

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 Khanewal May 2023







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

### 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%

Sr.	Sectors/ Projects	Annual O&M Cost (%age of Capital Cost)
9	Bus stand	2.50%
10	Slaughterhouse	2.50%
11	Storm water drainage;	1%
12	Municipal libraries;	0.5%
13	Solarization	0.5%

#### 5. Financial Capacity Analysis

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

#### 6. Project Screening & Phasing

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

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

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

### 1.4. Technical Inputs, Assumptions and Limitations

- The initial information of existing assets was obtained from PMDFC and MC Khanewal. 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 Khanewal. 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 Khanewal 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:
  - o Served and built-up areas for different sectors were calculated from the relevant sectors' maps;
  - o 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;
  - o Daily water supplied to the distribution system was calculated on the basis of capacity of tubewell and average daily operational hours of tubewell:
  - o 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;
  - o Total number of sewerage blockages was computed on the basis of number of complaints received by MC. It was assumed that one complaint represented one sewerage blockage; and

- The total annual operating expenses for each sector were determined based on the expenditure report provided by the MC staff, which covered nine (9) months' worth of data. To obtain the annual operating expenses, an extrapolation method was used to estimate the remaining three (3) months' expenditures.
- Target level of services were determined considering the findings from condition assessment, findings of energy audit reports, findings from gap analysis reports, consultative sessions with MC management and community.
- PMDFC has actively engaged in community consultative sessions to gather valuable insights into the needs and desires of the local community. Furthermore, we have made it a priority to consult with the management and staff of the respective Municipal Committees (MCs) during our field visits. This collaborative approach has allowed us to gain valuable perspectives from those directly involved in the day-to-day operations of the MCs and the feedback and insights gathered from these consultative sessions, both with the community and MC stakeholders, have been carefully analyzed and incorporated into the IDAMPs of the respective MCs.
- Projects (repair/ rehabilitation/ new creation) were identified in consultation with the respective Asset Managers keeping in view the service delivery gaps.
- Rrough cost estimates (Capital and Operational & Maintenance) was performed on the basis of Market Rating System (MRS) and Non MRS rates of items.
- Identified projects were evaluated on the basis of project screening and phasing criteria prescribed in the IDAMP Framework.
- The cost and book values of the MC assets have been provided by PMDFC staff.

## Overview - Municipal Committee Khanewal

## Section 2. Overview - Municipal Committee Khanewal

### 2.1. Introduction

Khanewal an old sub division of Multan district was upgraded as district w.e.f 1st July 1985 comprising 4 sub divisions namely Khanewal, Kabirwala, Mian Channu and Jahanian. The present city of Khanewal was not more than a village before the year 1911 but in the year 1919 it was given the status of an area committee which was upgraded as Unit Khanewal in the year 1933. In the year 1904 a railway colony was setup here and Multan Faisalabad railway line was started. Resultantly it became an important railway junction which played an important role in development of this town.<sup>1</sup>

## 2.2. Functions of Municipal Committee Khanewal

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

<sup>&</sup>lt;sup>1</sup> https://mckhanewal.lgpunjab.org.pk/about-us/history/

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

## 3 Existing Asset Inventory Analysis

## Section 3. Existing Asset Inventory Analysis

Over the years, MC Khanewal 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

Sr No.	Asset Category	Asset Sub-Category	Unit	Total
		Tube wells	No.	19
		Water Supply Network	Meter	150603
1	Water Supply System	OHR	No.	5
		Filtration Plants	No.	18
		Movable Assets (Vehicles/Machinery)	No.	2
	Sewerage System	Sewerage Network		202401
2		Disposal Stations		8
		Movable Assets (Vehicles/Machinery)	No.	68
3	Recreational	Park	No.	4
4	SWM Posource	Dumping Site	No.	1
4	SWM Resource	Movable Assets (Vehicles/Machinery)	No.	632
5	Bus Stands	Bus Stand	No.	2
-	Duildings	Offices	No.	1
6	Buildings	Other Buildings	No.	21
7	Lands	Open Plots	No.	75
8	Office Vehicles	Office Vehicles	No.	5

Sr No.	Asset Category	Asset Sub-Category	Unit	Total
9	Street Lights	Street Lights	No.	1778
10	Roads	Roads	KMs	25.2
11	Slaughter House	Slaughter House	No.	1

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

Table 1: Asset Summary

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

## 3.2. Condition of Existing Assets

The condition of assets of MC is presented below:

Table 2: Condition of Existing Assets

				Asset Condition					
Sr No.	Asset Category	Asset Sub-Category	Excellent (A)	Good (B)	Fair (C)	Poor (D)	Failing (E)	Unit	Total
		Tube wells	-	9	1	1	8	No.	19
		Water Supply Network	90361	-	-	-	60242	Meter	150603
1	Water Supply System	OHR	-	-	2	3	-	No.	5
		Filtration Plants	-	3	11	4	-	No.	18
		Movable Assets (Vehicles/Machinery)	-	-	2	-	-	No.	2
		Sewerage Network	48157	-	154244	-	-	Meter	202401
2	Sewerage System	Disposal Stations	-	2	2	4	-	No.	8
	Jenerage System	Movable Assets (Vehicles/Machinery)	-	-	68	1	-	No.	68
3	Recreational	Park	1	-	3	-	-	No.	4

			Asset Condition						
Sr No.	Asset Category	Asset Sub-Category	Excellent (A)	Good (B)	Fair (C)	Poor (D)	Failing (E)	Unit	Total
4	SWM Resource	Dumping Site	-	-	1	-	-	No.	1
4	4 SWM Resource	Movable Assets (Vehicles/Machinery)	590	7	31	4	-	No.	632
5	Bus Stands	Bus Stand	-	-	1	1	-	No.	2
6	Buildings	Offices	-	-	-	1	-	No.	1
6	Buildings	Other Buildings	-	20	1	-	-	No.	21
7	Lands	Open Plots	-	-	75	-	-	No.	75
8	Office Vehicles	Office Vehicles	-	-	1	4	-	No.	5
9	Street Lights	Street Lights	608	-	-	-	1170	No.	1778
10	Roads	Roads	-	-	9.4	15.8	-	KMs	25.2
11	Slaughter House	Slaughter House	-	-	1	-	-	No.	1

## Level of Services (LOS)

## Section 4. Level of Services (LOS)

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

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

The current and target level of service for MC Khanewal 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 Coverage by MC %	Percentage of area, where water supply network is available in comparison to total built up area.	48%	48%		
	Water Supply Coverage by private wells %	Percentage of area, where residents have own water sources.	52%	52%		
Water supply and control and development of water sources;	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.	4	4		
	Non-revenue water %	Difference between total water produced (ex -treatment plant) and total water sold expressed as a percentage of total water produced.	98%	98%		

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS for three years	Project Name	Timeframe (FY)
	Pipe breaks (Leakages/Breaks /Km)	Total number of pipe leakages/breaks per year expressed per km of the water distribution network.	0.08	0.08		
	Unit operational cost - water sold (production cost at consumer end) (PKR)	Total annual operating expenses divided by the total annual volume of water sold.	0.07	0.06	Solarization of Tube wells and Water Supply System	2023-2024
	Water supply staff per 1000 water connections (No.)	Total number of water supply staff expressed as per thousand water connections.	6.6	6.6		
	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.	41%	41%		
	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.	55%	47%	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.	11%	Conformanc e with the requirement s of NEQ	Rehabilitation of Filtration Plant	2023-2024
	Continuity of Service Hrs. / Day	Average hours of service per day for water supply. (Average operational hours of tube well per day)	3	3		
	Water Supply Complaints %	Total number of water supply complaints per year expressed as a percentage of the total number of water supply connections.	1%	0.5%	Rehabilitation of Filtration Plant	2023-2024

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS for three years	Project Name	Timeframe (FY)						
	Operational cost coverage (Ratio)	Total annual operational revenues/Total annual operating cost.	2%	2.3%	Solarization of Tube wells and Water Supply System	2023-2024						
	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)	35%	60%	Improvement of		•	•	,	,	•	2023-2026
	Risk of crown failure	Whether there is an indication of crown failure?	Yes	No	System and WWTP							
	Sewerage blockages (Blockages/KM) (No.)	Total number of blockages/ complaints per year expressed per km of sewers	4	1.91								
	Sewerage staff per 1000 sewerage connections (No.)	Total number of sewerage staff expressed as per thousand sewerage connections	0.44									
Sewage and sewage treatment and disposal;	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.	N/A	100%								
	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.	N/A	100%	Improvement of Existing Sewerage System and WWTP	2023-2026						
	Sewerage Complaints (%)	Total number of sewerage complaints per year expressed as a percentage of the total number of sewerage connections.	2.4%	Reduced number of complaints								

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS for three years	Project Name	Timeframe (FY)
Storm water drainage;	Storm water drainage coverage (%)	The percentage of MC area that the drainage system protects from flooding.	35%	60%	Improvement of Existing Sewerage System and WWTP	2023-2026
	Collection efficiency (%)	Total amount of solid waste collected expressed as a percentage of total solid waste produced.	65%	65%		
	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%		
solid waste collection and disposal of solid wastes,	Primary SWM Coverage each day in localities (%)	Percentage of area from which the sanitary staff sweeps & collects waste each day	65%	65%		
	Primary SWM Coverage each day in Roads (%)	Primary SWM Coverage each day in Roads	65%	65%		
treatment and	Open Collection Points (No.)	Open Collection Points	114	114		
disposal including landfill	Secondary collection machinery (No.)	Secondary collection machinery	11	11		
site and recycling plants;	Adequacy of parking facilities for SWM vehicles	Adequacy of parking facilities for SWM vehicles	Yes	Yes		
	Waste transported in covered vehicles	Waste transported in covered vehicles	No	No		
	Sufficiency of existing dumping area (Landfill site).	Sufficiency of existing dumping area (Landfill site).	Yes	Yes		
	Mechanism for Final Disposal	Is there any mechanism for final disposal?	No 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.	О%	0%	Improvement/Rehabilit ation of Roads	2023-2024

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS for three years	Project Name	Timeframe (FY)
	Roads with condition "B" (Good) %	Total length of roads with condition "B" expressed as a percentage of total roads.	0%	43%		
	Roads with condition "C" (Fair) %	Total length of roads with condition "C" expressed as a percentage of total roads.	37%	37%		
	Roads with condition "D" (Poor) %	Total length of roads with condition "D" expressed as a percentage of total roads.	63%	20%		
	Roads with condition "E" (Failing) %	Total length of roads with condition "F" expressed as a percentage of total roads.	0%	0%		
	Streetlight coverage. (%)	Percentage of area/roads with streetlights.	24.4%	24.4%		
Streetlighting;	Working Streetlight %	Percentage of working streetlights as of total streetlights.	34%	100%	Provision and installation of Street Lights in MC	2025-2026
	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. %	0.1%	0.1%		
Parks, Playgrounds, Open spaces;	Parks with condition "A" (Excellent) %	Parks with condition "A" expressed as a percentage of total parks.	25%	42%	Rehabilitation / Improvement of Yousaf Park	2024-2025
Tpon spaces,	Parks with condition "B" (Good) %	Parks with condition "B" expressed as a percentage of total parks.	0%	50%	1. Rehabilitation / Improvement of City Park 2. Rehabilitation / Improvement of Fazal Park	2025-2026 2023-2024

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS for three years	Project Name	Timeframe (FY)
	Parks with condition "C" (Fair) %	Parks with condition "C" expressed as a percentage of total parks.	75%	8%		
	Parks with condition "D" (Poor) %	Parks with condition "D" expressed as a percentage of total parks.	0%	Ο%		
	Parks with condition "E" (Failing) %	Parks with condition "E" expressed as a percentage of total parks.	0%	Ο%		
	Parks as percentage of total MC area. %	Parks as percentage of total MC area. %	0.3%	0.3%		
	Graveyards as percentage of total MC area. %	Graveyards as percentage of total MC area. %	0%	Ο%		
	Graveyards with condition "A" (Excellent) %	Total area of graveyards with condition "A" expressed as a percentage of total area of graveyards.	О%	Ο%		
	Graveyards with condition "B" (Good) %	Total area of graveyards with condition "B" expressed as a percentage of total area of graveyards.	0%	Ο%		
Graveyards;	Graveyards with condition "C" (Fair) %	Total area of graveyards with condition "C" expressed as a percentage of total area of graveyards.	0%	Ο%		
	Graveyards with condition "D" (Poor) %	Total area of graveyards with condition "D" expressed as a percentage of total area of graveyards.	0%	Ο%		
	Graveyards with condition "E" (Failing) %	Total area of graveyards with condition "E" expressed as a percentage of total area of graveyards.	0%	Ο%		
Transport stations, stops,	Ratio of bus stations to the total length of roads	Ratio of bus stations to the total length of roads	`1:22	`1:22		

