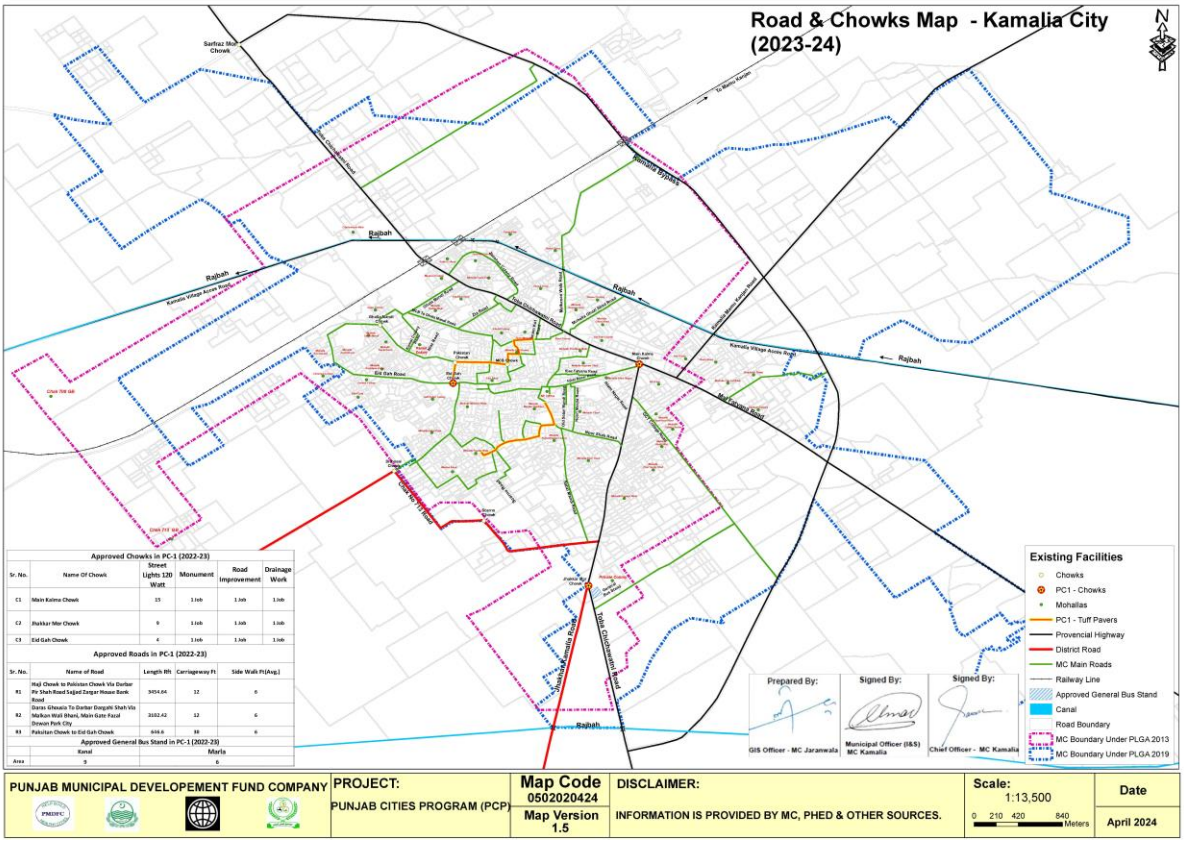
Area	Total	Type of Luminaries						Operational Status
		Incandescent Bulb (100W)	CFL (W)		LED (W)			
			23	24	12	18	50	
Johny shah road , Baghi wala mahalla, Main Checha Water road, Main Checha Watni road, Baghi wala muhalla , main Road Ara stop no 3, Chowk no 711 wala road, Area Stop no 3, Justice colony, Justice colony road, Muhalla Hussain Shah, Muhalla Basheer Colony, Main Bazar Mohalla Islam nagar, , Iqbal Bazar, Purani Sabzi Mandi Road, Mohalla Muslim Sheikh, Mohalla Dargahi shah, Sadar Bazar, Mohalla Fateh Pur, Mohalla Kutab Pura, Main Rajana Road, Zeshan Colony, Pakistan Chowk, Railway Road, Gujar Colony, Mohalla Behlol Wala, Noor Shah Road, Mohalla Klala Wala, Mohalla Charh Wala, Zaiya Road	506	486	7	2	76	1	3	Operational
Mohla Bilal Ganj, Mohalla Ambar Tarsan, Mohala Jandi Wala, Dehli Chowk, Eid Ghah Chowk, Kachi Basti, Railway Road, Muhammad Bin Qasim Road, Mohalla Khaji Wala, Mohalla Naiz Abad, Mohallah Ali Shah, Mohalla Mebtry Wala, Tota Bazar, Fazial Deewan Park, New Sabzi Mandi Road, Mohalla Madian Abad, Mehmood Ladies Park, Mohalla Paghla Wala, Mohalla Jandi Wala, Railway road	486							
Total	**992**	**148**						**Operational**

Remarks / Requirements

- No remarks

Data Collected By: Mr. Tayyab	*Designation: Team Member*	*Sign & Date: 30 May 2023*

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



9. ROADS

Sr #	Road Name	R.O.W (ft)	Existing Type	Length (km)
1	Dr. Naeem to Iqbal Bazar	Not Available	T.S.T	0.37
2	Main Chichawatni Road to MC Office	Not Available	T.S.T	0.38
3	Mohib Ali Shah	Not Available	T.S.T	0.61
4	City Top Hotel	Not Available	T.S.T	0.30
5	Mekananwali Chongi	Not Available	T.S.T	0.61
6	Telephone Exchange to Tota Bazar	Not Available	T.S.T	1.01
7	Iqbal Bazar To Main Gate Office MC	Not Available	T.S.T	0.21
8	Markazi Imam Barga,	Not Available	T.S.T	0.14
9	Mohallah Mehtianwala	Not Available	T.S.T	0.07
10	BOP Road	Not Available	T.S.T	0.18
11	Stop No. 3 Chichawatni Road To Disposal Work Chungi No. 6	15	T.S.T	3.00
12	Opposite Shell Pump To Pakistani Gate	15	T.S.T	1.50
13	Telephone Exchange To Eid Gah	33	T.S.T	1.50

