

**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







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# 1 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
Α	Excellent	Routine Maintenance
В	Good	Minor Repair
С	Fair	Major Repair
D	Poor	Rehabilitation
E	Failing	Replacement

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

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

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

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

### 4. Identification of Projects

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

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

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

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

### 5. Financial Capacity Analysis

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

### 6. Project Screening & Phasing

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

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

Municipal Committee Kamalia

### 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 information 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.

# 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. 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

<sup>&</sup>lt;sup>1</sup> 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.

# **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
		Tube wells	No.	15
1	Water Supply System	Water Supply Network	Meter	441,277
1	Water Supply System	OHR	No.	3
		Movable Assets (Vehicles/Machinery)	No.	1
		Sewerage Network	Meter	74,740
2	Sewerage System	Disposal Stations	No.	3
	2 Sewerage System Disposal Station  Movable Assets (Vehicles		No.	13
3	Recreational	Park	No.	5
4	CM/AA Daarawaa	Dumping Site	No.	1
4	SWM Resource	Movable Assets (Vehicles/Machinery)	No.	167
5	Bus Stands	Bus Stand	No.	1
		Offices	No.	1
6	Buildings	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				Asse	et Condition	า			
No.	Asset Category	Asset Sub-Category	Excellent (A)	Good (B)	Fair (C)	Poor (D)	Failing (E)	Unit	Total
		Tube wells	-	9	5	-	1	No.	15
	Water Supply System	Water Supply Network	182381	-	258896	-	-	Meter	441,277
1		OHR	1	-	2	-	-	No.	3
		Movable Assets (Vehicles/Machinery)	-	-	1	-	-	No.	1
		Sewerage Network	410	-	-	-	74330	Meter	74,740
2	Sewerage System	Disposal Stations	-	1	2	-	-	No.	3
2	Sewerage System	Movable Assets (Vehicles/Machinery)	-	5	8	-	-	No.	13
3	Recreational	Park	-	1	3	1	_	No.	5

Sr				Asse	et Conditio	n			
No.	Asset Category	Asset Sub-Category	Excellent (A)	Good (B)	Fair (C)	Poor (D)	Failing (E)	Unit	Total
		Dumping Site	-	-	-	1	-	No.	1
4	SWM Resource	Movable Assets (Vehicles/Machinery)	161	-	6	-	-	No.	167
5	Bus Stands	Bus Stand	1	-	-	-	-	No.	1
		Offices	-	-	1	-	-	No.	1
6	Buildings	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

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%	line granuous aut. 9	
	Water Supply Coverage by private wells %	Percentage of area, where residents have own water sources.	45%	30%	Improvement & Rehabilitation of Water Supply system in Kamalia City	2023-2024
	Water production GPCD	Total daily water supplied to the distribution system (ex-treatment plant and including purchased water, if any) expressed by population served per day.	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	
	Sewerage blockages (Blockages/KM)	Total number of blockages/ complaints per year expressed per km of sewers	2	1.20	System and Disposal Stations for Kamalia City	2023-2026
	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%		
	Roads with condition "B" (Good) %	Total length of roads with condition "B" expressed as a percentage of total roads.	18%	33%	Improvement and Rehabilitation of	2022 2024
	Roads with condition "C" (Fair) %	Total length of roads with condition "C" expressed as a percentage of total roads.	20%	20%	Roads and Chowks in Kamalia City	2023-2024
	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%		
	Parks with condition "B" (Good) %	Parks with condition "B" expressed as a percentage of total parks.	20%	40%	Improvement and	
	Parks with condition "C" (Fair) %	Parks with condition "C" expressed as a percentage of total parks.	60%	60%	Rehabilitation of Parks in Kamalia City	2025-2026
	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) %	A" Total area of graveyards with condition "A" expressed as a percentage of total area of graveyards.		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		
	Adequacy of facilities at bus stands	Adequacy of facilities at bus stands	No	Yes	Construction of General Bus Stand (GSB) in Kamalia City	2023-2025
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 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	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.

# **O**5 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** 

				Total	2023	-24	2024-	25	2025	<b>-26</b>	Project
Sr. No.	Project ID	Project Name	Asset Category	Capital Cost	Capital	O&M	Capital	O&M	Capital	O&M	Screening
							(Millions)				(Score)
1	02-10-01-02- 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

				Total	2023-	24	2024-	25	2025	5-26	Project
Sr. No.	Project ID	Project Name	Asset Category	Capital Cost	Capital	O&M	Capital	O&M	Capital	O&M	Screening
			3				(Millions)				(Score)
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	-	1	-	-	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

				Total	2023-	-24	2024-	25	2025	-26	Project
Sr. No.	Project ID	Project Name	Asset Category	Capital Cost	Capital	O&M	Capital	O&M	Capital	O&M	Screening
				(Millions)		(Score)					
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	1	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	•		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<sup>2</sup>:

**Table 5: Projects Detail** 

Sr	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	<ol> <li>1) Rehabilitation of the components of existing water supply system to attain full efficiency out of these installations.</li> <li>2) Supply of adequate quantity of water in water shortage areas.</li> <li>3) Improvement of service delivery level in the entire city.</li> <li>4) Augmentation of the source capacity</li> <li>5) Equal distribution of water in the entire system</li> <li>6) Improvement of terminal pressure at remote ends of the distribution system</li> <li>7) Reduction of water borne diseases.</li> <li>8) Improvement in local and province economy.</li> </ol>	Replacement of 6 pumpsets Installation of capacitors	50	2.5	Kamalia City

<sup>&</sup>lt;sup>2</sup> 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.	<ol> <li>Bus Stand Require the following components</li> <li>Waiting hall</li> <li>Ticketing booths</li> <li>Toilets</li> <li>Ablution place</li> <li>Prayer place</li> <li>Tuck shop</li> <li>Drinking water facilities</li> <li>Parking sheds for buses</li> <li>Workshop</li> <li>Bus departure sheds</li> <li>Car parking lot</li> <li>Rickshaw stand</li> <li>Shops</li> <li>Water supply and drainage/sewerage facilities</li> <li>Boundary wall and gates</li> <li>Illumination &amp; electrification</li> </ol>	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.	<ul> <li>Boundary wall and gate</li> <li>Doctor's room</li> <li>Slaughtering hall</li> <li>Evisceration hall</li> <li>Meet cutting room</li> <li>Blood collection arrangements</li> <li>Water supply systems</li> <li>Skin storage room</li> </ul>	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.	<ul> <li>Waste water disposal system</li> <li>Solid waste collection and disposal system</li> <li>Health and Hygiene SOPs</li> <li>Separate Facility for Sick Animals</li> <li>Tools Disinfectant System</li> </ul>			
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.	Rehabilitation of Existing Pavement Structure     Pavement Marking     Improvement of drainage system     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.

# **6** Financial and Economic Analysis

# **Section 6. Financial and Economic Analysis**

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

### 1.1. Qualitative Assessment

The qualitative benefits of the proposed projects are as under:

- (i) The benefits of municipal project Engines of Growth: Among other benefits, municipal projects generate employment opportunities and create a positive impact on the standard of living. Few projects proposed under IDAMP are mega projects which would create their own economy, boast manufacturing & trading, create need for commerce value chain.
- (ii) **Environmental Up-gradation:** Development of wastewater treatment plant would provide primary and secondary treatment, thereby have a positive bearing on environment. Further, all projects will especially focus environmental considerations during construction and operational phases. Further green areas, trees and plantations will provide not only refreshing view but will enhance the environmental conditions and help climate stabilization.
- (iii) **Employment Opportunities:** The Project is likely to create employment opportunities for over 1,000 people during construction and about 500 people at operational stage in addition to indirect employment generation.
- (iv) **Improvement in Service Delivery of Water Supply:** 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	202	23-24	202	24-25	202	25-26
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	1	72.31
Parks	1	-	-	-	50.00	1.25
Streetlights	1	-	-	-	25.25	0.63
Bus Stand	113.03	2.83	112.98	5.65	-	5.65
Slaughter House	1	-	-	-	54.45	1.36
Buildings	50.00	0.25	-	0.25	1	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.

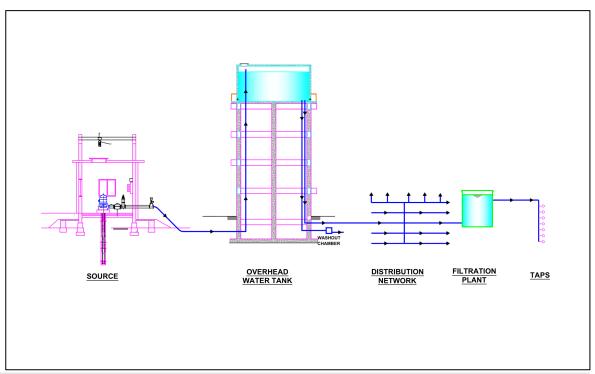
Operating and maintenance (O&M) cost shall be incurred during operational phases of the project. Operation and maintenance cost includes electricity and other utility cost, administrative expenses, maintenance cost, payroll cost and other overheads etc.

# Annexure

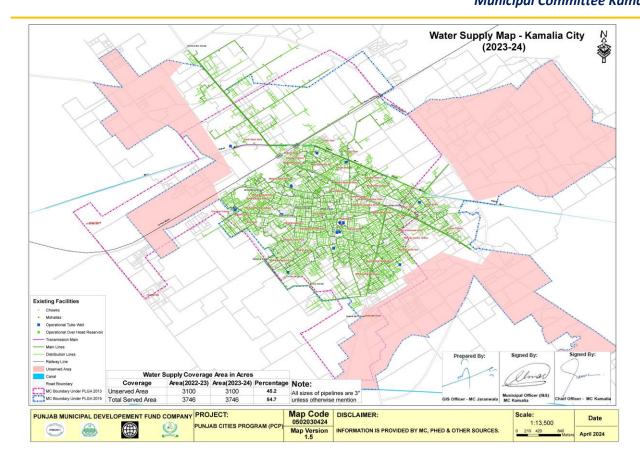
# **Annexure A. Detail of Assets**

## 1. Water Supply:

Key Components of a Water Supply System



Map of a Water Supply System



### A. Tube well

Sr#	Name	Age (Ye	ars)	Discharge Capacity	Motor hp	Pump Make	Motor Make	Condition	Status	Book Value (PKR
		Civil Structure	Pump	(Cusecs)						Mil)
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 Enginee ring	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 Enginee ring	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		N	lo Pump Set			Abandoned	-

		Integrated D	evelopmer	t and	Asset	Maı	nageme	ent Plan	(IDAMP)
			Munci	oal Co	mmit	tee K	Camalia		
Form			Tube Well						As
IDAMP	-A1		ondition Ass	essm	ent				
N		Asset		46.05	C: #				Pi
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Installation					.3				1
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Delivery	Dia				ches				Kamalia, Pu PJGX+2JM, Iqb Singh District,
Pipe	Materi	al			Steel				Lat 30.724892 Long 72.64889
Chlorinato		a i	Yes	IVIIIU	Jicei	No		Jogie	02/05/23 12:38
			Once in a	Δft	er 6		No		
Chlorinatio	n Sched	lule	Year		nths		nedule		
Apron Arou	ınd Pun	np House	Yes			No			0
<b>Hoisting Gi</b>	rder		Yes			No			1
<b>Civil Struct</b>	ure Con	dition	Good	Fa	ir	I	Bad		
Approach t	o Pump	House	Good	Fa	ir	l	Bad		
		Pump	Details						Kamali
Pump Type				Tur	bine				F. 60 X 218 The Sings Let 20 72 A
Pump Mak	e		Haseeb	Waqa	as Eng	ineeı	ring		2,002
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Rotational	•				.75				
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Bore Depth	1 (ft.)				00				
Head (ft.)					50				8
		n Depth (ft.)			00				
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- (		tro-Mechanical	Equipment						3.5
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Service Cab			Yes			No			20092
Earthing of			Yes			No			
Energy Me			Yes			No			
Water Met			Yes			No			
water wiet	CI		165			INO		<u> </u>	



**Pictures** 







	Integrated De	evelopment and	Asset Mai	nagement	Plan (IDAMP)	
		Muncipal Cor	nmittee K	Kamalia		
Form: IDAMP-A1		Tube Well ndition Assessme	nt			Code: Date: 02-05-2023
PFI Equipment		Yes	No			
Generator		Yes	No			
<b>Change Over</b>		Yes	No			
		Overa	all Rating			
Average Score	1	2		3	4	5
Asset Condition	Excellent	Good	F	air	Poor	Failing
Category	Α	В		С	D	Е
		Remarks /	Requirem	nents		
No remarks						
Data Collected By:	: Mr. Tayyab	Designation: Ted	am Memb	er	Sign & Date: 30 M	
					Sigil & Dute. 30 IV	iuy 2023
Data Checked By:	Mr. M. Fiaz	Designation: Ted	am Lead		May	ing
					Sign & Date: 30 M	1ay 2023

		Integrated D	)evelopm <u>e</u> n	t and	Asset	Manager	nen
						tee Kama	
Form IDAMP		Asset Co	Tube Well ondition Ass	essm	ent		
		Asset	Detail				
Name			N	/IC Of	fice #	1	
Location	Latitud	е		30.72	25464		
LUCALIUII	Longitu	ıde		72.6	49812		
Address			Al Az	iz Ro	ad, Kar	nalia	
Area (Marl	la)			1 N	1arla		
Working St	tatus		Functiona	al	Non- I	unctiona	l
Installation	ո Year of	Tube Well		20	000		
Installation	ո Year of	Pump		20	000		
Capital Cos	st of Mad	chinery	N	lot A	vailabl	е	ا
Operationa	al Hours				6		
Delivery	Dia			8 in	ches		
Pipe	Materia	al		Mild	Steel		$\sqcap$ [
Chlorinato	r		Yes			No	$\sqcap$
Chlorinatio	on Sched	ule	Once in a Year	,	er 6 nths	No Schedul	e
Apron Aro	und Pum	np House	Yes			No	
Hoisting Gi	irder		Yes			No	
Civil Struct	ure Con	dition	Good	Fa	air	Bad	

		Integrated D	evelopment and A	Asset Mana	gement	Plan (IDAMP)	
			Muncipal Con	nmittee Ka	malia		
Form:			Tube Well			Asset	Code:
IDAMP-A	1	Asset Co	ndition Assessme	nt			Date: 02-05-2023
Approach to	Pump	House	Good Fai	r Ba	ad		
		Pump l	Details				134 4
Pump Type			Turb	ine		The state of the s	7
Pump Make			KSI	3			
Discharge Ca	pacity	(Cusec)	0.5	5			
Rotational Sp	oeed (	RPM)	146	5			
Housing Dia (	(inche	es)	12				
Bore Depth (	ft.)		500	)		Kamala, Punjab,	Pakistan Kanala, tob
Head (ft.)			17:	5		Too Bings States, Puril 1997 States Puril 1997 29 States Puril 1997 29 States Puril 1997 States Puril	Db, Pakstan 755 Trigstoo
Impeller Insta	allatio	on Depth (ft.)	100	)			
Paint of Pum	ping l	Jnit	Pod	or			
Number G	ate V	alve	1			11-1-12	
of Valves N	Ion-Re	eturning Valve	1				
Base Plate			Yes	No			
	Elec	tro-Mechanical	<b>Equipment Detail</b>	S			
Transformer	Capac	city (kVA)	100	)			
Sanctioned Lo	oad (k	(wh)	30	1		Kamala, Punjab,	Pokistan
<b>Motor Power</b>	r (HP)		30	1		This Bingh Startet, Purjular 1972/14057* Google Control 1972/14057*	to Day Folkstan 725
<b>Motor Make</b>			Siem	ens			
MCU			Yes	No			
Earthing of M	/lotor		Yes	No			
Power Wiring	g		Yes	No			
Service Cable	)		Yes	No			
Earthing of M	1CU		Yes	No			
<b>Energy Meter</b>	r		Yes	No			
Water Meter	•		Yes	No			
PFI Equipmer	nt		Yes	No			
Generator			Yes	No			
<b>Change Over</b>			Yes	No			
			Overa	II Rating			
Average Sco	ore	1	2	3		4	5
Asset Condit	ion	Excellent	Good	Fa	ir	Poor	Failing
Category		Α	В	C		D	E
			Remarks /	Requireme	nts		
No rema	arks						
Data Collecte	ed By:	Mr. Tayyab	Designation: Tea	ım Membel	r	July	do 2022
Data Checked	d By: N		Designation: Tea			Sign & Date: 30 M	ny
		Integrated D	evelopment and A	Asset Mana	gement	Plan (IDAMP)	

		Integrated D	Developmen	it and	Asset	Mar	nageme	ent Plan (IDAMP
			Munci	oal Co	mmit	tee K	Camalia	
Form		Asset Co	Tube Well					,
IDAMP	-A1	Asset Co	ondition Ass	essm	ent			
			Munci	oal Co	mmit	tee K	Camalia	
Form			Tube Well					
IDAMP	'-A1		ondition Ass	essm	ent			
		Asset	1					
Name	I i	<u> </u>	Faa		waan	#1		
Location	Latitud				23698			
Address	Longitu	ide	Eazal		48723 ian, Ka	mali	2	
Area (Marl	a)		Fazai		iari, Ka 1arla	IIIIaii	a	
Working St			Function		Non- I	Func	tional	
		f Tube Well	· anction		004	and		
Installation					004			
Capital Cos			1	Not A	/ailabl	e		Kamalia PJFX+HQ,
Operationa					6			Punjab, Pa Lat 30.723 Long 72.64
Delivery	Dia			8 in	ches			Google 02/05/23 0
Pipe	Materi	al		Mild	Steel			
Chlorinato	r		Yes			No		13146 10
Chlorinatio	n Sched	lule	Once in a Year		er 6 nths		No nedule	
Apron Arou	und Pun	np House	Yes			No		
Hoisting Gi		•	Yes			No		
Civil Struct		dition	Good	Fa	air		Bad	Kamalia PJFX+HQ
Approach t	o Pump	House	Good	Fa	air	E	Bad	Punjab, Pa Lat 30.723
		Pump	Details					Google Long 72.64
Pump Type	•			Tur	bine			
Pump Mak	е		Haseeb	Waq	as Engi	ineer	ring	
Discharge (					1			
Rotational		•			175			200
Housing Di		s)			.2			
Bore Depth	1 (ft.)				00			a ji
Head (ft.)					00			
-		n Depth (ft.)			00			•
Paint of Pu					oor			
Number	Gate V				1			:- XI
of Valves	Non-Re	eturning Valve	V		1			
Base Plate	FI.	atro Machanica	Yes	Dat-	ilo	No		
Transforme		tro-Mechanical	i Equipment		00			
Sanctioned		<u> </u>			.07			59/
Motor Pow		(WII)			.07 50			- C-
Motor Mal					nens			
MCU	\ <u>C</u>		Yes	JIEI	110113	No		Circos
Earthing of	Motor		Yes			No		1
_ ar arming Of			103		ı			<u>I</u>



**Asset Code:** 

**Pictures** 

Date: 02-05-2023







	Integrated D	evelopment and	Asset Mai	nagement	: Plan (IDAMP)	
		Muncipal Co	mmittee K	Kamalia		
Form: IDAMP-A1		Tube Well ndition Assessme	ent			Code: Date: 02-05-2023
Power Wiring		Yes	No			
Service Cable		Yes	No			
<b>Earthing of MCU</b>		Yes	No			
<b>Energy Meter</b>		Yes	No			
Water Meter		Yes	No			
PFI Equipment		Yes	No			
Generator		Yes	No			
<b>Change Over</b>		Yes	No			
		Over	all Rating			
Average Score	1	2		3	4	5
Asset Condition	Excellent	Good	F	air	Poor	Failing
Category	Α	В		С	D	E
		Remarks /	Requirem	nents		
<ul> <li>No remarks</li> </ul>						
Data Collected By:	: Mr. Tayyab	Designation: Te	am Memb	er	Luy	
					Sign & Date: 30 M	1ay 2023
Data Checked By:	Mr. M. Fiaz	Designation: Te	am Lead		May	ny
					Sign & Date: 30 M	1ay 2023

		Integrated D	Pevelopment ar	nd Asset Ma	nageme	ent Plan (IDAMP)
			Muncipal (	Committee l	Kamalia	
Forn IDAMF		Asset Co	Tube Well ondition Assessment			Asset Code: Date: 02-05-2023
		Asset	Detail			Pictures
Name			Fazal [	Dewaan # 2		
l acation	Latitud	е	30.	723243		
Location	Longitu	ıde	72.	648945		
Address	<u> </u>			waan, Kamal	а	
Area (Mar	la)		1 Marla			
Working S	tatus		Functional	Non- Fund	tional	
Installatio	n Year of	Tube Well		2015		Cos Min Caused
Installatio	n Year of	Pump		2015		Kamalia, Punjab, Pakistan
Capital Co	st of Mad	chinery	Not	Available		Purjah, Palifalia, 100a tek singil bisurut, Punjah, Pakistan Lat 30,723243°
Operation	al Hours	-		6		200gle Long 72.648945° - 02/05/23 01:12 PM GMT +05:00
Delivery	Dia		8	inches		
Pipe	Materi	al	Mi	ld Steel		
Chlorinato	r		Yes	No	ı	

#### Integrated Development and Asset Management Plan (IDAMP) **Muncipal Committee Kamalia Tube Well** Form: **Asset Code:** Date: 02-05-2023 **IDAMP-A1 Asset Condition Assessment** Once in a After 6 No **Chlorination Schedule** Year Months Schedule **Apron Around Pump House** No Yes **Hoisting Girder** Yes No **Civil Structure Condition** Good Fair Bad **Approach to Pump House** Good Fair Bad **Pump Details** Turbine **Pump Type** 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 **Gate Valve** 1 of Valves 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** No Yes **Energy Meter** Yes No Water Meter Yes No PFI Equipment Yes No Generator Yes No **Change Over** Yes No **Overall Rating** 2 5 Average Score 3 4 Asset Excellent Good Fair Poor Failing Condition Ε Α C D Category **Remarks / Requirements** No remarks Data Collected By: Mr. Tayyab Designation: Team Member

Т	Muncipal Committee K	
Т	Fulso Marall	
Asset Con	Tube Well dition Assessment	Asset Code: Date: 02-05-2023
		Sign & Date: 30 May 2023
M. Fiaz	Designation: Team Lead	Sign & Date: 30 May 2023
٨		Asset Condition Assessment  1. Fiaz Designation: Team Lead

		Integrated D	evelopmen	t and	Asset	Maı	nageme
			Muncip	oal Co	mmitt	tee K	Camalia
Form IDAMP	•	Asset Co	Tube Well ondition Ass	essm	ent		
		Asset	Detail				
Name			D	ulma	Thatth	na	
Location	Latitud	е		30.72	23203		
Location	Longitu	ıde	72.648767				
Address			Darga	ahi Sh	ah, Ka	mali	a
Area (Marl	a)			1 M	larla		
Working St	atus		Function	al	Non- I	Func	tional
Installation	Year of	Tube Well		20	15		
Installation					15		
Capital Cos		chinery	N		ailabl	e	
Operationa					5		
Delivery	Dia				ches		
Pipe	Materi	al			Mild S		
Chlorinato	<u> </u>		Yes	A C:	6	No	
Chlorinatio	n Sched	ule	Once in a Year	•	er 6 nths		No nedule
Apron Arou	ınd Dur	n House	Year	IVIO	11115	No	
Hoisting Gi		ip House	Yes		No		
Civil Struct		dition	Good	Fa	ir		Bad
Approach t			Good Fair				Bad Bad
ppioucii t	o i unip		Details				
Pump Type	<u> </u>		Turbine				
Pump Mak					SB		
Discharge (		(Cusec)			2		
Rotational					80		
Housing Di	-	-		1	2		
Bore Depth	-			50	00		
Head (ft.)				20	00		
Impeller In	stallatio	n Depth (ft.)		10	00		
Paint of Pu	mping l	Jnit		Pc	or		
Number	Gate V	alve		-	1		
of Valves	Non-Re	eturning Valve			1		
Base Plate			Yes			No	
		tro-Mechanical	Equipment	Deta	ils		
Transformer Capacity (kVA)					00		
Sanctioned Load (Kwh)					.07		
Motor Pow			80				
Motor Mak	ke			Sien	nens		
MCU			Yes			No	
Earthing of			Yes			No	
Power Wir			Yes			No	
Service Cab			Yes			No	
Earthing of	MCU		Yes			No	



Pictures







	Integrated Development and Asset Management Plan (IDAMP)										
	Muncipal Committee Kamalia										
Form:		Tube Well			Asset Code:						
IDAMP-A1	Asset Co	ndition Assessme	nt			Date: 02-05-2023					
Energy Meter		Yes	No	1							
Water Meter		Yes	No								
PFI Equipment		Yes No									
Generator		Yes	No	1							
Change Over		Yes	No								
Overall Rating											
Average Score	1	2 3		3	4	5					
Asset	Excellent	Good Fa		air	Poor	Failing					
Condition											
Category	Α	В		С	D	E					
		Remarks /	Requirem	nents							
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										
Forn IDAMP		Asset Co	Tube Well ondition Assessment					Asset Code: Date: 02-05-2023			
		Asset	Detail					Pictures			
Name			Alla	ah Wa	ali Mas	sjid					
Location	Latitud	e		30.72	20600						
Location	Longitu	ide	72.646948								
Address	Address			Allah Wali Masjid, Kamalia							
Area (Marl	la)		1 Marla								
Working St	tatus		Functional Non- Functio			Function	nal				
Installation	າ Year of	Tube Well	2015								
Installation	າ Year of	Pump	2015								
Capital Cos	st of Mad	hinery	N	lot Av	ailable	e		Kamalia, Punjab, Pakistan			
Operation	al Hours			(	<u>5</u>			PM53+QXC, Kamalia, Toba Tek Singh District,			
Delivery	Dia			8 in	ches			Punjab, Pakistan Lat 30.709906° Long 72.65425°			
Pipe	Materia	al		Mild	Steel			02/05/28 01:58 PM GMT +05:00			
Chlorinator		Yes No		No							
Chlorinatio	n Sched	ule	Once in a Year	•	er 6 nths	No Sched					
Apron Aro	und Pum	p House	Yes			No					

### **Integrated Development and Asset Management Plan (IDAMP) Muncipal Committee Kamalia Tube Well** Form: **Asset Code:** Date: 02-05-2023 **IDAMP-A1 Asset Condition Assessment Hoisting Girder** Yes No Good **Civil Structure Condition** 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.) 580 200 Head (ft.) Impeller Installation Depth (ft.) 100 **Paint of Pumping Unit** Poor **Gate Valve** Number 1 of Valves 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** 5 Average Score 2 3 Asset Excellent Good Fair Poor Failing Condition Ε Α C D Category В **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 ndition Assessment	Asset Code:							
Data Checked By: Mr. M. Fiaz		Designation: Team Lead		Worth						
				Sign & Date: 30 May 2023						