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS for three years	Project Name	Timeframe (FY)
stands and terminals;	Adequacy of facilities at bus stands	Adequacy of facilities at bus stands	Yes	Yes		
	Adequacy of slaughterhouses	Adequacy of slaughterhouses keeping in view the population of the MC	Yes	Yes		
Slaughterhouse;	Adequacy of facilities in slaughterhouses	Adequacy of facilities in slaughterhouses in terms of tools, disinfectants, refrigeration/ storage systems, drainage and disposal facility, etc.	No	No		
	Total number of Libraries per 100,000 persons	Total number of Libraries per 100,000 persons	NIL	NIL		
Municipal ibraries;	Adequacy of facilities in library	Adequacy of facilities in library in terms of books, computers, furniture, airconditioning, lighting, drinking water etc.	N/A	N/A		
	Buildings with condition "A" (Excellent) %	Total number of buildings with condition "A" expressed as a percentage of total number of buildings.	0%	O%		
	Buildings with condition "B" (Good) %	Total number of buildings with condition "B" expressed as a percentage of total number of buildings.	91%	91%		
Buildings	Buildings with condition "C" (Fair) %	Total number of buildings with condition "C" expressed as a percentage of total number of buildings.	4.5%	4.5%		
	Buildings with condition "D" (Poor) %	Total number of buildings with condition "D" expressed as a percentage of total number of buildings.	4.5%	4.5%		
	Buildings with condition "E" (Failing) %	Total number of buildings with condition "E" expressed as a percentage of total number of buildings.	0%	0%		

Functions of MCs (municipal services)	Level of Service Indicators	Description	Current LOS	Target LOS for three years	Project Name	Timeframe (FY)	
	Solar Penetration Index (SPI) %	The Solar Penetration Index (SPI) measures the percentage of MC office buildings that have successfully undergone solarization.	О%	100%	Solarization of the municipal buildings	2023-24	

#### Notes:

- While achieving the target level of service, MC shall ensure conformance with applicable laws and regulations including but not limited to land use planning, building control, environmental and social considerations.
- Environmental and social considerations are provided in Annex D.
- Comprehensive list of LOS indicators is provided in IDAMP Framework, please refer to section 5, however, certain LOS indicators are not applicable to MC Khanewal 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.

## 5IDAMP 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	-26	Project
Sr. No.	Project ID	Project Name	Asset Category	Capital Cost	Capital	O&M	Capital	O&M	Capital	O&M	Screening
						(N	(lillions				(Score)
1	03-14-01-04- 01	Rehabilitation of Filtration Plant	Water Supply	18.00	18.00	1.80		1.80		1.80	81
2	03-14-01-04- 02	Improvement of Water Supply scheme	Water Supply	5.50	0.28			0.28		0.28	81
3	03-14-01-06- 01	Construction of Underground Water Storage Tank	Water Supply	600.00	150.00		300.00		150.00	15.00	81
4	03-14-02-01- 01	Improvement of Existing Sewerage System and WWTP	Sewerage	850.00	425.00		425.00	21.25		21.25	79
5	03-14-05-01- 01	Rehabilitation / Improvement of Yousaf Park	Parks	80.00			80.00	2.00		2.00	74

				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)
6	03-14-04-03- 01	Provision and installation of Street Lights in MC	Streetlights	13.55					13.55	0.34	60
7	03-14-06-01- 01	Solarization of the municipal buildings	Buildings	300.00	300.00	1.50		1.50		1.50	80
8	03-14-01-01- 01	Solarization of Tube wells and Water Supply System	Water Supply	140.00	140.00	0.70		0.70		0.70	87
9	03-14-05-01- 02	Improvement/Rehabilitation of Fazal Park	Parks	197.38	197.38	4.93		4.93		4.93	80
10	03-14-04-01- 01	Improvement and Construction of Roads in MC Khanewal	Roads	231.90	231.90	11.60		11.60		11.60	80
11	03-14-04-01- 02	Improvement/Rehabilitation of Road (Jaswant Nagar Chowk to Tea factory Road)	Roads	166.98	166.98	8.35		8.35		8.35	80
12	03-14-04-01- 03	Improvement/Rehabilitation of Road (Tuff Pavers)	Roads	100.00	100.00	5.00		5.00		5.00	80
13	03-14-02-02- 01	Solarization of Tubewells and Disposal Stations in Khanewal City	Sewerage	114.99	114.99	0.57		0.57		0.57	80
		Total.		2,818.30	1,844.53	34.45	805.00	57.98	163.55	73.32	

## 5.1. Detail of proposed projects:

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

Table 5: Projects Detail

Sr. No.	Project ID	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (PKR million)	Recurrent Annual O&M Cost (PKR million)	Project Location
1	03-14- 01-04-01	Water Supply	Rehabilitation of Filtration Plant	Improve water quality standards. Increase the capacity of the filtration system. Reduce maintenance and operating costs. Improve the reliability of the filtration system. Extend the lifespan of the filtration system. Ensure compliance with regulatory requirements. Enhance public health and safety. Increase the efficiency of the filtration process. Reduce the risk of waterborne illnesses. Improve the overall performance of the filtration system.	Replacement of filters, vessels membranes, some taps,	18	1.8	Various Location
2	03-14- 01-04-02	Improvement of Water Supply scheme	Water Supply	Rehabilitation of the components of existing water supply system to attain full efficiency out of these installations.     Supply of adequate quantity of	► Replacement of 1 pumpsets ► Installation of capacitors	5.5	0.275	MC Khanewal

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

Sr. No.	Project ID	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (PKR million)	Recurrent Annual O&M Cost (PKR million)	Project Location
3	03-14-	Water Supply	Construction of Underground	water in water shortage areas. 3) Improvement of service delivery level in the entire city. 4) Augmentation of the source capacity 5) Equal distribution of water in the entire system 6) Improvement of terminal pressure at remote ends of the distribution system 7) Reduction of water borne diseases. 8) Improvement in local and province economy. The main objectives are	Design and Engineering	600	15	MC Whomawal
	01-06-01		Water Storage Tank	- 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	Site Preparation Excavation and Earthwork Foundation Works Masonary Works Coation and Insulation Piping and Connection Concrete Works			Khanewal
4	03-14- 02-01-01	Sewerage	Improvement of Existing Sewerage System and WWTP	1. To implement prioritized, need based and most cost-effective municipal service infrastructure sub projects for the year 2032. 2. To improve the service delivery level for the entire growing population of the city. 3. Protecting drinking water sources from contamination by waterborne	1.Rehabilitation of existing sewerage system 2.Rehabilitation of existing disposal stations 3.Construction of sewerage network in unserved areas	850	21.25	MC Khanewal

Sr. No.	Project ID	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (PKR million)	Recurrent Annual O&M Cost (PKR million)	Project Location
				waste 4. Improvement of the environment of the city making it livable. 5. To improve the economic growth of the city.	4.WWTP 5.Construction of new disposal stations			
5	03-14- 05-01-01	Parks	Rehabilitation / Improvement of Yousaf Park	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.	Park required Drinking water coolers Washroom Renovations Prayer Room Dust Bins Exercise Facility Tuck Shop Gazebo	80	2.00	MC Khanewal
6	03-14- 04-03-01	Streetlights	Provision and installation of Street Lights in MC	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.	Replacement of LED Lights - 200 Nos. Replacement of street lights - 709 Nos.	13.545	0.34	Various streets and roads in MC

Sr. No.	Project ID	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (PKR million)	Recurrent Annual O&M Cost (PKR million)	Project Location
				Improve reliability and reduce maintenance downtime. Ensure compliance with regulatory requirements. Increase the lifespan of the street lighting system.				
7	03-14- 06-01-01	Solarization of the 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. c) Cut Down Energy Costs: Utilizing solar energy can significantly reduce reliance on conventional grid electricity, resulting in long-term cost savings and improved financial viability.	Solarization of the municipal buildings based on the site load and installation capacity assessment	300	1.5	MC Khanewal

Sr. No.	Project ID	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (PKR million)	Recurrent Annual O&M Cost (PKR million)	Project Location
8	03-14- 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.	140	0.7	MC Khanewal
9	03-14- 05-01-02	Parks	Improvement/Rehabilitation of Fazal Park	1.The project's main objective is to rehabilitate the existing park with the upgradation to the existing & new facilities to provide the local community a recreational space with all the allied facilities.  2. The project also aims to construct a green space equipped with all the facilities that should be provided in a thriving neighborhood.  3. To create safe neighborhoods for the people.  4. To create valuable green spaces.	<ul> <li>▶ Boundary wall with iron grill</li> <li>▶ Entrance gates</li> <li>▶ Ramps for PWDs</li> <li>▶ Tuff tile pathways</li> <li>▶ Jogging track</li> <li>▶ Landscaping</li> <li>▶ Plantation/vegetation cover of indigenous species</li> <li>▶ Gazebos</li> <li>▶ Public toilets</li> <li>▶ Rainwater recharge well</li> </ul>	197.384	4.94	Fazal Park Road near Khanewal Stadium

Sr. No.	Project ID	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (PKR million)	Recurrent Annual O&M Cost (PKR million)	Project Location
				5. To enhances the aesthetic beauty of the city. 6. To contribute the health and wellness of the community. 7. Ornamental plants, green areas & rain water harvesting structures.	➤ Shopping and sitting area ➤ Playing area for children ➤ Security guard room ➤ Grassing and flower beds ➤ Gardener Room ➤ Prayer Room ➤ Store ➤ Bird cage ➤ Provision of lighting and electrical arrangements ➤ Construction of new water supply & drainage system and connection with existing network ➤ Percolation Well			
10	03-14- 04-01-01	Roads	Improvement and Construction of Roads in MC Khanewal	The Project has the following objectives;  1. Improvement of service delivery level of the municipal services in the sector of communication.  2. Better travelling facilities for the commuters.  3. Reduction in road accidents.  4. Saving in travelling and repair cost of the vehicles.  5. Reduction in annual maintenance charges of roads and parks	Geometric Improvement and Rehabilitation of Existing Pavement Structure, Pavement Marking, Street Lighting, Improvement of drainage system	231.9	11.59	1. SP- Chowk to Jaswant Nagar Chowk 2. SP Chowk to Railway Station Chowk to Underpass 3.

Sr. No.	Project ID	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (PKR million)	Recurrent Annual O&M Cost (PKR million)	Project Location
				<ul> <li>6. Better lit roads and streets adding to security of people travelling at night.</li> <li>7. Improvement in environments of the city making them livable.</li> <li>8. Improvement in local and province economy.</li> <li>9. Improvement in the economic growth potential of the city.</li> </ul>				Football Chowk to Stadium Road
11	03-14- 04-01-02	Roads	Improvement/Rehabilitation of Road (Jaswant Nagar Chowk to Tea factory Road)	The Project has the following objectives;  1. Improvement of service delivery level of the municipal services in the sector of communication.  2. Better travelling facilities for the commuters.  3. Reduction in road accidents.  4. Saving in travelling and repair cost of the vehicles.  5. Reduction in annual maintenance charges of roads and parks  6. Better lit roads and streets adding to security of people travelling at night.  7. Improvement in environments of the city making them livable.  8. Improvement in local and province economy.	Jaswant Nagar Chowk to Tea factory Road	166.98	8.349	Jaswant Nagar Chowk to SP Chowk & SP Chowk to Underpass road, Khanewal

Sr. No.	Project ID	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (PKR million)	Recurrent Annual O&M Cost (PKR million)	Project Location
				9. Improvement in the economic growth potential of the city.				
12	03-14- 04-01-03	Roads	Improvement/Rehabilitation of Road (Tuff Pavers)	The Project has the following objectives;  1. Improvement of service delivery level of the municipal services in the sector of communication.  2. Better travelling facilities for the commuters.  3. Reduction in road accidents.  4. Saving in travelling and repair cost of the vehicles.  5. Reduction in annual maintenance charges of roads and parks  6. Better lit roads and streets adding to security of people travelling at night.  7. Improvement in environments of the city making them livable.  8. Improvement in local and province economy.	Tuff tiles in main bazar of MC Khanewal	100	5	MC Khanewal

Sr. No.	Project ID	Service Sector	Project Name	Project Objectives	Project Scope	Capital Cost (PKR million)	Recurrent Annual O&M Cost (PKR million)	Project Location
				9. Improvement in the economic growth potential of the city.				
13	03-14- 02-02-01	Sewerage	Solarization of Tubewells and Disposal Stations in Khanewal City	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 and Disposal Stations based on the site load and installation capacity assessment	114.991	0.575	Khanewal City

# 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 Khanewal is given below.

Table 6: Financial Projections

#### **Amount in PKR Million**

Year	202	3-24	202	4-25	2025-26		
Category	Capital Cost	O&M Cost	Capital Cost	O&M Cost	Capital Cost	O&M Cost	
Water Supply	308.28	2.50	300.00	2.78	150.00	17.78	
Sewerage	539.99	0.57	425.00	21.82	-	21.82	
Parks	197.38	4.93	80.00	6.93	-	6.93	
Streetlights	-	-	-	-	13.55	0.34	
Buildings	300.00	1.50	-	1.50	-	1.50	
Roads	498.88	24.94	-	24.94	-	24.94	
Total	1,844.53	34.45	805.00	57.98	163.55	73.32	

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

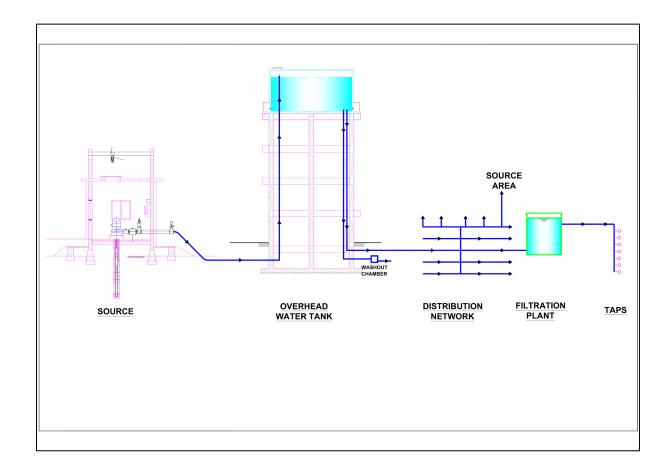
Operating and maintenance (O&M) cost shall be incurred during operational phases of the project. Operation and maintenance cost includes electricity and other utility cost, administrative expenses, maintenance cost, payroll cost and other overheads etc.