Sr #	Road Name	R.O.W (ft)	Existing Type	Length (km)
14	Bhallah Chowk To Railway Station	15	T.S.T	0.75
15	Hasan Chowk To Bhalla Chowk	16	T.S.T	0.50
16	Norani Chowk Via Alfateh Floor Mill	15	T.S.T	0.60
17	Raza Bad To Sabzi Mandi	15	T.S.T	0.85
18	Hasan Chowk To Railway Road	15	T.S.T	0.45
19	Eid Gah To Disposal Work Chongi No. 6	24	T.S.T	0.85
20	Hashmat Chowk To Chowk Kohlowala Iqbal Bazar	18	T.S.T	0.50
21	Iqbal Bazar To Noor Shah	18	T.S.T	0.50

Integrated Development and Asset Management Plan (IDAMP)

Muncipal Committee Kamalia

Form: IDAMP-A8	**Road Asset Condition Assessment**	**Asset Code: _____ Date: 02-05-2023**

Pictures

Sr. No.	Road Name	From	to	Ownership	TST, Asphalt Or Concrete Pavers	Row (Ft)	Paved Width (Ft)	Approx. Length (Km)	Condition
1	Dr. Naeem to Iqbal Bazar	Not Available			T.S.T	Not Available		0.37	
2	Main Chichawatni Road to MC Office	Not Available			T.S.T	Not Available		0.38	
3	Mohib Ali Shah	Not Available			T.S.T	Not Available		0.61	
4	City Top Hotel	Not Available			T.S.T	Not Available		0.30	

Integrated Development and Asset Management Plan (IDAMP)							
Muncipal Committee Kamalia							
Form: IDAMP-A8	Road Asset Condition Assessment					Asset Code: _____ Date: 02-05-2023	
5	Mekananwali Chongi	Not Available	T.S.T	Not Availabl e		0.61	
6	Telephone Exchange to Tota Bazar		T.S.T	Not Availabl e		1.01	
7	Iqbal Bazar To Main Gate Office MC		T.S.T	Not Availabl e		0.21	
8	Markazi Imam Barga,		T.S.T	Not Availabl e		0.14	
9	Mohallah Mehtianwala		T.S.T	Not Availabl e		0.07	
10	BOP Road		T.S.T	Not Availabl e		0.18	
11	Stop No. 3 Chichawatni Road To Disposal Work Chungi No. 6	Not Available	T.S.T	15		3.00	
12	Opposite Shell Pump To Pakistani Gate		T.S.T	15		1.50	
13	Telephone Exchange To Eid Gah		T.S.T	33		1.50	
14	Bhallah Chowk To Railway Station		T.S.T	15		0.75	
15	Hasan Chowk To Bhalla Chowk		T.S.T	16		0.50	
16	Norani Chowk Via Alfateh Floor Mill		T.S.T	15		0.60	
17	Raza Bad To Sabzi Mandi		T.S.T	15		0.85	
18	Hasan Chowk To Railway Road		T.S.T	15		0.45	
19	Eid Gah To Disposal Work Chongi No. 6		T.S.T	24		0.85	
20	Hashmat Chowk To Chowk Kohlowala Iqbal Bazar		T.S.T	18		0.50	
21	Iqbal Bazar To Noor Shah		T.S.T	18		0.50	
Remarks / Requirements							
• No remarks							

Integrated Development and Asset Management Plan (IDAMP)		
Muncipal Committee Kamalia		
Form: IDAMP-A8	**Road Asset Condition Assessment**	**Asset Code: _____ Date: 02-05-2023**
Data Collected By: Mr. Tayyab	*Designation: Team Member*	 *Sign & Date: 30 May 2023*
Data Checked By: Mr. M. Fiaz	*Designation: Team Lead*	 *Sign & Date: 30 May 2023*

Annexure B. Projects Coding Scheme:

Region Name	Region Code	MC	MC Code	Property Types	Property Type Code	Sub Property Types	Sub Property Type Code	Unique Codes
Central Punjab	**02**	**Kamalia**	**10**	Water Supply System	**01**	Tube wells	**01**	**02-10-01-01-XX**
						Water Supply Network (ft)	**02**	**02-10-01-02-XX**
						OHR	**03**	**02-10-01-03-XX**
						Filtration Plants	**04**	**02-10-01-04-XX**
						Vehicles	**05**	**02-10-01-05-XX**
						GST	**06**	**02-10-01-06-XX**
				Sewerage System	**02**	Sewerage Network (ft)	**01**	**02-10-02-01-XX**
						Disposal Stations	**02**	**02-10-02-02-XX**
						Vehicles	**03**	**02-10-02-03-XX**
				Solid Waste Management System	**03**	Dumping site	**01**	**02-10-03-01-XX**
						Vehicles	**02**	**02-10-03-02-XX**
						Parking Shed	**03**	**02-10-03-03-XX**
				Roads and Streets	**04**	Roads	**01**	**02-10-04-01-XX**
						Street	**02**	**02-10-04-02-XX**
						Street light	**03**	**02-10-04-03-XX**
				Public Places	**05**	Parks	**01**	**02-10-05-01-XX**
						Playgrounds	**02**	**02-10-05-02-XX**
						Open Spaces / Plots	**03**	**02-10-05-03-XX**
						Bus Stand	**04**	**02-10-05-04-XX**
						Library	**05**	**02-10-05-05-XX**
						Slaughter Houses	**06**	**02-10-05-06-XX**
						Graveyards	**07**	**02-10-05-07-XX**
						Masjid/ Imam bargah	**08**	**02-10-05-08-XX**

Region Name	Region Code	MC	MC Code	Property Types	Property Type Code	Sub Property Types	Sub Property Type Code	Unique Codes
						Shops	**09**	**02-10-05-09-XX**
				Others	**06**	Office buildings	**01**	**02-10-06-01-XX**
						Office vehicles	**02**	**02-10-06-02-XX**
						Residential building	**03**	**02-10-06-03-XX**

Annexure C. Project Screening and Phasing

Project ID: 02-10-01-02-01

Project Description : Improvement & Rehabilitation of Water Supply system in Kamalia City