		Integrated [	)evelonmen	nt and	Asset	Manageme
		integrated L				tee Kamalia
Form	ո։		Tube Well			
IDAMP	IDAMP-A1 Asset			sessm	ent	
		Asset	Detail			
Name	1		Islam	pura C		no. 6
Location	Latitud				L7013	
	Longitu	de			39282	
Address			Islampura			6, Kamalia
Area (Mari			From add a sec		larla Nas I	
Working St Installation		Tubo Moll	Function		<u>Non- I</u> 115	Functional
Installation					15	
Capital Cos		· · · · · · · · · · · · · · · · · · ·				<u> </u>
Operationa		, initely	Not Availble 6			
Delivery	Dia				ches	
Pipe	Materia	al			Steel	
Chlorinato	r		Yes No			
Chlorinatio	n Schad	ula	Once in a	Afte	er 6	No
Cilioilliatio	ii scried	uie	Year	Moı	nths	Schedule
Apron Arou	und Pum	p House	Yes			No
Hoisting Gi			Yes			No
Civil Struct			Good	Fa		Bad
Approach t	o Pump		Good	Fa	nir	Bad
		Pump	Details			
Pump Type					bine	
Pump Mak		(Cuses)			SB	
Discharge (					2 -80	
Rotational Housing Di						
Bore Depth		) 	12			
Head (ft.)	1 (16.)		500			
	stallatio	n Depth (ft.)	200 100			
Paint of Pu					or	
	Gate Va				1	

	Integrated D	evelopment and A	Asset Manageme	nt Plan (IDAMP)			
		Muncipal Con	nmittee Kamalia				
Form: IDAMP-A1	Asset Co	Tube Well andition Assessme	nt		Asset Code: Date: 02-05-2023		
Number of Valves	Returning Valve	1		· ·			
Base Plate		Yes	No	3 ~ Moles TYPE 11-M7 253-4 AA 9	MENS		
El	ectro-Mechanical	<b>Equipment Detail</b>	S	V Come A HP PF RP	10 Eval. 10		
Transformer Cap	acity (kVA)	100	0	Rot. Kt. 18	Vestion To GPS Map Camera		
Sanctioned Load	(Kwh)	61.0	)7	Kamalia, Punjab,	Pakistan		
Motor Power (H	P)	80	)	PJ8Q+VJC, Kamalia, To Punjab, Pakistan Lat 30.716741°	Da Tek Singh District,		
Motor Make		Siem	ens	Doogle Long 72.639448° 02/05/23 02:42 PM GN	MT +05:00		
MCU		Yes	No		The state of the s		
Earthing of Moto	or	Yes	No				
Power Wiring		Yes	No				
Service Cable		Yes	No				
<b>Earthing of MCU</b>		Yes	No				
<b>Energy Meter</b>		Yes	No				
Water Meter		Yes	No				
PFI Equipment		Yes	No				
Generator		Yes No					
Change Over		Yes	No				
		Overa	II Rating				
Average Score	1	2	3	4	5		
Asset	Excellent	Good	Fair	Poor	Failing		
Condition							
Category	Α	В	С	D	Е		
		Remarks / I	Requirements				
No remarks							
Data Collected By	ı: Mr. Tayyab	Designation: Tea	ım Member	Sign & Date: 30 May 2023			
Data Checked By	: Mr. M. Fiaz	Designation: Tea	ım Lead	Sign & Date: 30 May 2023			

	Integrated Development and Asset Management Plan (IDAMP)  Muncipal Committee Kamalia									
Forn IDAMP		Asset Co	Tube Well ondition Assessment		Asset Code: Date: 02-05-2023					
		Asset	Detail		Pictures					
Name			Jhand Shah							
Location	Latitud	e	30.726158							
Location Longitude			72.638271							

		Integrated D	evelopmen	it and	Asset	: Mar	nageme	ent Pla	an (ID	AMP)
			Munci	oal Co	mmit	tee K	amalia			
Form		Asset Co	Tube Well	.055120	ont					As
	-A1	Asset Co				I:		l		
Address			EIQ G		ad, Ka Iarla	maii	a			
Area (Mari			F			F	Lianal			
Working St		CTba Mall	Functional Non- Functional 2009							
		f Tube Well								
Installation		•			009	_		Yal		1
	Capital Cost of Machinery Operational Hours		ľ		/ailabl	e				
<u> </u>					6					P
Delivery	Dia				ches			*		F
Pipe	Materi	V	IVIIIa	Steel	NI -					
Chlorinato	<u>r                                    </u>		Yes	۸.		No			90	Kamalia, Pu Pugq+c6w, Ei
Chlorinatio	n Sched	lule	Once in a		er 6 nths		No nedule			Singh District Lat 30.726102° Long 72.6382°
Apron Arou	und Dun	en House	Year Yes	IVIO	nuns	No		3000		02/05/23 03:0
Hoisting Gi		ip nouse	Yes			No				
Civil Struct		dition	Good	C-	ir air		Bad			
Approach t			Good		air		Bad	•	- A	
Арргоаспі	o Fullip		Details	ГС	311		<u>Jau</u>			
Pump Type		rump	Details	Tur	bine					
Pump Mak					v Pak				4	
Discharge (		(Cusec)			1				9	Kamalia, Pu PJGQ+C6W, Ei
Rotational	-		1475						MYCHAEL SHEET	Singh District, Lat 30.726096 Long 72.63826
Housing Di		•	12							02/05/23 03:0
Bore Depth	-	<u> </u>	480							
Head (ft.)	. (10.)		200						4	
	stallatio	n Depth (ft.)	100							
Paint of Pu					oor					
Number	Gate V				1			//////	Lagra	
of Valves		eturning Valve			<u>+</u> 1					-
Base Plate	iton it	turing varve	Yes		_	No			•	Kamalia, Pu PJGQ+C6W, EI
Dase : late	Flec	tro-Mechanica		Deta	ils					Singh District, Lat 30.726103°
Transforme					00			3000	jle 💮	Long 72.63823 02/05/23 03:0
Sanctioned					.62					
Motor Pow		,			50					
Motor Mak					nens					
MCU			Yes			No			3	
Earthing of Motor		Yes			No			3	STO !	
Power Wiring		Yes			No					
Service Cable		Yes			No					
Earthing of MCU		Yes			No				Kamail Fuscio	
Energy Meter		Yes		No				Go	09le 12002	
Water Met			Yes		No					
PFI Equipm			Yes		No			ĺ		
Generator			Yes		No					
Change Ov	er		Yes			No				
				Over	rall Ra					









	Integrated Development and Asset Management Plan (IDAMP)											
	Muncipal Committee Kamalia											
Form: IDAMP-A1		Tube Well ndition Assessmen	t		Asset Code: Date: 02-05-2023							
Average Score	1	2		3	4	5						
Asset Condition	Excellent	Good	Fair		Poor	Failing						
Category	А	В		С	D	E						
	Remarks / Requirements											
No remarks												
Data Collected By:	Mr. Tayyab	Designation: Team Member			Sign & Date: 30 May 2023							
Data Checked By:	Mr. M. Fiaz	Designation: Tean	n Lead		Sign & Date: 30 May 2023							

### Integrated Development and Asset Management Plan (IDAMP) **Muncipal Committee Kamalia Tube Well** Form: **IDAMP-A1 Asset Condition Assessment Asset Detail** Name **Bhalla Chowk** Latitude 30.726318 Location Longitude 72.631238 Address 1 Marla Bhalla Chowk, Kamalia Area (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 8 Inches Delivery Dia Pipe Material Mild Steel Chlorinator Yes No No Once in a After 6 **Chlorination Schedule** Months Schedule Year **Apron Around Pump House** Yes No **Hoisting Girder** No Yes **Civil Structure Condition** Good Bad Fair 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 **Gate Valve** Number 1 of Valves **Non-Returning Valve** 1 Base Plate No Yes **Electro-Mechanical Equipment Details** Transformer Capacity (kVA) 100 Sanctioned Load (Kwh) 64 Motor Power (HP) 80 **Motor Make** Siemens MCU No Yes **Earthing of Motor** Yes No **Power Wiring** Yes No **Service Cable** Yes No **Earthing of MCU** Yes No



**Asset Code:** 

**Pictures** 







	Integrated Development and Asset Management Plan (IDAMP)										
		Muncipal Con	nmittee K	amalia							
Form: IDAMP-A1		Tube Well ndition Assessme	nt		Asset	Code: Date: 02-05-2023					
<b>Energy Meter</b>		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	F	air	Poor	Failing					
Category	А	В		С	D	Е					
		Remarks /	Requirem	ents							
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											
Forn IDAMP		Tube Well ondition Assessment					Asset Code:					
		Detail					Pictures					
Name				Bahlo	lwala							
Location	Latitud	e		30.73	31392							
Location	Longitu	ide	72.639606									
Address			Ghalla Mandi, Kamalia					7 7 1				
Area (Marl	la)		1 Marla									
Working St	tatus		Functional Non- Function			unction	nal					
Installation	າ Year of	Tube Well	2015									
Installation	າ Year of	Pump		20	15			1				
Capital Cos	st of Mad	hinery	N	lot Av	ailable	e		Kamalia, Punjab, Pakistan				
Operation	al Hours			(	5			P.JJR+82G, Road, Ghalla Mandi, Kamalia, Toba Tek Singh District, Punjab, Pakistan				
Delivery	Dia			8 In	ches			Lat 30.731392° Long 72.639606°				
Pipe	Materia	al		Mild	Steel			02/05/23 03:15 PM GMT +05:00				
Chlorinator		Yes No		No								
Chlorination Schedule		Once in a Year	•	er 6 nths	No Sched							
Apron Aro	Apron Around Pump House		Yes No		No							

Integrated Development and Asset Management Plan (IDAMP)										
		Muncipa	l Comr	nittee k	(amalia					
Form: IDAMP-A1		Tube Well ndition Asses	sment	:		Asset	Code: Date: 02-05-2023			
<b>Hoisting Girder</b>		Yes		No	)					
Civil Structure Cor		Good	Fair		Bad	Q 7-				
Approach to Pum		Good	Fair		Bad	* ->> =				
_	Pump D									
Pump Type			Turbin	е						
Pump Make	(6		KSB				DIP THE DIPLOT			
Discharge Capacit			2 1480			Kamaila, Punjab, 8.JR1620, Rock, Onli Index let Suppriser of Let 90.751607	Pakistan a Yand, Kamala   Kunga, Pakistan 725			
Rotational Speed Housing Dia (inch			1480			Georgie application of the search of the sea	T +88:09			
Bore Depth (ft.)	esj		580							
Head (ft.)			200							
Impeller Installati	on Depth (ft.)		100							
Paint of Pumping			Poor							
Number Gate \			1							
	eturning Valve		1							
Base Plate	_	Yes		No	١	Kamalla Punlah	Peristan			
Ele	ctro-Mechanical	Equipment D	etails			FURINSON Roce, Online to the Compiler of Les September of Les September of Les September 25 Sept	a Vand, Komalo, Fun an Palissan 725			
Transformer Capa	city (kVA)		100			EAST, CALLET PARCE.	T + 255:20			
Sanctioned Load (	Kwh)		64			2 2				
Motor Power (HP)	)		80							
Motor Make		Siemens								
MCU		Yes No								
Earthing of Motor		Yes		No						
Power Wiring		Yes		No						
Service Cable		Yes		No		Kamala, Punjab,	Pakistan a Yard, Sarala			
Earthing of MCU		Yes		No		Foto fell timps men co bur 50,75497 Long 17,7049 City COOGLE COOGLE COORDE	-0500			
Energy Meter		Yes		No						
Water Meter PFI Equipment		Yes Yes		No No						
Generator		Yes		No						
Change Over		Yes		No						
			verall	Rating						
Average Score	1	2			3	4	5			
Asset Condition	Excellent	Good		F	air	Poor	Failing			
Category	А	В С				D	E			
		Remar	ks / Re	equiren	nents					
No remarks										
Data Collected By:	Mr. Tayyab	Designation: Team Member				Sign & Date: 30 May 2023				
		1				1-19.1 2. 20.00. 00 //	., ====			

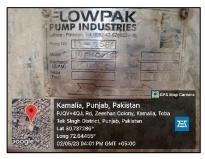
	Integrated De	evelopment and Asset Mar	nagement	Plan (IDAMP)
		Muncipal Committee K	Camalia	
Form: IDAMP-A1		Tube Well ndition Assessment		Asset Code: Date: 02-05-2023
Data Checked By: N	Лr. M. Fiaz	Designation: Team Lead		Worth
				Sign & Date: 30 May 2023

		Integrated D	evelopmen	it and	Asset	Mai	nageme	ent Pla	ın (ID <i>i</i>	AMP)
			Muncip	oal Co	mmitt	ee K	Camalia			
Form		Asset Co	Tube Well	essm	ent					As
		Asset	Detail							Pi
Name		710000		han C	olony	OHR				•
	Latitud	le			36693					
Location	Longitu				14384					
Address	1		Main Co			Kam	alia			
Area (Marl	a)				larla					
Working St			Function	al	Non- F	unc	tional		1	
		f Tube Well			008					
Installation	Year of	f Pump		20	800					0
Capital Cos	t of Ma	chinery	N	Not Av	/ailable	e		•		9/401
Operationa	al Hours	-		(	6				922220	Ka <b>mali</b> a, P
Delivery	Dia			8 In	ches			*	k	UPV+MP2, Ma lamalia, Toba 1 at 30.736693
Pipe	Materi	al		Mild	Steel			5000	L September 1	at 30,736693 ong 72,64438 2/05/23 03:59
Chlorinato	ŗ		Yes			No		2929	THE WORLD	
Chlavinatia	Cabaa	lula	Once in a	Aft	er 6		No	63		
Chlorinatio	n Sched	iuie	Year	Мо	nths	Scł	nedule			-
Apron Arou	und Pun	np House	Yes			No			Dan .	
<b>Hoisting Gi</b>	rder		Yes			No		-		
<b>Civil Struct</b>	ure Con	dition	Good	Fa	air	I	Bad		19	
Approach t	o Pump	House	Good	Fa	air	l	Bad			Camalia, P
		Pump	Details						T SEED T	UQV+4QJ, Ro ek Singh Dist at 30.737221
Pump Type	•			Tur	bine			5000	100 % L	ong 72.6445 2/05/23 04:0
Pump Mak	e			Flow	v Pak			NAME OF THE PERSON OF THE PERS	ata naces	
Discharge (	Capacity	(Cusec)			1			4 3		LOV
Rotational				14	160				PU	MP IN
Housing Di	•	s)		1	.2			9	Pump	No 17 -
Bore Depth	າ (ft.)				80				Gisch (G.F	large CM)
Head (ft.)					00				Fee	> 4
		on Depth (ft.)			00					Kamalia, P
Paint of Pu					or				T SEE	UQV+4QJ, Ro ek Singh Dist at 30.737286
Number	Gate V				1			5000	·源沙 L	ong 72.6445 2/05/23 04:0
of Valves	Non-Re	eturning Valve	.,		1			10.0016		
Base Plate			Yes			No				1
T (		tro-Mechanical	Equipment							PEN
Transforme	-				00					
Sanctioned		(wn)			.62					i
Motor Pow					0			ł		1
Motor Mal	(E		Yes	Sien		-		5		
Earthing of	Motor		Yes			No No				Kamu
Power Wir			Yes			No			Go	
Service Cal			Yes			No				COLUMN VENE
Earthing of			Yes			No				
Energy Me						No				
			Yes					-		
Water Met	er.		Yes			No				



**Pictures** 







	Integrated De	evelopment and A	Asset Mar	nagemen	t Plan (IDAMP)	
		Muncipal Con	nmittee K	amalia		
Form: IDAMP-A1		Tube Well ndition Assessme	nt		Asset	Code: Date: 02-05-2023
PFI Equipment		Yes	No			
Generator		Yes	No			
Change Over		Yes	No			
		Overa	II Rating			
Average Score	1	2		3	4	5
Asset Condition	Excellent	Good	F	air	Poor	Failing
Category	Α	В		С	D	Е
		Remarks / I	Requirem	ents		
No remarks						
Data Collected By	: Mr. Tayyab	Designation: Tea	m Memb	er	Sign & Date: 30 M	ay 2023
Data Checked By:	Mr. M. Fiaz	Designation: Tea	m Lead		Sign & Date: 30 N	ny

		Integrated D	)evelonmen	t and	Assat	Manag	zeme
		integrated b	Muncip			_	
	Form: Tube Well DAMP-A1 Asset Condition Assessment						
		Asset	Detail				
Name			Sla	ught	er Hou	ise	
Location	Latitud	e		30.7	3775		
Location	Longitu	ıde		72.63	30032	-	
Address			Nilkian	Wali	Road,	Kamalia	1
Area (Marl	la)			1 N	1arla		
Working St	tatus		Functional Non- Functional			nal	
Installation	n Year of	Tube Well		20	)21		
Installation	n Year of	Pump		20	)21		
Capital Cos	st of Mad	chinery	N	lot A	vailabl	е	
Operation	al Hours				6		
Delivery	Dia			8 In	ches		
Pipe	Materia	al		Mild	Steel		
Chlorinato	r		Yes			No	
Chlorinatio	Once in a After 6 No Schedule  Year Months Schedule						
Apron Aro	und Pum	np House	Yes No				
Hoisting G		-	Yes			No	
Civil Struct	ure Con	dition	Good	Fa	air	Bac	t

		Integrated D	evelopment and A	sset Manageme	nt Plan (IDAMP)	
			Muncipal Com	mittee Kamalia		
Form:	<b>\1</b>		Tube Well ndition Assessmen	t		Code: Date: 02-05-2023
Approach to	Pumi	House	Good Fair	Bad		
• •		Pump D				
Pump Type		•	Turbir	ne		
Pump Make			KSB			
Discharge Ca	pacit	v (Cusec)	2		- All ( )	
Rotational S	-		1450	)		
Housing Dia			12			unjab, Pakistan
Bore Depth (			580		Nilkian Wali Rd, Toba T Punjab, Pakistan	ek Singh District,
Head (ft.)	(141)		200		Lat 30.73786° Long 72.630018° 02/05/23 03:39 PM GM	
	allatio	on Depth (ft.)	100		02/00/20 00/30 1 1/1 0/1	
Paint of Pum			Good			
	Gate \		1	-		
-		eturning Valve	1			
Base Plate	1011-10	eturning valve	Yes	No	44	
base riace	Flo	ctro-Mechanical	Equipment Details			
Transformer			100			
Sanctioned L	•		61			☐ UPP Figs General
		-	80		Kamatia Tehnil, Pu Nikan osa H. Tota T Punjak Pakistan	njelo, Pakistan x Bhan Distlet, 725
Motor Powe					Google Lang 12 Minimase carona car	IT (05/20
Motor Make	!		Sieme			
MCU			Yes	No		
Earthing of N			Yes	No		
Power Wirin			Yes	No		
Service Cable			Yes	No		
Earthing of N			Yes	No		
Energy Mete			Yes	No		
Water Meter			Yes	No		
PFI Equipme	nt		Yes	No		
Generator			Yes	No		
Change Over	r		Yes	No		
	- 1			Rating		
Average Sc	ore	1	2	3	4	5
Asset		Excellent	Good	Fair	Poor	Failing
Conditio	n					
Category	y	Α	В	С	D	E
			Remarks / R	equirements		
No rem	arks					
Data Collecte	ed By:	Mr. Tayyab	Designation: Tear	m Member	Sign & Date: 30 M	d) Jay 2023
Data Checked	d By: I	Mr. M. Fiaz	Designation: Tear	m Lead	Sign & Date: 30 M	ing
			ı		1- 3 2. 2 2.00.0010	,

		Integrated D	evelopmen	t and	Asset	Manageme	ent Plan (IDAN
						tee Kamalia	
Form	1:		Tube Well				
IDAMP-	-A1	Asset Co	ondition Ass	essm	ent		
		Asset	Detail				
Name			Mai	kan W	/ali Ch	ungi	
Location	Latitud	е		30.73	8135		
Location	Longitu	ıde		72.64	1725		
Address			Main Co	lony	Road,	Kamalia	
Area (Marla	a)			1 M	larla		
Working St	atus		Function	al	Non-	Functional	
Installation	Year of	Tube Well		20	15		
Installation	Year of	f Pump		20	15		
Capital Cos		chinery	N	lot Av	ailabl	e	Kama
Operationa	l Hours			(	5		Kamali Lat 30.
Delivery	Dia			8 In			Google Long 7
Pipe	Materi	al		Mild	Steel		
Chlorinator	•		Yes			No	
Chlorinatio	n Sched	ule	Once in a	•	er 6	No	
			Year	Mo	nths	Schedule	- 7
Apron Arou		np House	Yes			No	
Hoisting Gi		10.0	Yes			No	-
Civil Structi			Good	Fa		Bad	Kama
Approach t	o Pump		Good	Fa	ıır	Bad	Punjab Lat 30
Dune: T:		Pump	Details	т	hir-		Boogle Long 7
Pump Make					bine Sp		-
Pump Make		(Cusco)			SB 2		· b
Discharge C		•			<u>2</u> .80		-
Rotational		•			.80 .2		-
Housing Dia		<b>&gt;</b> j			. <u>2</u> 30		-
Bore Depth Head (ft.)	(11.)				00		-
	stallatio	n Depth (ft.)			)0 )0		Kama PMP2-
Paint of Pu					or		Punjab
Number	Gate V				1		Google Long 7
of Valves		eturning Valve			<u>.                                    </u>		1
Base Plate			Yes		_	No	-
Suse i face	Elec	tro-Mechanica		Deta	ils		
Transforme			_4		00		O PO MAINT INTO
Sanctioned					4		380 🛆 71
Motor Pow					0		Re Kt of
Motor Mak					nens		Kama
MCU			Yes		2.10	No	Punjab Lat 30
Earthing of	Motor		Yes			No	Google Long 7
Power Wiri			Yes			No	1
Service Cab			Yes			No	1
Earthing of			Yes			No	1



**Pictures** 







	Integrated De	evelopment and A	Asset Mar	nagement	Plan (IDAMP)	
		Muncipal Con	nmittee K	amalia		
Form: IDAMP-A1		Tube Well ndition Assessme	nt			Code: Date: 02-05-2023
<b>Energy Meter</b>		Yes	No			
Water Meter		Yes	No			
PFI Equipment		Yes	No			
Generator		Yes	No			
Change Over		Yes	No			
		Overa	II Rating			
Average Score	1	2		3	4	5
Asset Condition	Excellent	Good	F	air	Poor	Failing
Category	А	В		С	D	Е
		Remarks /	Requirem	ents		
No remarks						
Data Collected By.	: Mr. Tayyab	Designation: Tea	ım Memb	er	Sign & Date: 30 N	alay 2023
Data Checked By:	Mr. M. Fiaz	Designation: Tea	ım Lead		Sign & Date: 30 N	nay 2023

		Integrated D	Developmen	it and	Asset	Manageme	
			Muncip	oal Co	mmitt	tee Kamalia	
Forn IDAMF		Asset Co	Tube Well ondition Ass	Tube Well ndition Assessment			
		Asset	Detail				
Name				Ravi	Town		
Location	Latitud	e		30.72	29137		
LUCALIUII	Longitu	ide		72.66	51998		
Address			Mamu Kanjun Road, Kamalia				
Area (Mar	la)	<u> </u>	1 Marla				
Working St	tatus		Functiona	al	Non- I	Functional	
Installatio	ո Year of	Tube Well		20	15		
Installatio	າ Year of	Pump	2015				
Capital Cos	st of Mad	hinery	Not Available				
Operation	al Hours			(	6		
Delivery	Dia			8 In	ches		
Pipe	Materia	al		Mild	Steel		
Chlorinato	r		Yes No		No		
Chlorinatio	on Sched	ule	Once in a After 6 No Year Months Schedu				
			Year	IVIO	ntns	Schedule	
Apron Aro	und Pum	p House	Yes			No	

### **Integrated Development and Asset Management Plan (IDAMP) Muncipal Committee Kamalia Tube Well Asset Code:** Form: Date: 02-05-2023 **IDAMP-A1 Asset Condition Assessment 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.) 580 200 Head (ft.) Impeller Installation Depth (ft.) 100 **Paint of Pumping Unit** Poor **Gate Valve** Number 1 of Valves Non-Returning Valve 1 **Base Plate** No Yes **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 Excellent Asset Good Fair Poor Failing Condition Ε Category Α В C D **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: Tube Well IDAMP-A1 Asset Condition Assessment			Asset Code: Date: 02-05-2023						
Data Checked By: Mr. M. Fiaz		Designation: Team Lead		Sign & Date: 30 May 2023					