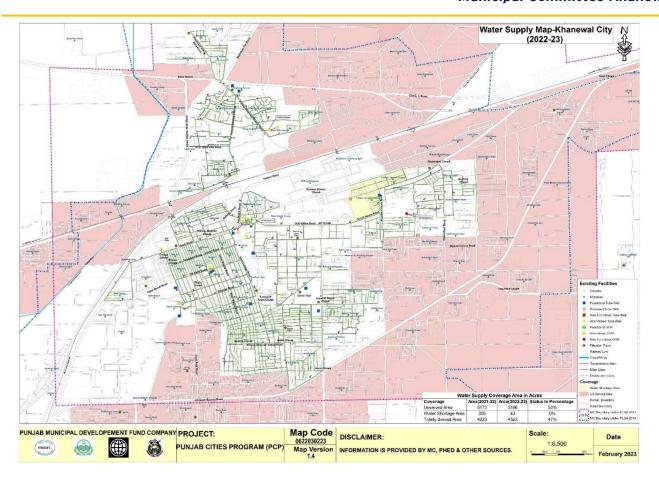
# Annexure

# **Annexure A. Detail of Assets**

1. WATER SUPPLY:

Key Components of a Water Supply System





## A. Tube well

Sr		Age (Y	ears)			Book	Discharge	_	Motor	
#	Name	Civil Structure	Pump	Condition	Status	Value (PKR Mil)	(cusec)	Pump Make	Make	Motor hp
1	Khanewal Highway Colony	6	6	Good	Functional	4	2	PECO	PECO	50
2	City Park	Not Ava	ilable	Failing	Non- Functional	0.05	Abandoned			
3	Colony No. 1 Near School	37	37	Poor	Functional	0.2	2	KSB	Siemens	50
4	School 11-B	2	2	good	Functional	6.5	1.5	KSB	Siemens	50
5	Colony No. 2	5	5	Good	Functional	4.3	2	KSB	Siemens	50
6	T-Chowk	6	6	Good	Functional	4	2	KSB	BECO	60
7	5 Marla Scheme	Not Ava	ilable	Failing	Non- Functional	0		Abandor	ned	
8	3 Marla Scheme	17	17	Failing	Non- Functional	0		Abandor	ned	
9	T-Chowk No.2	36	36	Failing	Non- Functional	0	Abandoned			

Sr		Age (Y	ears)			Book	Discharge		Motor	
#	Name	Civil Structure	Pump	Condition	Status	Value (PKR Mil)	(cusec)	Pump Make	Make	Motor hp
10	Nizamabad Water Supply	19	19	Failing	Non- Functional	0	Abandoned			
11	Old Khanewal Water Supply	6	6	Good	Functional	3.5	1.5 KSE		В	Siemens
12	Purana Kohana	Not Ava	ilable	Failing	Non- Functional	0	Abandoned			
13	Stadium Water Supply	2	2	good	Functional	6.5	1.5	BECO	BECO	
14	Sabzi Mandi Water Supply	2	2	good	Functional	6.5	1.5	BECO	BECO	50
15	Thana Ground	2	2	good	Functional	6.5	1.5	KSB	Siemens	50
16	Colony No. 2 Water Supply	5	5	Good	Functional	6.5	1.5	MECO	Siemens	60
17	Peoples Colony No. 2	Not Available	Failing	Non- Functional	0		Abandoned			
18	Peoples Colony	31	18	Fair	Functional	0.3	2	KSB	Siemens	50
19	T-Chowk Tehsil Fire Brigade	25	25	Failing	Functional	0.2	2	PECO	Siemens	60

l	ntegra	ated Dev	elopment and A	sset Manageme	ent Plan (IDAMP)							
	Municipal Committee Khanewal											
Form: IDAMP-A1		Asset	Tube Well Condition Asses	sment	Asset Code: Date: 03-05-2023							
		Asset	Detail		Pictures							
Name			Thana G	round								
Location	Latitu	ude	30.30	)14								
Location	Longi	itude	71.92	236								
Address												
Area (Marla/Kana	al/Acr	es)	1									
Working Status			Functional	Non- Functional								
Installation Year	of Tub	e Well	202	21								
Installation Year	of Pur	np	202	21								
Capital Cost of M	achine	ery										
<b>Operational Hour</b>	Operational Hours											
Dolivery Dine Dia			10	"								
Delivery Pipe Material			C.									
Chlorinator			Yes	No								

lı	nteg	rated Dev	elopment and	Ass	et N	/lanagem	ent Plai	n (IDAMP)	
Municipal Committee Khanewal									
Form: IDAMP-A1		Asset	Tube Well Condition Ass	essm	nent			Asset C Dat	ode: e: 03-05-2023
Chlorination Sche	dule	•	Once in a Year	Aft 6 Mor s	nth	No Schedul e			
Apron Around Pu	mp ŀ	louse	Yes			No			6
Hoisting Girder			Yes			No			
Civil Structure Co	ndit	ion	Good	Fai	r	Bad			
Approach to Pum	р Но	use	Good	Fai	r	Bad			
		Pump [	Details						
Pump Type			Τι	ırbine	9				
Pump Make				KSB					
Discharge Capaci	ty (C	Cusec)		1.5			10 10 10 10 10 10		
<b>Rotational Speed</b>	(RP	M)	1	.460				1	
Housing Dia (inch	es)			12			20		
Bore Depth (ft.)				400				NE	
Head (ft.)				200			The same in	1	
Impeller Installati (ft.)	on D	epth	120			3		© GPS M	
Paint of Pumping	Unit	:	OK						
	Gate	e Valve	1				1		
Number of Valves	Non Reti Valv	urning	1						
Base Plate			Yes No				1/8		
Electr	о-М	echanical	I Equipment Details					ALL IN	
Transformer Capa				100					
Sanctioned Load				30				4	
Motor Power (HP)	)			50					E. 100
Motor Make			Sie	emen	S		2		
MCU			Yes			No	1	AS	
Earthing of Motor			Yes			No			
Power Wiring			Yes			No	73	12/2	
Service Cable			Yes			No			
Earthing of MCU			Yes			No	3		
Energy Meter			Yes			No			
Water Meter			Yes			No	The state of the s		
PFI Equipment	PFI Equipment					No			
Generator			Yes No						
Change Over			Yes No						
			rall R	atir					
Average Score		1	2			3		4	5
Asset Conditio	n	Excellen	t Good			Fair		Poor	Failing
Category		Α	В			С		D	E
			Remarks	/ Red	quir	ements			
<ul> <li>No remarks</li> </ul>									

Integ	Integrated Development and Asset Management Plan (IDAMP)										
Municipal Committee Khanewal											
Form: Tube Well Asset Code:											
Data Collected By: Mr.	Haroon	Designation: Team Member	Harooz. Sign & Date: 30 May 2023								
Data Checked By: Mr. I Alvi	Mudassar	Designation: Team Lead	Sign & Date: 30 May 2023								

	Integrated Deve	lopment and	Ass	et M	anageme	nt Plan (IDAMP)
		Municipal Cor	nmi	ttee	Khanewa	l
Form: IDAMP-A1	Asset C	Tube Well Condition Assessment				Asset Code: Date: 03-05-2023
	Asset [	Detail				Pictures
Name	7.0001		Cho	wk		
	Latitude		0.30			
Location	Longitude		1.92			
Address	,					
Area (Marla/Kar	nal/Acres)		1			
Working Status		Functional			Non- nctional	M. Carrier and M. Car
Installation Year	of Tube Well		201			
Installation Year			201	7		
Capital Cost of N	•					
Operational Hou	•		3			STATE OF THE STATE
,	Dia		10"	,		
Delivery Pipe	Material		C.I			THE STATE OF THE S
Chlorinator	inacci iai	Yes	0.1		No	
Chlorination Sch	edule	Once in a Year		fter 6 onth	No Schedul e	
Apron Around P	umn House	Yes		S	No	
Hoisting Girder	unip nouse	Yes			No	
Civil Structure C	Condition	Good	Fa	ir	Bad	
Approach to Pur		Good Fa			Bad	
Approach to rui	Pump D	, , , , , , , , , , , , , , , , , , ,			Daa	
Pump Type	i dilip b	Turbine				Camara
Pump Make			KSE			
Discharge Capac	rity (Cusec)		2			A Part of the second
Rotational Spee			<u>-</u> 146	0		The state of the s
Housing Dia (inc			12			
Bore Depth (ft.)	11037		400			
Head (ft.)			200			
Impeller Installa	tion Denth (ft.)		120			Parl I
Paint of Pumping			OK			
,	Gate Valve		1			<del>L</del>
Number of Valves	Non-Returning Valve		1			
Base Plate	1.3.70	Yes			No	
	tro-Mechanical		etail	S	1,5	
Transformer Cap		100				
Sanctioned Load		30				
Motor Power (HI	60					
Motor Make	BECO					
MCU					No	
Earthing of Moto	Yes Yes			No		
Power Wiring	•			No		
Service Cable		Yes			No	
Earthing of MCU		Yes			No	
		103		l	1,10	

Inte	Integrated Development and Asset Management Plan (IDAMP)									
	Municipal Committee Khanewal									
Form: IDAMP-A1	Asset Co	Tube Well andition Assessm	nent	Asset C Dat	ode: e: 03-05-2023					
Energy Meter		Yes	No							
Water Meter		Yes	No							
PFI Equipment		Yes	No							
Generator		Yes	No							
Change Over		Yes	No							
		Overall R	ating							
Average Score	1	2	3	4	5					
Asset Condition	Excellent	Good	Fair	Poor	Failing					
Category	Α	В	С	D	Е					
		Remarks / Req	uirements							
<ul> <li>No remarks</li> </ul>										
Data Collected By: Mr	. Haroon	Designation: Tea	am Member	Harooz. Sign & Date: 30 May 2023						
Data Checked By: Mr. Alvi	Mudassar	Designation: Tea	am Lead	Sign & Date: 30	O May 2023					

	Integrated Dev	relopment and	Asset N	Manageme	nt Plan (IDAMP)
		Municipal Con	nmittee	Khanewa	I
Form: IDAMP-A1	Asset	Tube Well Condition Asse	essment	:	Asset Code: Date: 03-05-2023
	Asset	Detail			Pictures
Name		People	es Color	ny	
Location	Latitude	30	.3060		
Location	Longitude	71	.9381		
Address					
Area (Marla/Kan	al/Acres)	1			
Working Status		Functional Non- Functional			
Installation Year	of Tube Well	1992			
Installation Year	of Pump	2005-2006			
Capital Cost of M	lachinery				
Operational Hou	rs		3		
Delivery Dine	Dia		10"		
Delivery Pipe	Material		C.I		
Chlorinator		Yes		No	
Chlorination Sch	Once in a Year	After 6 Month s	No Schedul e		
Apron Around Pu	ımp House	Yes		No	