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Project Purpose & Service Delivery Improvement							
1.1	Does the project fill a gap in a wider system of service delivery?	**30**	10	2.5	Minor contribution	Significant contribution	**10**
				7.5	Major contribution		
				10	Significant contribution		
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		10	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	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		5	0	Majority opposition	Majority support	**5**
				1	Minority opposition		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	project from NGO's, community 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 enviro nment	Positive effects on the quality of the loc al environment	**10**
				5	Neutral		
				10	Positive effects on the quality of the local envi ronment		
4. Socio-Economic Impact							
4.1	Will the project bring in direct revenue?	**15**	7.5	0	No direct revenue	Direct revenue is not sufficient to meet O&M costs	**2.5**
				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,		7.5	0	Negative impact on the local economy	Additional investment in the area and increased wealth for citizens	**5**
				2.5	Little or no long term economic development benefits		
				5	Additional investment in the area and increased wealth for citizens		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	reduction in citizens' expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease of Implementation							
5.1	Has land been acquired for the project (If required)?	**30**	10	10	Yes	Yes	**10**
				0	No		
5.2	Has funding been secured/allocated within the Local Government budget or whether the external sources of funding have been secured?		5	5	Yes	Yes	**5**
				0	No		
5.3	Will the project get approval from higher levels of Government?		5	1	Difficult	Easy	**5**
				2.5	Standard		
				5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	1	Difficult	Standard	**3**
				3	Standard		
				5	Easy		
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5	0	Outside expertise needed for construction, O &M	Outside expertise needed for construction phase only	**1**
				1	Outside expertise needed for construction phase only		
				3	Outside expertise needed for preparation phase i.e. feasibility studies		
				5	No outside expertise needed		
Total Achieved Score							**86.5**

Project ID: 02-10-01-06-01

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?		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	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,		5	0	Majority opposition	Majority support	**5**
				1	Minority opposition		
				5	Majority support		
				2.5	Minority support		

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

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

Project ID: 02-10-02-02-01

Project Description : Improvement of Existing Sewerage System and Disposal Stations for Kamalia City

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Project Purpose & Service Delivery Improvement							
1.1	Does the project fill a gap in a wider system of service delivery?	**30**	10	2.5	Minor contribution	Significant contribution	**10**
				7.5	Major contribution		
				10	Significant contribution		
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		10	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	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	0	Majority opposition	Majority support	**5**
				1	Minority opposition		
				5	Majority support		
				2.5	Minority support		

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

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

Project ID: 02-10-05-01-01

Project Description : Improvement and Rehabilitation of Parks in Kamalia City

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Project Purpose & Service Delivery Improvement							
1.1	Does the project fill a gap in a wider system of service delivery?	**30**	10	2.5	Minor contribution	Major contribution	**7.5**
				7.5	Major contribution		
				10	Significant contribution		
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		10	0	No contribution.	Indirect contribution.	**2.5**
				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	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%	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?		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		

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

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	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							**61**

Project ID: 02-10-04-03-01

Project Description : 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	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.	Indirect contribution.	**2.5**
				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	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%	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?		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**
				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.?		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 external sources of funding have been secured?		5	5	Yes	Yes	**5**
				0	No		
5.3			5	1	Difficult	Standard	**2.5**

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Will the project get approval from higher levels of Government?			2.5	Standard		
				5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	1	Difficult	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 p hase only		
				3	Outside expertise needed for preparation p hase i.e. feasibility studies		
				5	No outside expertise needed		
Total Achieved Score							**59**

Project ID: 02-10-05-04-01

Project Description : Construction of General Bus Stand (GSB) in Kamalia City

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Project Purpose & Service Delivery Improvement							
1.1	Does the project fill a gap in a wider system of service delivery?	**30**	10	2.5	Minor contribution	Major contribution	**7.5**
				7.5	Major contribution		
				10	Significant contribution		
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		10	0	No contribution.	Indirect contribution.	**2.5**
				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	0	No consequences	Minor consequences	**2.5**
				2.5	Minor consequences		
				7.5	Major future consequences		
				10	Major immediate consequences		
2. Public Response							
2.1	Population served by the project.	**15**	7.5	1	Less than 10%	Greater than 20%	**7.5**
				5	Between 10% to 20%		
				7.5	Greater than 20%		
2.2	Is there support or opposition for the project from NGO's, community groups, network, media or business organizations?		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**
				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 envi ronment	Neutral	**5**
				5	Neutral		
				10	Positive effects on the quality of the local e nvironment		
4. Socio-Economic Impact							
4.1	Will the project bring in direct revenue?	**15**	7.5	0	No direct revenue	Revenue exceeds O&M costs	**7.5**
				2.5	Direct revenue is not sufficient to meet O&M costs		
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
4.2	Are there indirect economic benefits from this project in the long term, e.g. employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?		7.5	0	Negative impact on the local economy	Additional investment in the area and increased wealth for citizens	**5**
				2.5	Little or no long term economic development benefits		
				5	Additional investment in the area and increased wealth for citizens		
				7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease of Implementation							
5.1	Has land been acquired for the project (If required)?	**30**	10	10	Yes	Yes	**10**
				0	No		
5.2	Has funding been secured/allocated within the Local Government budget or whether the external sources of funding have been secured?		5	5	Yes	Yes	**5**
				0	No		
5.3			5	1	Difficult	Standard	**2.5**

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Will the project get approval from higher levels of Government?			2.5	Standard		
				5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	1	Difficult	Easy	**5**
				3	Standard		
				5	Easy		
5.5	Is there a capable system in place to implement and operate this project or is external support needed?		5	0	Outside expertise needed for construction, O&M	Outside expertise needed for construction phase only	**1**
				1	Outside expertise needed for construction phase only		
				3	Outside expertise needed for preparation phase i.e. feasibility studies		
				5	No outside expertise needed		
Total Achieved Score							**68.5**

Project ID: 02-10-05-06-01

Project Description : Rehabilitation of slaughter house

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.	Indirect contribution.	**2.5**
				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	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%	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?		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**
				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	Direct revenue is not sufficient to meet O&M costs	**2.5**
				2.5	Direct revenue is not sufficient to meet O&M costs		
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
4.2	Are there indirect economic benefits from this project in the long term, e.g. employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?		7.5	0	Negative impact on the local economy	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 external sources of funding have been secured?		5	5	Yes	Yes	**5**
				0	No		
5.3			5	1	Difficult	Standard	**2.5**