Form:   Tube Well   Asset Code:   Date: 02   Tube Well   Asset Condition Assessment   Date: 02   Tube Well   Asset Code:   Date: 03   Tube Well   Asset Code:   Date: 03   Tube Well   Pictures   Date: 04   Tube Well   Asset Code:   Date: 05   Tube Well   Abandoned   Date: 05   Tube Well			Integrated D	)evelopmen	nt and	Asset	Manageme	ent Plan (IDAMP)
IDAMP-A1								
Name					essm	ent	Asset Code: _ Date: 02	
Location   Latitude   30.736693   72.644384   Address   Main Colony Road, Kamalia   1 Marla   Morking Status   Babandoned   Installation Year of Tube Well   2008   Installation Year of Pump   2008   Installation Year of Machinery   Operational Hours   Delivery   Dia   Material   Once in a   After 6   No   No   Chlorination Schedule   Apron Around Pump House   Yes   No   No   Civil Structure Condition   Good   Fair   Bad   Approach to Pump House   Good   Fair   Bad   Approach to Pump House   Pump Details   Pump Details   Discharge Capacity (Cusec)   Rotational Speed (RPM)   Housing Dia (inches)   Bore Depth (ft.)   Head (ft.)   Impeller Installation Depth (ft.)   Paint of Pumping Unit   Number   Gate Valve   Of Valves   Non-Returning Valve   Installation Polar   Installation			Asset	Detail				Pictures
Location    Longitude	Name			Ze	eeshar	n Colo		
Longitude   72.644384	Location	Latitud	е		30.73	36693		
Area (Marla)  Working Status  Installation Year of Tube Well  Installation Year of Pump  Capital Cost of Machinery  Operational Hours  Delivery Pipe  Material  Chlorinator Schedule  Apron Around Pump House  Hoisting Girder  Yes  No  Civil Structure Condition  Approach to Pump House  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  Gate Valves  Non-Returning Valve  Abandoned  Abandoned  Abandoned  Abandoned  Abandoned  About Schedule  No  No  No  Schedule  No  No  No  Schedule  No  No  Schedule  No	Location	Longitude			72.64	14384		
Working Status  Installation Year of Tube Well  Installation Year of Pump  Capital Cost of Machinery  Operational Hours  Delivery Pipe Material  Chlorination Schedule  Apron Around Pump House  Apronach to Pump House  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 Gate Valve of Valves  None Cooks I a limited to the pump and the pump of th			Main Co	olony	Road,			
Installation Year of Tube Well  Installation Year of Pump  Capital Cost of Machinery  Operational Hours  Delivery Pipe  Material  Chlorinator  Chlorination Schedule  Apron Around Pump House  Hoisting Girder  Civil Structure Condition  Approach to Pump Details  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  None  2008  No No No No No No No No No Rear Bad	Area (Marl	a)			1 N	Iarla		
Installation Year of Pump  Capital Cost of Machinery  Operational Hours  Delivery Pipe	Working St	atus			Aban	doned		
Capital Cost of Machinery  Operational Hours  Delivery Dia   Material    Chlorinator Yes No   No    Chlorination Schedule Yes No    Hoisting Girder Yes No    Civil Structure Condition Good Fair Bad    Approach to Pump House 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    No    Fair Bad    Bad    Fair Bad    Bad    Fair Bad    Fai	Installation	1 Year of	Tube Well		20	80		
Delivery   Dia   Pipe   Dia   Pipe   Material   Pipe	Installation	1 Year of	f Pump		20	80		
Dia   Pipe   Dia   Material   Material   Material   Pipe   Pipe   Pipe   Material   Pipe	<b>Capital Cos</b>	t of Ma	chinery					
Pipe Material  Chlorinator Yes No Chlorination Schedule  Apron Around Pump House Yes No Hoisting Girder Yes No Civil Structure Condition Good Fair Bad Approach to Pump House Good Fair Bad  Approach to Pump House Good Fair Bad  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 Gate Valve of Valves Non-Returning Valve	Operationa	al Hours						
Chlorinator Yes No Chlorination Schedule  Apron Around Pump House Yes No Hoisting Girder Yes No Civil Structure Condition Good Fair Bad Approach to Pump House Good Fair Bad  Approach to Pump House Bump Type 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 Non-Returning Valve Non-Returning Valve Non-Returning Valve	Delivery	Dia						
Chlorination Schedule  Apron Around Pump House  Apron Around Pump House  Yes  No  Hoisting Girder  Yes  No  Civil Structure Condition  Approach to Pump House  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  No  After 6  No  Months  Schedule  No  No  Kamalia, Punjab, Pakistan  PayPump Agadasa  Rotational Speed (RPM)  Housing Dia (inches)  Bore Depth (ft.)  Paint of Pumping Unit  Number of Valves  No  No  Kamalia, Punjab, Pakistan  PayPump Agadasa  Rotational Speed (RPM)  Housing Dia (inches)  Bore Depth (ft.)  Paint of Pumping Unit  Number of Valves  Non-Returning Valve	Pipe	Materi	al					
Chlorination Schedule  Apron Around Pump House  Yes  No  Hoisting Girder  Yes  No  Civil Structure Condition  Approach to Pump House  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  No  No  Kamalia, Purjab, Pakistan  Parylesez, Jain Csony 18, Zeathan Csony 1	Chlorinato	r		Yes			No	
Apron Around Pump House  Hoisting Girder  Yes  No  Civil Structure Condition  Approach to Pump House  Fump 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  No  Kamalia, Punjab, Pakistan  Rod  Kamalia	Chlorinatio	n Sched	lule				_	
Hoisting Girder  Civil Structure Condition  Good  Approach to Pump House  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  Non-Returning Valve	Apron Arou	und Pun	np House					
Civil Structure Condition  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  Non-Returning Valve				Yes			No	
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 Non-Returning Valve	Civil Struct	ure Con	dition	Good	Fa	ir	Bad	PJPV+MP2, Main Colony Rd, Zeeshan Colony
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 Non-Returning Valve	Approach t	o Pump	House	Good	Fa	ir	Bad	Lat 30.736693° Long 72.644384°
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 Gate Valve of Valves Non-Returning Valve			Pump	Details				02/05/23 03:59 PM GMT +05:00
Discharge Capacity (Cusec)  Rotational Speed (RPM)  Housing Dia (inches)  Bore Depth (ft.)  Head (ft.)  Impeller Installation Depth (ft.)  Paint of Pumping Unit  Number Gate Valve of Valves Non-Returning Valve	Pump Type	•						
Rotational Speed (RPM) Housing Dia (inches) Bore Depth (ft.) Head (ft.) Impeller Installation Depth (ft.) Paint of Pumping Unit Number Gate Valve of Valves Non-Returning Valve	Pump Mak	e						
Housing Dia (inches)  Bore Depth (ft.)  Head (ft.)  Impeller Installation Depth (ft.)  Paint of Pumping Unit  Number Gate Valve of Valves Non-Returning Valve	Discharge (	Capacity	(Cusec)					
Bore Depth (ft.)  Head (ft.)  Impeller Installation Depth (ft.)  Paint of Pumping Unit  Number Gate Valve of Valves Non-Returning Valve	Rotational	Speed (	RPM)					
Head (ft.) Impeller Installation Depth (ft.) Paint of Pumping Unit Number Gate Valve of Valves Non-Returning Valve	Housing Di	a (inche	s)					
Impeller Installation Depth (ft.) Paint of Pumping Unit Number Gate Valve of Valves Non-Returning Valve	Bore Depth	n (ft.)						
Paint of Pumping Unit Number Gate Valve of Valves Non-Returning Valve	Head (ft.)						-	
Number Gate Valve of Valves Non-Returning Valve	Impeller In	stallatio	n Depth (ft.)					
of Valves Non-Returning Valve	Paint of Pu	mping L	Jnit					
	Number	Gate V	alve					
Base Plate Yes No	of Valves	Non-Re	eturning Valve					
	Base Plate			Yes			No	



Date: 02-05-2023

Integrated Development and Asset Management Plan (IDAMP)										
	Muncipal Committee Kamalia									
Form: IDAMP-A1		Tube Well ndition Assessmer	Asset Code: essment Date: 02-05-202							
Ele	ctro-Mechanical	Equipment Details	S							
Transformer Capa	city (kVA)									
Sanctioned Load (	Kwh)									
<b>Motor Power (HP)</b>										
Motor Make										
MCU		Yes	No							
<b>Earthing of Motor</b>		Yes	No							
Power Wiring		Yes	No							
Service Cable		Yes	No							
Earthing of MCU		Yes	No							
Energy Meter		Yes	Yes No							
Water Meter		Yes	No							
PFI Equipment		Yes No								
Generator		Yes No								
Change Over		Yes	No							
		Overa	II Rating							
Average Score	1	2	3	4	5					
Asset Condition	Excellent	Good	Fair	Poor	Failing					
Category	Α	В	С	D	E					
		Remarks / F	Requirements							
No remarks		<u> </u>		<u> </u>						
Data Collected By:	Mr. Tayyab	Designation: Tea	m Member	Sign & Date: 30 May 2023						
Data Checked By: I	Mr. M. Fiaz	Designation: Tea	m Lead	Sign & Date: 30 May 2023						

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

		Integrated	Developm	ent And	Asset Mar	agem	ent	nent Plan (IDAMP)
			Mun	cipal Co	mmittee K	amalia		
	m: IP-A2		0.10.		eservoir Assessmen	t		Asse
Name		•		MC Off	ice			Picture
	Latit	ude		30.7253	396	CAMP \		
Location	Long	itude		72.6492	129			
Address		Iqbal	Bazaar,	Kamalia				
Year of Co	nstruct	ion		1973				
Capacity (				50,00				1
		cy (Per Year)		2				
Type of St		-, (		Mason	arv		182	
Structure		on	Good	Fair	Poor			
Tank Conditions		<del></del>	Good	Fair	Poor	19 (19)		
Number	Sluice	Valve	dood	4	1 001			
		eturning Valve		1				
	4	ctarring valve	Non					
Working S	tatus		Functiona	al 111	unctional			47000
Rising Ma	in	Dia	10 Inches					100
		Material		Mild St			\ -	Kamalia, Punjab,
Delivery N	/lain	Dia		12 Inch				PJGX+7GC, Iqbal Baza Tek Singh District, Pur
		Material		Mild St				Lat 30.725396° Long 72.649129°
Overflow	-	Dia Natarial		6 Inch		Google		02/05/23 12:31 PM GN
Scour Pipe		Material Rising Main	Yes	Mild St	No No			
		Delivery Main	Yes		No	NO		Marie Control
Sluice Val	ve F	Scour Pipe	Yes		No			
	-	Overflow Pipe	Yes		No			
Stair Case			Yes		No		A L	
Apron Arc	und OF	IR	Yes		No	1	-	40000
Tank Top			Yes		No		1	
Top Indica	tion Lig	ht	Yes		No			amalia, Punjab, P
Lightening			Yes		No		S	JGX+7GC, Iqbal Bazar k ingh District, Punjab, Pa
	Boundary Wall & Gate		Yes		No		L	at 30.725691° .ong 72.649158°
	Overflow Disposal Arrangements		Yes		No	Soogle		02/05/23 12:34 PM GMT
Approach	to OHR		Good	Fair				
A	Casina	4			rall Rating	2		4
Average		1		2		3		4
Asset Co	ndition	Excellent	G	ood	F	air	P	oor

Category	А	В	С	D	E						
	Remarks / Requirements										
Overall, the contact of the cont	Overall, the condition of OHR is fair but the structure has outlived its life and needs reconstruction.										
Data Collected By:	Mr. Tayyab	Designation: Team		Sign & Date: 30 May 2023							
Data Checked By: Mr. M. Fiaz		Designation: Team		Mayf Sign & Date: 30 M	ay 2023						

		Integrated I	Developme	ent And A	Asset Man	agement Plan (IDAMP)			
			Mun	cipal Cor	nmittee Ka	amalia			
For	m:		Over	Head Re	servoir	Asset Code:			
IDAM	P-A2		Asset Cor	dition A	ssessment	Date: 02-05-2023			
Name			Zee	shan Co	lony	Pictures			
l a sation	Latit	tude		30.73750	)8				
Location	Long	gitude	-	72.64422	29	Grid and a second secon			
Address	•		Zee	shan Co	lony				
Year of Co	nstruct	ion		1980					
Capacity (	UK Gall	ons)		20,000					
Cleaning F	requen	ıcy (Per Year)		2					
Type of St	ructure	!	Masonary						
Structure	Conditi	on	Good	Fair	Poor				
Tank Cond	litions		Good	Fair	Poor				
Number	Sluice	Valve	4			2000 GALLONS CARACITY D. H.FE			
of Valves	Non-R	eturning Valve	1						
Working S	•		Functional Non- Functional						
Dising Mai		Dia	6 Inches		5	GPS Map Camera			
Rising Mai	ın	Material	Mild Steel			Kamalia, Punjab, Pakistan PJQV+4QJ, Rd, Zeeshan Colony, Kamalia,			
Delivery N	/lain	Dia		6 Inches	5	Toba Tek Singh District, Punjab, Pakistan  Lat 30.737508°			
_		Material	1	Mild Stee	el	Long 72.644229° 02/05/23 04:06 PM GMT +05:00			
Overflow		Dia		6 Inches					
Scour Pipe		Material		Mild Stee	el	- Marian			
		Rising Main	Yes		No				
Sluice Valv	/e	Delivery Main	Yes		No	LICH CALLCUMBURGETT SAME			
		Scour Pipe	Yes		No				
0		Overflow Pipe	Yes		No				
Stair Case		Yes		No					
Apron Around OHR		Yes No			☐ GPS Map Camera				
Tank Top Railing			Yes No		Kamalia, Punjab, Pakistan				
Top Indica			Yes			PJQV+4QJ, Rd, Zeeshan Colony, Kamalia, Toba			
Lightening			Yes		No	Lat 30.737735°			
Boundary			Yes		No	Joogle 02/05/23 04:07 PM GMT +05:00			
Overflow I	Disposa	al Arrangements	Yes		No				

Approach to OHR		Good	Fair	Bad						
Overall Rating										
Average Score	1		2	3	1	4	5			
<b>Asset Condition</b>	Excellent	G	ood	Fa	ir	Poor	Failing			
Category	Α		В	C	•	D	E			
	Remarks / Requirements									
Overall, the o	condition of OHR is	s fair but	the struc	ture has οι	ıtlived its	life and needs reco	onstruction.			
Data Collected By:	Mr. Tayyab	Designo	ation: Teal	m Member		Luyob				
						Sign & Date: 30 May 2023				
Data Checked By:	Designo	Designation: Team Lead			Walter					
						Sign & Date: 30 May 2023				

		Integrated	Developme	nt And A	sset Man		
			Munc	ipal Com	mittee Ka		
For			Over Head Reservoir				
IDAM	IP-AZ		Asset Con				
Name			<u> </u>	ahlol wal			
Location		ude	<u> </u>	0.731267			
		itude	72.63894				
Address			Bahlol	wala, Ka	malia		
Year of Co	nstruct	ion		2016			
Capacity (	UK Galle	ons)		500,000			
		cy (Per Year)		3			
Type of St			RCC				
Structure			Good	Fair	Poor		
Tank Cond	ditions		Good	Fair	Poor		
Number	Sluice \	Valve		4			
	Non-Re	eturning Valve	1				
Working S	·		Functional	Non	-		
WOIKING 3				Fund	ctional		
Rising Mai	in ⊢	Dia		8 Inches			
		Material 		/lild Stee			
Delivery N	/lain ⊢	Dia		6 Inches			
		Material Dia		Aild Stee	l		
Overflow 8		Dia Matarial	1	6 Inches	1		
Scour Pipe	-	Material	Yes	/lild Stee			
	-	Rising Main Delivery Main	Yes		No No		
Sluice Val	ve -	Scour Pipe	Yes		No		
	H	Overflow Pipe	Yes		No		
Stair Case			Yes		No		
Apron Aro	und OH	IR	Yes		No		

1	The state of the s					1			
Tank Top Railing		Yes			No				
<b>Top Indication Lig</b>	ht	Yes	Yes		No				
<b>Lightening Arrest</b>	er	Yes	Yes		No				
Boundary Wall &	Gate	Yes			No				
<b>Overflow Disposa</b>	Yes			No					
Approach to OHR		Good	Fai	ir	Bad				
	Overall Rating								
Average Score	1		2		3		4	5	
Asset Condition	Excellent	G	iood		Fa	ir	Poor	Failing	
Category	А		В		С		D	E	
		Re	emark	s/R	equireme	nts			
Overall, the o	condition of OHR	is excelle	nt.						
Data Collected By:	Mr. Tayyab	Designation: Team Member				Sign & Date: 30 May 2023			
Data Checked By:	Designation: Team Lead				Sign & Date: 30 May 2023				

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

Integrated Development And Asset Management Plan (IDAMP)									
		Muncipal Com	mittee Kama	ılia					
Form:	w	ater Supply Netwo	rk Asset Code:						
IDAMP-A5	Asse	t Condition Assessi	ment		Date: 02-05-2023				
	Description		Area	(Acres)	Percentage				
	Served Area		(1)	3746	54.7				
	Contaminated Area								
V	Vater Shortage Are	a							
	Unserved Area		3	3100	45.2				
	quality analysis ca ommunity network			Yes	No				
If yes, v	which lab and parar	neters?		Not-Ava	ailable				
Finding	s of water quality a	nalysis?		Not-Ava	ailable				
In case of any parameter above the permissible limit of PEQSs, which steps are taken to provide safe drinking water to the consumers?				Not-Ava	ailable				
Any complaints			Yes	No					
If yes, which steps were taken to resolve the complaints?				•	eceived regarding water ey were all resolved.				
Pipe Dia (inches)	Pipe Material	Length	(km)	Year of Layin	Age of Pipe				
3"	UPVC	51.0	27	2007	16				
4"	UPVC	6.62	.8	2007	16				
6"	UPVC	13.93	35	2007	16				
8"	UPVC	5.28	3	2007	16				
10"	UPVC	1.02	.3	2007	16				
12"	UPVC	0.36	54	2007	16				
14"	UPVC	0.28	3	2007	16				
16"	UPVC	0.36	55	2007	16				
				1	1				
3"	UPVC	32.8		2014-2015	8-9				
4"	UPVC	5.34	7	2014-2015	8-9				
6"	UPVC	11.4	65	2014-2015	8-9				
8"	UPVC	4.70	13	2014-2015	8-9				
10"	UPVC	0.79		2014-2015	8-9				
12"	UPVC	0.33		2014-2015	8-9				
14"	UPVC	0.03		2014-2015	8-9				
16"	UPVC	0.02		2014-2015	8-9				
		Remarks / Re	equirements						
No remarks  Data Collected By	Designation: Tean	n Member	Sign & Do	Jayyob ate: 30 May 2023					

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

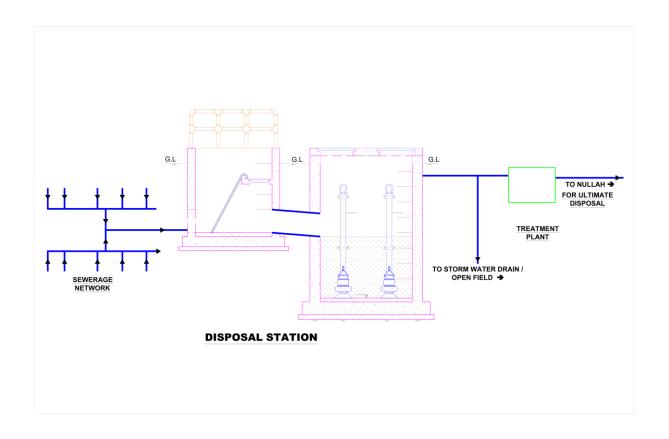
D.	Vehicles/ Machinery										
Sr #	Name	Registration Number	Age (Years)	Capacity	Condition	Status	Book Value (PKR Mil)				
1	Water Bowser #01	Vehicle #07	21	75 HP, 500 Gallons	Fair	Functional	0.27				

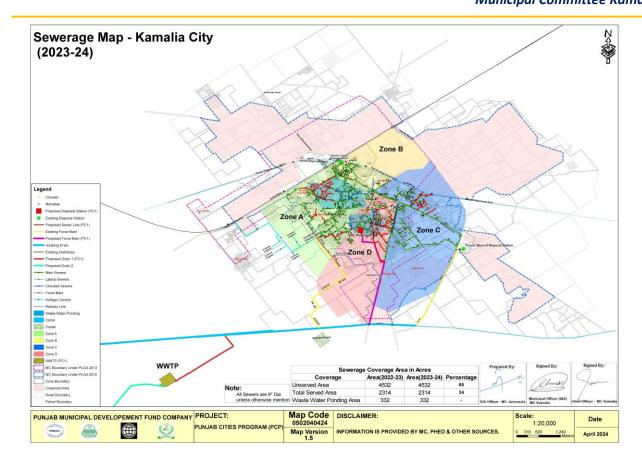
Integrated Development and Asset Management Plan (IDAMP)										
Muncipal Committee Kamalia										
Form:		Moveable Asset	Asset Code:							
IDAMP-A16	Asset Condition Assessment Date: 02-05-2									
Type of Vehicle / Machinery		Pictures								
Water Bowser		Kamalia, Punjab, Pakista PJGX-4FW, Kamalia, Toba Tek S Punjab, Pakistan Lat. 30.725463° 10.772.64837° 02/05/23 08:14 PM GMT +05:00	ingh District,  7≟₹							
Capacity		500 Gallons								
Purpose		Water Supply	У							
Year of		2002								
Manufacturing		2002								
Model		MF 260 Turbo	)							
Capital Cost										
Fuel Consumption		207								
(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. 7	Гаууаb	Designation: Team Member	Luyab							

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

# 2. Sewerage

Key Components of a Sewerage System





A.	Sewerage Network					
Sr #	Dia	Length (meter)	Age (Years)	Condition	Material	Book Value (PKR Mil)
1	9"	27,755	40	Failing		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	RCC	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 De	evelopment and As	sset Management	Plan (IDAMP)						
Muncipal Committee Kamalia										
Form: IDAMP-A6	A	Sewerage Net			Code: Date: 02-05-2023					
Desci	ription	Area (	Acres)	Perce	ntage					
Serve	d Area	2,3	314	3	4					
Flood	ed Area	-	-	-	-					
Unserv	ed Area	4,5	532	6	6					
received to	er of complaints MC regarding e system?	45 complaints were received regarding sewerage problems.								
•	ered by MC to complaints		All of them w	vere 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	Layer
		Sign & Date: 30 May 2023
Data Checked By: Mr. M. Fiaz	Designation: Team Lead	Markey
		Sign & Date: 30 May 2023

B. Disposal Station											
C* #	Sr# Name	Age (Ye	ears)	Nos. of	Discharge	Motor	Pump	Motor	Condition	Status	Book Value
31 #		Civil Structure	Pump	pump	Each (Cusec)	hp	Make	Make	Condition	Status	(PKR Mil)
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 Dev	velopment and Asse	et Managemer	nt Plan (IDAMP)
	integracea De	Muncipal Commi		The state (1571)
Form: IDAMP-A7	Sewera Asset Co		Asset Code:	
<u>.</u>	Asset De	etail		Pictures
Name		IslamPi	ura	
Location	Latitude	30.7198	879	
Location	Longitude	72.6369	963	
Address		Main Bazaar Ro	ad, Kamalia	
Area (Acres)		1.5		G GPS Mean Camera
Installation Year		1985	5	Kamalia, Punjab, Pakistan PJ90+P2F, معرد بالأو دود Kamalia, Toba Tek
Capital Cost of M	lachinery			Singh District, Punjab, Pakistan  Lat 30.719586°
Outfall Drain	Dia	48 Inch	nes	Doogle Long 72.637113° 02/05/23 02:03 PM GMT +05:00
Sewer	Material	RCC		
	No. of Screens	4		
Screening	<b>Screen Condition</b>	Good Fair Poor		
Chamber	Chamber	Manan		THE PERSON NAMED IN COLUMN
	Structure	Masonary		Constitution Constitution
	Number	3		Kamalia, Punjab, Pakistan
	Shape	Rectangular	Circular	P.J9O+P2F, مصن بازاد رود, Kamalia, Toba Tek Singh District, Dunjab, Pakistan Lat 20.71990.05
Wet Wells	Size	30' depth,	14' dia	Doogle 02/05/23 02:03 PM GMT +05:00
	Structure	Masonry	RCC	
	Railing	Yes	No	
	No. of Force	1		
	main	1		
	Dia	28 inch	nes	
Force main	Material	AC		© PS Meo Camera S Kamalia, Punjab, Pakistan
	<b>Starting Point</b>	Dry W	ell	PJ9Q+P2F, مین بازار ډوډ , Kamalia, Toba Tek Singh District, Punjab, Pakistan
	<b>Ending Point</b>	Open Fi	ield	Lat 307/9792* Long 72.837069* 02/05/29 02:04 PM GMT +05:00
	Length			V2(00)23 02:00 PM (08) Y03:00
	Size			
Cullana Camilan	Shape	Na Cullere	Country	
Sullage Carrier	Length	No Sullage	Carrier	
	Condition			

	Integrated Dev	elopment ar	nd Asset N	/lanage	ment Plan (IDAN	ΛP)
	Dia		12 inches			
Delivery Pipe	Material		CI			
	Dia		12 inches		•	SIEMENS'
Suction Pipe	Material		CI			SALASSA SALASS
	Sluice Valves		10		DESCRIPTION OF THE PERSON OF T	Segot. S. T. L. Berns III. Strate III. Str
Number of	Non-Return		10			Camalia, Punjab, Pakistan
Valves	Valves		5		P	رمین بازار رودٔ Kamalia, Toba Tek iingh District, Punjab, Pakistan
	Penstock Valves		6		0.6	at 30.719911° ong 72.637088° 12/05/23 02:05 PM GMT +05:00
Ultimate Disposal	- Chotook Tarves		pen Field		SULFACE	
Civil Structure Con	dition	Good	Fair	Poc	or Paris	
Control Room Stru		Good	Fair	Poc	100	
Discharge Box Stru		Good	Fair	Poc		A SHEET
Approach to Pump		Good	Fair	Poc		
Hoisting Girder	Tiouse	Yes	Tan	No		GPS Map Camera
Boundary Wall & (	Cata	Yes		No		Kamalia, Punjab, Pakistan U9Q+P2F, مين بازار يو\$, Kamalia, Toba Tek iingh District, Punjab, Pakistan
						at 30.71981* ong 72.637104°
Treatment of Sew		Yes		No		12/05/23 02:04 PM GMT +05:00
Wastewater daily	discharge in					
m³/day?	- if		10,227			
(based on availabl	e information at					
MC)	astus Mashauisal F	in ma and Da	4a:la			
	ectro-Mechanical E	quipment De				GPS Map Camera
Number of WAPD			2			Kamalia, Punjab, Pakistan UCQ+666, Main Bazar Rd, Mohalla Islam Pura
Transformer Capa	city (KVA)		200			tamalla, Toba Tak Singh District, Punjab, Pakistan at 30.720112* ong 72.637076°
Number of MCU	1344		5			ong 72.837078° 12/05/23 02:09 PM GMT +05:00
Sanctioned Load (		135 & 142				
Power Factor Imp	rovement	Yes No				
Equipment		Voc. No.				
Service Cable		Yes No				
Power Wiring		Yes No				
Earthing of Motor		Yes		No		
Earthing of MCU	:!:4.,	Yes		No		
Generator Availab	•	Yes		No		
Light Wiring of Pu	mp House	Yes		No		
Change Over		Yes	Data	No		
			ımp Deta		T	Duman D
Dumin Time			IMP A	aain -	Cambrid.	Pump B ugal/ Non-Clogging
Pump Type		Centrifugal		RRILIR	Centrift	
Pump Brand			KSB			KSB
Pump Paint			Fair			Fair
Motor Brand	f Duman		emens			Siemens
Installation Year o	•	4	2017			2017
Discharge Capacity			5			5
Rotational Speed	(KPIVI)		980			980
Head (ft.)			66			66
Motor Power (HP)			75			75
	Pump Daily Running Time (Hours)		4			4 No.
Base Plate		Yes		0 I	Yes	No Burner 5
		Pump			Pump D	Pump E
Pump Type		Centrifuga	-	Cen	trifugal/ Non-	Centrifugal/ Non-
		Clogg			Clogging	Clogging
Pump Brand		KSE			KSB	KSB
Pump Paint		Fair	-	Fair		Fair