	Integ	rated Deve	lopment and	l Asset	Manageme	ent I	Plan (IDAMP)		
		1	Municipal Co	mmitte	e Khanewa	al			
Form: IDAMP-A1		Asset C	Tube Well Condition Assessment				Asset (	Code: te: 03-05-2023	
Hoisting Girder			Yes		No			The second second	
Civil Structure C	ondit	ion	Good	Fair	Bad	114		Contract of	
Approach to Pun	np Ho	ouse	Good	Fair	Bad				
		Pump D	etails					- Table 1	
Pump Type			Т	urbine					
Pump Make				KSB					
Discharge Capac				2		1			
Rotational Speed		M)		1460		_		1	
Housing Dia (incl	nes)			12		4			
Bore Depth (ft.)				400					
Head (ft.)		14 451		200		3			
Impeller Installat				120					
Paint of Pumping				OK					
Number of		Valve		1					
Valves	Non- Retu Valv	ırning		1					
Base Plate	, v u.v	•	Yes		No			Camera L	
	tro-M	lechanical E	Equipment D	etails			Khanewal,	Punjab, Pakistan	
Transformer Cap			-,-,-	100		Lat	itude	Longitude	
Sanctioned Load	-			30			.3060° N	71.9381° E	
Motor Power (HF			50			Section 1	tal 03:30:54 PM 1T 10:30:54 AM	Altitude 145.4 meters Wednesday, 05/03/2023	
Motor Make			Siemens			Consider.			
MCU			Yes		No				
<b>Earthing of Moto</b>	r		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				
A			1	rall Rat					
Average Scor		1	2		3		4	5	
Asset Condition	on	Excellent	Good		Fair		Poor	Failing	
Category		A	В		С		D	E	
			Remarks	/ Requi	irements				
No remarks  Data Collected By	Data Collected By: Mr. Haroon				Designation: Team Member			007. 0 May 2023	
Data Checked By: Mr. Mudassar Alvi			Designation: Team Lead				Sign & Date: 30 May 2023		

Integrated Development and Asset Management Plan (IDAMP)							
Municipal Committee Khanewal							
Form: IDAMP-A1	Tube Well Asset Condition Assessment	Asset Code: Date: 03-05-2023					
Sign & Date: 30 May 2023							

	Intear	ated Deve	elopment and	l As	set N	lanageme	ent Plan (IDAMP)
			Municipal Co				
Form: IDAMP-A1		Asset C	Tube Well Condition Ass	sess	ment		Asset Code: Date: 03-05-2023
		Asset [	Detail				Pictures
Name			Old Khanev	val V	Nater	Supply	
Location	Latit	ude	3(	0.31	182		
Location	Long	itude	7:	1.92	235		
Address							
Area (Marla/Kan	al/Acı	res)		1			
Working Status			Functional			Non- ictional	
Installation Year	of Tu	be Well		201	.7		
Installation Year	of Pu	mp		201	.7		A CONTRACTOR OF THE PARTY OF TH
Capital Cost of M	lachin	ery					
Operational Hour	rs			3			Mary Comments
Dalimann Dina	Dia			9"	1		
Delivery Pipe	Mate	rial		C.I			
Chlorinator			Yes No			No	
Chlorination Sch	edule		Once in a Year		onth	No Schedul e	
Apron Around Pu	ımp H	ouse	Yes			No	
Hoisting Girder	•		Yes			No	THE RESERVE OF THE PROPERTY OF THE PARTY OF
Civil Structure C	onditi	on	Good	Fä	air	Bad	
Approach to Pun			Good	Fa	air	Bad	
		Pump D					
Pump Type		Í	Т	urbi	ine		
Pump Make				KSI	В		© GPS
Discharge Capac	ity (C	usec)		1.5	5		National Highway, Punjab, Pakistan
Rotational Speed (RPM)		<b>/</b> I)		146	50		Latitude Longitude
Housing Dia (inches)			12	)		30.3182° N 71.9235° E	
Bore Depth (ft.)		400				Local 05:11:01 PM Altitude 138.5 meters	
Head (ft.)			200				GMT 12:11:01 PM Wednesday, 05/03/2023
Impeller Installat	ion D	epth (ft.)					
Paint of Pumping	nt of Pumping Unit			OK	(		
	Gate Valve			1			
Number of Valves	Non- Retui Valve	-	1				
Base Plate			Yes			No	
Elect	tro-Me	echanical	Equipment D	etai	ils		

Integrated Development and Asset Management Plan (IDAMP)										
Municipal Committee Khanewal										
Form: IDAMP-A1	Asset C	Tube Well ondition Assessr	ment	Asset C Dat	Code: :e: 03-05-2023					
Transformer Capacit	y (kVA)	100								
Sanctioned Load (Kw	/h)	30								
Motor Power (HP)		50								
Motor Make		Sieme	ns							
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	Yes No							
Change Over		Yes No								
		Overall F	Rating							
Average Score	1	2	3	4	5					
Asset Condition	Excellent	Good	Fair	Poor	Failing					
Category	Α	В	С	D	Е					
		Remarks / Re	quirements							
<ul> <li>No remarks</li> </ul>										
Data Collected By: Mr. Haroon		Designation: Te	am Member	Har Sign & Date: 30	-					
Data Checked By: Mr. Alvi	Mudassar	Designation: Team Lead  Sign & Date: 30 May 20  Sign & Date: 30 May 20			thi					

	Integrated Development and Asset Management Plan (IDAMP)									
	Municipal Committee Khanewal									
Form: IDAMP-A1	Asset	Tube Well Condition Asses	sment	Asset Code: Date: 03-05-2023						
	Asset	Detail	·	Pictures						
Name		Khanewal Hig	hway Colony							
Location	Latitude	30.3	179							
Location	Longitude	71.9	218							
Address										
Area (Marla/Kan	al/Acres)	1	_							
Working Status		Functional	Non- Functional							
Installation Year	of Tube Well	20	17							
Installation Year	of Pump	20	17							
Capital Cost of M	Machinery									

Integrated Development and Asset Management Plan (IDAMP)									
Municipal Committee Khanewal									
Form: IDAMP-A1	Asset (	Tube Well Condition Ass	sessmen	t	Asset ( Da	Code: te: 03-05-2023			
Operational Hou	rs		3						
Dolivory Dino	Dia		9"						
Delivery Pipe	Material		C.I						
Chlorinator		Yes		No					
Chlorination Sch	edule	Once in a Year	After 6 Month s	No Schedul e					
Apron Around Po	ump House	Yes		No					
Hoisting Girder		Yes		No					
Civil Structure C	ondition	Good	Fair	Bad		1 10 10 10 10			
Approach to Pun	np House	Good	Fair	Bad					
	Pump D	etails							
Pump Type		Т	urbine						
Pump Make			PECO			A LETTER			
Discharge Capac	ity (Cusec)		2						
Rotational Speed	d (RPM)		1460			O GPS			
Housing Dia (inc	hes)		12			Camera			
Bore Depth (ft.)			400			1			
Head (ft.)			200			1			
Impeller Installat	tion Depth (ft.)	120			-/				
Paint of Pumping	g Unit	OK							
	Gate Valve		1						
Number of Valves	Non- Returning Valve	1			2				
Base Plate		Yes		No					
Elec	tro-Mechanical	Equipment D	etails						
Transformer Cap			100		COMP.				
Sanctioned Load			30			A STATE OF THE STA			
Motor Power (HF	P)		50						
Motor Make			PECO		1				
MCU		Yes		No					
Earthing of Moto	or	Yes		No					
Power Wiring		Yes		No					
Service Cable	-			No					
Earthing of MCU		Yes Yes		No					
Energy Meter		Yes		No					
Water Meter				No					
PFI Equipment		Yes No							
Generator		Yes No							
Change Over		Yes No							
		Overall Rating 2 3							
Average Scor	Average Score 1		2		4	5			
Asset Condition	on Excellent	Good		Fair	Poor	Failing			
Category	А	В		С	D	E			
Remarks / Requirements									

Integ	Integrated Development and Asset Management Plan (IDAMP)									
Municipal Committee Khanewal										
Form: IDAMP-A1										
No remarks										
Data Collected By: Mr.	Haroon	Designation: Team Member	Harooz. Sign & Date: 30 May 2023							
Data Checked By: Mr. I Alvi	Mudassar	Designation: Team Lead	Sign & Date: 30 May 2023							

	Intoqu	cated Dov	olonmont and	l A c	sot M	lanagomo	ent Plan (IDAMP)
	mtegi	ateu Devi	Municipal Co				
Form: IDAMP-A1		Asset (	Tube Well Condition Ass	ess	ment		Asset Code: Date: 03-05-2023
		Asset I	Detail				Pictures
Name			Ci	ty P	ark		
Location	Latit			0.29			
	Long	itude	7:	1.91	139		
Address							
Area (Marla/Kan	al/Ac	res)		1			
Working Status			Functional			Non- ctional	
Installation Year	of Tu	be Well					
Installation Year	of Pu	ımp					
Capital Cost of N	1achir	ery					
Operational Hou	rs		3				
Delivery Pipe	Dia		6"				
• •	Mate	rial	C.I				
Chlorinator			Yes			No	
Chlorination Sch	edule		Once in a		After No 6 Schedu s		
Apron Around P	ump H	louse	Yes			No	
Hoisting Girder			Yes			No	
Civil Structure C	onditi	on	Good	Fá	air	Bad	No. of the last of
Approach to Pump House		Good	Fá	air	Bad		
Pump [						(©) GPS	
Pump Type			urbi			Camera	
Pump Make			PEC	0			
Discharge Capacity (Cusec)			2				
Rotational Speed (RPM)		1460					
Housing Dia (inc	hes)		12				
Bore Depth (ft.)				400	O		

	Integrated Development and Asset Management Plan (IDAMP)								
	Municipal Committee Khanewal								
Form: IDAMP-A1		Asset C	Tube Well Condition Assessi	ment	Asset ( Da	Code: te: 03-05-2023			
Head (ft.)			200	)	1				
Impeller Installat	ion D	epth (ft.)	120	)					
Paint of Pumping	J Unit		OK			الی کا ابوراب			
	Gate	Valve	1			يلايخ رت فواه بين			
Number of Valves	Non- Retu Valve	rning	1						
Base Plate			Yes	No					
Elect	tro-M	echanical	Equipment Detail	s					
Transformer Cap	acity	(kVA)	100	)	5				
Sanctioned Load	(Kwł	1)	30			9			
Motor Power (HF	P)		50						
Motor Make			PEC	0					
MCU			Yes	No					
Earthing of Moto	r		Yes	No	167				
Power Wiring			Yes	No		A TOP A			
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 F						
Average Scor	e	1	2	3	4	5			
Asset Condition	on	Excellent	Good	Fair	Poor	Failing			
Category		Α	В	С	D	E			
			Remarks / Re	quirements					
No remarks			1						
Data Collected By: Mr. Haroon		Designation: Te	eam Member		007. 0 May 2023				
Data Checked By: Mr. Mudassar Alvi		Designation: Team Lead  Sign & Date: 30 May 2  Sign & Date: 30 May 2			the				

Integrated Development and Asset Management Plan (IDAMP)									
Municipal Committee Khanewal									
Form: IDAMP-A1									
	Asset Detail Pictures								

Integrated Development and Asset Management Plan (IDAMP)							
		Municipal Cor	nm	ittee	Khanewa	ı	
Form: IDAMP-A1	Tube Well Condition Asse	essi	ment	:		t Code: Date: 03-05-2023	
Name		Stadium \	Wat	er Sı	vlagu		
1 1'	Latitude			49	<u> </u>		
Location	Longitude	71	.91	.61			
Address							
Area (Marla/Kan	al/Acres)		1				
Working Status		Functional			Non- ictional		
Installation Year	of Tube Well	2	202	1			
Installation Year	of Pump	2	202	1			
Capital Cost of M	<b>lachinery</b>						
Operational Hou	rs		3			***	
Delivery Pipe	Dia		10′	,			
Delivery Pipe	Material		C.I				
Chlorinator		Yes			No		
Chlorination Sch	edule	Once in a Year		fter 6 onth s	No Schedul e		
Apron Around Po	ump House	Yes No			No		
Hoisting Girder		Yes No			No		11/20
Civil Structure C	ondition	Good	Fá	air	Bad		
Approach to Pun	np House	Good	Fá	air	Bad		
	Pump D	Details					
Pump Type		Turbine					© GPS
Pump Make		KSB					Comerc
Discharge Capac	ity (Cusec)	1.5					
Rotational Speed	d (RPM)	1	.46	0		Division in	
Housing Dia (inc	hes)		12			XXX X	
Bore Depth (ft.)		400					
Head (ft.)		200				1 60-	
Impeller Installat	tion Depth (ft.)						
Paint of Pumping	g Unit		OK				
	Gate Valve		1			7	4
Number of Valves	_		1				
Base Plate		Yes			No		A Property of
Electro-Mechanical		Equipment De	tai	ls			
Transformer Car	Transformer Capacity (kVA)		100	)			
Sanctioned Load	Sanctioned Load (Kwh)		30			100	
Motor Power (HP)		50					
Motor Make		Siemens					
MCU		Yes No			No		
Earthing of Moto	or	Yes			No		
Power Wiring		Yes		No			
Service Cable		Yes			No		
Earthing of MCU		Yes			No		

Inte	grated Deve	lopment and Ass	set Manageme	nt Plan (IDAMP)						
	Municipal Committee Khanewal									
Form: IDAMP-A1	Asset C	Tube Well ondition Assessi	ment	Asset ( Da	Code: te: 03-05-2023					
Energy Meter		Yes	No							
Water Meter		Yes	No							
PFI Equipment		Yes	No							
Generator		Yes	No							
Change Over		Yes	No							
		Overall I	Rating							
Average Score	1	2	3	4	5					
Asset Condition	Excellent	Good	Fair	Poor	Failing					
Category	А	В	С	D	Е					
		Remarks / Re	quirements							
No remarks										
Data Collected By: Mr	. Haroon	Designation: Te	eam Member	Har Sign & Date: 30						
Data Checked By: Mr. Alvi	Mudassar	Designation: Te	eam Lead	Sign & Date: 30	7 May 2023					