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Will the project get approval from higher levels of Government?			2.5	Standard		
				5	Easy		
5.4	Ease of implementation of project in respect of technical design?		5	1	Difficult	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							**61.5**

Project ID: 02-10-06-01-01

Project Description : Solarization of municipal buildings

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Project Purpose & Service Delivery Improvement							
1.1	Does the project fill a gap in a wider system of service delivery?	**30**	10	2.5	Minor contribution	Major contribution	**7.5**
				7.5	Major contribution		
				10	Significant contribution		
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		10	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	0	No consequences	Minor consequences	**2.5**
				2.5	Minor consequences		
				7.5	Major future consequences		
				10	Major immediate consequences		
2. Public Response							
2.1	Population served by the project.	**15**	7.5	1	Less than 10%	Less than 10%	**1**
				5	Between 10% to 20%		
				7.5	Greater than 20%		
2.2	Is there support or opposition for the project from NGO's, community groups, network, media or business organizations?		5	0	Majority opposition	Majority support	**5**
				1	Minority opposition		
				5	Majority support		
				2.5	Minority support		
2.3			2.5	0	Majority opposition	Majority support	**2.5**

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

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 p hase i.e. feasibility studies		
				5	No outside expertise needed		
Total Achieved Score							**79.5**

Project ID: 02-10-01-01-01

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	Major contribution	**7.5**
				7.5	Major contribution		
				10	Significant contribution		
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		10	0	No contribution.	Major contribution to key development goal.	**10**
				2.5	Indirect contribution.		
				7.5	Minor direct contribution		
				10	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	0	No consequences	Minor consequences	**2.5**
				2.5	Minor consequences		
				7.5	Major future consequences		
				10	Major immediate consequences		
2. Public Response							
2.1	Population served by the project.	**15**	7.5	1	Less than 10%	Less than 10%	**1**
				5	Between 10% to 20%		
				7.5	Greater than 20%		
2.2	Is there support or opposition for the project from NGO's, community groups, network, media or business organizations?		5	0	Majority opposition	Majority support	**5**
				1	Minority opposition		
				5	Majority support		
				2.5	Minority support		
2.3	Is there support or opposition from residents in the immediate vicinity of		2.5	0	Majority opposition	Majority support	**2.5**
				0.5	Minority opposition		

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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
5.2	Has funding been secured/allocated within the Local Government budget or whether the external sources of funding have been secured?		5	5	Yes	Yes	**5**
				0	No		
5.3	Will the project get approval from higher levels of Government?		5	1	Difficult	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: 02-10-04-01-01

Project Description : Improvement and Rehabilitation of Chowks in Kamalia City

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

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

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

Project ID: 02-10-04-01-02

Project Description : Rehabilitation of Roads

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

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

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

Project ID: 02-10-05-04-02

Project Description : Construction of General Bus Stand in Kamalia City

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

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

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

Project ID: 02-10-04-01-03

Project Description : Rehabilitation of existing roads with tuff pavers in Kamalia

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

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

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

Project ID: 02-10-02-01-01

Project Description : Improvement of sewerage system and construction of waste water treatment plant (WWTP) Kamalia city

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Project Purpose & Service Delivery Improvement							
1.1	Does the project fill a gap in a wider system of service delivery?	**30**	10	2.5	Minor contribution	Significant contribution	**10**
				7.5	Major contribution		
				10	Significant contribution		
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?		10	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	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	0	Majority opposition	Majority support	**5**
				1	Minority opposition		
				5	Majority support		
				2.5	Minority support		
2.3			2.5	0	Majority opposition	Majority support	**2.5**

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

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	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 p hase only		
				3	Outside expertise needed for preparation p hase i.e. feasibility studies		
				5	No outside expertise needed		
Total Achieved Score							**84**

Annexure D. Environmental and Social Considerations in IDAMP[3]

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

1.4. Other Environment Related Legislations:

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

<table>
<tr><th>Sr. #</th><th>Act</th><th>Description</th><th>Applicability to sub-project</th></tr>
<tr><td></td><td></td><td></td><td>The sector wise screening of MCs subprojects as per Punjab Environment protection review of IEE/EIA regulations 2000 are given below in Table.
<table>
<tr><th>Schedule</th><th>Sector</th><th>Clause</th></tr>
<tr><td>Schedule I</td><td>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></td><td>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></td><td>Parks</td><td>I. Urban development and tourism
5. Urban development projects</td></tr>
<tr><td></td><td>Waste</td><td>H. Waste disposal
Non-hazardous scrap yard / warehouse</td></tr>
<tr><td>Schedule II</td><td>Water supply, Sewerage System and treatment</td><td>F. Water supply, Sewerage System and treatment
Water supply schemes and treatment plants (excluding the Reverse</td></tr>
</table></td></tr>
</table>

Sr. #	Act	Description	Applicability to sub-project		
					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 100m3/hr
				Waste Storage and Disposal	G. Waste Storage and Disposal 1. Landfill sites 2. Waste Incinerators and autoclaves 3. Hazardous substance or waste storage warehouse
3.	Delegations of power for Environment Approvals Rule 2017	According to these rules the powers of environmental approval are delegated to commissioner for specific types of projects	• 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/-		

Sr. #	Act	Description	Applicability to sub-project
4.	Notification No. SOG/ EPD/5-86/2019 delegation of powers to Deputy Commissioner	According to this notification the powers of environmental approval are delegated to deputy commissioner for specific types of projects	Under PCP clause g is applicable Bus and Wagon stands od category C with area upto 8 kanal.
3.	Pakistan Penal Code, 1860	The Code deals with the offences where public or private property or human lives are affected due to intentional or accidental misconduct of an individual or organization. The Code also addresses control of noise, noxious emissions and disposal of effluents.	The provisions of the Penal Code, 1860 are applicable to the project in terms of penalties for effecting human lives and public property. It also addresses the control of noise, air emissions and effluent disposal.
4.	Motor Vehicle Rules, 1969	It defines powers and responsibilities of Motor Vehicle Examiners (MVEs). The establishment of MVE inspection system is one of the regulatory measures that can be taken to tackle the ambient air quality problems associated with the vehicular emissions during operation phase.	This act is applicable to the gaseous emission that will be released from the vehicles in operation phase at machinery used during construction phase of this subproject.
5.	The Land Acquisition Act, 1894	The Land Acquisition Act, 1894, is a “law for the acquisition of land needed for public purposes and for 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