Integrated Development and Asset Management Plan (IDAMP)									
<b>Motor Brand</b>		Sien	nens		Sieme	ens		Siemens	
Installation Year	of Pump	20	2017		2017		2017		
Discharge Capaci	Į.	5		5			5		
<b>Rotational Speed</b>	(RPM)	98	30		980	)		980	
Head (ft.)	6	6		66			66		
Motor Power (HP	<del>)</del> )	7	'5		75			75	
<b>Pump Daily Runn</b>	ing Time (Hours)	4	4		4			4	
Base Plate		Yes	No		Yes	No	Yes	No	
Name la sur est	Sluice Valve					10			
Number of Valves	Non-Returning Valve					5			
	vaive		verall Ra	atin	σ				
Average Score	1	2			3	4		5	
Asset Condition	Excellent	Good			Fair	Poor		Failing	
Category	Α	В	В С		С	D		E	
		Remar	ks / Req	uire	ments				
No remarks									
Data Collected By	Designation	Designation: Team Member		Sign & Date: 30 May 2023					
Data Checked By:	Designation: Team Lead			Sign & Date: 30 May 2023					

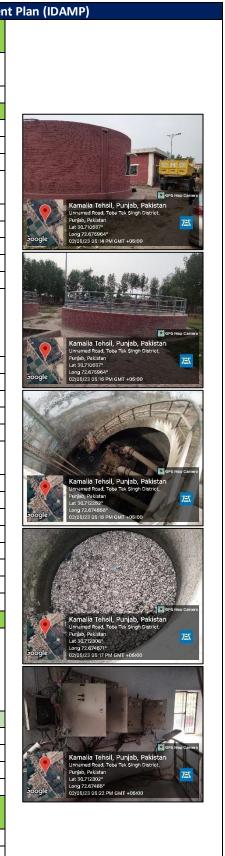
	Integrated Deve	lopment and	l Asset Man	agement Pl	an (IDAMP)
		Muncipal Co	ommittee Ka	ımalia	
Form: IDAMP-A7		age Disposal ondition Ass			Asset Code: Date: 02-05-2023
	Asset De	etail			Pictures
Name		Ze	eshan Color	ny	
Location	Latitude		30.737959		
Location	Longitude	72.641781			
Address		Main Colony Road, Zeeshan Colony, Kamalia			
Area (Acres)			0.6		
Installation Year			1990		
Capital Cost of N	lachinery				
<b>Outfall Drain</b>	Dia		42 inches		
Sewer	Material	RCC			
	No. of Screens		1		
Screening	<b>Screen Condition</b>	Good	Fair	Poor	]
Chamber	Chamber Structure	Masonry			
Wet Wells	Number		2		1

	Integrated Development and Asset Management Plan (IDAMP)								
	Shape				Circular				
	Size	30′	dept	h,20° d	dia	1			
	Structure	Mason	ry		RCC				
	Railing	Yes			No				
	No. of Force main		1	1					
	Dia		28	3"			malia, Punjab, Pakistan R+XVV, Main Colony Rd, Zeeshan Colony,		
Fauca masima	Material		Α	С		Kam Lat 3	alla, Toba Tek Singh District, Punjab, Pakistan AS 20.737959*		
Force mains	Starting Point					Soogle 02/0	3 72.641781° 15/23 04:26 PM GMT +05:00		
	<b>Ending Point</b>					7			
	Length								
	Size		2.5"x	3.0"			ATTION		
Calle and Country	Shape		Recta	ngular		4			
Sullage Carrier	Length								
	Condition		Fa	ir			malia, Punjab, Pakistan		
Delinem D'	Dia		12 in	ches		Kam	R+XVV, Main Colony Rd, Zeeshan Colony, alla, Toba Tek Singh District, Punjab, Pakistan 30.738095*		
Delivery Pipe	Material		C	1		Long	72.641755° 15/23 04:27 PM GMT +05:00		
Counties B'	Dia		12 in	ches		A STATE OF THE PARTY OF THE PAR			
Suction Pipe	Material		C	:1					
	Sluice Valves		5	;		* **			
Number of Velice	Non-Return		_	)					
Number of Valves	Valves		3	5					
	Penstock Valves	2				Kar	malia, Punjab, Pakistan		
Ultimate Disposal		Open Field				PJPF Kam	R+XVV, Main Colony Rd, Zeeshan Colony, alla, Toba Tek Singh District, Punjab, Pakistan 20.738138°		
Civil Structure Cond	dition	Good	Fa	ir	Poor	Lanc	91.738138* 1.72.641794* 15/23.04:27 PM GMT +05:00		
Control Room Struc	cture	Good	Fa	ir	Poor				
Discharge Box Struc	cture	Good	Fa	ir	Poor		1 41 1		
Approach to Pump	House	Good	Fa	air Poor			SISMEN		
<b>Hoisting Girder</b>		Yes		No		000	September 20		
<b>Boundary Wall &amp; G</b>	ate	Yes		No		May !	58 in head 1970 m		
Treatment of Sewa	ge	Yes			No	Kar	nalia, Punjab, Pakistan		
Wastewater daily d	lischarge in					PJPF Kam	R+XVV, Main Colony Rd, Zeeshan Colony, alla, Toba Tek Singh District, Punjab, Pakistan		
m³/day?						Long	30.738167° 172.641734° 15/23 04:28 PM GMT +05:00		
(based on available	information at		6,8	01		* A. (A. C.) WHA			
MC)						THE PARTY	THE REAL PROPERTY OF THE PARTY		
Ultimate disposal o									
	lectro-Mechanical Ed	quipment De					200		
Number of WAPDA			2			2 1/19			
Transformer Capac	ity (kVA)		10			Kar	GPS Mag Camera malia, Punjab, Pakistan		
Number of MCU	14d \		3			PJPF Kam	R+XVV, Main Colony Rd, Zeeshan Colony, alla, Toba Tek Singh District, Punjab, Pakistan		
Sanctioned Load (kWh)			9	U		Long	30.738172° 172.841737° 16/23 04:31 PM GMT +05:00		
•	Power Factor Improvement				No	GOLD STRUCK			
Equipment Cable		V			Ne				
Service Cable		Yes			No				
Power Wiring		Yes			No	- No. 1	The Marie Vi		
Earthing of MCU		Yes			No	N. Marine			
Earthing of MCU		Yes Yes			No	Ka	malia, Punjab, Pakistan		
	Generator Availability				No	PJPF Kam	R+XVV, Main Colony Rd, Zeeshan Colony, alla, Toba Tek Singh District, Punjab, Pakistan		
Light Wiring of Pun	np House	Yes			No	Long	30.737979° 172.641828° 15/23.04:26 PM GMT +05:00		
Change Over		Yes			No	Value Value			
		ı	np De	tail		D	B 2		
	Pump A Pump B Pump C								

	Integrated	Integrated Development and Asset Management Plan (IDAMP)								
Pump Type			Centrifu	ıgal/ Non-	С	entrifuga	l/ Non-	Suhm	ersible	
Pullip Type			Clo	gging		Cloggi	ing	Subinersible		
Pump Brand			P	eco		Peco		Not Available		
Pump Paint			P	oor		Poo	r		or	
Motor Brand				eco		Sieme			/ailable	
Installation Year of Pump				990		199	0		90	
Discharge Capaci				4		4		1	.5	
Rotational Speed	l (RPM)			960		960	)		60	
Head (ft.)				40		40		4	0	
Motor Power (HF	•			50		50			!5	
Pump Daily Runn	ing Time (Hours)	)		7		7			7	
Base Plate			Yes	No	1	Yes	No	Yes	No	
Number of	Sluice Valve					5				
Valves Non-Returning		g	3							
	Valve									
				erall Rating			1			
Average Score	1		2	3		4		5		
Asset Condition	Excellent	G	Good	Fair		Poor		Failing		
Category	Α		В	С		D		E		
			Remarks	s / Requirem	ents					
No remarks										
Data Collected By: Mr. Tayyab			Designation: Team Member		Sian & L	July Date: 30 M	av 2023			
Data Checked By: Mr. M. Fiaz			Designation: Team Lead		d	Sign & Date: 30 May 2023  Sign & Date: 30 May 2023				

	Integrated Development and Asset Management Plan (IDAMP)									
	Muncipal Committee Kamalia									
Form: IDAMP-A7		erage Disposal Station : Condition Assessment	Asset Code: Date: 02-05-2023							
	Asset D	etail	Pictures							
Name		Nawaz Sharif Park Disposal								
Location	Latitude	30.710687								
Location	Longitude	72.675964								
Address		Near Nawaz Sharif Park, Kamalia								
Area (Acres)		1								
<b>Installation Year</b>		2015								
Capital Cost of Ma	achinery									
Outfall Drain Dia		36 inches								
Sewer	Material	RCC								
	No. of Screens	2								

	Integrated De	velopment	and As	set	Managemer	
	Screen					
Screening	Condition	Good	Fai	r	Poor	
Chamber	Chamber					
	Structure		Masor	nary		
	Number		2			
	Shape	Rectang	ular		Circular	
Wet Wells	Size		25' c	dia		
	Structure	Mason	ıry		RCC	
	Railing	Yes			No	
	No. of Force					
	main		1			
	Dia		24 inc	hes		
Force mains	Material		AC			
	Starting Point		Dispo	sal		
	Ending Point	Irri	gation		nnel	
	Length		lot-Ava			
	Size					
	Shape					
Sullage Carrier	Length	No	Sludge	Car	rier	
	Condition					
	Dia		12 inc	hes		
Delivery Pipe	Material		CI			
	Dia		12 inc			
Suction Pipe	Material		CI			
	Sluice Valves		8			
Number of	Non-Return		- 0			
Valves	Valves		4			
Valves	Penstock Valves		2			
Ultimate Disposal	l .	Irri	gation (	Char	nnel	
Civil Structure Con		Good	Fai		Poor	
Control Room Str		Good	Fai		Poor	
Discharge Box Str		Good	Fai		Poor	
Approach to Pum		Good	Fai		Poor	
Hoisting Girder	priouse	Yes	Tur		No	
Boundary Wall &	Gate	Yes		No		
Treatment of Sew		Yes			No	
Wastewater daily m³/day?	Wastewater daily discharge in m³/day? (based on available information at					
	ectro-Mechanical E	quipment [	<b>Details</b>			
Number of WAPD			1			
Transformer Capa		200	0			
Number of MCU		4				
Sanctioned Load (		13	5			
Power Factor Imp	Yes			No		
Equipment						
Service Cable		Yes	Yes		No	
Power Wiring		Yes			No	
Earthing of Motor	•	Yes			No	
Earthing of MCU		Yes			No	



	Integrated De	evelopment	and As	set Man	agement F	Plan (IDA	MP)		
Generator Availa	-	Yes		No	)	All Laboratoria			-1
Light Wiring of Pu	Yes		No No		Kamalis Tevroli, Punjas, Pakisiari Najawa Pakisani Najawa Paki				
			Pump l	Detail					
		Pump	Α		тр В		np C		np D
Pump Type		Centrifu	gal/	Centi	rifugal/	Centr	ifugal/	Centri	fugal/
		Non-Clog	ging		Clogging		logging		ogging
Pump Brand		KSB		K	(SB	K	SB		SB
Pump Paint		Poor		P	oor	Po	or	Po	or
Motor Brand		Siemer	าร		mens	Sier	nens	Siemens	
Installation Year		2015		2015		2015		2015	
Discharge Capacit	• • • • • • • • • • • • • • • • • • • •	5			5	5		3	
Rotational Speed	(RPM)	900			000		00	900	
Head (ft.)		66			66		66	6	
Motor Power (HP	·	60		-	60		50	4	
Pump Daily Runn	ing Time (Hours)	4		4		4		4	
Base Plate	Γ	Yes	No	Yes	No	Yes No		Yes	No
Number of	Sluice Valve	8							
Valves	Non-Returning Valve				4	1			
			verall	Rating				ı	
Average Score	1	2			3		4		5
Asset Condition		Good	<u>t</u>		Fair		oor		ling
Category	A	В			С		D	l	
No remarks		Kemar	KS / KE	equireme	ents				
Data Collected By	Designation Member	n: Tean	Sign & Date: 30 May 2023						
Data Checked By:	Designation	n: Tean	Maypy						
	I .			Jigii & DC	ice. 30 IVI	uy 2023			

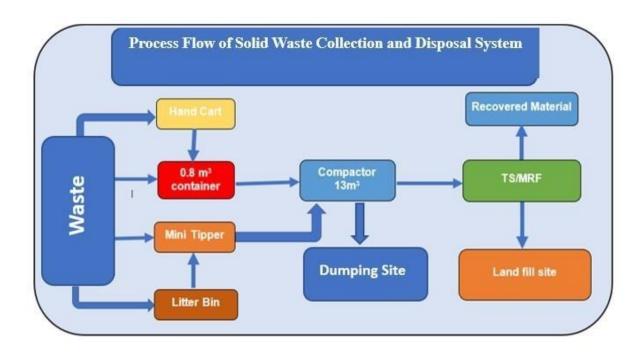
C.	Vehicles/ Ma	chinery					
Sr #	Name	Registration Number	Age (Years)	Capacity	Condition	Status	Book Value (PKR Mil)
1	Suction Machine	TSG-1399	15	4500 cc	Fair	Functional	0.783
2	Jetting Machine	Vehicle #01	12	4500 cc	Fair	Functional	0.9
3	Dewatering Sets (5 Nos.)	N/A	20	N/A	Good	Functional	2
4	Shoulder 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

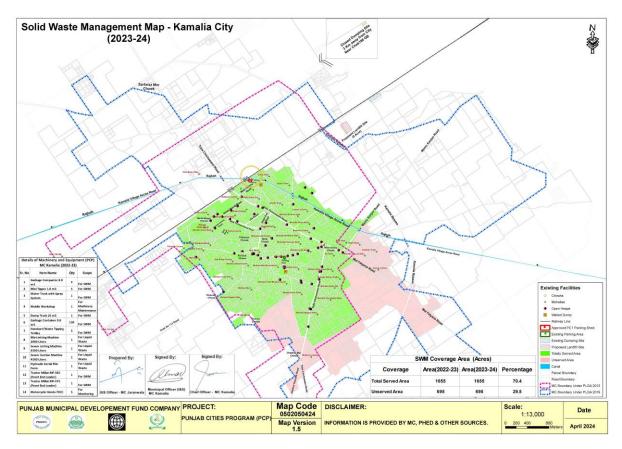
	ntegrated Development and Asset Manage	ement Plan (IDAMP)
	Muncipal Committee Kama	alia
Form:	Moveable Asset	Asset Code:
IDAMP-A16	Asset Condition Assessment	Date: 02-05-2023
Type of Vehicle / Machinery	Pict	ures
Suction And Jetting Machine	Kamalia, Punja PJGX+4FW, Kamalia Punjab, Pakistan Lat 30,725498° Long 72.648837° 02/05/23 06:14 PM	a, Toba Tek Singh District,  ZAT  GMT +05:00
	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

		Integra	ated De	velopmen	t And A	sset Mana	gement	Plan (IDAMP)	
				Munci	oal Com	mittee Kar	malia		
Form:			Solid Waste Dumping Site				Asset Code:		
IDAMP-A	11			Asset Cond	lition As	ssessment			Date: 02-05-2023
Name				Dumpi	ng Site			Pictures	
Location	Location Latitude			30.75	2035				
Location	Longitu	ıde		72.66	54062				
Address				54/1 Tukr	/1 Tukra, Kamalia				
Area (Acres)					4				
Distance from				6 I	(M				
Year the site		l for		20	00				
dumping serv							-		
Average was	te dum	ped							
daily				60 7	ons				
(based on inf		on					3		
provided by I EHS SOPs for									<b>**</b>
handlers	waste			Yes		No			GPS Map Camera
Availability of PPEs for		for					•	Kamalia Tehsil, Punja Unnamed Road, Toba Tek S	
_	waste collectors/handlers			Yes		No		Punjab, Pakistan Lat 30.752035°	<b>7</b> AT
Expected Life				1	0		Soogle	Long 72.664062° 02/05/23 04:54 PM GMT +0	05:00
Land Owners		,		Revenue D		ent			
Site Accessib					icult				
Surface Type				Flat	Depressed				
Approach Ro		dition	Goo	d Fa	air	Poor			
Parking Shed				Yes		No		_	
Boundary Wa	all			Yes		No		R. C.	138
Gate				Yes		No		Kamalia Tehsil, Punja	GPS Map Camera
Ramps				Yes		No		Unnamed Road, Toba Tek S Punjab, Pakistan	ingh District,
<b>Any Building</b>	at Site			Yes		No		Lat 30.75208° Long 72.66414°	<u> </u>
Weigh Bridge	2			Yes		No	Google	02/05/23 04:54 PM GMT +0	05:00
Earth Cover A	Arrange	ements		Yes		No			
Compaction I	Equipm	ent		Yes		No			
Plantation Around Site				Yes		No			
Any illegal occupants or									
encroachments observed-			Yes		No				
if yes, type				0	l D-+:				
A					Overal	Rating			
Average Sco Asset	re	1		2		3		4	5
Condition		Excelle	nt	Goo	d	Fai		Poor	Failing
Category		Α		В		С		D	E

	Integrated De	evelopment And Asset Management	Plan (IDAMP)						
	Muncipal Committee Kamalia								
Form:		Solid Waste Dumping Site	Asset Code:						
IDAMP-A11		Asset Condition Assessment	Date: 02-05-2023						
		Remarks / Requirements							
<ul> <li>Construct a</li> </ul>	parking shed a	t the dumping site for organized vehic	cle parking.						
• Install a bou	indary wall to s	ecure the dumping site.							
<ul> <li>Install a gate</li> </ul>	e for controlled	l access to the dumping site.							
<ul> <li>Establish a s</li> </ul>	uitable buildin	g for administrative and storage purp	oses.						
<ul> <li>Install a wei</li> </ul>	gh bridge to m	onitor waste quantities accurately.							
<ul> <li>Implement</li> </ul>	effective earth	cover arrangements to minimize odo	rs and litter.						
<ul> <li>Provide com</li> </ul>	paction equip	ment for efficient waste management	t.						
Data Collected By: M	r. Tayyab	Designation: Team Member	Luyob						
			Sign & Date: 30 May 2023						
Data Checked By: Mr	. M. Fiaz	Designation: Team Lead	Mayby						
			Sign & Date: 30 May 2023						

В.	Vehicles/ Ma	chinery						
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 Dev	elopment and	Asset Manage	ment Plan (ID	AMP)	
			Muncipal Co	mmittee Kama	lia		
Form:		Moveable				Asset Code	
IDAMP-A16	A	sset Condition	Assessment			Date	e: 02-05-2023
Type of Vehicle / Machinery				Pictu	ıres		
Tractor			Coogle	Kamalia, Punjal PJGX+69W, Igbal Ba Singh District, Punja Lat 30.725473° Long 72.648538° 02/05/23 06:13 PM	b, Pakistan zar Kamalia, Toba Tek b, Pakistan	SPS Map Camera	
	Tractor	Tractor	Tractor	Tractor	Tractor	Tractor	Tractor
	no.1	no.2	no.3	no4.	no.5	no.6	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
		Rei	marks / Requir	ements			
No remarks							
Data Collected By: Mr.	Tayyab	Designation: To	eam Member		Sign &	Juyal Date: 30 May	2023
Data Checked By: Mr.	M. Fiaz	Designation: Team Lead  Sign & Date: 30 May 2023					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 De	velopment an	d Asset Mana	gement	Plan (IDAMP)		
				ommittee Ka				
Form:			Build			Asset	Code:	
IDAMP-A	14	A	sset Condition				Date: 02-05-2023	
Name			MC C			Pictures	5	
	Latit	ude	30.72	2546				
Location	Long	itude	72.64	8546				
Address			Iqbal Bazaa	ar, Kamalia				
Year of Cons	truct	ion	19	95				
Land Area (A	cres)		3.3	23				
No. of Storie	s		1	_	400			
Condition			Fa	iir				
Purpose			Muncipal	Services	1			
No. of Staff			27	71		+0000	The same	
No. of Room	s		2	5		and i fire		
Conference/	Meet	ing Room	Yes	No		The state of the s	A Said Said	
Store Room			Yes	No			GPS Map Camera	
Study Room	/Bool	k Shelf	Yes	No		Kamalia, Punjab, Pa PJGX+69W, Igbal Bazar K		
Boundary W			Yes	No		Singh District, Punjab, Pa		
	oling	g Arrangement	Yes	No	Google	Long 72.648546°	7.7.7	
Parking Lots			Yes	No		02/05/23 12:15 PM GMT -	F05:00	
Drinking Wat			Yes	No		VIII III III III III III III III III II		
_	•	uality of water			1			
-	ailab	le water quality	Yes	No			後後 1	
test reports)							2 2 2	
		verage System	Yes	No	1	Palacagadas Marianas		
-		om for Ladies	Yes	No				
Prayers Area	/roo	m	Yes	No			GPS Map Camera	
Furniture		/= \	Yes	No		Kamalia, Punjab, Pa	akistan	
Electric Appl			Yes	No		PJGX+592, Iqbal Bazar Ka Singh District, Punjab, Pa	riotan	
Machinery &	Equ	ipment	Yes	No		Lat 30.725219° Long 72.648292°	A A	
Sports Club		C	Yes	No	Google	02/05/23 11:59 AM GMT	+05:00	
Staff Attenda		•	Yes	No				
Emergency A		•	Yes	No				
		em / Equipment	Yes	No	-			
_	neer	chairs at entry	Yes	No				
gate Security Gua	rd		Yes	No	1			
Park/lawn or		or/indoor	res	INU	1			
plantation	utuu(	) / IIIUUUI	Yes	No				
piantation			Ove	erall Rating				
Average Sco	re	1	2		3 4 5			
Average 300								
Condition		Excellent	Good	Fa	ir	Poor	Failing	

Integrated Development and Asset Management Plan (IDAMP)														
Muncipal Committee Kamalia														
Form:														
IDAMP-A14														
Category	Α	В	С		D	E								
Remarks / Requirements														
	nomano, noquiremento													
Data Collected By	r: Mr. Tayyab	Designation: Tea	m Member	Suyob										
				Sign	& Date: 30 N	Лау 2023								
Data Checked By:	Mr. M. Fiaz	Designation: Tea	m Lead		May	by								
				Sign	& Date: 30 N	Лау 2023								

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

# 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	ո։ IP-A17						Asse		Asset Code: Date: 02-05-2023					
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownershi p Status	Encroachm ent Status	Litigation Exist	Current Status	Conditio n	Tenant Name	Business
1	01001	Iqbal Bazar, Kamalia	30.7257258 7	72.648368 22	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Ghafoor	Karyana Store
2	01002	Iqbal Bazar, Kamalia	30.7256613 5	72.648387 6	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Dildar Ahmad & Gulzar Ahmad	Waan Shop
3	01003   Iqbal Bazar, Kamalia   30.7257090   72.648459   150   1   Commercial   Owned/ Managed   No No											Good	Muhamm ad Riaz	Mobile shop

Form IDAN	n: 1P-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	Ownershi p Status	Encroachm ent Status	Litigation Exist	Current Status	Conditio n	Tenant Name	Business		
4	01004	Iqbal Bazar, Kamalia	30.7254865	72.648535 19	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ghulam Qadir	Cloth Shop		
5	01005	Iqbal Bazar, Kamalia	30.7257450 4	72.648668 75	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Sajid	Electronics Shop		
6	01006	Iqbal Bazar, Kamalia	30.7257567 2	72.648677 85	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Abid	Electronics Shop		
7	01007	Iqbal Bazar, Kamalia	30.7258100 9	72.649302 1	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Ghani	Electric Store		
8	01008	Iqbal Bazar, Kamalia	30.7257853 4	72.649270 39	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Shareef	Photo Studio		
9	01009	Iqbal Bazar, Kamalia	30.7257175 4	72.649324 38	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shah Nawaz	cloth store		
10	01010	Iqbal Bazar, Kamalia	30.7257469	72.649366 59	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Akram	Tailor Shop		
11	01011	Iqbal Bazar, Kamalia	30.7258521 4	72.649418 69	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Usman	Crockery		
12	01012	Iqbal Bazar, Kamalia	30.7257589 8	72.649457 45	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Javed Iqbal	Cloth Shop		
13	01013	Iqbal Bazar, Kamalia	30.7257054 1	72.649454 19	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Saleem	Cloth Shop		

Form IDAM	n: IP-A17						Asse		Asset Code: Date: 02-05-2023					
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownershi p Status	Encroachm ent Status	Litigation Exist	Current Status	Conditio n	Tenant Name	Business
14	01014	Iqbal Bazar, Kamalia	30.7257311 4	72.648762 96	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Mian Muhamm ad Tufial	Book Depot
15	01015	Iqbal Bazar, Kamalia	30.7257094 3	72.648778	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Hafiz	Photo Studio
16	01016	Iqbal Bazar, Kamalia	30.7257188 9	72.648815 1	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Hafiz	Cloth Shop
17	01017	Iqbal Bazar, Kamalia	30.7257227 1	72.648816 87	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Liaqat Ali	Cloth Shop
18	01018	Iqbal Bazar, Kamalia	30.7256025 7	72.648636 28	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Shaban	Cloth Shop
19	01019	Iqbal Bazar, Kamalia	30.7257027 8	72.648867 96	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	ljaz Hussain	Shoes Shop
20	01020	Iqbal Bazar, Kamalia	30.7257501 5	72.648929 07	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Hakimana Ullah	Cloth Shop
21	01021	Iqbal Bazar, Kamalia	30.7257340 2	72.648925 08	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Farooq Habib	Book Depot
22	01022	Iqbal Bazar, Kamalia	30.7257263 5	72.649153 89	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Pervez Iqbal	Cloth Shop
23		Iqbal Bazar, Kamalia	30.7257556 4	72.649112 46	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Pervez Iqbal	Cloth Shop

Form	n: IP-A17						Asse		Asset Code: Date: 02-05-2023					
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	l location							Tenant Name	Business
24	01023	Iqbal Bazar, Kamalia	30.7257639 9	72.649025 19	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Rana Ikram Sajid	Cloth Shop
25	01024	Iqbal Bazar, Kamalia	30.7257512	72.649063 94	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Liaqat Ali	mobile shop
26	01025	Iqbal Bazar, Kamalia	30.7256646 7	72.649134 8	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Amir Shahzad	Cloth Shop
27	01026	Iqbal Bazar, Kamalia	30.7257124 8	72.649230 08	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Gulzar Ahmad	Mobile Shop
28	01027	Iqbal Bazar, Kamalia	30.7257355 7	72.649271 32	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Naeem Muhamm ad Akhtar	cloth shop
29	01028	Iqbal Bazar, Kamalia	30.7257307	72.649269 07	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Faqir Ullah	Cloth Shop
30	01029	Iqbal Bazar, Kamalia	30.7257629 6	72.649361 93	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shah Nawaz	Cloth Shop
31	01030	Iqbal Bazar, Kamalia	30.7257199 3	72.649374 93	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ghulam Muhamm ad Etc.	Shoes Shop
32	01031	Iqbal Bazar, Kamalia	30.7257313 5	72.649330 4	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ali Muhamm ad	Tea Stall