Integrated Development and Asset Management Plan (IDAMP)										
Municipal Committee Khanewal										
Form: IDAMP-A1		Asset (	Tube Well Condition Asse	essn	nent		Asset Code: Date: 03-05-2023			
		Asset I	Detail				Pictures			
Name			Sabzi Mand	i Wa	ater:	Supply				
Location	Latit	ude	30	.29	75	-	V			
Location	Long	itude	71	.919	92					
Address							THE THE PARTY OF T			
Area (Marla/Kan	al/Ac	res)	1							
Working Status			Functional Non- Functional		-	The state of the s				
Installation Year	of Tu	be Well	2021							
Installation Year	of Pu	mp	2021							
Capital Cost of M	1achin	ery								
Operational Hou	rs			3			Name of the last o			
Dolivery Dine	Dia		10"							
Delivery Pipe Material		C.I								
Chlorinator		Yes			No	章 南山田 二				
Chlorination Schedule		Once in a Year	Mo	ter 6 onth s	No Schedul e	O GPS				
Apron Around Po	ump H	louse	Yes			No	Camero I			

Integrated Development and Asset Management Plan (IDAMP)								
	Municipal Committee Khanewal							
Form: IDAMP-A1		Asset Co	Tube Well ondition Ass	sessme	nt	Asset ( Da	Code: te: 03-05-2023	
<b>Hoisting Girder</b>			Yes		No			
Civil Structure C	ondit	ion	Good	Fair	Bad			
Approach to Pun	np Ho	ouse	Good	Fair	Bad			
		Pump De	etails					
Pump Type			Т	urbine				
Pump Make				KSB				
Discharge Capac	ity (C	Cusec)		1.5				
<b>Rotational Speed</b>	d (RP	M)		1460				
Housing Dia (incl	nes)			12				
Bore Depth (ft.)				400		9		
Head (ft.)				200			-	
Impeller Installat	ion [	Depth (ft.)		120				
Paint of Pumping				OK				
, .		Valve		1				
Number of	Non-	-						
Valves	Retu	ırning		1				
	Valv	e						
Base Plate			Yes No					
Elect	tro-M	lechanical E	Equipment Details					
Transformer Cap	acity	(kVA)	100					
Sanctioned Load	(Kw	h)	30					
Motor Power (HF	P)		50					
Motor Make			Siemens					
MCU			Yes		No			
Earthing of Moto	r		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			
		<u> </u>		rall Rat				
Average Scor	e	1	2		3	4	5	
Asset Condition		Excellent	Good		Fair	Poor	Failing	
Category		А	В		C	D	E	
Category		Α	Remarks	/ Requi			<u> </u>	
No remarks			remarks	, Requi	i ciniciit3			
Data Collected By: Mr. Haroon		Designation: Team Member		Har Sign & Date: 30	•			
Data Checked By: Mr. Mudassar Alvi		Designation: Team Lead			MA	12		

Integrated Development and Asset Management Plan (IDAMP)							
Municipal Committee Khanewal							
Form: IDAMP-A1	Tube Well Asset Condition Assessment	Asset Code: Date: 03-05-2023					
Sign & Date: 30 May 2023							

	rated Deve	lopment and	Ass	et M	lanageme	nt Plan (IDAMP)	
		ı	Municipal Cor	nmi	ttee	Khanewa	I
Form: IDAMP-A1 Asset C			Tube Well ondition Ass	essr	nent		Asset Code: Date: 03-05-2023
		Asset D	etail				Pictures
Name			Colony No.	2 W	ater	Supply	
1 4:	Latitu	ude		).29			
Location	Longi	itude	7:	1.92	92		
Address							
Area (Marla/Kan	nal/Ac	res)		1			
Working Status			Functional			Non- nctional	
Installation Year	of Tu	be Well		201	8		
Installation Year	of Pu	ımp		201	8		
Capital Cost of N	/lachin	nery					
Operational Hou				3			
Delivery Pipe	Dia			10"	'		
Delivery Fipe	Mate	rial		C.I			
Chlorinator			Yes			No	
Chlorination Sch	edule		Once in a Year		fter 6 onth s	No Schedul e	R
Apron Around P	ump H	louse	Yes			No	
Hoisting Girder			Yes		No		
Civil Structure C	onditi	on	Good Fai		ir	Bad	
Approach to Pur	np Ho	use	Good Fair Bad		Bad		
		Pump D	etails				<b>O</b> GPS
Pump Type			Turbine				Camera
Pump Make				ИЕС	0		44.
Discharge Capac				1.5			
Rotational Spee		M)		146	0		
Housing Dia (inc	hes)			12			4
Bore Depth (ft.)				400			X X
Head (ft.)				200			
Impeller Installa		•		120			
Paint of Pumpin	ř –			OK			
Number of		Valve		1			
Valves	Valve			1			
Base Plate			Yes			No	
	Electro-Mechanical I		Equipment De				
Transformer Capacity (kVA)			100				
Sanctioned Load (Kwh)		45					
Motor Power (HP)		60					
Motor Make			ИЕС	0			
MCU			Yes			No	
Earthing of Moto	or		Yes			No	
Power Wiring			Yes			No	
Service Cable			Yes			No	
Earthing of MCU			Yes			No	

Integrated Development and Asset Management Plan (IDAMP)								
Municipal Committee Khanewal								
Form: IDAMP-A1	Asset Co	Tube Well andition Assessm	nent	Asset C Dat	ce: 03-05-2023			
Energy Meter		Yes	No					
Water Meter		Yes	No					
PFI Equipment		Yes	No					
Generator		Yes	No					
Change Over		Yes	No					
		Overall R	ating					
Average Score	1	2	3	4	5			
Asset Condition	Excellent	Good	Fair	Poor	Failing			
Category	А	В	С	D	Е			
		Remarks / Req	uirements					
<ul> <li>No remarks</li> </ul>								
Data Collected By: Mr	. Haroon	Designation: Te	am Member	Har Sign & Date: 30				
Data Checked By: Mr. Alvi	Mudassar	Designation: Te	am Lead	Sign & Date: 30	7 May 2023			

	Integr	ated Deve	elopment and	Asse	et M	anageme	ent Plan (IDAMP)
			Municipal Cor				
Form: Tube Well IDAMP-A1 Asset Condition Assessment						Asset Code: Date: 03-05-2023	
		Asset [	Detail			·	Pictures
Name			Scho	ool 1	1-B		
Location	Latitu	ıde	30	.292	27		
Location	Longi	tude	71	.931	16		* 1. *
Address							
Area (Marla/Kan	al/Acr	es)	1				
Working Status			Functional Non- Functional		-		
Installation Year	of Tul	be Well	2021				
Installation Year	of Pu	mp	2021				
Capital Cost of M	1achin	ery					
Operational Hou	rs			3			
Dolivory Dina	Dia			10"			
Delivery Pipe Material			C.I				
Chlorinator		Yes			No		
Chlorination Schedule		Once in a Year	Aft 6 Moi	nth	No Schedul e		
Apron Around Po	ump H	ouse	Yes			No	© GPS Camera

Integrated Development and Asset Management Plan (IDAMP)							
Municipal Committee Khanewal							
Form: IDAMP-A1		Asset C	Tube Well ondition Ass	sessmer	nt	Asset ( Da	Code: te: 03-05-2023
Hoisting Girder			Yes		No		
Civil Structure C	ondit	ion	Good	Fair	Bad	AL STATE OF THE ST	
Approach to Pun	np Ho	ouse	Good	Fair	Bad	-	
		Pump De	etails				
Pump Type			Т	urbine			
Pump Make				KSB			
Discharge Capac				1.5		an an	
Rotational Speed		M)		1460			0
Housing Dia (incl	nes)			12		3 25	
Bore Depth (ft.)				400		\$ 77	
Head (ft.)				200			
Impeller Installat				120			in the same
Paint of Pumping				OK			
November 1		Valve		1			32
Number of Valves	Non-			1			
vaives	Valv	ırning		1			
Base Plate	vaiv	C	Yes		No		
	tro-M	lechanical F	Equipment Details				
Transformer Cap			100				
Sanctioned Load			30				
Motor Power (HF		.,,	50				
Motor Make			Siemens				
MCU			Yes		No		
Earthing of Moto	r		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		
				rall Rati			
Average Scor		1	2		3	4	5
Asset Condition	on	Excellent	Good		Fair	Poor	Failing
Category		Α	В		С	D	Е
			Remarks	/ Requi	rements		
No remarks			1				
Data Collected By: Mr. Haroon		Designation: Team Member		Har Sign & Date: 30	•		
Data Checked By: Mr. Mudassar Alvi		Designation: Team Lead			MA	the	

Integrated Development and Asset Management Plan (IDAMP)							
Municipal Committee Khanewal							
Form: IDAMP-A1	Tube Well Asset Condition Assessment	Asset Code: Date: 03-05-2023					
Sign & Date: 30 May 2023							

	Integrated Dev	elopment and A	Asset M	lanageme	ent Plan (IDAMP)
		Municipal Com	mittee	Khanewa	al
Form: IDAMP-A1	Asset (	Tube Well Condition Asses	ssment		Asset Code: Date: 03-05-2023
	Asset I	Detail			Pictures
Name		Colony No. 1	1 Near	School	
Lacation	Latitude	30	2927		
Location	Longitude	71.	9243		
Address					
Area (Marla/Kar	nal/Acres)		1		
Working Status		Functional		Non- ictional	
Installation Year	of Tube Well	19	983		
Installation Year	of Pump	19	983		
Capital Cost of N	Machinery				
Operational Hou	rs		3		
Dalissans Dina	Dia	1	0"		
Delivery Pipe	Material	(	C.I		A ROLL PARTY
Chlorinator	•	Yes No		No	
Chlorination Sch	nedule	Once in a Year	After 6 Month s	No Schedul e	
Apron Around P	ump House	Yes		No	GPS
Hoisting Girder	•	Yes		No	Camero
Civil Structure C	Condition	Good	Fair	Bad	
Approach to Pur	np House	Good	Fair	Bad	
	Pump D	etails			
Pump Type	•		bine		
Pump Make		K	SB		
Discharge Capac	city (Cusec)		2		
Rotational Spee	d (RPM)	14	460		
Housing Dia (inc	hes)	-	12		
Bore Depth (ft.)		4	00		
Head (ft.)		2	00		
Impeller Installation Depth (ft.)		1	20		
Paint of Pumping Unit		(	OK		
	Gate Valve		1		
Number of Valves	Non- Returning Valve		1		
Base Plate	Yes		No		
	tro-Mechanical		ails		The state of the s
		, , , , , , , , , , , , , , , , , , , ,			

Integrated Development and Asset Management Plan (IDAMP)									
Municipal Committee Khanewal									
Form: IDAMP-A1	Asset (	Tube Well Condition Assessr	ment	Asset (	Code: te: 03-05-2023				
Transformer Capacit	y (kVA)	100	)						
Sanctioned Load (Kv		30							
Motor Power (HP)		50							
Motor Make		Sieme	ns						
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	No					
		Overall F	Rating						
Average Score	1	2	3	4	5				
Asset Condition	Excellent	Good	Fair	Poor	Failing				
Category	Α	В	С	D	E				
		Remarks / Re	quirements						
<ul> <li>No remarks</li> </ul>									
Data Collected By: Mr. Haroon		Designation: Team Member		Har Sign & Data: 20	•				
Data Checked By: Mr. Mudassar Alvi		Designation: Te	eam Lead	Sign & Date: 30	the				

	Integrated Development and Asset Management Plan (IDAMP)								
		Municipal Comr	nittee Khanewa	ıl					
Form: IDAMP-A1	Asset	Tube Well Condition Asses	sment	Asset Code: Date: 03-05-2023					
	Asset	Detail	·	Pictures					
Name		5 Marla	Scheme						
Location	Latitude	30.3	233						
Location	Longitude	71.9	218						
Address									
Area (Marla/Kan	al/Acres)	1							
Working Status		Functional Non- Functional							
Installation Year	of Tube Well								
Installation Year of Pump									