Sr. #	Act	Description	Applicability to sub-project
			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: • "Ancient" is any object that is at least 75 years old; • All accidental discoveries of artifacts must be reported to the Federal Department of Archaeology; • The Government is the owner of all buried antiquities discovered on any site, whether protected or otherwise; • All new construction within a distance of 200 feet from protected antiquities is forbidden; • No changes or repairs can be made to a protected monument, even if it is owned privately, without approval of the responsible authorities; and The cultural heritage laws of Pakistan are uniformly applicable to all categories of sites regardless of their	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
		state of preservation and classification as monuments of national or world heritage.	
8.	Punjab Restriction of Employment of Children Act, 2016	According to the sub-section 11(a) of this Act, an occupier who employs or permits a child (person under the age of 15 years) to work in an establishment shall be liable to punishment with imprisonment for a term which may extend to six months, but which shall not be less than seven days, and a mandatory fine between 10,000 and 50,000 rupees.	The relevance of this act to the project will be to prohibit child employment for construction related activities of the proposed sub- project and it will be applicable throughout the construction activities related to subprojects.
9.	The Punjab Occupational Safety and Health Act, 2019	The Punjab Occupational Safety and Health Act, 2019 (IV of 2019) An Act to provide for occupational safety and health at workplace. It is necessary to make and consolidate the law for the occupational safety and health of the persons at workplace and to protect them against risks arising out of the 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.	The Punjab Occupational Safety and Health Act, 2019 relevant sections to the proposed projects are: 8. Safety and Health, 10. Consultation 13. Notification and investigation of accidents, dangerous occurrences and occupational illness. 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.

Sr. #	Act	Description	Applicability to sub-project
10	National Hazardous Waste Management Policy, 2022	A policy to facilitate the implementation of international treaties & Conventions on a national level to improve the definition & implementation of Hazardous Waste Management (HWM) for better environmental management, clarify institutional responsibilities related to HWM, and strengthen the management of hazardous & other wastes.	Policy measures shall be applicable whereas there is any risk of usage or generation of hazardous waste.
11	Protection Against Harassment of Women at the Workplace (Amended) Act, 2014	In this act major and minor penalties are mentioned.	This act is applicable for all the employees of MCs, LG&CDD and women labor (if involved for infrastructure development activities)
12	Punjab Labor Policy, 2018	Punjab Labor Policy, 2018 presents a policy document which directly addresses the child labor, bonded labor, gender discrimination, gender mainstreaming, labor protection, out of school children and lack of health 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-	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
		improved Training Centers, simplification of labor laws, medical facilities for secured workers even after retirement, establishment of labor colonies and schools for workers' children, improvement in the wage fixation process and strengthening the role of Punjab Minimum Wages Board, efficient disbursement of welfare grants and gradual extension of labor protection frame-work.	
13	Punjab Local Government Act, 2019	As per PLGA 2019 Functions of a Metropolitan Corporation, Municipal Corporation and Municipal Committee: Part I (g) Solid waste collection and disposal; (h) Sewerage collection and disposal including water management and treatment; (i) Building control and land use; (j) Births, deaths, marriages and divorce registration; (k) Museums and art galleries; (l) Open markets; (m) Livestock and agriculture markets; (n) Public parking facilities; (o) City roads and traffic management;	All the related clauses of this Act shall be applicable for MCs.

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

Sr. #	Act	Description	Applicability to sub-project
		(hh) Street lights; and (ii) Sign boards and street advertisements.	
14	Guidelines for Preparation and Review of Environment Reports, 1997	Guidelines for preparation and Review of Environmental Reports were issued by Pak EPA in 1997 under Pakistan Environment Protection Act, 1997 and are adopted by Punjab Environment protection Agency after 18th 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 consultation is appropriate); and	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
		facilitation of involvement (including the poor, women, and NGOs).	
16	Guidelines for Regulation of Disclosure of Environmental Information & Citizen Engagement 2020	These guidelines give details about disclosure of environmental information. These guidelines have 2 parts: First part deals with Public Disclosure instructions regarding arrangement of public disclosure of environment information and maintenance of record in indexed form Second part is regarding Citizen Engagement, and it gives detailed information regarding citizen engagement and Grievance redress mechanism.	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.
17	Canal and Drainage Act 1873 and Amendment Act 2016	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. Section 70(5) of the CDA clearly states that no one is allowed to "corrupt or foul the water of any canal so as to render it less fit for the purposes for which it is ordinarily used."	This act shall be applicable for all the subprojects of MCs where untreated wastewater is being dispose off to the irrigation canals.

Sr. #	Act	Description	Applicability to sub-project
		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."	
18	Punjab Wildlife Protection, Conservation and Management Act, 1974	The Act requires the protection of wildlife species declared as endangered/threatened and rare. It gives protection to these species by declaring their natural living environment as protected and reserved, which includes areas such as national parks, wildlife sanctuaries, and game reserves.	This act shall be applicable in case any harm to wildlife is assessed at the stage of early screening or if there is any potential risk identified to the wildlife during or after execution of the subprojects/projects related to infrastructure development and municipal service delivery.
19	Guidelines and Checklists adopted by GOP after 18th Amendment	Punjab EPA has also designed the following Guidelines/Checklists for IEE/EIA Projects: Check List for IEE (updated September 2020) Check List for EIA (updated September 2020) After 18th Amendment, Punjab EPA has adopted the following sectoral Guidelines that were prepared by other provinces and were earlier adopted by Pak EPA: ✓ Poultry Farms ✓ Urban Roads ✓ Rural Schools ✓ Housing Schemes	Checklists for IEE and EIA shall be applicable to all the new infrastructure development projects. Following Guidelines shall be applicable for MC's municipal service delivery projects: ✓ Urban Roads ✓ Water Supply ✓ Sanitation Schemes ✓ Major Sewerage Schemes