Form	n: IP-A17				Shop Asset Condition Assessment								Asset Code: Date: 0	02-05-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownershi p Status	Encroachm ent Status	Litigation Exist	Current Status	Conditio n	Tenant Name	Business
33	01032	Iqbal Bazar, Kamalia	30.7257302 1	72.649345 01	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abid Hassan	Books Store
34	01033	Iqbal Bazar, Kamalia	30.7257269 9	72.649359 49	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Ramzan	Medical Store
35	01034	Iqbal Bazar, Kamalia	30.7257359	72.649372 61	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Bashir Ahmad	Cycle Repair
36	01035	Iqbal Bazar, Kamalia	30.7257162 9	72.649432 73	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Munir Ahmad	Hakeem Shop
37	01036	Iqbal Bazar, Kamalia	30.7257931 3	72.649461 37	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haji Rafia Bibi	Garments Shop
38	01037	Iqbal Bazar, Kamalia	30.7258309 5	72.649569 23	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haji Rehmat Ali	Mobile Shop
39	01038	Iqbal Bazar, Kamalia	30.7258369 2	72.649635 23	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haji Hanif	Cloth Shop
40	01039	Iqbal Bazar, Kamalia	30.7258335 9	72.649640 53	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haji Bashir Ahmad	Cloth Shop
41	01040	Iqbal Bazar, Kamalia	30.7258383	72.649675 55	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Pervez Akhtar	Hakeem
42	01041	Iqbal Bazar, Kamalia	30.7258542 4	72.649744 54	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sajjad Ahmad	Medical Store

Form	n: P-A17						Asse	Shop t Condition As	sessment				Asset Code: Date: 0	02-05-2023
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownershi p Status	Encroachm ent Status	Litigation Exist	Current Status	Conditio n	Tenant Name	Business
43	01042	Iqbal Bazar, Kamalia	30.7259827 6	72.649645 05	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Mohsin Javed	Medical Store
44	01043	Iqbal Bazar, Kamalia	30.7258972 2	72.649768 42	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sardar Ahmad	Book Depo
45	01044	Iqbal Bazar, Kamalia	30.7258763 7	72.649818 66	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Faheem	Darii Khais
46	01045	Iqbal Bazar, Kamalia	30.7258625 2	72.649820 57	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Rana Haji Muhamm ad Yaqub	Darii Khais
47	01046	Iqbal Bazar, Kamalia	30.7259290 4	72.649838 96	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Mustafa	Darri Khais
48	01047	Iqbal Bazar, Kamalia	30.7258859 4	72.649874 17	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shabbir Ahmad	Cloth Shop
49	01048	Iqbal Bazar, Kamalia	30.7258116 4	72.650037 53	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Gul Faraz	Mobile Shop
50	01049	Iqbal Bazar, Kamalia	30.7258745 2	72.650068 02	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Saeed Akhtar	Cloth Shop
51	01050	Iqbal Bazar, Kamalia	30.7259123	72.650030 45	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Faisal Nadeem	Cloth Shop
52	01051	Iqbal Bazar, Kamalia	30.7260053 9	72.650089 32	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Zain Hussain	Cloth Shop

Form IDAM	IP-A17 Shon Property				Shop Asset Condition Assessment Property							Asset Code: Date: 02-05-2023		
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	(Sqft) Stories Location p Status ent Status Exist Status					Conditio n	Tenant Name	Business	
53	01052	Iqbal Bazar, Kamalia	30.7259599 4	72.650122 31	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ghulam Mustafa	Cloth Shop
54	01053	Iqbal Bazar, Kamalia	30.7259176 8	72.650157 96	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Fazal Hussain	Jewllers Shop
55	01054	Iqbal Bazar, Kamalia	30.7259592 5	72.650252 69	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shahid Ali	General Store
56		Iqbal Bazar, Kamalia	30.7259249 6	72.650272 17	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ahmad Raza	Cloth Shop
57	01055	Iqbal Bazar, Kamalia	30.7258924 7	72.650273 87	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ahmad Raza	Cloth Shop
58	01056	Iqbal Bazar, Kamalia	30.7258862 7	72.650285 62	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Natthoo	General Store
59	01057	Iqbal Bazar, Kamalia	30.7258384 7	72.650253 46	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Mian Ghulam Ali	Jewllers Shop
60	01058	Iqbal Bazar, Kamalia	30.7259907 8	72.650380 07	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sardar Ali	Jewelry Shop
61	01059	Iqbal Bazar, Kamalia	30.7259714 1	72.650416 83	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Anwar	Meet shop
62	01060	Iqbal Bazar, Kamalia	30.7260131 2	72.650463 94	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Noor Ahmad, Muhamm	Jewllers Shop

Form IDAM	n: IP-A17						Asse	Shop t Condition As	sessment			Asset Code: Date: 02-05-2023		
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownershi p Status	Encroachm ent Status	Litigation Exist	Current Status	Conditio n	Tenant Name	Business
													ad Ali, Wajid Ali	
63	01062	Iqbal Bazar, Kamalia	30.7259970	72.650501 55	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Rashid Ali	Shoes Shop
64	01061	Iqbal Bazar, Kamalia	30.7260343 7	72.650664 14	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Amin	Cloth Shop
65	01063	Iqbal Bazar, Kamalia	30.7260317 9	72.650599 48	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Zulfiqar Ali	Crockery
66	01064	Iqbal Bazar, Kamalia	30.7259827	72.650536 54	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Mushtaq Hussain	General Store
67	01065	Iqbal Bazar, Kamalia	30.7259876 7	72.650497 29	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Nazar Hussain	Jewllers Shop
68	01066	Iqbal Bazar, Kamalia	30.7258992 6	72.650535 34	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Irfan Hussain	Jewllers Shop
69	01067	Iqbal Bazar, Kamalia	30.7259849 8	72.650425 67	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Hussain	Crockery
70	01068	Iqbal Bazar, Kamalia	30.7259607 3	72.650428 93	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	ljaz Hussain	Cloth House
71	01069	Iqbal Bazar, Kamalia	30.7258761	72.650425 41	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Yasin	Photo Studio

Form	NP-A17 Shop Property				Shop Asset Condition Assessment Property							Asset Code: Date: 02-05-2023		
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownershi p Status	Encroachm ent Status	Litigation Exist	Current Status	Conditio n	Tenant Name	Business
72	01070	Iqbal Bazar, Kamalia	30.7258749 1	72.650364 26	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhama md Sharif	Cycle Repair
73	01071	Iqbal Bazar, Kamalia	30.7259372 6	72.650255 66	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Umar Farooq	Store
74	01072	Iqbal Bazar, Kamalia	30.7259788 1	72.650290 12	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Ali	Jewllers Shop
75	01073	Iqbal Bazar, Kamalia	30.7259618 1	72.650257 44	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Noor Muhamm ad	Garments+ Bag
76	01074	Iqbal Bazar, Kamalia	30.7259427 6	72.650194 11	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Ali	Darri Khais
77	01075	Iqbal Bazar, Kamalia	30.7259476 9	72.650186 39	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Siddiq	Mobile Shop
78	01076	Iqbal Bazar, Kamalia	30.7259467 2	72.650182 05	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Iqbal	Mobile Shop
79	01077	Iqbal Bazar, Kamalia	30.7259448 3	72.650180 25	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ali Muhamm ad	Mobile Store
80		Iqbal Bazar, Kamalia	30.7259011 1	72.650065 49	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haji Muhamm ad Nawaz	General Store
81		Iqbal Bazar, Kamalia	30.7258960 4	72.650061 08	150	150 1 Commercial Owned/ No No Rented/ Leased						Good	Ghulam Sarwer	Band Baja

Form IDAM	1P-A17 Shon Property				Shop Asset Condition Assessment Property							Asset Code: Date: 0	02-05-2023	
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownershi p Status	Encroachm ent Status	Litigation Exist	Current Status	Conditio n	Tenant Name	Business
82		Iqbal Bazar, Kamalia	30.7258972 7	72.650057 7	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haji Muhamm ad Anwar Ul Haq	wann patii shop
83		Iqbal Bazar, Kamalia	30.7258944 7	72.650051 09	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haji Iftikhar Rasool	Overlook
84		Iqbal Bazar, Kamalia	30.7258921 9	72.650042 8	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Arif Hussain	Jewllers Shop
85		Iqbal Bazar, Kamalia	30.7258686 2	72.649975 26	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Malik Muhamm ad Boota	shoes Shop
86		Iqbal Bazar, Kamalia	30.7258787 4	72.649929 7	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Akram	Vegetable Shop
87		Iqbal Bazar, Kamalia	30.7259171	72.649971 57	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shabbir Ahmad	Shoes Shop
88		Iqbal Bazar, Kamalia	30.7258776 4	72.649928 06	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Shabbir Ahmad	Cloth Shop
89		Iqbal Bazar, Kamalia	30.7258157 4	72.649526 03	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Talib Hussain	Mobile Shop
90		Iqbal Bazar, Kamalia	30.7257945 6	72.649530 03	150	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Haji Abdul Rasheed	Cloth Shop

Form IDAM	n: IP-A17						Asse	Shop t Condition As	sessment			Asset Code: Date: 02-05-2023		
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownershi p Status	Encroachm ent Status	Litigation Exist	Current Status	Conditio n	Tenant Name	Business
91		Sadar Bazar Kamalia	30.7255631 6	72.647937 59	90	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Abdul Majeed	Paan Shop
92	04004	Iqbal Bazar, Kamalia	30.7257287 1	72.648401 83	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Zubair	Store
93	04005	Iqbal Bazar, Kamalia	30.7257238 5	72.648424 77	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sk. Abdul Hamid	Cloth Shop
94	04009	Iqbal Bazar, Kamalia	30.7257559 4	72.648620 64	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Tanvir Arshad	Cloth Shop
95	04008	Iqbal Bazar, Kamalia	30.7258198 9	72.648590 64	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Hadayat Ullah	Cloth Shop
96		Iqbal Bazar, Kamalia	30.7258485 8	72.648610 43	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Riaz	Photostate Shop
97	04010	Iqbal Bazar, Kamalia	30.7258982	72.648598 04	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ummar Hayyat	Cloth Shop
98	04011	Iqbal Bazar, Kamalia	30.7258951 3	72.648614 77	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Muhamm ad Din	Tailor Shop
99	04012	Iqbal Bazar, Kamalia	30.7259372 7	72.648629	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Arshad Javed	Cloth Shop
100	04013	Iqbal Bazar, Kamalia	30.7259372	72.648622 74	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	llam Din	Tea Stall

Form	n: IP-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	Ownershi p Status	Encroachm ent Status	Litigation Exist	Current Status	Conditio n	Tenant Name	Business
101	04001	Iqbal Bazar, Kamalia	30.7259520 9	72.648618 96	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Ghulam Muhamm ad	Tailor Shop
102		Nawaz Chowk, Kamalia	30.7266341 9	72.649064 93	60	1	Commercial	Not Owned/ But Managed	No	No	Rented/ Leased	Good	Haq Nawaz	parking
103	04002	Iqbal Bazar, Kamalia	30.7257245 1	72.648373 64	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Noor Hussain	Fast Food Point
104	04003	Iqbal Bazar, Kamalia	30.7257602	72.648512 01	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Nazir Ahmad Saleemi	Cloth Shop
105	04006	Iqbal Bazar, Kamalia	30.7257186 9	72.648632 03	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Sk. Abdul Hamid	Cloth Shop
106	04007	Iqbal Bazar, Kamalia	30.7256971	72.648463 47	96	1	Commercial	Owned/ Managed	No	No	Rented/ Leased	Good	Abdul Hamid	Cloth Shop
107	05007	Railway Road Near Eid Gah, Kamalia	30.7265846 6	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	72.640411 38	96	96 1 Commercial Owned/ No No Rented/ Leased					Good	Shabbir Hussain Dar	Travel Agency	

Rented/

Leased

Rented/

Leased

Good

Good

No

No

No

No

Kashif

Illyas

Liagat Ali

Auto

Workshop

Cooling

center

30.7264953

6

30.7265413

5

Road Near

Eid Gah,

Kamalia Railway

**Road Near** 

05002

05004

113

114

72.640453

57

72.640435

37

96

96

1

1

#### **Integrated Development and Asset Management Plan (IDAMP) Municipal Committee Kamalia** Shop **Asset Code:** Form: **IDAMP-A17 Asset Condition Assessment** Date: 02-05-2023 **Property** Litigation Shop **Property** Area No of Ownershi **Encroachm** Current Conditio **Tenant Business** Latitude SR. Longitude Location (Sqft) **Address Exist** Code **Stories** p Status ent Status **Status** n Name **Status** Eid Gah, Kamalia Railway Road Near 30.7265573 72.640482 Owned/ Rented/ Muhamm departmen 96 Commercial 109 05006 1 No No Good Eid Gah, 6 59 ad Rafiq Managed Leased tal store Kamalia Railway Road Near 30.7265316 72.640478 Owned/ Muhamm Barbar Rented/ 96 110 05005 1 Commercial No No Good 5 93 Eid Gah, Managed Leased ad Saleem Shop Kamalia Railway Rana Road Near 30.7264042 72.640435 Owned/ Rented/ 111 05001 96 1 Commercial No No Good Muhamm Fruit Shop 58 Eid Gah, 6 Managed Leased ad Hanif Kamalia Railway **Road Near** 72.640479 30.7264398 Kashif Auto Owned/ Rented/ 112 05003 96 1 No Commercial No Good Eid Gah, 6 14 Workshop Managed Leased Illyas Kamalia Railway

Commercial

Commercial

Owned/

Managed

Owned/

Managed

#### **Integrated Development and Asset Management Plan (IDAMP) Municipal Committee Kamalia** Shop **Asset Code:** Form: **IDAMP-A17 Asset Condition Assessment** Date: 02-05-2023 **Property** Litigation Shop **Property** Area No of Ownershi **Encroachm** Current Conditio **Tenant Business** SR. Latitude Longitude Location (Sqft) **Address Exist** Code **Stories** p Status ent Status **Status** n Name **Status** Eid Gah, Kamalia Railway Road Near 72.640388 Owned/ Rented/ welding Tent 30.7266257 96 115 05009 1 Commercial No No Good 94 Eid Gah, Service Managed Leased shop Kamalia Railway Road Near 30.7266540 72.640512 Owned/ Rented/ Muhamm 96 116 05010 1 Commercial No No Good Store 3 69 Eid Gah, Managed Leased ad Anwar Kamalia Railway Road Near 72.640508 Abdul Owned/ Rented/ 117 05011 30.7266755 96 1 Commercial No No Good Store Eid Gah, 87 Rehman Managed Leased Kamalia Railway **Road Near** 30.7266623 72.640477 Owned/ Rented/ Abdul 118 05012 96 1 No Babar shop Commercial No Good 58 Eid Gah, Rasheed Managed Leased Kamalia Ali Raza 30.7257496 72.648693 /Abdul Igbal Bazar, Owned/ Rented/ 119 150 1 Cloth Shop Commercial No No Good Kamalia 5 24 Managed Leased Majeed Babu **Average** 2 1 5 3 4 Score

	Integrated Development and Asset Management Plan (IDAMP)													
	Municipal Committee Kamalia  Shop													
	Form:  DAMP-A17  Asset Condition Assessment  Property										Asset Code: Date: 02-05-2023			
SR.	Shop Code	Property Address	Latitude	Longitude	Area (Sqft)	No of Stories	Property Location Status	Ownershi p Status	Encroachm ent Status	Conditio n	Tenant Name	Business		
	asset adition		Excellent		Good Fair Po					oor o	Fa	iling		
Cat	tegory		Α			В						D		E
		Data Collected	d By: Mr. Tayyo	nb	Designation: Team Member					Ž	Jugob			
											Sign & Date: 30 May 2023			
		Data Checked	l By: Mr. M. Fia	ız	Designation: Team Lead									
	Sign & Date: 30 May 2023													

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

		Integrated De	velopment an	d Asset Mana	gement Plan (IDAMP)
			Muncipal C	Committee Kai	malia
Form	:		Build	ing	As
IDAMP-	A14	Α	sset Condition	n Assessment	
Name			Fire B	rigade	Pictu
Location	Latitu	de	30.73	37756	
Location	Longit	ude	72.64	14245	
Address			Zeeshan Col	ony, Kamalia	
Year of Con	structio	n	19	80	
Land Area (	(Acres)		Not Av	ailable	
No. of Stori	ies			1	
Condition			Fai	ling	
Purpose			Fire B	rigade	
No. of Staff	F		(	)	
No. of Rooi	ms		(	)	
Conference	/Meetir	ng Room	Yes	No	
Store Room	1		Yes	No	FIEL SALE
Study Roon	n/Book :	Shelf	Yes	No	
Boundary V	Vall		Yes	No	
Heating & 0	Cooling A	Arrangement	Yes	No	
Parking Lot	S		Yes	No	
Drinking W			Yes	No	State of Sta
-	-	ality of water			Kamalia, Punja
(based on a	available	water quality	Yes	No	PJQV+4QJ, Rd, Zee Tek Singh District, I
test reports	•				Lat 30.737756° Long 72.644245°
Washroom	s / Sewe	erage System	Yes	No	oogle 02/05/23 04:11 PM
-		m for Ladies	Yes	No	
Prayers Are	ea/room		Yes	No	
Furniture			Yes	No	
Electric App		· · · · · · · · · · · · · · · · · · ·	Yes	No	
Machinery		ment	Yes	No	
Sports Club			Yes	No	
Staff Atten	dance Sy	/stem	Yes	No	
Emergency		•	Yes	No	
		n / Equipment	Yes	No	
Ramps for gate	wheel ch	nairs at entry	Yes	No	



**Asset Code:** 

**Pictures** 

Date: 02-05-2023

Integrated Development and Asset Management Plan (IDAMP)														
		Muncipal C	ommittee Ka	malia										
Form:		Build	ing		Asset	Code:								
IDAMP-A14	A	sset Condition	Assessment		I	Date: 02-05-2023								
Security Guard Yes No														
Park/lawn outdoor/indoor Yes No														
		Ove	erall Rating											
Average Score	1	2	3	}	4	5								
Asset Condition	Fxcellent Good Fair Poor Failing													
Category A B C D E														
		Remarks	/ Requireme	nts										

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** Building **Asset Code:** Form: Date: 02-05-2023 **IDAMP-A14 Asset Condition Assessment Pictures** Name Garage Latitude 30.725506 Location 72.64883 Longitude **Address** Igbal 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** No Yes **Store Room** Yes No Study Room/Book Shelf Yes No **Boundary Wall** Yes No **Heating & Cooling Arrangement** No Yes **Parking Lots** Yes No **Drinking Water Facilities** Yes No Availability and quality of water (based on available water quality Yes No test reports) Washrooms / Sewerage System Yes No No **Separate Washroom for Ladies** Yes Prayers Area/room Yes No **Furniture** Yes No

	Integrated De	velopment an	d Asset Mana	gement	Plan (IDAMP)	
		Muncipal C	ommittee Kar	malia		
Form:		Build	_		Asset (	Code:
IDAMP-A14	A	sset Condition	Assessment		[	Date: 02-05-2023
Electric Appliance	es (Fans Etc.)	Yes	No			
Machinery & Equ	ipment	Yes	No			
Sports Club		Yes	No	Date		
Staff Attendance	System	Yes	No			
Emergency Alarm	n System	Yes	No			
Fire Fighting Syst	em / Equipment	Yes	No			
Ramps for wheel	chairs at entry	Yes	No		Kamalia, Punjab, Pak	GPS Map Camera
Security Guard		Yes	No	Boogle Boogle	Ramalia, Punjab, Pale Punjab, Pale Punjab, Pakistan Lat 30,728506° Long 72.64883° 02/05/23 06:14 PM GMT + 40 PM GM	GPS Map Camera  kistan Tek Singh District,  7
Park/lawn outdo	or/indoor	Yes	No			
plantation						
	_		erall Rating			_
Average Score	1	2	3		4	5
Asset Condition	Excellent	Good	Fai		Poor	Failing
Category	Α	В	C		D	E
This building	; is used for the pa		/ Requirement	nts	0	
Data Collected By	: Mr. Tayyab	Designation:	Team Membe	r	Sign & Date: 30 M	
Data Checked By: Mr. M. Fiaz  Designation: Team Lead						by

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

	Integrated De	velopment an	d Asset Mana	gement	Plan (IDAMP)	
	megratea De		ommittee Ka		, idir (127 iivii )	
Form:		Build			Asset	Code:
IDAMP-A14	A	sset Condition	Assessment			Date: 02-05-2023
Name		Ex Police	. Chowki		Pictures	
Lat	itude	30.72	5734			
Location Lor	ngitude	72.64	8484			
Address		Iqbal Baza	ar, Kamalia			
Year of Construc		20				
Land Area (Acre	s)	Not Av				
No. of Stories		1				
Condition		Po				
Purpose		Non-Fu				
No. of Staff		(				
No. of Rooms	ation Descri	( Yaa				
Conference/Me Store Room	eting Koom	Yes	No No			
Store Room  Study Room/Bo	ok Shalf	Yes Yes	No No			
Boundary Wall	ok sileli	Yes	No			MESS IN
Heating & Coolin	ng Arrangement	Yes	No			
Parking Lots	ig Arrungement	Yes	No			
Drinking Water	Facilities	Yes	No			
-	quality of water			Yaled Sie	A BESS	GPS Map Camera
•	ble water quality	Yes	No		Kamalia, Punjab, Pal PJGX+89P, Iqbal Bazar Kan	
test reports)					Singh District, Punjab, Paki	
Washrooms / Se	ewerage System	Yes	No	Google	Long 72.648484° 02/05/23 06:11 PM GMT +0	15:00
Separate Washr	oom for Ladies	Yes	No	<b>新聞的</b>	02/00/20 00/	
Prayers Area/ro	om	Yes	No			
Furniture		Yes	No			
Electric Applian	• •	Yes	No			
Machinery & Eq	uipment	Yes	No			
Sports Club		Yes	No			
Staff Attendance		Yes	No			
Emergency Alar		Yes	No			
Ramps for whee	tem / Equipment	Yes	No			
gate	i cilairs at entry	Yes	No			
Security Guard		Yes	No			
Park/lawn outde	oor/indoor					
plantation	,	Yes	No			
		Ove	erall Rating			
Average Score	1	2	3		4	5
Asset Condition	Excellent	Good	Fa	ir	Poor	Failing
Category	Α	В	С		D	E
		Remarks	/ Requireme	nts		

Integrated Development and Asset Management Plan (IDAMP)									
Muncipal Committee Kamalia									
Form:		Building	Asset Code:						
IDAMP-A14	Į.	Asset Condition Assessment	Date: 02-05-2023						
The building is in poor condition and non-functional for a long time									
Data Collected By: N	Mr. Tayyab	Designation: Team Member	Luyob						
			Sign & Date: 30 May 2023						
Data Checked By: Mr. M. Fiaz		Designation: Team Lead	Wantar						
			Sign & Date: 30 May 2023						

# 5. PUBLIC PLACES

A.	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:			Slaughterhouse Asset Condition Assessment				Asset Code:			
IDAMP-A:	15	А						Date: 02-05-2023		
Name				ghter Ho			Pictures			
Location	Latitu			30.73776						
	Longi	tude		2.63012						
Address			Nilkian W		Kamalia					
Year of Cons		on		1990						
Total Area (A	Acres)			0.38						
Ownership	1			MC				2200		
Slaughter Capacity	Larg	er Animals		15						
(Per Day)	Sma	ller Animals		35						
Supervisor	Supervisor		Yes		No	意从		GPS Map Camera		
Doctor's Room		Yes		No		Kamalia Tehsil, Punj Nilkian Wali Rd, Toba Tek S				
Inhabitation	Inhabitation Facility		Yes		No		Punjab, Pakistan Lat 30.73776°	<mark>Æ</mark>		
Slaughtering	Slaughtering Hall		Yes		No	Google	Long 72.630125° 02/05/23 03:50 PM GMT +	05:00		
Evisceration	Hall		Yes		No		A STORY TO SERVICE AND A STORY OF THE SERVICE AN			
Meat Cutting	g Roor	n	Yes		No		a canada and a can	4 (h)		
Blood Collec	tion A	rrangements	Yes No							
Skin Storage	Room	1	Yes		No	Show a Re-				
Tools Disinfe	ectant	System	Yes		No					
Health and H	lygien	e SOPs	Yes		No			是在2000 1275		
Refrigeration	n / Sto	rage System	Yes		No			GPS Map Camera		
Separate Fac	cility fo	or Sick Animals	Yes		No		Kamalia Tehsil, Punj Nilkian Wali Rd, Toba Tek S	ingh District,		
Water Suppl	y Syst	em	Yes		No	1000	Punjab, Pakistan Lat 30.737747° Long 72.630015°			
Drainage & I	Dispos	al Facility	Yes		No	Google	02/05/23 03:50 PM GMT +	05:00		
Solid Waste	Collec	tion Facility	Yes		No					
Boundary W	Boundary Wall & Gate		Yes		No					
Approach Road Condition		Good	Fair	Poor						
Civil Structu	Civil Structure Condition		Good	Fair	Poor					
				Overal	Rating					
Average So	Average Score 1		2		3		4	5		
Asset Cond	sset Condition Excellent God		od	Fai	ir	Poor	Failing			

Category A		В	С	D	E						
	Remarks / Requirements										
<ul> <li>Ensure the establishment of efficient blood collection arrangements.</li> <li>Set up a dedicated skin storage room for hygienic purposes.</li> <li>Implement a reliable tools disinfectant system.</li> <li>Develop and enforce comprehensive health and hygiene standard operating procedures (SOPs).</li> <li>Install a robust refrigeration and storage system for proper preservation</li> </ul>											
Data Collected By: N	Mr. Таууаb	Designation: Tea	m Member	Sign & Date: 30 May 2023							
Data Checked By: M	lr. M. Fiaz	Designation: Tea	m 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 co	onstructed	94			