	Inte	grated Deve	elopment and	l Ass	et M	lanageme	ent Plan (IDAMP)	
			Municipal Co	mmi	ttee	Khanewa	ıl	
Form: IDAMP-A1	Tube Well Condition Ass	essn	nent		Asset Code: Date: 03-05-2023			
Capital Cost of M	1achi	inery						
Operational Hou	rs							
Delivery Pipe	Dia Mat	erial						
Chlorinator		• • • • • • • • • • • • • • • • • • • •	Yes			No		
Chlorination Sch	edul	е	Once in a Year	Мо	ter 6 onth s	No Schedul e		
Apron Around Pu	ımp	House	Yes			No		
Hoisting Girder			Yes			No		
Civil Structure C	ondi	tion	Good	Fa	ir	Bad		
Approach to Pun	np H	ouse	Good	Fa	ir	Bad	6 15	
		Pump D	etails					Y
Pump Type								150
Pump Make								JAN TO
Discharge Capac	ity (	Cusec)						G CDS N
Rotational Speed	d (RF	PM)					A III (A) TO THE A	, e, G-31
Housing Dia (incl	hes)							
Bore Depth (ft.)								
Head (ft.)								
Impeller Installat	ion I	Depth (ft.)						
Paint of Pumping	g Uni	t						
Number of Valves	Non	urning						
Base Plate	ı		Yes No					
Elect	tro-N	/lechanical	Equipment D	etail	S			
Transformer Cap								
Sanctioned Load	(Kw	h)						
Motor Power (HF	P)		<u> </u>					
Motor Make								
MCU			Yes			No		
Earthing of Motor		Yes			No			
Power Wiring		Yes			No			
Service Cable			Yes			No		
Earthing of MCU			Yes			No		
Energy Meter			Yes			No		
Water Meter		Yes			No			
PFI Equipment		Yes No						
Generator		Yes			No			
Change Over		Yes			No			
				rall F	atin			
Average Scor		1	2	1		3	4	5
Asset Condition	on	Excellent				Fair	Poor	Failing -
Category		A	В			С	D	E

Integrated Development and Asset Management Plan (IDAMP)										
Municipal Committee Khanewal										
Form: Tube Well Asset Code:										
		Remarks / Requirements								
<ul> <li>No remarks</li> </ul>	No remarks									
Data Collected By: Mr. Haroon Designation: Team Member Sign & Date: 30 May 2023										
Data Checked By: Mr. N Alvi	Mudassar	Designation: Team Lead	Sign & Date: 30 May 2023							

	Integrated Dev	elopment <u>an</u>	d A	sset <u>M</u>	lanage <u>m</u> e
		Municipal Co			
Form: IDAMP-A1	Asset (	Tube Well Condition Ass	ses	sment	
	Asset I	Detail			
Name				Schem	ne
Location	Latitude			3027	
	Longitude	7	1.9	9409	
Address	-1/4>			4	
Area (Marla/Kan	ai/Acres)			1	
Working Status		Functiona	l	•	Non- Ictional
Installation Year	of Tube Well		20	06	
Installation Year	of Pump		20	006	
Capital Cost of M					
Operational Hou	rs				
Delivery Pipe	Dia				
	Material			1	
Chlorinator		Yes			No
Chlorination Sch	edule	Once in a Year		After 6 Month s	No Schedul e
Apron Around Pu	ımp House	Yes			No
Hoisting Girder		Yes			No
Civil Structure C	ondition	Good		Fair	Bad
Approach to Pun	•	Good		Fair	Bad
	Pump D	etails			
Pump Type					
Pump Make					
Discharge Capac	ity (Cusec)				
Rotational Speed	(RPM)				
Housing Dia (incl	nes)				
Bore Depth (ft.)					

	Integrated Development and Asset Management Plan (IDAMP)						
	Municipal Committee Khanewal						
Form: IDAMP-A1 Asset Co			Tube Well ondition Assessn	nent		Asset Code: Date: 03-05-2023	
Head (ft.)							
Impeller Installat	ion D	enth (ft.)					
Paint of Pumping							
r diffe of r diffping		Valve					
Number of	Non-						
Valves		rning					
Base Plate			Yes	No			
Elect	ro-M	echanical E	quipment Details	S			
Transformer Cap	acity	(kVA)					
Sanctioned Load	(Kwł	1)					
Motor Power (HP	))						
Motor Make							
MCU			Yes	No			
Earthing of Moto	r		Yes	No			
Power Wiring			Yes No				
Service Cable			Yes No				
Earthing of MCU			Yes	No			
Energy Meter			Yes				
Water Meter			Yes	No			
PFI Equipment			Yes	No			
Generator			Yes	No			
Change Over			Yes	No			
-			Overall F	Rating			
Average Scor	е	1	2	3	4	5	
Asset Condition	n	Excellent	Good	Fair	Poor	Failing	
Category		А	В	С	D	E	
			Remarks / Red	quirements			
No remarks							
Data Collected By: Mr. Haroon		Designation: Te	am Member	Harooz. Sign & Date: 30 May 2023			
Data Checked By: Mr. Mudassar Alvi			Designation: Te	am Lead	Sign & Date: 30 May 2023		

Integrated Development and Asset Management Plan (IDAMP)					
Municipal Committee Khanewal					
Form: IDAMP-A1	Asset (	Tube Well Condition Assessment	Asset Code: Date: 03-05-2023		
	Asset I	Pictures			
Name		T-Chowk No.2			

	Integ	rated Deve	elopment and	l As	set N	lanageme	ent Plan (IDAMP)
			Municipal Co	mm	ittee	Khanewa	al
Form: IDAMP-A1		Asset C	Tube Well set Condition Assessment				Asset Code: Date: 03-05-2023
Location	Latit Long	ude jitude	30.3030 71.9233				
Address							
Area (Marla/Kan	al/Ac	res)		1			
Working Status			Functional			Non- ictional	
Installation Year				198	37		
Installation Year				198	37		
Capital Cost of N		nery					
Operational Hou	rs						
Delivery Pipe	Dia Mate	erial					
Chlorinator	·		Yes			No	
				А	fter	No	
Chlorination Sch	edule		Once in a		6	Schedul	
			Year	IVI	onth s	е	
Apron Around P	ump ŀ	House	Yes			No	
Hoisting Girder			Yes		No		of the second
Civil Structure C	ondit	ion	Good	Fá	air	Bad	
Approach to Pur	np Ho	use	Good Fair Bad		Bad		
		Pump D	etails		•		
Pump Type							4
Pump Make							
Discharge Capac	ity (C	Cusec)					
Rotational Speed	d (RP	M)					
Housing Dia (inc	hes)						
Bore Depth (ft.)							
Head (ft.)							
Impeller Installa							
Paint of Pumping	ĭ						(©) GPS
, .		Valve					Camera
Number of	Non-						
Valves		ırning					
Base Plate	Valv	t	Voc			No	
	tro-M	echanical	Yes <b>Equipment D</b>	etai	Is	No	
			-quipinient D	ctal	13		
-	Transformer Capacity (kVA) Sanctioned Load (Kwh)						
Motor Power (HP)							
Motor Make							
MCU		Yes			No		
Earthing of Motor		Yes			No		
Power Wiring			Yes			No	
Service Cable			Yes			No	
Earthing of MCU			Yes			No	
Energy Meter			Yes			No	
Lifergy Meter				-		•	

Integrated Development and Asset Management Plan (IDAMP)							
Municipal Committee Khanewal							
Form: IDAMP-A1	Asset Co	Tube Well andition Assessn	nent	Asset C Dat	ode: e: 03-05-2023		
Water Meter		Yes	No				
PFI Equipment		Yes	No				
Generator		Yes	No				
Change Over		Yes	No				
		Overall R	Rating				
Average Score	1	2	3	4	5		
Asset Condition	Excellent	Good	Fair	Poor	Failing		
Category	Α	ВС		D	Е		
		Remarks / Red	quirements				
<ul> <li>No remarks</li> </ul>							
Data Collected By: Mr	Haroon	Designation: Tea	am Member	Har Sign & Date: 30			
Data Checked By: Mr. Alvi	Mudassar	Designation: Te	am Lead	Sign & Date: 30	May 2023		

In	tegrat	ed Developm	nent and Asset	Mana	anei	ment Plan	(IDAMP)	
	Integrated Development and Asset Management Plan (IDAMP)  Municipal Committee Khanewal							
Form: IDAMP-A1	Tube Well Asset Condition Assessment					Asset Code: Date: 03-05-2023		
		Asset De	etail				Pictures	
Name			T-Chowk Tel	nsil F	ire I	Brigade		
Location	Latitu	de	30.	3029	95			
Location	Longit	ude	71	.923	4			
Address								
Area (Marla/Kanal	/Acres	)		1				
Working Status			Functional Non- Functional					
Installation Year o	f Tube	Well	1998					
Installation Year o	f Pump	)	1	998				
Capital Cost of Ma	chiner	/						
<b>Operational Hours</b>								
Delivery Pipe	Dia							
Delivery Pipe	Mater	al						
Chlorinator			Yes			No		
Chlorination Schedule		()nco in a Voarl		er 6 iths	No Schedule			
Apron Around Pump House			Yes		No			
Hoisting Girder			Yes		No			
Civil Structure Condition			Good Fa		ir	Bad		
Approach to Pump	House	•	Good	Fa	ir	Bad		
		Pump De	tails					

Integrated Development and Asset Management Plan (IDAMP)  Municipal Committee Khanewal							
Form:		Tube Well	·	Asset Co	de:		
IDAMP-A1	Asset C	Condition Assessmer	nt	Date	: 03-05-2023		
Pump Type	·						
Pump Make							
Discharge Capacity (Co	usec)						
Rotational Speed (RPN	1)						
Housing Dia (inches)							
Bore Depth (ft.)							
Head (ft.)							
Impeller Installation De	epth (ft.)						
Paint of Pumping Unit							
	e Valve						
Number of Valves Non Valv	-						
Base Plate		Yes	No				
Electro	-Mechanical E	quipment Details					
Transformer Capacity	(kVA)						
Sanctioned Load (Kwh	)						
Motor Power (HP)							
Motor Make							
MCU		Yes	No				
Earthing of Motor		Yes	No				
Power Wiring		Yes	No				
Service Cable		Yes	No				
Earthing of MCU		Yes	Yes No				
Energy Meter		Yes	No				
Water Meter		Yes	No				
PFI Equipment		Yes	No				
Generator		Yes	No				
Change Over		Yes	No				
		Overall Rating					
Average Score	1	2	3	4	5		
Asset Condition	Excellent	Good	Fair	Poor	Failing		
Category	Α	В	С	D	Е		
	Re	emarks / Requireme	nts				
<ul> <li>No remarks</li> </ul>							
Data Collected By: Mr. I	Haroon	Designation: Team	n Member	Harooz. Sign & Date: 30 May 2023			
Data Checked By: Mr. M	ludassar Alvi	Designation: Team Lead			e: 30 May		

# B. OHR

Sr #	Name	Age (Years)	Condition	Status	Book Value (PKR Mil)	Capacity
1	5 Marla Scheme	Not Available	Poor	Abandoned	0	25,000
2	3 Marla Scheme	Not Available	Poor	Abandoned	0	50,000
3	Public Health Office	Not Available	Poor	Non- Functional	0	50,000
4	T Chowk	Not Available	Fair	Functional		50,000
5	Peoples Colony	Not Available	Fair	Functional	·	50,000

In	tegrate	d Develo	pment A	nd As	set Mai	nagement	t Plan (IDAMP)		
	Municipal Committee Khanewal								
Form: IDAMP-A2 A			Over Head Reservo Asset Condition Assess						
Name			5 Ma	rla Sc	heme		Pictures		
1	Latit	ude	3	0.323	34				
Location	Long	itude	7	1.922	23				
Address									
Year of Construct	ion								
Capacity (UK Gallo	ns)		2	25,00	0				
Cleaning Frequenc	y (Per	Year)		0			1		
Type of Structure				RCC			\$		
Structure Condition	n		Good	Fair	Poor	-			
Tank Conditions			Good	Fair	Poor				
Number of	Sluice \	/alve	4			一			
Valves	Non-Re Valve	turning	1			W 11. 040			
Working Status			Functiona I						
Rising Main	L	Dia		8"					
Trising Main		Material	Mild Steel						
Delivery Main		Dia	8"						
-		Material Dia	Mild Steel 6"				4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Overflow & Scour	Dina	Material	Mild Steel			14			
		Rising Main	Yes		No		1 1910A		
Sluice Valve		Delivery Main	Yes		No		G GPS Mar Camera Lite		
Juice valve	_	Scour Pipe	Yes		No				
		Overflo w Pipe	Yes		No				
Stair Case			Yes		No				

Apron Around OHR		Yes No						
Tank Top Railing		Yes		No				
Top Indication Light		Yes	No					
Lightening Arrester		Yes		No				
Boundary Wall & Gate		Yes		No				
<b>Overflow Disposal Arrang</b>	ements	Yes		No				
Approach to OHR		Good Fa	air	Bad				
		Overa	ill R	ating				
Average Score	1	2			3	4	5	
Asset Condition	Excellen	Good		F	air	Poor	Failing	
	t						_	
Category	Α	В		С		D	E	
		Remarks /	Req	uireme	ents			
No remarks								
Data Collected By: Mr. Haroon		Designation: Team Member			lember	Harooz.		
						Sign & Date: 30	May 2023	
Data Checked By: Mr. Mudassar Alvi		Designation: Team Lead			ead	MA	ibi	
						Sign & Date: 30 May 2023		