Sr. #	Act	Description	Applicability to sub-project
		✓ 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
	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

Sr. #	Project Categories	Type of Sub-projects	Nature of Environmental Issues	Env. Category	Social Category	Instruments Required
						categorization given in Schedule I and II of PEPA Review of IEE/EIA Regulations 2000
4.	**Connectivity**					
	Rehabilitation and maintenance of urban roads[4]		May have some negative but localized environmental and social impacts	E2	S2S	ESMP
	Pedestrian walkways, Bicycle paths		May have negligible environmental impacts	E2	S2	ESMP
	Streets and security lights, and road signs		May have negligible environmental impacts	E3	S3	NA
	Construction of Bus Workshops		May have some negative but localized environmental and social impacts	E2	S2	ESMP
	Rehabilitation of Bus Stands/Terminals[5]		May have negligible environmental impacts	E2	E2	ESMP
5.	**Social and Livability Infrastructure**					
	Urban greenery and public spaces		May have negligible environmental impacts	E2	S2	ESMP
	Construction of Community Parks[6]		May have some negative but localized environmental and social impacts	E2/E1	S2/S1	ESMP/IEE/EIA
	Rehabilitation /Maintenance of Community Parks		May have negligible environmental impacts	E2	S2	ESMP

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

5 According to a notification by Punjab EPA vide No. Dir (EIA)/01/2017 dated 29-05-2017, Bus and Wagon stands of Category C with area upto 8 kanals, are exempted from IEE/EIA

6 Parks will be constructed on already allocated lands (for community parks) by Local Government

Section 3: Budget Allocation

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

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

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

Section 4: Monitoring & Supervision

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

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

Annexure E. Project Appraisal

Project ID: 02-10-05-01-01

Project Description : Improvement and Rehabilitation ofParks in Kamalia City

Sr. No.	Description		Unit	Value	Remarks
1	Net Present Value (NPV)	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%	Rs.	77	
2	Financial Internal Rate of Return (FIRR)	FIRR	%	38%	
3	Benefit Cost Ratio (BCR)	BCR= Total Benefits ÷ Total Costs	Ratio	48.10	
4	Payback Period	PBP= Capital costs ÷ Annual Net Benefits	Years	5	

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	50.00		50				-	(50)	1	(50)
1	2024-2025		-	-			11.04	11	11	0.82	9
2	2025-2026		-	-			12.82	13	13	0.67	9
3	2026-2027		-	-			14.89	15	15	0.55	8
4	2027-2028		-	-			17.28	17	17	0.45	8
5	2028-2029		-	-			20.07	20	20	0.37	7
6	2029-2030		-	-			23.31	23	23	0.30	7
7	2030-2031		-	-			27.06	27	27	0.24	7
8	2031-2032		-	-			31.43	31	31	0.20	6
9	2032-2033		-	-			36.49	36	36	0.16	6
10	2033-2034		-	-			42.37	42	42	0.13	6
11	2034-2035		-	-			49.20	49	49	0.11	5
12	2035-2036		-	-			57.14	57	57	0.09	5
13	2036-2037		-	-			66.35	66	66	0.07	5
14	2037-2038		-	-			77.04	77	77	0.06	5
15	2038-2039		-	-			89.46	89	89	0.05	4
16	2039-2040		-	-			103.88	104	104	0.04	4
17	2040-2041		-	-			120.63	121	121	0.03	4
18	2041-2042		-	-			140.07	140	140	0.03	4
19	2042-2043		-	-			162.65	163	163	0.02	4
20	2043-2044		-	-			188.87	189	189	0.02	3
21	2044-2045		-	-			219.32	219	219	0.01	3
22	2045-2046		-	-			254.67	255	255	0.01	3
23	2046-2047		-	-			295.73	296	296	0.01	3
24	2047-2048		-	-			343.40	343	343	0.01	3
25	2048-2049			-				-	-	0.01	-
Total		50	-	50	-	-	2,405	2,405	2,355		77

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 in the opportunity cost of vehicles. Project would provide effective protection to the vehicles against the solar radiation and ultraviolet rays, rain, hail, wind, and dust, thereby slowing down the deterioration of vehicles and reducing the cost of maintenance.

5 Inflation rate is applied at cost savings @ 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
Sewerage/ RCC Pipelines	25
Vehicles	10
Machinary & 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: 02-10-01-06-01

Project Description : Construction of Underground Water Storage Tank

Sr. No.	Description		Unit	Value	Remarks
1	Net Present Value (NPV)	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%	Rs.	(249)	
2	Financial Internal Rate of Return (FIRR)	FIRR	%	14%	
3	Benefit Cost Ratio (BCR)	BCR= Total Benefits ÷ Total Costs	Ratio	2.17	
4	Payback Period	PBP= Capital costs ÷ Annual Net Benefits	Years	7.25	

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	150.00		150				-	(150)	1	(150)
1	2024-2025	300.00		300	33.00			33	(267)	0.82	(218)
2	2025-2026	150.00	15.00	165	38.32			38	(127)	0.67	(85)
3	2026-2027		17.42	17	44.50			44	27	0.55	15
4	2027-2028		20.23	20	51.67			52	31	0.45	14
5	2028-2029		23.49	23	60.00			60	37	0.37	13
6	2029-2030		27.27	27	69.67			70	42	0.30	13
7	2030-2031		31.67	32	80.90			81	49	0.24	12
8	2031-2032		36.77	37	93.94			94	57	0.20	11
9	2032-2033		42.70	43	109.09			109	66	0.16	11
10	2033-2034		49.58	50	126.67			127	77	0.13	10
11	2034-2035		57.58	58	147.09			147	90	0.11	10
12	2035-2036		66.86	67	170.80			171	104	0.09	9
13	2036-2037		77.64	78	198.33			198	121	0.07	9
14	2037-2038		90.15	90	230.31			230	140	0.06	8
15	2038-2039		104.68	105	267.43			267	163	0.05	8
16	2039-2040		121.56	122	310.54			311	189	0.04	8
17	2040-2041		141.16	141	360.60			361	219	0.03	7
18	2041-2042		163.91	164	418.73			419	255	0.03	7
19	2042-2043		190.33	190	486.23			486	296	0.02	6
20	2043-2044		221.01	221	564.61			565	344	0.02	6
21	2044-2045		256.64	257	655.62			656	399	0.01	6
22	2045-2046		298.01	298	761.31			761	463	0.01	6
23	2046-2047		346.05	346	884.03			884	538	0.01	5
24	2047-2048		401.83	402	1,026.54			1,027	625	0.01	5
25	2048-2049		466.61	467	1,192.02			1,192	725	0.01	5
Total		600	3,268	3,868	8,382	-	-	8,382	4,514		(249)

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 in the opportunity cost of vehicles. Project would provide effective protection to the vehicles against the solar radiation and ultraviolet rays, rain, hail, wind, and dust, thereby slowing down the deterioration of vehicles and reducing the cost of maintenance.