		Integrate	ed Dev	/elopn	nent and	d Asse	t Manag
							ttee Kam
Form	:				Bus S	tand	
IDAMP-	A12		Asset Condition Assessmen				
Name			G	eneral	Bus Sta	nd	
Location	Latitude			30.7	07661		
Location	Longitud	e	72.652426				
Address			Ch	nicha V	Vatni Ro	oad	areas.
Year of Cons	truction						
Last Major R	enovatio	า	Yet	to be	Constru	ctea	
Area			9	9 Kana	l 6 Marl	а	
Ownership				ľ	ИC		
Class			Α	В	С	D	
Designed	Buses						
Capacity of	Coaster	s					
Vehicles	Wagons	;					Google
Daily parking of	Buses						
vehicles (based on	Coaster	s					1
information provided by	Wagons	<b>i</b>					
MC)	Ricksha	ws					
Distance fro	m the urb	an area			_		
Security	At Entry	<i>'</i>	Y	'es	N	lo	DE
Security	At Exit		Y	'es	N	lo	
Gate	At Entry	<i>'</i>	Y	'es	N	lo	
Gute	At Exit		Y	'es	N	lo	Google
Waiting	Men		Υ	'es	N	lo	
Area	Families	3	Υ	'es	N	lo	
Washroom	Male		Υ	'es	N	lo	
wasiiiooiii	Female		Y	'es	N	lo	
Prayer	Male		Υ	'es	N	lo	67-12-
Room	Female		Y	'es	N	lo	E TANKS
Administration Office		Υ	'es	N	lo	- )//	
Parking Stan	d Ricksh	aw		'es		lo	
	Cars			'es		lo	-
Fuel Outlets			'es	-	lo	-	
Reception Desk				'es	-	lo	
Ticketing Sys	tem			'es	-	lo	Google
Tuck Shop			Y	'es	l N	lo	

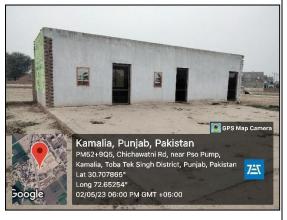


**Asset Code:** 

Date: 02-05-2023

**Management Plan (IDAMP)** 

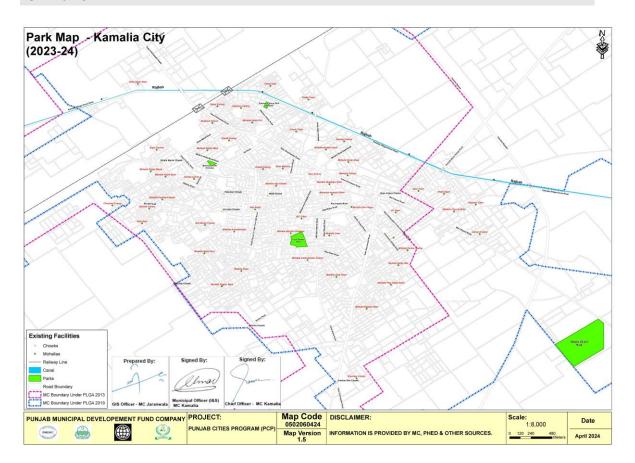
ee Kamalia





	Integrated Development and Asset Management Plan (IDAMP)										
	Muncipal Committee Kamalia										
Form	-				Bus Stan				Asset Code:		
IDAMP-	A12				ndition A	ssess	sment		Date: 02-05-2023		
Workshop			`	Yes	No						
Ablution Are	а		`	Yes	No						
Pedestrian	Pedestrian		,	Yes	No						
Green Spaces		`	Yes	No							
Water Drinki	ng Arr	angement	`	Yes	No						
Water Dispos	Water Disposal Arrangement		,	Yes	No						
Boarding Shed		`	Yes	No							
Workshops		,	Yes	No							
Lighting											
Boundary Wall			,	Yes N							
Flooring &	Type				•						
Pavement	Cond	ition	God	od Fa							
					Overall	l Rati	ing				
Average Sco	re	1		2 3		4	5				
Asset Condit	ion	Excellent	:	G	ood		Fair	Poor	Failing		
Category		Α			В		С	D	E		
				Re	marks / R	equi	rements				
No rema	arks							_			
Data Collected By: Mr. Tayyab				Designation: Team Member			ember	Luyob			
								Sign & Date: 30 N	1ay 2023		
Data Checked	d By: M	1r. M. Fiaz		Designo	ation: Tear	m Led	ad	May	ny		
								Sign & Date: 30 N	1ay 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

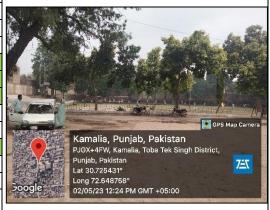
**Pictures** 

**Asset Code:** 

Date: 02-05-2023

		Integra	ted Develo	pme	nt an	d Asset M	lanagement Plan (IDAMP)
			N	lunc	ipal C	Committee	e Kamalia
Form	•		Asset	Con	Par ditior	k n Assessm	A ent
Name				MC Office			Pictur
	Latitud		30.725431				
Location	Longit				18758		-
Area In Acre		uue			1	•	
Ownership- possession a by any othe (documents	allocate er depar	d to MC tment			IC		
<b>Turfing Con</b>	dition		Good	Fa	air	Poor	
Approach R	oad		Good	Fa	air	Poor	
Parking Lots	S		Yes			No	
Canteen Av	ailability	У	Yes			No	
visitors	Average number of daily visitors (based on the assessment of		200				
	Any illegal occupants or encroachments observed-if yes, type		Yes		No		Kamalia, Punjab,
Security sys	tem		Yes			No	Punjab, Pakistan Lat 30.725438°
<del>-</del> 1	•	Watering 8	& Irrigation				Long 72.648755° 02/05/23 12:21 PM GM
Tube Well Water Supp	ly from	Municipal			es es	No No	HCAPSAL DIPOND INC.
Water Tank	•	iviui iicipai .	_		'es	No	
Pumping Ur					'es	No	
Distribution		nes		Υ	'es	No	
Valves				Υ	'es	No	
Sprinkler Sy	stem			Υ	'es	No	
Ground wat					'es	No	
	La	ndscaping	& Plantati			1	manufacture income
Grass Beds					es	No	Kamalia, Punjab,
Flower Beds	5				es	No	PJGX+4FW, Kamalia, T Punjab, Pakistan
Hedges Plants					'es	No	Lat 30.725431° Long 72.648758°
-	trees an	d species		Y	'es	No	02/05/23 12:24 PM GI
Number of trees and species (based on readily available information at MC)  Lights					5	50	
Total Numb	er	15			1	L5	†
Poles				Y	'es	No	1
Cables				'es	No	1	
Brackets An	d Lights				'es	No	1
Bulbs And T					'es	No	
Control Unit	ts			Y	'es	No	
No. of Toile	ts	Struc Gents	tures			2	-
.10. 01 10116		Joenius		<u> </u>	-	_	1





	Ladies			1			
C	Gents		Go	od			
Condition of Toilets	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 arra	angements		Yes		No		
Boundary Wall & Ga	ate		Yes		No		
Toilets			Yes		No		
Lakes & Brooks			Yes		No		
N	/lechanical Equip	men	t				
Pumping Units			Yes		No		
Swings			Yes		No		
Children Games			Yes		No		
Fixtures			Yes		No		
Benches			Yes		No		
Sar	nitation & Water	Sup	ply				
Litter Bins			Yes		No		
Condition of SWM			Fa	air			
Toilet Fixtures			Yes		No		
Sewerage System			Yes		No		
Vegetation Cuttings	& Disposal		Yes		No		
Drinking water avail	ability and qualit	ty					
(based on availabilit	y of water qualit	:y	N	lo			
test reports)							
Water Pipes	Yes		No				
Security Guards	Yes		No				
Landscape Experts	Yes		No				
Mali / Beldaar (Number)			Yes		No		
			Ove	erall	Ratin	g	
Average Score	1		2			3	
Assat Candition	F a a II a sa t		C = = =			Falls	

Overall Rating						
Average Score	1 2 3		3	4	5	
<b>Asset Condition</b>	Excellent	Good	Fair	Poor	Failing	
Category	Α	В	С	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	Laurel
		Sign & Date: 30 May 2023
Data Checked By: Mr. M. Fiaz	Designation: Team Lead	Mayfry
		Sign & Date: 30 May 2023

**Asset Code:** 

Date: 02-05-2023

		Integra	ted Develo	pme	nt an	d Asset N	Management Pla	n (IDAMP)
							e Kamalia	
Form			Asset	Con	Par dition	k ı Assessm	ent	A
Name			Ji	innal	n Park	(		Pictur
	Latitud	e	3	30.72	3214			
Location	Longitu	ıde	-	72.64	8898			
Area In Acre					1			
Ownership-	Owned l	by MC or			•			SILLIA
possession a		-						7,000.
by any othe	r depart	ment		M	IC			
(documents	availab	le)						E Heliatum →
Turfing Cond	dition		Good	Fa	air	Poor		
Approach Ro	oad		Good	Fa	air	Poor		malia, Punjab,
Parking Lots	1		Yes			No	Pur	X+HQ, Kamalia, To njab, Pakistan
Canteen Ava	ailability	1	Yes			No	Lor	30.723214° ng 72.648898°
Average nur	nber of	daily					300gle 02/	05/23 01:17 PM GN
visitors				3(	00			
(based on th	ne asses	sment of		٥.	0			
MC staff)								
Any illegal o	-		.,				The state of the s	
encroachme	ents obs	ervea-ıt	Yes			No		
yes, type Security sys	tom		Yes			No		
Security sys		Matorina S	Res Irrigation			NO	- 100 00	
Tube Well	•	watering c	x iii igatioii		es	No		i's Domish
Water Suppl	v from N	Municipal :	Svstem		es	No	PJF	malia, Punjab, X+HQ, Kamalia, To
Water Tank	,		- 1 - 1 - 1 - 1		es	No		njab, Pakistan 30.723246°
Pumping Un	it			Υ	es	No		ig 72.648912° 05/23 01:18 PM GN
Distribution	Pipe Lin	es		Υ	es	No	但然是是有政治	
Valves				Υ	es	No		
Sprinkler Sys	stem			Υ	es	No		4
Ground water			•		es	No		
0 0 1	Laı	ndscaping	& Plantation				- Name of the	
Grass Beds					es	No	-V-	
Flower Beds					es	No No		G(= -
Hedges Plants				_	es	No		
Number of t	rees and	species		•	<u>C3</u>	110	Ka Ka	malia, Punjab,
(based on re		-	ormation		40	00	PJF	X+56R Fazil Dewan nalia, Toba Tek Singl
at MC)	•						Lat	30.723194° g 72.64879°
		Lig	hts					05/23 01:23 PM GM
Total Number	er					.0		
Poles					es	No	-	
Cables				_	es	No	_	
Brackets And				_	es	No	-	
Bulbs And Tu					es	No	-	
Control Unit	S	C+	turos	Υ	es	No	-	
		Struc	tures				_	



**Pictures** 





N CT 11 .	Gents	(	)	
No. of Toilets	Ladies	(	)	
C 1111 (T 11 )	Gents	Nil		
Condition of Toilets	Ladies	N	lil	
Buildings		Yes	No	
Fountains & Water F	all Structure	Yes	No	
Walkways		Yes	No	
Jogging tracks		Yes	No	
Ramps at entry gate	s for wheel chairs	Yes	No	
Bridges & Culverts		Yes	No	
Play Area		Yes	No	
Gazebos		Yes	No	
Benches/ sitting arra	angements	Yes	No	
Boundary Wall & Ga	te	Yes	No	
Toilets		Yes	No	
Lakes & Brooks		Yes	No	
N.	1echanical Equipmen	t		
Pumping Units		Yes	No	
Swings		Yes	No	
Children Games		Yes	No	
Fixtures		Yes	No	
Benches		Yes	No	
San	itation & Water Sup			
Litter Bins		Yes	No	
Condition of SWM		Go	od	
Toilet Fixtures		Yes	No	
Sewerage System		Yes	No	
Vegetation Cuttings	•	Yes	No	
Drinking water avail				
(based on availabilit	y of water quality	N	0	
test reports)				
Water Pipes		Yes	No	
	HR			
Security Guards		Yes	No	
Landscape Experts		Yes	No	
Mali / Beldaar (Num	ber)	Yes	No	

© CPS Map Camera Kamalia, Punjab, Pakistan
PJFX+56R Fazii Dewan Park, Dargahi Shah, Kamalia, Toba Tek Singh District, Punjab, Pakistan Lat 30.723194* Long 72.648879° 02/05/23 01:23 PM GMT +05:00

		Overal	Rating		
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	Α	В	С	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	Mayfaz

**Asset Code:** 

Date: 02-05-2023

Sign & Date: 30 May 2023

		Integra	ted Develo	pment	an	d Asset N	lanagement Plan (IDAMP)
		ommittee	e Kamalia				
Form			Asset	-	Parl	k Assessm	A ent
Name			Zee	eshan C	olo	ny	Pictur
	Latitud	le		30.7370	34		
Location	Longitu	ıde	-	72.6452	273		=
Area In Acre				0.5			
Ownership-opossession aby any other (documents	llocated depart	d to MC ment		MC			
Turfing Cond	lition	-	Good	Fair		Poor	
Approach Ro	oad		Good	Fair		Poor	
Parking Lots			Yes			No	Tabil F. Articles
Canteen Ava		,	Yes			No	Kamalia, Punjab PJPW+Q4X, Zeeshan C
Average nur visitors (based on th MC staff)	e asses:	sment of		100			Kamalia, Toba Tek Sing Lat 30.737034° Long 72.645273° 02/05/23 04:15 PM GM
Any illegal o	-						
encroachme	nts obs	erved-if		No			
yes, type Security syst	em		Yes			No	
Security 3y30		Natering 8	& Irrigation			140	
Tube Well	•		×ga c.o.	Yes		No	
Water Suppl	y from N	Municipal S	System	Yes		No	
Water Tank				Yes		No	Kamalia, Punjab
Pumping Un				Yes		No	PJPW+Q4X, Zeeshan C Kamalia, Toba Tek Sing
Distribution	Pipe Lin	es		Yes		No	Lat 30.73704° Long 72.645099°
Valves Sprinkler Sys	tom			Yes		No No	02/05/23 04:17 PM GM
Ground water		ge reservo	irs/ponds	Yes		No	
			& Plantati				
Grass Beds				Yes		No	
Flower Beds				Yes		No	
Hedges				Yes		No	
Plants				Yes		No	
Number of to (based on re at MC)		-	ormation		5	0	Kamalia, Punjab
		Lig	hts				PJPW+Q4X, Zeeshan C Kamalia, Toba Tek Sing
Total Number	er					5 I	Lat 30.737051° Long 72.645072°
Poles				Yes		No	200gle 02/05/23 04:17 PM GM
Cables	ا انجاب			Yes		No No	-
Brackets And Bulbs And Tu				Yes Yes		No No	
Control Unit				Yes		No	]



**Pictures** 





	Structures		
No. of Toilets	Gents	N	lil
NO. OF FOILETS	Ladies	N	lil
Condition of Toilets	Gents	N	lil
Condition of Tollets	Ladies	N	lil
Buildings		Yes	No
Fountains & Water F	all Structure	Yes	No
Walkways		Yes	No
Jogging tracks		Yes	No
Ramps at entry gate	s for wheel chairs	Yes	No
Bridges & Culverts		Yes	No
Play Area		Yes	No
Gazebos		Yes	No
Benches/ sitting arra	angements	Yes	No
Boundary Wall & Ga	te	Yes	No
Toilets		Yes	No
Lakes & Brooks		Yes	No
N	1echanical Equipme	nt	
Pumping Units		Yes	No
Swings		Yes	No
Children Games		Yes	No
Fixtures		Yes	No
Benches		Yes	No
San	itation & Water Su	pply	
Litter Bins		Yes	No
Condition of SWM		Po	or
Toilet Fixtures		Yes	No
Sewerage System		Yes	No
<b>Vegetation Cuttings</b>	& Disposal	Yes	No
Drinking water avail	ability and quality		
(based on availability	y of water quality	N	lo
test reports)			
Water Pipes		Yes	No
	HR		
Security Guards		Yes	No
Landscape Experts		Yes	No
Mali / Beldaar (Num	ber)	Yes	No

		Overal	l Rating		
Average Score	1	2	3	4	5
<b>Asset Condition</b>	Excellent	Good	Fair	Poor	Failing
Category	Α	В	С	D	Е

### **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

		Integra	ted Develo	pment ar	nd Asset N	Management Plan (IDAMP)
			N	/luncipal (	Committe	e Kamalia
Form:			Asset	Pai	rk n Assessm	A
IDAIVIP-A	410		Asset	Condition	11 ASSESSIII	lent
Name				Lady Park		Pictur
	Latitud	e		30.73106		
Location	Longitu	ıde	-	72.639763	3	
Area In Acre	S			0.75		
Ownership-Opossession a by any other (documents	llocated depart	to MC ment		MC		ک (لیار دو پائدران بال) بل کتمیش کتمانید
Turfing Cond	lition		Good	Fair	Poor	Sendania di A
Approach Ro	ad		Good	Fair	Poor	Kamalia, Punjab, PJJR+82G, Road, Gha
Parking Lots			Yes		No	Tek Singh District, Pur Lat 30.73106°
Canteen Ava	ilability	1	Yes		No	<b>Soogle</b> Long 72.639763° 02/05/23 03:25 PM G
Average nun visitors (based on th MC staff) Any illegal of encroachme	e asses	sment of		100 No		
yes, type	nts obs	ervea-ii		NO		
Security syst	em		Yes		No	
		Watering 8	& Irrigation			The state of the s
Tube Well		_	_	Yes	No	Kamalia, Punjab, PJJR+82G, Road, Gha
Water Suppl	y from N	Municipal :	System	Yes	No	Tek Singh District, Pur Lat 30.731062°
Water Tank				Yes	No	Doogle Long 72.63977° 02/05/23 03:27 PM G
Pumping Uni				Yes	No	The state of the s
Distribution Valves	Pipe Lin	es		Yes Yes	No No	
Sprinkler Sys	tem			Yes	No	
Ground water		ge reservo	irs/ponds	Yes	No	
			& Plantati	1		
Grass Beds				Yes	No	
Flower Beds				Yes	No	VALUE
Hedges				Yes	No	
Plants				Yes	No	Kamalia, Punjab,
Number of tr (based on re at MC)		ailable info			60	P.J.R82G, Road, Gha Tek Singh District, Put Lat 30.731003° Long 72.63984° 02/05/23 03:27 PM Gl
Total Numbe	ır.	LIG	hts		4	
Poles	.1			Yes	No No	1



**Pictures** 

**Asset Code:** 

Date: 02-05-2023





اما						
Cables		Yes Yes		0		
Brackets And Lights				0		
Bulbs And Tubes	oes			0		
Control Units		Yes	N	0		
	Structures	1				
No. of Toilets	Gents					
	Ladies		2			
Condition of Toilets	Gents					
	Ladies		oor			
Buildings		Yes		0		
Fountains & Water	Fall Structure	Yes		О		
Walkways		Yes		0		
Jogging tracks		Yes		0		
Ramps at entry gate	es for wheel chair			0		
Bridges & Culverts		Yes		0		
Play Area		Yes		0		
Gazebos		Yes		0		
Benches/ sitting arr		Yes		0		
Boundary Wall & G	ate	Yes		0		
Toilets		Yes		О		
Lakes & Brooks		Yes	N	0		
	Mechanical Equip					
Pumping Units		Yes	N	0		
Swings		Yes	N	0		
Children Games		Yes	Ν	0		
Fixtures		Yes	N	0		
Benches		Yes	N	0		
Sa	nitation & Water	Supply				
Litter Bins		Yes	N	0		
Condition of SWM		Yes	N	0		
Toilet Fixtures		Yes	N	0		
Sewerage System		Yes	N	0		
Vegetation Cuttings	s & Disposal	Yes	N	0		
Drinking water avai	lability and qualit	ty				
(based on availabili	ty of water qualit	:y	No			
test reports)						
Water Pipes		Yes	Ν	0		
	HR					
Security Guards		Yes	Ν	0		
Landscape Experts		Yes	N	0		
Mali / Beldaar (Nun	nber)	Yes	N	0		
			erall I	Rating		_
Average Score	1	2		3	4	5
Asset Condition	Excellent	Good		Fair	Poor	Failing
Category	Α	В		С	D	E
				quirements		
Overall, the co	ondition of park is	fair and majo	ority of	facilities are av	railable.	
Data Collected By: I	Мг. Таууаb	Designation:	Теат	Member	Sign & Date: 30 N	
					Sign & Date: 30 IV	1uy 2023

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

		Integra	ted Develo	pmei	nt an	d Asset N	lanagemen	t Plan (IDAMP)
			N	/lunci	pal C	ommitte	e Kamalia	
Form IDAMP-	-		Asset	Conc	Par dition	k Assessm	ent	A
Name			Naw	az Sh	arif F	Park		Pictur
	Latitud	le		30.75	2052			
Location	Longitu	ude	=	72.66	4173			
Area In Acre	s			1	2			
Ownership-opossession aby any other (documents	allocated r depart	d to MC ment		MC				
Turfing Cond	dition		Good	Fa	ir	Poor		
Approach Ro	oad		Good	Fa	ir	Poor	500	Kamalia Tehsil, F
Parking Lots			Yes			No		Punjab, Pakistan
Canteen Ava	ailability	/	Yes			No	Soogle	Lat 30.752052° Long 72.664173° 02/05/23 05:06 PM G
Average nur visitors (based on the MC staff)	ie asses	sment of		40	00			
Any illegal o encroachme yes, type	-		Yes			No		
Security syst	tem		Yes			No		
	\	Watering 8	& Irrigation					
Tube Well					es	No		Kamalia Tehsil, F Unnamed Road, Toba
Water Suppl Water Tank	y trom i	viunicipai s	system		es es	No No		Punjab, Pakistan Lat 30.710635°
Pumping Un	it				es es	No	Google	Long 72.675998°
Distribution		ies			es	No	- Cogo	02/05/23 05:07 PM G
Valves					es	No		
Sprinkler Sys	tem			Y	es	No		
Ground wate	er stora	ge reservoi	irs/ponds	Υ	es	No	-	
	Laı	ndscaping	& Plantati			1	TO THE REAL PROPERTY.	
Grass Beds					es	No		
Flower Beds					es	No		STATE OF THE STATE
Hedges					es	No		
Plants Number of t	roos and	d species		Y	es	No	(00)	Kamalia Tehsil, P
(based on re at MC)		ailable info						Unnamed Road, Toba Punjab, Pakistan Lat 30.710687° Long 72.675964°
		Lig	hts	1			Google	02/05/23 05:07 PM GI
Total Number	er					Plus		
Poles				Υ	es	No	_	



**Pictures** 

**Asset Code:** 

Date: 02-05-2023





Cables		Yes	No
Brackets And Lights		Yes	No
Bulbs And Tubes	Yes	No	
Control Units		Yes	No
	Structures		
No. of Toilets	Gents	7	2
No. or rollets	Ladies		2
Condition of Toilets	Gents	Fai	ling
Condition of Tollets	Ladies	Fai	ling
Buildings		Yes	No
Fountains & Water F	all Structure	Yes	No
Walkways		Yes	No
Jogging tracks		Yes	No
Ramps at entry gate	s for wheel chairs	Yes	No
Bridges & Culverts		Yes	No
Play Area		Yes	No
Gazebos		Yes	No
Benches/ sitting arra	angements	Yes	No
Boundary Wall & Ga	te	Yes	No
Toilets		Yes	No
Lakes & Brooks		Yes	No
	1echanical Equipmen	t	
Pumping Units		Yes	No
Swings		Yes	No
Children Games		Yes	No
Fixtures		Yes	No
Benches		Yes	No
	nitation & Water Sup		1
Litter Bins		Yes	No
Condition of SWM			or
Toilet Fixtures		Yes	No
Sewerage System		Yes	No
Vegetation Cuttings		Yes	No
Drinking water availa			
(based on availability	y of water quality	N	lo
test reports)			
Water Pipes		Yes	No
	HR	1	
Security Guards		Yes	No
Landscape Experts		Yes	No
Mali / Beldaar (Num	ber)	Yes	No
		Ove	erall Rating
	4	~	1

#### Average Score 3 4 5 **Asset Condition** Excellent Poor Good Fair Failing Category Α В C D Ε

# 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

Α.	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

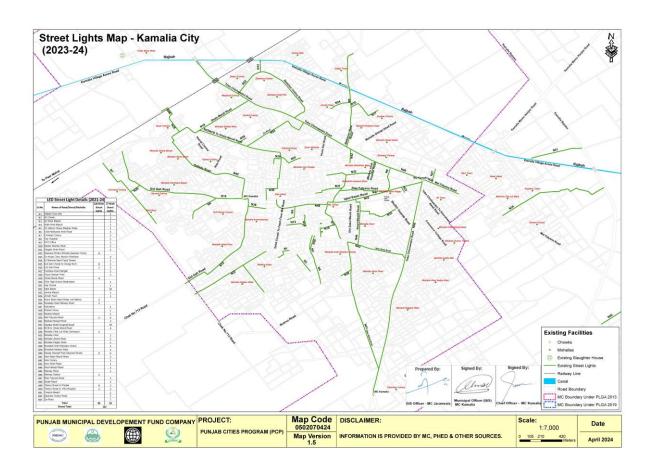
Sr #	Name	Registration Number	Age (Years)	Capacity	Condition	Status	Book Value (PKR Mil)
1	Cultus	TSB-9988	22	1000 сс	Fair	Functional	0.225

	Integrated Development and Asset Management Plan (	IDAMP)						
Muncipal Committee Kamalia								
Form: Moveable Asset Asset Code:								
IDAMP-A16	Asset Condition Assessment	Date: 02-05-2023						
Type of Vehicle / Machinery	Pictures							
Car								
Capacity	4 Person							
Purpose	Office Use							
Year of	2001							
Manufacturing								
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	Mayfry 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

	Munci	oal Commit	tee Kamali	а						
Form:		et Lights					Ass	set Co	de:	
IDAMP-A9	Asset Cond						Da	te: 02	-05-2023	
\ \ \ \ \		Picture	es							
			Ty	ype o	f Lum	inari	es			
,	Area	Total	Incandesc	CFL	(W)	L	ED (V	/)	Operational	
			ent Bulb		Ι				Status	
			(100W)	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, Justice 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 n	486	7	2	76	1	3	Operational	
Jandi Wala, Dehli Chow Basti, Railway Road, Mu Mohalla Khaji Wala, Mo	d Ladies Park, Mohalla	i d, ah 486								