	Integra	ted Devel	opment A	And A	Asse	et Manage
		N	/unicipal	Com	mit	tee Khane
Form: IDAMP-A2		,				servoir ssessmer
Name			3 M	1arla	Sch	ieme
Location	Latitu	de		30.3	3029	9
Location	Longit	ude		71.9	9412	2
Address						
Year of Construct	ion				06	
Capacity (UK Gall	ons)		50,000			
Cleaning Frequen	cy (Per `	Year)	0			
Type of Structure	•			R	CC	
Structure Condition	on		Good Fair Poor			
Tank Conditions			Good Fair Poor			
Number of	Sluice \	/alve	4			
Valves	Non-Re Valve	turning	1			
Working Status			Function	ial		n- ictional
Rising Main	Dia				<b>'</b> '	
Material		Mild Steel				
Delivery Main				Sto.	- I	
Overflow & Scour Dia			Mild Steel 6"			
Pipe		aterial		Mild Steel		
Sluice Valve	Ris	sing ain	Yes			No

	Delivery Main	Ye:	S		No			
	Scour Pipe	Ye	S		No			B
	Overflow Pipe	Ye			No			
Stair Case		Yes		No				
Apron Around OHR		Yes		No				7
Tank Top Railing		Yes		No				
Top Indication Light		Ye	S		No			
Lightening Arrester		Ye	S		No			
Boundary Wall & Gate		Ye	S		No			
Overflow Disposal Arra	ngements	Ye	S		No		A	>
Approach to OHR		Good	Fai	r	Punjab, Pakistan  Latitude Longitude 30.3029° N 71.9412° E Local 02:51:06 PM Altitude 144.5			ongitude
			Overa	all Ra				
Average Score	1		2		3		4	5
Asset Condition	Excellent	G	Good		Fair		Poor	Failing
Category	Α		В		С		D	Е
		Rema	rks /	Requ	irements			
No remarks								
Data Collected By: Mr. Haroon		Designation: Team Member				Harooz. Sign & Date: 30 May 2023		
Data Checked By: Mr. Mu Alvi	Designation: Team Lead				Sign & Date: 30 May 2023			

Integrated Development And Asset Management Plan (IDAMP)									
	Municipal Committee Khanewal								
Form: IDAMP-A2			Over Head Reservoir Asset Condition Assessmer				Asset Code: ent		
Name			Publi	c Health	Office	Pictures			
1 4:	Latitu	ıde		30.313	0				
Location	Longi	tude		71.925	9				
Address									
Year of Construct	ion								
Capacity (UK Gallo	ons)			50,000	)				
Cleaning Frequenc	cy (Per	Year)		0					
Type of Structure				RCC					
Structure Condition	on		Good	Fair	Poor	1986			
Tank Conditions			Good	Fair	Poor				
Number of	Sluice	Valve		4		1			
Valves		eturning		1					
	Valve								
Working Status			Function	nal Nor					
	П	ia	Functional 8"			==			
Rising Main		aterial	Mild Steel				11		
Dallara Mala		ia		10"	<u>.                                    </u>				
Delivery Main	М	aterial		Mild Ste	el				
Overflow & Scour		ia		6"					
Pipe		aterial	Mild Steel				E I		
	М	ising ain	Yes		No		C. P. C. C.	LIVI	
Sluice Valve	М	elivery ain	Yes		No	11			
Sidice valve	Р	cour ipe	Yes		No				
	_	verflow ipe	Yes		No	1		© SPS Majs Comera ite	
Stair Case			Yes		No				
Apron Around OH	R		Yes		No				
Tank Top Railing Top Indication Lig	ht		Yes		No				
Lightening Arrest			Yes Yes		No No				
Boundary Wall & C			Yes		No				
Overflow Disposal Arrangements		gements	Yes		No				
Approach to OHR			Good	Fair	Bad				
				Overall	Rating				
Average Sco		1		2	3		4	5	
Asset Condition	on	Exceller	nt G	Good	Fair	-	Poor	Failing	
Category		Α		В	С		D	E	
	Remarks / Requirements								
No remarks									

Data Collected By: Mr. Haroon	Designation: Team Member	Harooz.		
		Sign & Date: 30 May 2023		
Data Checked By: Mr. Mudassar Alvi	Designation: Team Lead	Sign & Date: 30 May 2023		

	Integra	ated Devel	opment .	And As	set Mana	agement Plan (IDAMP)	
		N	/unicipal	Comm	ittee Kha	newal	
Form: IDAMP-A2		A			eservoir Assessm	Asset Code: nt	
Name				T Chow	/k	Pictures	
1 4:	Lati	tude		30.303	31		
Location	Lon	gitude		71.923	34		
Address							
Year of Construction	on			1987			
Capacity (UK Gallo	ns)			50,00	0		
Cleaning Frequency	(Per	Year)		1			
Type of Structure				Masoni	-y		
Structure Condition	า		Good	Fair	Poor		
Tank Conditions			Good	Fair	Poor		
	Sluice	Valve		4			
Number of Valves	Non-R Valve	eturning	1				
Working Status	Working Status		Functional Non- Functional				
Rising Main	_	Dia	6"				
Trioning mann		Material	Mild Steel			- 4 5 8	
Delivery Main	<u> </u>	Dia Material		8"	. a l	77	
		materiai Dia	ľ	Mild Ste 6"	eei		
Overflow & Scour F	)IDA -	Material	<u> </u>	Mild Ste	٠6١		
		Rising Main	Yes		No		
Chalan Water	Ī	Delivery Main	Yes		No	(a) GPS Mare	
Sluice Valve		Scour Pipe	Yes		No	Railway Colony Road, Khanewal, Punjab, Pakistan	
		Overflow Pipe	Yes		No	Latitude Longitude 30.3031° N 71.9234° E	
Stair Case		Yes		No	Local 03:20:19 PM Altitude 136.9 meters		
Apron Around OHR		Yes		No	GMT 10:20:19 AM Thursday, 05/04/2023		
Tank Top Railing		Yes		No			
Top Indication Light		Yes		No			
Lightening Arrester Boundary Wall & Gate		Yes Yes		No No			
Overflow Disposal Arrangements		Yes		No No			
Approach to OHR			Good	Fair	Bad		
i ppi dadii to o iii				verall			
				, U. W.I			

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. Hard	Designation: Team Member			Harooz. Sign & Date: 30 May 2023				
Data Checked By: Mr. Muda Alvi	Desig	Designation: Team Lead			Date: 30 May 20	023		

1	ntegr	ated Develo	pment Ar	nd As	set Man	agement Plan (IDAMP)
		Ми	ınicipal C	omm	ittee Kh	anewal
Form:					Reservoi	
IDAMP-A2		As	sset Cond	dition	Assessr	
Name			Peop	les Co	olony	Pictures
Location	Lati	itude	30	0.306	50	
Location	Lon	gitude	71	1.938	31	
Address						
Year of Constructi	on			1992		
Capacity (UK Gallo	ns)		5	0,00	0	
Cleaning Frequenc	y (Pe	r Year)		1		
Type of Structure			M	asoni	^y	
Structure Conditio	n		Good	Fair	Poor	
Tank Conditions			Good	Fair	Poor	
	Sluic	e Valve	4			
Number of Valves No		Returning		1		
	Valv	e		1		
Working Status			Functional Non-Functional			
Rising Main		Dia	8"			
Risiliy Maili		Material	Mild Steel		eel	
Delivery Main		Dia		10"		
Delivery Main		Material	Mi	ld Ste	eel	
Overflow & Scour I	Pine	Dia		6"		
	ipc	Material		ld Ste		
		Rising Main	Yes		No	
		Delivery	Yes		No	
Sluice Valve		Main Scour Pipo	Yes		No	
		Scour Pipe Overflow	162		INU	
		Pipe	Yes		No	
Stair Case			Yes		No	
Apron Around OHF	₹		Yes		No	
Tank Top Railing			Yes		No	
Top Indication Ligh			Yes		No	
Lightening Arreste			Yes		No	
Boundary Wall & G	ate		Yes		No	

Overflow Disposal Arrano	Yes	No								
Approach to OHR		Good Fair	Bad							
	Overall Rating									
Average Score	1	2	3		4	5				
Asset Condition	Excellent	Good	Fa	ir	Poor	Failing				
Category	Α	В	С		О	E				
Remarks / Requirements										
No remarks										
Data Collected By: Mr. Ha	Designation: Team Member			Harooz. Sign & Date: 30 May 2023						
	Designation: Team Lead			Sign & Date: 30 May 2023						
Data Checked By: Mr. Mud				MATERIA						
					Sign & Date: 30 May 2023					

C.	C. Water Supply Network											
Sr #	Dia	Length (meter)	Age (Years)	Condition	Material	Book Value (PKR Mil)						
1	3"	39971	38	Failing	AC	0						
2	4"	5684	38	Failing	AC	0						
3	6"	10388	38	Failing	AC	0						
4	8"	1852	38	Failing	AC	0						
5	10"	2347	38	Failing	AC	0						
6	3"	59957	5	Excellent	UPVC	94						
7	4"	8525	5	Excellent	UPVC	16						
8	6"	15581	5	Excellent	UPVC	38						
9	8"	2778	5	Excellent	UPVC	8.6						
10	10"	3520	5	Excellent	UPVC	12.4						

Int	Integrated Development And Asset Management Plan (IDAMP)								
Municipal Committee Khanewal									
Form:	Form: Water Supply Network								
IDAMP-A5	Asset Con	dition Asses	sment		D	ate: 03-05-2023			
	Description		Area	(Acres)		Percentage			
	Served Area		4	523		47			
	taminated Area								
	er Shortage Area			43		1			
U	Inserved Area		5	166		53			
					ı				
	ality analysis carrie munity network?	d out for	`	⁄es		No			
If yes, which	ch lab and paramete								
Findings of	water quality analy	sis?							
In case of any par	ameter above the p	ermissible							
	nich steps are taken								
safe drinking	water to the consu	mers?							
, ,	water contamination the consumers?	on received	Yes			No			
	ps were taken to re complaints?	solve the							
Pipe Dia (inches)	Pipe Material	Length	n (m)	Year of Lay	ying	Age of Pipe			
3	AC	39,9	71	1985		38			
4	AC	5,68		1985		38			
6	AC	10,3		1985		38			
8	AC	1,85		1985		38			
10	AC	2,34		1985		38			
3	UPVC	59,9	57	2018		5			

4	UPVC	8,525	2018	5					
6	UPVC	15,581	2018	5					
8	UPVC	2,778	2018	5					
10	UPVC	3,520	2018	5					
Remarks / Requirements									
No remarks									
Data Collected By:	Mr. Haroon	Designation: Team Member	Harooz. Sign & Date: 30 May 2023						
Data Checked By: I	Mr. Mudassar Alvi	Designation: Team Lead	Sign & Date: 30 May 2023						

D.	Filtration Pl	ant					
Sr #	Name	Age (Years)	Condition	Status	Book Value (PKR Mil)	Туре	Filtration Capacity (Liters/hour)
1	T-Chowk	15	Fair	Functional	0.3	UF	2000
2	People's Colony	17	Good	Functional	0.3	UF	2000
3	Nizamabad Pulli	5	Good	Functional	1.3	UF	2000
4	Zahoorabad	9	Fair	Functional	0.9	UF	2000
5	Highway Office (Lhr Morr)	10	Fair	Functional	0.9	UF	2000
6	Habit Kot	5	Fair	Functional	1.4	RO	1000
7	City Park	5	Fair	Functional	1.3	UF	2000
8	Nasir Park Tariqabad	5	Fair	Functional	1.3	UF	2000
9	Ahata Kachahri	11	Poor	Functional	0.8	UF	2000
10	Colony no 2	11	Fair	Functional	0.8	UF	2000
11	Jamia Saedia	6	Fair	Functional	1.2	UF	2000
12	Jaswan Nagar	11	Poor	Functional	0.8	UF	2000
13	Colony no 1	11	Poor	Functional	0.8	UF	2000
14	Bukhtyari Garden	5	Fair	Functional	1.4	UF	2000
15	Deene wala	9	Fair	Functional	0.9	UF	2000
16	Kot Ala Singh	5	Good	Functional	1.4	UF	2000
17	Chak 84/10 R	5	Fair	Functional	1.4	RO	1000
18	Chak 88/10 R	11	Poor	Functional	0.8	UF	2000

Int	Integrated Development And Asset Management Plan (IDAMP)								
	Municipal Committee Khanewal								
Form:	Water Filtration Plant	Asset Code:							
15711111 711	•		Date: 03-05-2023						
Name		T-Chowk	Pictures						
Location	Latitude	30.3029							
Location	Longitude	71.9234							
Address									
Installation Year		2008							
Installing Agency		TMA							
O&M Agency		MC							
Filtration Capacity (Liter/Hour) 2000									
Operational Hours		6							