5 Inflation rate is applied at cost savings @ 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
Sewerage/ RCC Pipelines	25
Vehicles	10
Machinary & 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: 02-10-06-01-01

Project Description : Solarization of municipal buildings

Sr. No.	Description		Unit	Value	Remarks
1	Net Present Value (NPV)	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%	Rs.	75	
2	Financial Internal Rate of Return (FIRR)	FIRR	%	37%	
3	Benefit Cost Ratio (BCR)	BCR= Total Benefits ÷ Total Costs	Ratio	22.53	
4	Payback Period	PBP= Capital costs ÷ Annual Net Benefits	Years	7.25	

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	50.00	0.25	50				-	(50)	1	(50)
1	2024-2025		0.29	0	11.00			11	11	0.82	9
2	2025-2026		0.34	0	12.77			13	12	0.67	8
3	2026-2027		0.39	0	14.83			15	14	0.55	8
4	2027-2028		0.45	0	17.22			17	17	0.45	7
5	2028-2029		0.53	1	20.00			20	19	0.37	7
6	2029-2030		0.61	1	23.22			23	23	0.30	7
7	2030-2031		0.71	1	26.97			27	26	0.24	6
8	2031-2032		0.83	1	31.31			31	30	0.20	6
9	2032-2033		0.96	1	36.36			36	35	0.16	6
10	2033-2034		1.11	1	42.22			42	41	0.13	5
11	2034-2035		1.29	1	49.03			49	48	0.11	5
12	2035-2036		1.50	2	56.93			57	55	0.09	5
13	2036-2037		1.74	2	66.11			66	64	0.07	5
14	2037-2038		2.03	2	76.77			77	75	0.06	4
15	2038-2039		2.35	2	89.14			89	87	0.05	4
16	2039-2040		2.73	3	103.51			104	101	0.04	4
17	2040-2041		3.17	3	120.20			120	117	0.03	4
18	2041-2042		3.68	4	139.58			140	136	0.03	4
19	2042-2043		4.28	4	162.08			162	158	0.02	3
20	2043-2044		4.97	5	188.20			188	183	0.02	3
21	2044-2045		5.77	6	218.54			219	213	0.01	3
22	2045-2046		6.70	7	253.77			254	247	0.01	3
23	2046-2047		7.78	8	294.68			295	287	0.01	3
24	2047-2048		9.03	9	342.18			342	333	0.01	3
25	2048-2049		10.49	10	397.34			397	387	0.01	3
Total		50	74	124	2,794	-	-	2,794	2,670		75

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 in the opportunity cost of vehicles. Project would provide effective protection to the vehicles against the solar radiation and ultraviolet rays, rain, hail, wind, and dust, thereby slowing down the deterioration of vehicles and reducing the cost of maintenance.

5 Inflation rate is applied at cost savings @ 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
Sewerage/ RCC Pipelines	25
Vehicles	10
Machinary & 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: 02-10-01-01-01

Project Description : Solarization of Tube wells and Water Supply System

Sr. No.	Description		Unit	Value	Remarks
1	Net Present Value (NPV)	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%	Rs.	226	
2	Financial Internal Rate of Return (FIRR)	FIRR	%	37%	
3	Benefit Cost Ratio (BCR)	BCR= Total Benefits ÷ Total Costs	Ratio	22.53	
4	Payback Period	PBP= Capital costs ÷ Annual Net Benefits	Years	7.25	

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	150.00	0.75	151				-	(151)	1	(151)
1	2024-2025		0.87	1	33.00			33	32	0.82	26
2	2025-2026		1.01	1	38.32			38	37	0.67	25
3	2026-2027		1.17	1	44.50			44	43	0.55	24
4	2027-2028		1.36	1	51.67			52	50	0.45	22
5	2028-2029		1.58	2	60.00			60	58	0.37	21
6	2029-2030		1.84	2	69.67			70	68	0.30	20
7	2030-2031		2.14	2	80.90			81	79	0.24	19
8	2031-2032		2.48	2	93.94			94	91	0.20	18
9	2032-2033		2.88	3	109.09			109	106	0.16	17
10	2033-2034		3.34	3	126.67			127	123	0.13	16
11	2034-2035		3.88	4	147.09			147	143	0.11	16
12	2035-2036		4.51	5	170.80			171	166	0.09	15
13	2036-2037		5.23	5	198.33			198	193	0.07	14
14	2037-2038		6.08	6	230.31			230	224	0.06	13
15	2038-2039		7.06	7	267.43			267	260	0.05	13
16	2039-2040		8.20	8	310.54			311	302	0.04	12
17	2040-2041		9.52	10	360.60			361	351	0.03	11
18	2041-2042		11.05	11	418.73			419	408	0.03	11
19	2042-2043		12.83	13	486.23			486	473	0.02	10
20	2043-2044		14.90	15	564.61			565	550	0.02	10
21	2044-2045		17.30	17	655.62			656	638	0.01	9
22	2045-2046		20.09	20	761.31			761	741	0.01	9
23	2046-2047		23.33	23	884.03			884	861	0.01	8
24	2047-2048		27.09	27	1,026.54			1,027	999	0.01	8
Total		150	222	372	8,382	-	-	8,382	8,010		226

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 in the opportunity cost of vehicles. Project would provide effective protection to the vehicles against the solar radiation and ultraviolet rays, rain, hail, wind, and dust, thereby slowing down the deterioration of vehicles and reducing the cost of maintenance.