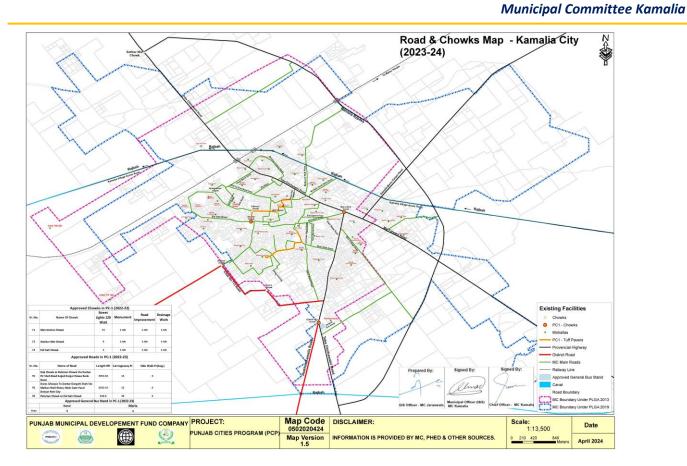
# Remarks / Requirements

No remarks

Data Collected By: Mr. Tayyab Designation: Team Member

Sign & Date: 30 May 2023

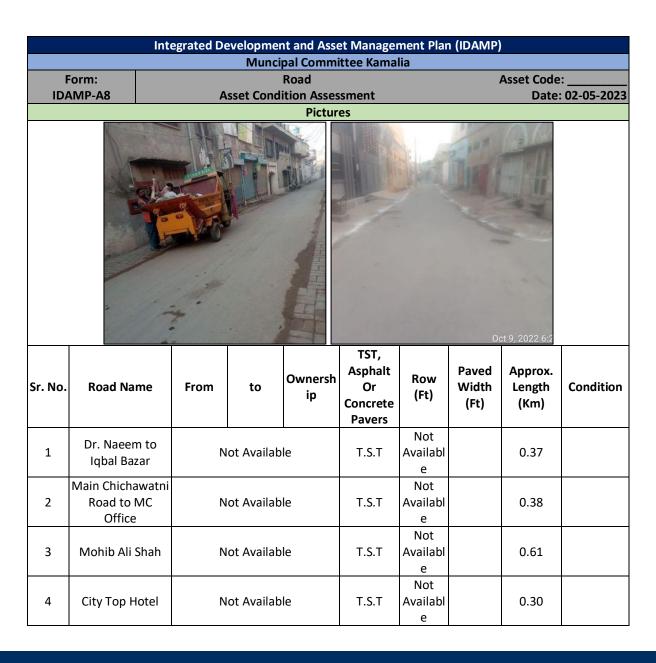
Data Checked By: Mr. M. Fiaz	Designation: Team Lead	Mayfry
		Sign & Date: 30 May 2023



### 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	lqbal 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



		Inte	grated Development and Asse			(IDAMP)
	Form:		Muncipal Commi Road	ttee Kama	ilia	Asset Code:
	AMP-A8		Asset Condition Asses	smont		Date: 02-05-2023
10/			Asset Condition Asses	Silielit	Not	Date: 02-03-2023
5	Mekanan Chong	;i	Not Available	T.S.T	Availabl e	0.61
6	Telepho Exchange to Bazar	o Tota		T.S.T	Not Availabl e	1.01
7	Iqbal Baza Main Gate MC			T.S.T	Not Availabl e	0.21
8	Markazi Ir Barga			T.S.T	Not Availabl e	0.14
9	Mohall Mehtianv			T.S.T	Not Availabl e	0.07
10	BOP Ro	ad		T.S.T	Not Availabl e	0.18
11	Stop No Chichawatn To Disposal Chungi N	i Road Work	Not Available	T.S.T	15	3.00
12	Opposite : Pump T Pakistani (	О		T.S.T	15	1.50
13	Telepho Exchange 1 Gah			T.S.T	33	1.50
14	Bhallah Cho Railway St			T.S.T	15	0.75
15	Hasan Cho Bhalla Ch			T.S.T	16	0.50
16	Norani Cho Alfateh Floo			T.S.T	15	0.60
17	Raza Bad To Mand	i		T.S.T	15	0.85
18	Hasan Cho Railway R	oad		T.S.T	15	0.45
19	Eid Gah Disposal V Chongi N	Vork		T.S.T	24	0.85
20	Hashmat C To Chow Kohlowala Bazar	wk Iqbal		T.S.T	18	0.50
21	Iqbal Baza Noor Sh	ar To		T.S.T	18	0.50
	•		Remarks / Req	uirements		
• N	o remarks					

	Integrated D	evelopment and Asset Management	: Plan (IDAMP)
		Muncipal Committee Kamalia	
Form:		Road	Asset Code:
IDAMP-A8	A	Asset Condition Assessment	Date: 02-05-2023
Data Collected By: I	Mr. Tayyab	Designation: Team Member	Sign & Date: 30 May 2023
Data Checked By: N	1r. M. Fiaz	Designation: Team Lead	Sign & Date: 30 May 2023

## **Annexure B. Projects Coding Scheme:**

Region Name	Region Code	МС	MC Code	Property Types	Property Type Code	Sub Property Types	Sub Property Type Code	Unique Codes
						Tube wells	01	02-10-01-01-XX
						Water Supply Network (ft)	02	02-10-01-02-XX
				Water Supply	01	OHR	03	02-10-01-03-XX
				System		Filtration Plants	04	02-10-01-04-XX
						Vehicles	05	02-10-01-05-XX
						GST	06	02-10-01-06-XX
	Sewerage System  O2  Disposal State  Vehicles  Solid Waste  Management  O3  Vehicles	Sewerage Network (ft)	01	02-10-02-01-XX				
			Sewerage System	02	Disposal Stations	02	02-10-02-02-XX	
						Vehicles	03	02-10-02-03-XX
				Solid Waste		Dumping site	01	02-10-03-01-XX
Central		Kamalia		Management	03	Vehicles	02	02-10-03-02-XX
Punjab			10	System		Parking Shed	03	02-10-03-03-XX
				Roads and Streets		Roads	01	02-10-04-01-XX
					04	Street	02	02-10-04-02-XX
						Street light	03	02-10-04-03-XX
						Parks	01	02-10-05-01-XX
						Playgrounds	02	02-10-05-02-XX
						Open Spaces / Plots	03	02-10-05-03-XX
				Public Places	05	Bus Stand	04	02-10-05-04-XX
				Public Places	US	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	МС	MC Code	Property Types	Property Type Code	Sub Property Types	Sub Property Type Code	Unique Codes
						Shops	09	02-10-05-09-XX
						Office buildings	01	02-10-06-01-XX
				Others	06	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. Proj	ect Purpose & Service Delivery Improv	ement					
				2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Significant contribution	10
	system of service delivery.			10	Significant contribution		
				0	No contribution.		
1.2	Whether the project will contribute		10	2.5	Indirect contribution.	Major contribution to key development	10
1.2	to Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	goal.	10
				10	Major contribution to key development goal.		
	Whether the deference/ delay of			0	No consequences		
1.3	the project is going to affect		10	2.5	Minor consequences	Nacioni increadiate consequence	10
1.3	citizens' health, safety, property,			7.5	Major future consequences	Major immediate consequences	10
	prosperity etc.?			10	Major immediate consequences		
2. Pub	lic Response						
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5
		15		7.5	Greater than 20%		
2.2	Is there support or opposition for		5	0	Majority opposition	Majority support	5
2.2	the		5	1	Minority opposition	- Majority support	<b>5</b>

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

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		10	10 0	Yes No	Yes	10
	project (If required)? Has funding been secured/allocated			5	Yes		
5.2	within the Local Government budget or whether the external sources of funding have been secured?		5	0	No	Yes	5
				1	Difficult		
5.3	Will the project get approval from higher levels of Government?		5	2.5	Standard	Easy	5
		30		5	Easy		
		30		1	Difficult		
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Standard	3
				5	Easy		
				0	Outside expertise needed for construction, O &M		
5.5	Is there a capable system in place to implement and operate this		5	1	Outside expertise needed for construction ph ase only	Outside expertise needed for constructi	1
	project or is external support needed?			3	Outside expertise needed for preparation pha se i.e. feasibility studies	on phase only	_
				5	No outside expertise needed		
Total A	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. Proje	ect Purpose & Service Delivery Impro	vement					
				2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Significant contribution	10
	which system of service delivery.			10	Significant contribution		
				0	No contribution.		
1.2	Whether the project will		10	2.5	Indirect contribution.	Major contribution to key	10
1.2	contribute to Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	development goal.	10
				10	Major contribution to key development goal.		
	Whether the deference/ delay of the project is going to affect citizens' health, safety, property,	_		0	No consequences		
1.3			10	2.5	Minor consequences	Major immediate	10
1.5			10	7.5	Major future consequences	consequences	
	prosperity etc.?			10	Major immediate consequences		
2. Publi	ic Response						
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5
				7.5	Greater than 20%		
	Is there support or opposition for	15		0	Majority opposition		
2.2	the		_	1	Minority opposition	Majority support	5
۷.۷	project from NGO's, community		5	5	Majority support	Majority support	<b>)</b>
	groups,			2.5	Minority support		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
	network, media or business organizations?							
	Is there support or opposition			0	Majority opposition			
2.3	from residents in the immediate vicinity		2.5	0.5	Minority opposition	Majority support	2.5	
2.5	of the		2.5	2.5	Majority support	Majority support	2.5	
	new facility?			1.5	Minority support			
3. Envir	ronmental Impact						•	
	The impact of the proposed project on the quality of local			0	Negative effects on quality of the local enviro nment			
3.1	environment (e.g. Air quality,	nvironment (e.g. Air quality, 10		<b>10</b> 10		Neutral	Positive effects on the quality of the local environment	10
	Water pollution, Waste reduction, etc.			10	Positive effects on the quality of the local environment	of the local chandrales		
4. Socio	-Economic Impact						T	
			7.5	0	No direct revenue		2.5	
4.1	Will the project bring in direct			2.5	Direct revenue is not sufficient to meet O&M costs	Direct revenue is not		
	revenue?			5	Revenue meets O&M costs	sufficient to meet O&M costs		
				7.5	Revenue exceeds O&M costs			
	Are there indirect economic	15		0	Negative impact on the local economy			
	benefits from this project in the long term, e.g. employment			2.5	Little or no long term economic development benefits	Additional investment in the		
4.2	creation, investment generation, increase in land/property prices,		7.5	5	Additional investment in the area and increased wealth for citizens	area and increased wealth for citizens	5	
	reduction in citizens' expenditures, etc.?			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				
	Has funding been			5	Yes				
5.2	secured/allocated within the Local Government budget or whether the external sources of funding have been secured?		5	0	No	Yes	5		
		_		1	Difficult				
5.3	Will the project get approval from higher levels of Government?		5	5	5	2.5	Standard	Easy	5
	Inglier levels of dovernment:			5	Easy				
		1 Difficult							
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Standard	3		
	in respect of technical design:			5	Easy				
		-		0	Outside expertise needed for construction, O &M				
5.5	Is there a capable system in place to implement and operate this		5	1	Outside expertise needed for construction ph ase only	Outside expertise needed for	1		
2.0	project or is external support needed?		3	3	Outside expertise needed for preparation pha se i.e. feasibility studies	construction phase only	_		
				5	No outside expertise needed				
Total A	chieved 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. Proj	ect Purpose & Service Delivery Improvement	-	•				
	December and set fill a gar in a wider overtone of			2.5	Minor contribution	Cianificant	
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Significant contribution	10
	service delivery:			10	Significant contribution	Continuation	
				0	No contribution.		
	Whether the project will contribute to Sectoral			2.5	Indirect contribution.	Major contribution to	
1.2	Plan / City Master Plan?	30	10	7.5	Minor direct contribution	key development goal.	10
	Fidit / City Master Fidit:	30		10	Major contribution to key development goal.		
				0	No consequences	Major immediate consequences	
1.3	Whether the deference/ delay of the project is		10	2.5	Minor consequences		10
1.5	going to affect citizens' health, safety, property, prosperity etc.?			7.5	Major future consequences		10
	prosperity etc.:			10	Major immediate consequences		
2. Pub	lic Response						
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5
				7.5	Greater than 20%		
	lathous support or supposition for the	15		0	Majority opposition		
2.2	Is there support or opposition for the project from NGO's, community groups, network, media or business organizations?		5	1	Minority opposition	Majority support	5
2.2				5	Majority support		
	Thethory media of basiless of ballizations.			2.5	Minority support		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
				0	Majority opposition		
2.2	Is there support or opposition from		2.5	0.5	Minority opposition	N 4 a i a with v a v m m a wt	2.5
2.3	residents in the immediate vicinity of the new facility?		2.5	2.5	Majority support	Majority support	2.5
	new facility:			1.5	Minority support		
3. Envi	ronmental Impact		•				
	-			0	Negative effects on quality of the local envir		
	The impact of the proposed project on the quality			U	onment	Positive effects on th	
3.1	of local environment (e.g. Air quality, Water	10	10	5	Neutral	e quality of the local	10
	pollution, Waste reduction, etc.			10	Positive effects on the quality of the local en vironment	en environment	
4. Soci	o-Economic Impact	•	•				•
	·			0	No direct revenue		
				2.5	Direct revenue is not sufficient to meet		
4.1	Will the project bring in direct revenue?		7.5	2.3	O&M costs	No direct revenue	0
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
		15		0	Negative impact on the local economy		
	Are there indirect economic benefits from this	13		2.5	Little or no long term economic	Additional	
	project in the long term, e.g. employment				development benefits	investment in the	
4.2	creation, investment generation, increase in		7.5	5	Additional investment in the area and	area and increased	5
	land/property prices, reduction in citizens'				increased wealth for citizens	wealth for citizens	
	expenditures, etc.?			7.5	Significant competitive advantage to	— wealth for citizens	
					industry and boost to the local economy		
5. Ease	of Implementation			10	I	<u> </u>	1
5.1	Has land been acquired for the project (If		10	10	Yes	Yes	10
	required)?	30	_	0	No		_
5.2			5	5	Yes	Yes	5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Has funding been secured/allocated within the						
	Local Government budget or whether the external			0			
	sources of funding have been secured?				No		
	Will the project get approval from higher levels of			1	Difficult		
5.3	Government?		5	2.5	Standard	Easy	5
	dovernment:			5	Easy		
				1	Difficult	- Clarida d	
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Standard	3
	technical design:			5	Easy		
				0	Outside expertise needed for construction, O&M		
5.5	Is there a capable system in place to implement and operate this project or is external support		5	1	Outside expertise needed for construction p hase only	eded for construction	1
	needed?			3	Outside expertise needed for preparation p hase i.e. feasibility studies		
				5	No outside expertise needed		
Total A	schieved 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. Proj	ect Purpose & Service Delivery Improvement						
	Does the project fill a gap in a wider system of			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5
	Service delivery:			10	Significant contribution		
				0	No contribution.		
1.2	Whether the project will contribute to Sectoral Plan		10	2.5	Indirect contribution.	Indirect contribution.	2.5
1.2	/ City Master Plan?	30	10	7.5	Minor direct contribution	munect contribution.	2.5
				10	Major contribution to key development goal.		
	NA/hathaytha dafayana / dalay af tha myaicet is sains			0	No consequences	Minor consequences	
1.3	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity		10	2.5	Minor consequences		2.5
1.5	etc.?		10	7.5	Major future consequences		2.5
	cto.:			10	Major immediate consequences		
2. Pub	lic Response	_		_			
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Between 10% to 20%	5
				7.5	Greater than 20%		
	Is there support or apposition for the			0	Majority opposition		
2.2	Is there support or opposition for the project from NGO's, community groups,	15	5	1	Minority opposition	Majority support	5
2.2	network, media or business organizations?	13	, ,	5	Majority support		
	network, media or business organizations.			2.5	Minority support		
	Is there support or opposition from			0	Majority opposition		
2.3	residents in the immediate vicinity of the		2.5	0.5	Minority opposition	Majority support	2.5
	new facility?			2.5	Majority support		

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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
				5	Easy		
	Fore of implementation of publication associated			1	Difficult		
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Easy	5
	technical design:	-		5	Easy		
	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		
5.5				1	Outside expertise needed for construction ph ase only	Outside expertise need ed for construction pha	1
				3	Outside expertise needed for preparation ph ase i.e. feasibility studies	se only	
				5	No outside expertise needed		
Total A	chieved 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. Proj	ect Purpose & Service Delivery Improvement									
	Doos the project fill a gap in a wider system of			2.5	Minor contribution					
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5			
	Service delivery:			10	Significant contribution					
				0	No contribution.					
	Whether the project will contribute to Sectoral			2.5	Indirect contribution.					
1.2	Plan / City Master Plan?	30	10	7.5	Minor direct contribution	Indirect contribution.	2.5			
	Train, etcy Master Flam.	30		10	Major contribution to key development goal.					
	NAME of the section o			0	No consequences	Minor consequences				
1.3	Whether the deference/ delay of the project is		10	2.5	Minor consequences		2.5			
1.5	going to affect citizens' health, safety, property, prosperity etc.?			7.5	Major future consequences		2.5			
	prosperity etc.:			10	Major immediate consequences					
2. Pub	lic Response									
				1	Less than 10%					
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Between 10% to 20%	5			
				7.5	Greater than 20%					
	lather support on a gracition for the			0	Majority opposition					
2.2	Is there support or opposition for the project from NGO's, community groups,	15	_	_	_	5	1	Minority opposition	Majority support	5
2.2	network, media or business organizations?		)	5	Majority support	Majority support	5			
	network, media or business organizations:			2.5	Minority support					
2.3			2.5	2.5	0	Majority opposition	Majority support	2.5		
2.3			2.3	0.5	Minority opposition	ινιαμοιτιγ δυρμοιτ	2.5			

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or opposition from			2.5	Majority support		
	residents in the immediate vicinity of the new facility?			1.5	Minority support		
3. Envi	ronmental Impact						
	The impact of the proposed project on the			0	Negative effects on quality of the local envir onment	Positive effects on the q	
3.1	quality of local environment (e.g. Air quality,	10	10	5	Neutral	uality of the local enviro	10
	Water pollution, Waste reduction, etc.			10	Positive effects on the quality of the local en vironment	nment	
4. Soci	o-Economic Impact						
				0	No direct revenue		
4.1	Will the project bring in direct revenue?		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	No direct revenue	0
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
		15		0	Negative impact on the local economy		
	Are there indirect economic benefits from this project in the long term, e.g. employment	15	7.5	2.5	Little or no long term economic development benefits	Little or no long term economic development benefits	
4.2	creation, investment generation, increase in land/property prices, reduction in citizens'			5	Additional investment in the area and increased wealth for citizens		2.5
	expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease	of Implementation						
5.1	Has land been acquired for the project (If		10	10	Yes	Yes	10
3.1	required)?		10	0	No	163	10
	Has funding been secured/allocated within the	30		5	Yes		
5.2	Local Government budget or whether the external sources of funding have been secured?		5	0	No	Yes	5
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			2.5	Standard		
	of Government?			5	Easy		
				1	Difficult		
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	standard	3
	technical design:			5	Easy		
				0	Outside expertise needed for construction,		
				U	O&M		
	Is there a capable system in place to implement			1	Outside expertise needed for construction p	Outside expertise neede	
5.5	and operate this project or is external support		5		hase only	d for construction phase	1
	needed?			3	Outside expertise needed for preparation p	only	
				,	hase i.e. feasibility studies		
				5	No outside expertise needed		
Total A	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. Proj	ect Purpose & Service Delivery Improvement					•	•	
	Door the president fill a good in a window syntam of			2.5	Minor contribution			
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5	
	Service delivery:			10	Significant contribution			
				0	No contribution.			
	Whether the project will contribute to Sectoral Plan			2.5	Indirect contribution.			
1.2	/ City Master Plan?	30	10	7.5	Minor direct contribution	Indirect contribution.	2.5	
	7 City Waster Flam:	30		10	Major contribution to key development goal.			
	Miles the self-self-self-self-self-self-self-self-			0	No consequences	Minor consequences		
1.3	Whether the deference/ delay of the project is		10	2.5	Minor consequences		2.5	
1.5	going to affect citizens' health, safety, property, prosperity etc.?			7.5	Major future consequences	Williof consequences	2.5	
	prosperity etc.:			10	Major immediate consequences			
2. Pub	lic Response							
					1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5	
				7.5	Greater than 20%			
	la the constraint on a constitution for the			0	Majority opposition			
2.2	Is there support or opposition for the project from NGO's, community groups,	15	5	1	Minority opposition	Majority support	5	
2.2	network, media or business organizations?		)	5	Majority support			
	network, media or business organizations:			2.5	Minority support			
2.3			2.5	0 Majority opposition	Majority support	2.5		
۷.5			2.5	0.5	Minority opposition	iviajority support	2.5	

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or opposition from			2.5	Majority support		
	residents in the immediate vicinity of the new facility?			1.5	Minority support		
3. Envi	ronmental Impact						
	The impact of the proposed project on the quality			0	Negative effects on quality of the local environment		
3.1	of local environment (e.g. Air quality, Water	10	10	5	Neutral	Neutral	5
	pollution, Waste reduction, etc.			10	Positive effects on the quality of the local e nvironment		
4. Soci	o-Economic Impact						
				0	No direct revenue		
4.1	Will the project bring in direct revenue?		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	Revenue exceeds O&M	7.5
				5	Revenue meets O&M costs	COSTS	
				7.5	Revenue exceeds O&M costs		
		15		0	Negative impact on the local economy		
	Are there indirect economic benefits from this		7.5	2.5	Little or no long term economic development benefits	Additional investment in the area and increased wealth for	
4.2	project in the long term, e.g. employment creation, investment generation, increase in land/property			5	Additional investment in the area and increased wealth for citizens		5
	prices, reduction in citizens' expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy	- citizens	
5. Ease	of Implementation						
5.1	Has land been acquired for the project (If		10	10	Yes	Voc	10
5.1	required)?		10	0	No	Yes	10
	Has funding been secured/allocated within the	30		5	Yes		
5.2	Local Government budget or whether the external sources of funding have been secured?	30	5	0	No	Yes	5
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			2.5	Standard		
	Government?			5	Easy		
	Face of implementation of project in respect of			1	Difficult		
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Easy	5
	tecimical design:			5	Easy		
			0	Outside expertise needed for construction,			
				0	O&M		
	Is there a capable system in place to implement			1	Outside expertise needed for construction	Outside expertise need	
5.5	and operate this project or is external support		5		phase only	ed for construction pha	1
	needed?			3	Outside expertise needed for preparation p	se only	
					hase i.e. feasibility studies		
				5	No outside expertise needed		
Total A	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. Proj	ect Purpose & Service Delivery Improvement						
	Does the project fill a gap in a wider system of			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?	10		7.5	Major contribution	Major contribution	7.5
	Scrince delivery:			10	Significant contribution		
				0	No contribution.		
	Whether the project will contribute to Sectoral			2.5	Indirect contribution.		
1.2	Plan / City Master Plan?	30	10	7.5	Minor direct contribution	Indirect contribution.	2.5
	Trainy ency master train.	30		10	Major contribution to key development goal.		
			10	0	No consequences	Minor consequences	
1.3	Whether the deference/ delay of the project is			2.5	Minor consequences		2.5
1.5	going to affect citizens' health, safety, property, prosperity etc.?			7.5	Major future consequences		2.5
	prosperity etc.:			10	Major immediate consequences		
2. Pub	lic Response						
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Between 10% to 20%	5
				7.5	Greater than 20%		
	la though a comparition for the			0	Majority opposition		
2.2	Is there support or opposition for the project from NGO's, community groups,	15	5	1	Minority opposition	Majority support	5
2.2	network, media or business organizations?		3	5	Majority support		
	netron, media or business organizations.			2.5	Minority support		
2.3			2.5	0	Majority opposition	Majority support	2.5
2.5			2.5	0.5	Minority opposition		2.5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or opposition from			2.5	Majority support		
	residents in the immediate vicinity of the new facility?			1.5	Minority support		
3. Envi	ronmental Impact						
	The impact of the proposed project on the			0	Negative effects on quality of the local environment	Positive effects on the q	
3.1	quality of local environment (e.g. Air quality,	10	10	5	Neutral	uality of the local enviro	10
	Water pollution, Waste reduction, etc.			10	Positive effects on the quality of the local e nvironment	nment	
4. Soci	o-Economic Impact						
				0	No direct revenue		
4.1	Will the project bring in direct revenue?		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	Direct revenue is not sufficient to meet O&M costs	2.5
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
		15		0	Negative impact on the local economy		
	Are there indirect economic benefits from this project in the long term, e.g. employment	15		2.5	Little or no long term economic development benefits	Little or no long term economic development benefits	
4.2	creation, investment generation, increase in land/property prices, reduction in citizens'		7.5	5	Additional investment in the area and increased wealth for citizens		2.5
	expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease	of Implementation						
5.1	Has land been acquired for the project (If		10	10	Yes	Yes	10
3.1	required)?		10	0	No	163	10
	Has funding been secured/allocated within the	30		5	Yes		
5.2	Local Government budget or whether the external sources of funding have been secured?	30	5	0	No	Yes	5
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			2.5	Standard		
	of Government?			5	Easy		
				1	Difficult		
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Standard	3
	technical design:			5	Easy		
				0	Outside expertise needed for construction,		
				U	O&M		
	Is there a capable system in place to implement			1	Outside expertise needed for construction	Outside expertise neede	
5.5	and operate this project or is external support		5	±	phase only	d for construction phase	1
	needed?			3	Outside expertise needed for preparation p	only	
				,	hase i.e. feasibility studies		
				5	No outside expertise needed		
Total A	Achieved Score						61.5

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

**Project Description :** Solarization of municipal buildings

Inde x	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Proj	ect Purpose & Service Delivery Improve	ement					
	Doos the project fill a gap in a wider			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5
	system of service delivery:			10	Significant contribution		
				0	No contribution.		
	Whether the project will contribute			2.5	Indirect contribution.	Major contribution to key	
1.2	to Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	development goal.	10
	to Sectoral Flamy City Waster Flam:	30		10	Major contribution to key development goal.	development goal.	
	Whether the deference/ delay of the			0	No consequences		
4.2	project is going to affect citizens'		40	2.5	Minor consequences		2.5
1.3	health, safety, property, prosperity		10	7.5	Major future consequences	Minor consequences	2.5
	etc.?			10	Major immediate consequences		
2. Pub	lic Response					•	
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Less than 10%	1
				7.5	Greater than 20%		
	Is there support or opposition for			0	Majority opposition		
	the	15		1	Minority opposition		
2.2	project from NGO's, community		5	5	Majority support	Majority support	5
	groups, network, media or business organizations?		,	2.5	Minority support	a,c.ity support	
2.3			2.5	0	Majority opposition	Majority support	2.5