5 Inflation rate is applied at cost savings @ 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
Sewerage/ RCC Pipelines	25
Vehicles	10
Machinary & 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: 02-10-05-04-02

Project Description : Construction of General Bus Stand in Kamalia City

Sr. No.	Description		Unit	Value	Remarks
1	Net Present Value (NPV)	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%	Rs.	150	
2	Financial Internal Rate of Return (FIRR)	FIRR	%	35%	
3	Benefit Cost Ratio (BCR)	BCR= Total Benefits ÷ Total Costs	Ratio	9.13	
4	Payback Period	PBP= Capital costs ÷ Annual Net Benefits	Years	7.25	

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	113.03	1.96	115				-	(115)	1	(115)
1	2024-2025		2.27	2	24.87			25	23	0.82	18
2	2025-2026		2.64	3	28.88			29	26	0.67	18
3	2026-2027		3.06	3	33.53			34	30	0.55	17
4	2027-2028		3.56	4	38.94			39	35	0.45	16
5	2028-2029		4.13	4	45.21			45	41	0.37	15
6	2029-2030		4.80	5	52.50			53	48	0.30	14
7	2030-2031		5.57	6	60.96			61	55	0.24	14
8	2031-2032		6.47	6	70.79			71	64	0.20	13
9	2032-2033		7.51	8	82.20			82	75	0.16	12
10	2033-2034		8.72	9	95.45			95	87	0.13	12
11	2034-2035		10.12	10	110.84			111	101	0.11	11
12	2035-2036		11.76	12	128.71			129	117	0.09	10
13	2036-2037		13.65	14	149.46			149	136	0.07	10
14	2037-2038		15.85	16	173.55			174	158	0.06	9
15	2038-2039		18.41	18	201.52			202	183	0.05	9
16	2039-2040		21.37	21	234.01			234	213	0.04	8
17	2040-2041		24.82	25	271.73			272	247	0.03	8
18	2041-2042		28.82	29	315.53			316	287	0.03	8
19	2042-2043		33.47	33	366.40			366	333	0.02	7
20	2043-2044		38.86	39	425.46			425	387	0.02	7
21	2044-2045		45.12	45	494.05			494	449	0.01	7
22	2045-2046		52.40	52	573.69			574	521	0.01	6
23	2046-2047		60.85	61	666.17			666	605	0.01	6
24	2047-2048		70.65	71	773.55			774	703	0.01	6
Total		113	579	692	6,316	-	-	6,316	5,624		150

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 in the opportunity cost of vehicles. Project would provide effective protection to the vehicles against the solar radiation and ultraviolet rays, rain, hail, wind, and dust, thereby slowing down the deterioration of vehicles and reducing the cost of maintenance.

5 Inflation rate is applied at cost savings @ 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
Sewerage/ RCC Pipelines	25
Vehicles	10
Machinary & 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.

Annexure F. Stakeholder's Consultative Session

Consultative Session - Kamalia.pdf

2022-2023

Consultative Session_Kamalia.pdf

2023-2024

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

Summary of Cost Water Supply		
Sub Head No	**Sub Head**	**Total Cost (Rs)**
1	Man power (Annex-A-1)	8,837,000
2	Electricity charges (Annex-B-1)	22,267,876
3	Repairs & Replacements (Annex-C-1)	4,505,010
4	Supply items (Annex-D-1)	198,050
	POL	-
	Contingencies	200,000
	Grand Total	36,007,936
	Grand Total	**36,007,936**
	Say (million Rs)	**36.01**

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

Summary of Cost		
Sub Head No	**Sub Head**	**Total Cost**
1	Man power (Annex-A-2)	9,195,000
2	Electricity charges (Annex-B-2)	16,823,326
3	Repairs & Replacements (Annex-C-2)	3,955,000
4	Supply items (Annex-D-2)	-
	POL	3,982,500
	Contingencies	-
	Grand Total	**33,955,826**
	Grand Total	**33,955,826**
	Say (million Rs)	**33.96**

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

Summary of Cost		
Sub Head No	**Sub Head**	**Total Cost**
1	Man power (Annex-A-3)	94,688,000
2	Energy Charges (Annex-B-3)	-
3	Repairs & Replacements (Annex-C-3)	4,430,000
4	Supply items (Annex-3)	1,507,000
	POL	19,968,390
	Contingencies	1,540,000
	Grand Total	**122,133,390**
	Grand Total	**122,133,390**
	Say (million Rs)	**122.133 Millions**

Annexure J. Detail of SWM Machinery purchased under PCP

بلدیہ مستحکم – پنجاب مستحکم

OFFICE OF THE
MUNICIPAL COMMITTEE KAMALIA

Subject: **REGISTRATION OF VEHICLE SOLID & LIQUID WASTE MANAGEMENT SYSTEM MACHINERY MUNICIPAL COMMITTEE KAMALIA**

Reference the subject cited above.

Sr. No.	Manufacturer	Chassis No.	Registration No.	Super Structure
1	ISUZU	KN 7100994	N.A	Hydraulic Aerial Platform
2	ISUZU	KN 7100996	N.A	Sewer Jetting Machine
3	ISUZU	KN 7100997	N.A	Sewer Suction Machine
4	ISUZU	KN 7100995	N.A	Compactor
5	ISUZU	KN 7100993	N.A	Compactor
6	ISUZU	KN 7100992	N.A	Water Spray System Truck
7	ISUZU	HN 7100035	N.A	Mini Jetting Machine
8	ISUZU	MN 7000059	N.A	Dumper
9	Suzuki	SV 308 PK 01141768	N.A	Mobile Workshop
10	Suzuki	SR 308 PK 490850	N.A	Mini Tipper
11	Suzuki	SR 308 PK 490969	N.A	Mini Tipper
12	Suzuki	SR 308 PK 491075	N.A	Mini Tipper
13	Suzuki	SR 308 PK 491322	N.A	Mini Tipper
14	Suzuki	SR 308 PK491318	N.A	Mini Tipper
15	Dosan	140-W	N.A	Wheel Excavator

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