Inde x	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or opposition from			0.5	Minority opposition		
	residents in the immediate vicinity			2.5	Majority support		
	of the new facility?			1.5	Minority support		
3. Envi	ironmental Impact						
	The impact of the proposed project			0	Negative effects on quality of the local envi	5 6	
3.1	on the quality of local environment	10	10	5	Neutral	Positive effects on the quality of the local environment	10
	(e.g. Air quality, Water pollution, Waste reduction, etc.			10	Positive effects on the quality of the local e nvironment	the local environment	
4. Soci	io-Economic Impact						
				0	No direct revenue		
4.1	Will the project bring in direct		7.5	7.5	Direct revenue is not sufficient to meet O&M costs	Revenue exceeds O&M costs	7.5
	revenue?			5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
	Are there indirect economic benefits	15		0	Negative impact on the local economy		
	from this project in the long term,	15		2.5	Little or no long term economic development benefits	Significant competitive	
4.2	e.g. employment creation, investment generation, increase in land/property prices, reduction in		7.5	5	Additional investment in the area and increased wealth for citizens	advantage to industry and boost to the local economy	7.5
	citizens' expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease	of Implementation						
5.1	Has land been acquired for the		10	10	Yes	Vos	10
J.1	project (If required)?		10	0	No	Yes	10
	Has funding been secured/allocated	30		5	Yes		
5.2	within the Local Government budget or whether the external sources of funding have been secured?	30	5	0	No	Yes	5

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

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

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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	the			2.5	Majority support		
	new facility?			1.5	Minority support		
3. Enviror	nmental Impact						
	The impact of the proposed project on the quality of local environment (e.g.			0	Negative effects on quality of the local environment	Positive effects on the q	
3.1	Air quality, Water pollution, Waste	10	10	5	Neutral	uality of the local enviro	10
	reduction, etc.			10	Positive effects on the qualit y of the local environment	nment	
4. Socio-E	conomic Impact						
				0	No direct revenue		
4.1	Will the project bring in direct revenue?		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	Revenue exceeds O&M costs	7.5
	will the project bring in an econocinae.			5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
		15		0	Negative impact on the local economy		
	Are there indirect economic benefits from this project in the long term, e.g.	13		2.5	Little or no long term economic development benefits	Significant competitive	
4.2	employment creation, investment generation, increase in land/property prices, reduction in citizens'		7.5	5	Additional investment in the area and increased wealth for citizens	advantage to industry and boost to the local economy	7.5
	expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease of	Implementation						
5.1	Has land been acquired for the project	30	10	10	Yes	Yes	10
J.1	(If required)?	30	10	0	No	163	10

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Has funding been secured/allocated			5	Yes		
5.2	within the Local Government budget or whether the external sources of funding have been secured?		5	0	No	Yes	5
	Mill the constant and annual forms			1	Difficult		
5.3	Will the project get approval from higher levels of Government?		5	2.5	Standard	Easy	5
	fligher levers of dovernment:			5	Easy		
	Ease of implementation of project in			1	Difficult		
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Easy	5
	respect of technical design:			5	Easy		
				0	Outside expertise needed fo r construction, O&M		
	Is there a capable system in place to			1	Outside expertise needed fo r construction phase only	Outside expertise neede	
5.5	implement and operate this project or is external support needed?		5	3	Outside expertise needed fo r preparation phase i.e. feas ibility studies	d for construction phase	1
				5	No outside expertise neede d		
Total Ach	ieved 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. Proje	ect Purpose & Service Delivery Improvem	ent						
	December annicest fill a gene in a suiden			2.5	Minor contribution			
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5	
	system of service delivery:			10	Significant contribution			
				0	No contribution.			
	Whether the project will contribute to			2.5	Indirect contribution.	Major contribution to key		
1.2	Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	development goal.	10	
	Sectoral Flam, City Master Flam:	30		10	Major contribution to key development goal.	development godi.		
	Whether the deference/ delay of the			0	No consequences	Minor consequences		
1.3	project is going to affect citizens'		10	2.5	Minor consequences		2.5	
1.5	health, safety, property, prosperity			7.5	Major future consequences		2.5	
	etc.?			10	Major immediate consequences			
2. Publi	ic Response							
				1	Less than 10%			
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Less than 10%	1	
				7.5	Greater than 20%			
	Is there support or opposition for the			0	Majority opposition			
	project from NGO's, community	15		1	Minority opposition			
2.2	groups,		5	5	Majority support	Majority support	5	
	network, media or business organizations?			2.5	Minority support			
2.3	Is there support or opposition from		2.5	0	Majority opposition	Majority support	2.5	
2.5	residents in the immediate vicinity of		2.5	0.5	Minority opposition	Majority support	2.5	

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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Will the project get approval from			2.5	Standard		
	higher levels of Government?			5	Easy		
	Face of implementation of project in			1	Difficult		
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Easy	5
	respect of technical design:			5	Easy		
				0	Outside expertise needed for constructio	0	
					n, O&M		
	Is there a capable system in place to			1	Outside expertise needed for constructio	Outside expertise needed for	
5.5	implement and operate this project or		5	<u>.</u>	n phase only	construction phase only	1
	is external support needed?			3	Outside expertise needed for preparatio	construction phase only	
				3	n phase i.e. feasibility studies		
				5	No outside expertise needed		
Total A	chieved 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. Proje	ect Purpose & Service Delivery Improvem	ent					
	Doos the project fill a gap in a wider			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5
	system of service delivery:			10	Significant contribution		
				0	No contribution.		
	Whether the project will contribute to			2.5	Indirect contribution.	Major contribution to key	
1.2	Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	development goal.	10
	Sectoral Harry City Waster Harrs	30		10	Major contribution to key development goal.	development godi.	
	Whether the deference/ delay of the			0	No consequences	Minor consequences	
1.3	project is going to affect citizens'		40	2.5	Minor consequences		2.5
1.5	health, safety, property, prosperity		10	7.5	Major future consequences		2.5
	etc.?			10	Major immediate consequences		
2. Publi	ic Response						
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Less than 10%	1
				7.5	Greater than 20%		
	Is there support or opposition for the			0	Majority opposition		
	project from NGO's, community	15		1	Minority opposition		
2.2	groups,		5	5	Majority support	Majority support	5
	network, media or business organizations?			2.5	Minority support		
2.3	Is there support or opposition from		2.5	0	Majority opposition	Majority support	2.5
2.3	residents in the immediate vicinity of		2.3	0.5	Minority opposition	Majority support	2.5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
	the			2.5	Majority support				
	new facility?			1.5	Minority support				
3. Envir	ronmental Impact								
	The impact of the proposed project on			0	Negative effects on quality of the local e nvironment	Desitive offerts on the guality			
3.1	the quality of local environment (e.g.	10	10	5	Neutral	Positive effects on the quality of the local environment	10		
	Air quality, Water pollution, Waste reduction, etc.			10	Positive effects on the quality of the loca I environment	of the local environment			
4. Socio	o-Economic Impact								
				0	No direct revenue				
4.1	Will the project bring in direct revenue?		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	Revenue exceeds O&M costs	7.5		
				5	Revenue meets O&M costs				
				7.5	Revenue exceeds O&M costs	1			
		45		0	Negative impact on the local economy				
	Are there indirect economic benefits from this project in the long term, e.g.	7.5	2.5	Little or no long term economic development benefits	Significant competitive				
4.2	employment creation, investment generation, increase in land/property		7.5	7.5	7.5	7.5	5	Additional investment in the area and increased wealth for citizens	advantage to industry and boost to the local economy
	prices, reduction in citizens' expenditures, etc.?				Significant competitive advantage to industry and boost to the local economy				
5. Ease	of Implementation								
5.1	Has land been acquired for the project		10	10	Yes	Yes	10		
J.1	(If required)?		10	0	No	163	10		
	Has funding been secured/allocated			5	Yes				
5.2	within the Local Government budget or whether the external sources of	30	5			Yes	5		
	funding have been secured?		_		No No		_		
5.3			5	1	Difficult	Easy	5		

Index	Question	Index Weight	Question Weight	Sub Possible Responses So		Selected Response	Achieved Score
	Will the project get approval from			2.5	Standard		
	higher levels of Government?			5	Easy		
	Face of implementation of project in			1	Difficult		
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Easy	5
	respect of technical design:				Easy		
				0	Outside expertise needed for constructio		
					n, O&M		
	Is there a capable system in place to			1	Outside expertise needed for constructio	Outside expertise needed for	
5.5	implement and operate this project or		5		n phase only	construction phase only	1
	is external support needed?			3	Outside expertise needed for preparatio	construction phase only	
				3	n phase i.e. feasibility studies		
				5	No outside expertise needed		
Total A	chieved 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. Proje	ect Purpose & Service Delivery Improvem	ent					
	Door the project fill a gap in a wider			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10		Major contribution	Major contribution	7.5
	system of service delivery:			10	Significant contribution		
				0	No contribution.		
	Whether the project will contribute to			2.5	Indirect contribution.	Major contribution to key	
1.2	Sectoral Plan / City Master Plan?	20	10	7.5	Minor direct contribution	development goal.	10
	Sectoral Harry City Waster Harrs	30	30		Major contribution to key development goal.	development godi.	
	Whether the deference/ delay of the				No consequences		
1.3	project is going to affect citizens'		10	2.5	Minor consequences	Minayanan	2.5
1.5	health, safety, property, prosperity			7.5	Major future consequences	Minor consequences	2.5
	etc.?			10	Major immediate consequences		
2. Publi	ic Response						
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Less than 10%	1
				7.5	Greater than 20%		
	Is there support or opposition for the			0	Majority opposition		
	project from NGO's, community	15		1	Minority opposition		
2.2	groups,		5		Majority support	Majority support	5
	network, media or business organizations?				Minority support		
2.3	Is there support or opposition from		2.5	0	Majority opposition	Majority support	2.5
2.3	residents in the immediate vicinity of		2.3	0.5	Minority opposition	Majority support	2.5

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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Will the project get approval from			2.5	Standard		
	higher levels of Government?			5	Easy		
	Face of implementation of project in			1	Difficult		
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard	Easy	5
	respect of technical design:			5	Easy		
				0	Outside expertise needed for constructio		
					n, O&M		
	Is there a capable system in place to			1	Outside expertise needed for constructio	Outside expertise needed for	
5.5	implement and operate this project or		5	<u>.</u>	n phase only	construction phase only	1
	is external support needed?			3	Outside expertise needed for preparatio	construction phase only	
				3	n phase i.e. feasibility studies		
				5	No outside expertise needed		
Total A	chieved 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. Proje	ct Purpose & Service Delivery Improvem	ent						
	Doos the project fill a gap in a wider			2.5	Minor contribution			
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5	
	system of service delivery:			10	Significant contribution			
				0	No contribution.			
	Whather the project will contribute to			2.5	Indirect contribution.	Major contribution to koy		
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	Major contribution to key development goal.	10	
	Sectoral Flam, City Master Flam:	30		10	Major contribution to key development goal.	development goal.		
	Whether the deference/ delay of the				No consequences			
1.3	project is going to affect citizens'		10	2.5	Minor consequences	Minor consequences	2.5	
1.3	health, safety, property, prosperity		10	7.5	Major future consequences		2.5	
	etc.?			10	Major immediate consequences			
2. Publi	c Response							
				1	Less than 10%			
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Less than 10%	1	
				7.5	Greater than 20%			
	Is there support or opposition for the			0	Majority opposition			
	project from NGO's, community	15		1	Minority opposition			
2.2	groups,	13	5	5	Majority support	Majority support	5	
	network, media or business organizations?			2.5	Minority support			
2.3	Is there support or opposition from		2.5	0	Majority opposition	Majority support	2.5	
2.5	residents in the immediate vicinity of		2.5	0.5	Minority opposition	Majority support	2.5	

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	the			2.5	Majority support		
	new facility?			1.5	Minority support		
3. Envir	ronmental Impact						
	The impact of the proposed project on			0	Negative effects on quality of the local e nvironment	Desiring officers and the smalling	
3.1	the quality of local environment (e.g. Air quality, Water pollution, Waste	10	10	5	Neutral	Positive effects on the quality of the local environment	10
	reduction, etc.			10	Positive effects on the quality of the loca I environment	of the local environment	
4. Socio	o-Economic Impact						
				0	No direct revenue		
4.1	.1 Will the project bring in direct revenue?		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	Revenue exceeds O&M costs	7.5
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
		45			Negative impact on the local economy		
	Are there indirect economic benefits from this project in the long term, e.g.	7.5		2.5	Little or no long term economic development benefits	Significant competitive	
4.2	employment creation, investment generation, increase in land/property			7.5	7.5	5	Additional investment in the area and increased wealth for citizens
	prices, reduction in citizens' expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease	of Implementation						
5.1	Has land been acquired for the project		10	10	Yes	Yes	10
J.1	(If required)?		10	0	No	1.03	
	Has funding been secured/allocated			5	Yes		
5.2	within the Local Government budget or whether the external sources of funding have been secured?	30	5	0	No	Yes	5
5.3	Turiumg have been secureu:		5	1	Difficult	Easy	5

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

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

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. Proj	ect Purpose & Service Delivery Improvement	•	•	•		•	•	
	December and set fill a new in a window system of			2.5	Minor contribution	Ciifit		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Significant contribution	10	
	service delivery:			10	Significant contribution	Contribution		
				0	No contribution.			
	Whether the project will contribute to Sectoral			2.5	Indirect contribution.	Major contribution to		
1.2	Plan / City Master Plan?	30	10	7.5	Minor direct contribution	key development	10	
	Trainy city waster rians	30		10	Major contribution to key development goal.	goal.		
			10	0	No consequences	Major immediate consequences		
1.2	Whether the deference/ delay of the project is			2.5	Minor consequences		10	
1.3	going to affect citizens' health, safety, property, prosperity etc.?			7.5	Major future consequences		10	
	prosperity etc.:			10	Major immediate consequences			
2. Pub	lic Response							
				1	Less than 10%			
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5	
				7.5	Greater than 20%			
	Lather the Control of	15		0	Majority opposition			
2.2	Is there support or opposition for the	15	Е	1	Minority opposition	Majority support	5	
۷.۷	project from NGO's, community groups, network, media or business organizations?		5	5	Majority support	Majority support		
	network, media or basiness organizations:				2.5	Minority support		
2.3			2.5	0	Majority opposition	Majority support	2.5	

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score			
	Is there support or opposition from			0.5	Minority opposition					
	residents in the immediate vicinity of the			2.5	Majority support					
	new facility?			1.5	Minority support					
3. Envi	ronmental Impact									
				0	Negative effects on quality of the local envir					
	The impact of the proposed project on the quality			0	onment	Positive effects on th				
3.1	of local environment (e.g. Air quality, Water	10	10	5	Neutral	e quality of the local	10			
	pollution, Waste reduction, etc.			10	Positive effects on the quality of the local en vironment	environment				
4. Soci	o-Economic Impact									
				0	No direct revenue	No direct revenue				
4.1	1 Will the project bring in direct revenue?		7.5	2.5	Direct revenue is not sufficient to meet O&M costs		0			
						5	Revenue meets O&M costs			
				7.5	Revenue exceeds O&M costs					
		45		0	Negative impact on the local economy					
	Are there indirect economic benefits from this project in the long term, e.g. employment	15		2.5	Little or no long term economic development benefits	Additional				
4.2	creation, investment generation, increase in land/property prices, reduction in citizens'				7.5	7.5	5	Additional investment in the area and increased wealth for citizens	investment in the area and increased wealth for citizens	5
	expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy	wealth for chizens				
5. Ease	of Implementation									
5.1	Has land been acquired for the project (If		10	10	Yes	Yes	10			
3.1	required)?		10	0	No	162	10			
	Has funding been secured/allocated within the	30		5	Yes					
5.2	Local Government budget or whether the external sources of funding have been secured?		5	0	No	Yes	5			

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

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

## Section 1: Policy, Legal and Administrative Framework

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

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

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

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

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

## **Regulatory Clearances, Punjab EPA**

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

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

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

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

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

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

## 1.3. Punjab Environmental Quality Standards (PEQS)

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

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

32 parameters of PEQSs for drinking water shall be applicable to all water supply schemes/ projects (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.

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

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  Disposal  1. Landfill sites  2. Waste Incinerators and autoclaves  3. Hazardous substance or waste storage warehouse
3.	Delegations of power for Environment Approvals Rule 2017	According to these rules the powers of environmental approval are delegated to commissioner for specific types of projects	<ul> <li>Under PCP the clause of h, n and o are applicable.</li> <li>clause h Construction of roads fallings within the jurisdiction of a district, expecting highways, expressways and motorways</li> <li>Clause o solid waste management excepting landfills</li> <li>Clause p water supply schemes /water purifications plants costing upto Rs. 20,000/-</li> </ul>

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 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.
		The cultural heritage laws of Pakistan are uniformly applicable to all categories of sites regardless of their	

Sr. #	Act	Description	Applicability to sub-project
8.	Punjab Restriction of Employment of Children Act, 2016	state of preservation and classification as monuments of national or world heritage.  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	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.	
		As per PLGA 2019 Functions of a Metropolitan	
		Corporation, Municipal Corporation and Municipal	
		Committee:	
		Part I	
		(g) Solid waste collection and disposal;	
	Punjab Local	(h) Sewerage collection and disposal including water	
13	Government Act, 2019	management and treatment;	All the related clauses of this Act shall be applicable for
13	dovernment Act, 2019	(i) Building control and land use;	MCs.
		(j) Births, deaths, marriages and divorce registration;	
		(k) Museums and art galleries;	
		(I) Open markets;	
		(m) Livestock and agriculture markets;	
		(n) Public parking facilities;	
		(o) City roads and traffic management;	

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 18 <sup>th</sup> 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).	
		These guidelines give details about disclosure of	
		environmental information. These guidelines have 2	
	Guidelines for Regulation	parts:	
	of Disclosure of	First part deals with Public Disclosure instructions	These guidelines will be applicable for public disclosure of
16	Environmental	regarding arrangement of public disclosure of	environment related information of IEEs/EIAs or any other
	Information & Citizen	environment information and maintenance of record in	interventions that may cause any harm to the
	Engagement 2020	indexed form	environment.
		Second part is regarding Citizen Engagement, and it gives	
		detailed information regarding citizen engagement and	
		Grievance redress mechanism.	
		The CDA focuses on construction and maintenance of	
		drainage channels and defines powers to prohibit	
		obstruction or order their removal. It also covers issues	
	Canal and Drainage Act	related to canal navigation. It briefly addresses issues	This act shall be applicable for all the subprojects of MCs
17	1873 and Amendment	relating to environmental pollution.	where untreated wastewater is being dispose off to the
	Act 2016	Section 70(5) of the CDA clearly states that no one is	irrigation canals.
		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."	

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."	
		The Act requires the protection of wildlife species	This act shall be applicable in case any harm to wildlife is
	Punjab Wildlife	declared as endangered/threatened and rare. It gives	assessed at the stage of early screening or if there is any
18	Protection, Conservation	protection to these species by declaring their natural	potential risk identified to the wildlife during or after
10	and Management Act,	living environment as protected and reserved, which	execution of the subprojects/projects related to
	1974	includes areas such as national parks, wildlife sanctuaries,	infrastructure development and municipal service
		and game reserves.	delivery.
		Punjab EPA has also designed the following	
		Guidelines/Checklists for IEE/EIA Projects:	Checklists for IEE and EIA shall be applicable to all the new
		Check List for IEE (updated September 2020)	infrastructure development projects.
		Check List for EIA (updated September 2020)	Following Guidelines shall be applicable for MC's
	Guidelines and Checklists	After 18 <sup>th</sup> Amendment, Punjab EPA has adopted the	municipal service delivery projects:
19	adopted by GOP after	following sectoral Guidelines that were prepared by	✓ Urban Roads
	18th Amendment	other provinces and were earlier adopted by Pak EPA:	✓ Water Supply
		✓ Poultry Farms	✓ Sanitation Schemes
		✓ Urban Roads	✓ Major Sewerage Schemes
		✓ Rural Schools	
		✓ Housing 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
			Waste Manageme	nt		
	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
1.		Community septic tanks	May have some negative but localized environmental and social impacts	E2	S2	ESMP
		Vacuum Trucks, Vacuum Handcarts and others	Negligible environmental impacts	E3	S3	NA
		Construction of Waste Water Treatment Plants	May have significant environmental impacts	E1	S2/S1	IEE/EIA as per nature of impacts and Schedule I and II of PEPA Review of IEE/EIA Regulations 2022.

Sr. #	Project Categories	Type of Sub-projects	Nature of Environmental Issues	Env. Category	Social Category	Instruments Required			
2.		•	Water Supply						
		Water supply pumps / tube wells	May have negligible environmental impacts	E3	S3	NA			
		Overhead reservoirs (OHRs)	May have negligible environmental impacts	E2	S2	ESMP			
		Water Supply distribution	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 sy	rstems	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 <sup>4</sup>		May have some negative but localized environmental and social impacts	E2	S2S	ESMP
	Pedestrian walk	ways, Bicycle paths	May have negligible environmental impacts	E2	S2	ESMP
	Streets and secu	rity lights, and road signs	ights, and road signs May have negligible environmental impacts E3 S		S3	NA
	Construction of I	May have some negative but lo environmental and social impact		E2	S2	ESMP
	Rehabilitation of	Bus Stands/Terminals <sup>5</sup>	May have negligible environmental impacts	E2	E2	ESMP
5.			Social and Livability Infra	structure		
	Urban greenery	and public spaces	May have negligible environmental impacts	E2	S2	ESMP
	Construction of (	Community Parks <sup>6</sup>	May have some negative but localized environmental and social impacts	E2/E1	S2/S1	ESMP/IEE/EIA
	Rehabilitation /N	Maintenance of Community	May have negligible environmental impacts	E2	S2	ESMP

4

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

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

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

# **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 I	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 of Parks 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	

			Costs			Ben	efits			PV @ %	22.32
Year No.	Year	Capital Cost	O&M Cost	Total Cost	Cost saving to society	Direct Revenue	Cost Savings/ Reduction	Total Benefits	Net (Cost)/ Benefits	Discount Factor	PV
		А	В	C=A+B	D	Е	F	G=D+E+F	H=G-C	l=(1.22.32)^n	J=Hxl
0	2023-2024	50.00		50				-	(50)	1	(50)
1	2024-2025		=	-			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		•	-				-	ı	0.01	-
	Total	50	-	50	-	-	2,405	2,405	2,355		77

**Municipal Committee Kamalia** 

#### **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.
- <sup>5</sup> 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/	0.5
Transmission Mains	25
Sewerage/ RCC Pipelines	25
Vehicles	10
Machinary & Equipment	15

#### Macro-economic Indicators

- 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	

		Costs				Ben	efits			PV @ %	22.32
Year No.	Year	Capital Cost	O&M Cost	Total Cost	Cost saving to society	Direct Revenue	Cost Savings/ Reduction	Total Benefits	Net (Cost)/ Benefits	Discount Factor	PV
		Α	В	C=A+B	D	E	F	G=D+E+F	H=G-C	l=(1.22.32)^n	J=Hxl
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
Ţ	otal	600	3,268	3,868	8,382	-	-	8,382	4,514		(249)

**Municipal Committee Kamalia** 

#### **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.
- <sup>5</sup> 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/	25
Transmission Mains	25
Sewerage/ RCC Pipelines	25
Vehicles	10
Machinary & Equipment	15

#### Macro-economic Indicators

- 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	

		Costs			Benefits					PV @ %	22.32
Year No.	Year	Capital Cost	O&M Cost	Total Cost	Cost saving to society	Direct Revenue	Reduction	Total Benefits		Discount Factor	PV
		Α	В	C=A+B	D	Е	F	G=D+E+F	H=G-C	l=(1.22.32)^n	J=Hxl
0	2023-2024	50.00	0.25	50				-	(50)	1	(50)
1	2024-2025		0.29	0	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 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
7	Γotal	50	74	124	2,794	-	-	2,794	2,670		75

**Municipal Committee Kamalia** 

#### **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.
- <sup>5</sup> 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/	05	
Transmission Mains	25	
Sewerage/ RCC Pipelines	25	
Vehicles	10	
Machinary & Equipment	15	

#### Macro-economic Indicators

- 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

Project Description: Solarization of Tube wells and Water Supply System

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

			Costs			Ben	efits			PV @ %	22.32
Year No.	Year	Capital Cost	O&M Cost	Total Cost	Cost saving to society	Direct Revenue	Cost Savings/ Reduction	Total Benefits	Net (Cost)/ Benefits	Discount Factor	PV
		Α	В	C=A+B	D	E	F	G=D+E+F	H=G-C	l=(1.22.32)^n	J=Hxl
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
	2046-2047		23.33	23	884.03			884	861	0.01	8
	2047-2048		27.09	27	1,026.54			1,027	999	0.01	8
Т	otal	150	222	372	8,382	-	-	8,382	8,010		226

# Municipal Committee Kamalia

#### **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.
- <sup>5</sup> 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/	05	
Transmission Mains	25	
Sewerage/ RCC Pipelines	25	
Vehicles	10	
Machinary & Equipment	15	

#### Macro-economic Indicators

- 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	t 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	enefit Cost Ratio (BCR) BCR= Total Benefits ÷ Total Costs		Ratio	9.13	
4	Payback Period	PBP= Capital costs ÷ Annual Net Benefits	Years	7.25	

			Costs			Ben	efits			PV @ %	22.32
Year No.	Year	Capital Cost	O&M Cost	Total Cost	Cost saving to society	Direct Revenue	Cost Savings/ Reduction	Total Benefits	Net (Cost)/ Benefits	Discount Factor	PV
		Α	В	C=A+B	D	E	F	G=D+E+F	H=G-C	l=(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
1	otal	113	579	692	6,316	-	-	6,316	5,624		150

# Municipal Committee Kamalia

#### **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.
- <sup>5</sup> 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/	25		
Transmission Mains	25		
Sewerage/ RCC Pipelines	25		
Vehicles	10		
Machinary & Equipment	15		

### Macro-economic Indicators

- 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**



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)

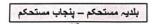
	Summary of Cost					
Sub Head No	Sub Head	Total Cost				
1	Man power (Annex-A-2)	9,195,000				
2	Electricity charges (Annex-B-2)	16,823,326				
3	Repairs & Replacements (Annex-C-2)	3,955,000				
4	Supply items (Annex-D-2)	-				
	POL	3,982,500				
	Contingencies	-				
	Grand Total	33,955,826				
	Grand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







# 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		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
3	Suzuki	SR 308 PK 491322	N.A	Mini Tipper
4	Suzuki	SR 308 PK491318	N.A	Mini Tipper
5	Dosan	140-W	N.A	Wheel Excavator

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