		1			11/1/10	
					廿十	THATLA
					1	
	-					T-1-1-1-1
					口口	
Function	al	Non	-Functio	nal		A CO
Yes			No			
Yes			No			6
Yes			No		117	2632
Yes			No			
Good	Fa	ir	Pod	r	11117	
Good	Fa	ir	Pod	r		
Good	Fair Poor		or			
Overal	l Rating					
1	2		3	4	4	5
Excellent	Good		Fair	Po	or	Failing
А	В		С		)	E
Remarks / F	Requiren	nents				
Designation: Te	am Mem	ıber	Sian &		,	•
Designation: Te					2	
	Function Yes Yes Yes Yes Good Good  Good  Overal 1 Excellent A Remarks / F	RO Local Tube Well Functional Yes Yes Yes Good Good Fa Good Fa Good Fa Good Fa Good Fa Remarks / Requiren  Designation: Team Mem	Local Tube Well Functional Non Yes Yes Yes Yes Good Fair  Good Fair  Overall Rating 1 2 Excellent Good Public Non	RO UF Local Tube Well Public Water So Functional Non-Function Yes No Yes No Yes No Good Fair Poo Sexcellent Good Fair A B C Remarks / Requirements  Designation: Team Member Sign &	RO UF Local Tube Well Public Water Supply Functional Non-Functional Yes No Yes No Yes No Good Fair Poor Good Fair Poor Good Fair Poor  Good Fair Poor   Overall Rating 1 2 3 4 Excellent Good Fair Po A B C E Remarks / Requirements  Designation: Team Member  Sign & Date:  Designation: Team Lead	RO UF Local Tube Well Public Water Supply Functional Non-Functional Yes No Yes No Yes No Good Fair Poor Good Fair Poor  Good Fair Poor  Overall Rating 1 2 3 4 Excellent Good Fair Poor A B C D Remarks / Requirements  Designation: Team Member  Sign & Date: 30 May

	Integrated Deve	elopment And	Asset Ma	anageme	ent Plan	(IDAM	IP)	
		Municipal Cor	nmittee K	Chanewa	al			
	Form:	Water Filtration Plant Asset Condition Assessment				Ass	Asset Code:	
	DAMP-A4	Asset Co						03-05-2023
Name	T		People's		'		F	Pictures
Location	Latitude			3060				
	Longitude		71.9	9381				
Address								
Installation `				06				
Installing Ag				ИA				
O&M Agency				IC .			-	2 2
	pacity (Liter/Hour)			00				11-12
Operational	Hours			5				
No. of Taps			1	0			The second	
	t (If Available)							
Latest water carried out?	quality analysis							A5 /
If yes, which							A. W.	
parameters?								
•	vater quality							
analysis?							9	
	y parameter above							THE PERSON NAMED IN
	ble limit, which ken to provide safe							kepissi eleve
water?	kell to provide sale							
Plant Type		RO			UF			14 3 E
Source of W	ater	Local Tube Well Public V			Water Supply			
Working Sta	tus				on-Functional			
Pumping Uni		Yes		No				
Control Pane	el	Yes			No			
Service Cabl	е	Yes			No			
Ultraviolet L	amp	Yes			No			
Takeaway H	all Condition	Good	Fá	air Poor		r		
Building Stru	ucture Condition	Good	Fá	air	Pod	r		
Approach to	Pump House	Good	Fá	air	Pod	r		
		Over	all Rating				•	
Ave	rage Score	1	2		3		4	5
	et Condition	Excellent	Good		Fair	Po	or	Failing
	Category	А	В		С	I	D	E
	- ,	Remarks /	Requirer	nents				
No rema	arks							
Data Collecte	ed By: Mr. Haroon	Designation: 1	eam Men	nber	Sian &		aroo/ 30 Ma	v 2023
Data Checke Alvi	d By: Mr. Mudassar	Designation: 1	eam Lead	d		M	Arb	

	Sign & Date: 30 May 2023
	ISIUH & Dale. SU May 7073
	C.g.: a = a:c: c c :::a   = c = c

Integrated De	velopment An	d Asset I	Mana	gemen	t Plan (IC	AMP)	
	Municipal Co	ommittee	Kha	newal			
Form:		iltration			•	Asset Cod	
IDAMP-A4	Asset Cond	dition Ass	sessm	nent			03-05-2023
Name		Nizamal		ulli		P	Pictures
Location Latitude		30.3	091				
Longitude		71.9	440				
Address							
Installation Year		20	18				
Installing Agency		PH	ED				D
O&M Agency		M	С			a al la	Towns II. (1)
Filtration Capacity							
(Liter/Hour)		20	00			PM	
Operational Hours		(	5				6 6 6
No. of Taps		ĺ	5				
Effluent Test (If Available)							
Latest water quality analysis							
carried out?							
If yes, which lab and							
parameters?							
Findings of water quality							
analysis? In case of any parameter						gozpha a	
above the permissible limit,						1 200	
which steps are taken to							M A ST
provide safe water?						Seed a	
Plant Type	RO UF				(E) 11		
Source of Water	Local Tube Well Public Water			er Supply			
Working Status	Functio	nal	N	lon-Fur	ictional	110	
Pumping Unit	Yes			N	0		
Control Panel	Yes			N	0		
Service Cable	Yes		No				
Ultraviolet Lamp	Yes			N			
Takeaway Hall Condition	Good	Fa	air		Poor		Wall to
Building Structure Condition	Good		air		Poor		180
Approach to Pump House	Good	Fá			Poor		
Approach to Fullip House		erall Rati			1 001		
Average Score	1	2	ig	3		4	5
-	_				_	-	
Asset Condition				Poor	Failing		
Category	A	B		C		D	E
	Remarks	/ Requir	emer	ITS			
• No remarks				т			
Data Collected By: Mr. Haroon	Designation:	: Team M	embe	r	f	Laron	<del>}</del> .
					Sign & Da	ate: 30 Ma	y 2023

Data Checked By: Mr. Mudassar Alvi

Designation: Team Lead

Sign & Date: 30 May 2023

	Integrated Dev	elopment And	l Asset	Man	agem	ent Plan	(IDAM	P)	
		Municipal Co	mmitte	ee Kh	anew	al			
F	Form:	Water F	iltratio	n Pla	nt		Ass	set Code:	
IDA	MP-A4	Asset Cond	ition A	sses	sment			Date:	03-05-2023
Name			Za	hoora	abad			F	Pictures
Location	Latitude		3	0.31	.59				
Location	Longitude		7	1.95	65				
Address									
Installation Y	ear			201	4				
Installing Age	ency			TMA	4				
O&M Agency				МС					
Filtration Cap	acity			200	0				
(Liter/Hour)									
Operational H	lours			6					
No. of Taps				5					
Effluent Test									
Latest water carried out?	quality analysis								
If yes, which I	lab and								
parameters?									
Findings of wa	ater quality								
analysis?									
In case of any	parameter missible limit,							1	
which steps a									
provide safe v								7	
Plant Type		RO				UF		I B	
Source of Wa	ter	Local Tub	e Well		Public	: Water S	upply		
Working Statu	us	Functio	nal		Nor	n-Functio	nal		
Pumping Unit		Yes				No		1	
Control Panel		Yes			No				
Service Cable	<u> </u>	Yes				No			7
Ultraviolet La	ımp	Yes				No		10	
Takeaway Ha	II Condition	Good		Fair	-	Pod	or	194	12 30
Building Struc	cture Condition	Good		Fair	-	Pod	or	7/01	
Approach to F	Pump House	Good						1	
		Ovei	rall Rat	ting					
Avera	age Score	1	2	2		3	4	-	5
Asset	Condition	Excellent						or	Failing
Ca	tegory	A B C D					)	E	
		Remarks	/ Requ	irem	ents				
No remar	-ks								

Data Collected By: Mr. Haroon	Designation: Team Member	Harooz.
		Sign & Date: 30 May 2023
Data Checked By: Mr. Mudassar Alvi	Designation: Team Lead	Sign & Date: 30 May 2023

	Integrated Deve	elopment And	d Asset M	lana	igem	ent Plan	(IDA	MP)	
		Municipal Co							
-	orm: MP-A4	Water F Asset Cond	iltration ition Ass				As	sset Cod Date:	e: 03-05-2023
Name		High	nway Offi	ce (l	Lhr M	lorr)		Pi	ictures
1 11	Latitude		30.3	3179	9				
Location	Longitude		71.9	215	5				
Address									
Installation Ye	ear		20	13					
Installing Agei	ncy		PH	IED				13.50	The state of
O&M Agency			N	IC					
	acity (Liter/Hour)		20	00				**	
Operational H	ours		(	<u> </u>					
No. of Taps			Į	5				RITE	
Effluent Test (	(If Available)								
Latest water o	quality analysis								
carried out?									
If yes, which la	ab and								
parameters? Findings of wa	otor quality								
analysis?	itel quality								
In case of any above the per which steps ar provide safe w	missible limit, re taken to								
Plant Type		RO				UF			-
Source of Wat	er	Local Tub	e Well	Pul	blic V	Vater Sup	ply		
Working Statu	S	Functio	nal	_	Non-I	Function	al		
Pumping Unit		Yes				No			
Control Panel		Yes				No		1	
Service Cable		Yes				No		1	The same of the sa
Ultraviolet Lamp Yes No									
Takeaway Hal	Hall Condition Good Fair Poor								
<b>Building Struc</b>	ture Condition	Good Fair Poor							
Approach to P	ump House	Good	Fá	air		Poor			
		Ove	rall Ratin	ıg			_		
Avera	ge Score	1	2			3		4	5
Asset	Condition	Excellent	Good	1		Fair	F	oor	Failing
Cat	tegory	А	В			С		D	Е

Remarks / Requirements						
No remarks						
Data Collected By: Mr. Haroon	Designation: Team Member	Harooz. Sign & Date: 30 May 2023				
Data Checked By: Mr. Mudassar Alvi	Designation: Team Lead	MA122 Sign & Date: 30 May 2023				

	Integrated Deve	elopment And	Asset Mar	nagement Plan	(IDAMP)
		Municipal Co	mmittee Kh	nanewal	
	orm: MP-A4	Water F Asset Cond	iltration Pla ition Asses		Asset Code: Date: 03-05-2023
Name			Habit Kot		Pictures
Location	Latitude		30.3080		
Location	Longitude		71.9213		
Address					
Installation Yea	ar		2018		A 464
Installing Agen	су		PHED		AND AND A
O&M Agency			МС		
Filtration Capa	city (Liter/Hour)		1000		
Operational Ho	ours		6		Taranga Lating
No. of Taps			8		
Effluent Test (I	lf Available)				P - spale a strange
Latest water q carried out?	uality analysis				
If yes, which la parameters?					
Findings of wat analysis?					(C
In case of any pabove the pern which steps are provide safe wa	nissible limit, e taken to				
Plant Type		RC	)	UF	THE LINE
Source of Wate	er	Local Tul	oe Well	Public Water Supply	
Working Status		Functi	onal	Non- Functional	
Pumping Unit		Ye	5	No	
Control Panel		Ye	5	No	
Service Cable		Ye	5	No	
Ultraviolet Lan	np	Ye	5	No	
Takeaway Hall	Condition	Good	Fair	Poor	
<b>Building Struct</b>	ure Condition	Good	Fair	Poor	
Approach to Pu	ump House	Good	Fair	Poor	

Overall Rating									
Average Score	1	2	3	3 4 5					
<b>Asset Condition</b>	Excellent	Good	Fair	Poor Failir					
Category	Α	В	С	D	E				
		Remarks / R	equirements						
No remarks									
Data Collected By:	Hard Sign & Date: 30	- (							
Data Checked By: Alvi	Mr. Mudassar	Designation: Tea	am Lead	Sign & Date: 30	ibi				

Ir	ntegrated Dev	elopment And Asset N	Management Plan (ID	AMP)						
	Municipal Committee Khanewal									
Form IDAMP-	•	Water Filtration Asset Condition As	Asset Code: Date: 03-05-2023							
Name		City	Park	Pictures						
Location	Latitude	30.3	3003							
Location	Longitude	71.9	9159							
Address										
Installation Year		20	)18							
Installing Agency		PH	IED							
O&M Agency		N	1C	A						
Filtration Capacit (Liter/Hour)	у	20	000							
Operational Hours	s									
No. of Taps										
Effluent Test (If A	vailable)									
Latest water qual carried out?	ity analysis									
If yes, which lab a parameters?										
Findings of water analysis?	quality									
In case of any parameter above the permissible limit, which steps are taken to provide safe water?										
Plant Type		RO	UF							
Source of Water		Local Tube Well	Public Water Supply	<u>/                                    </u>						
Working Status		Functional	Non-Functional							
Pumping Unit		Yes	No							
Control Panel	Control Panel		No							
Service Cable		Yes	No							
Ultraviolet Lamp		Yes	No							

Takeaway Hall Co	ndition	Good	Fair	Poor	
Building Structure	Condition	Good	Fair	Poor	ton
Approach to Pump House		Good	Fair	Poor	
		Overa	ll Rating		
Average Score	1	2	3	4	5
Asset Condition	Excellent	Good	Fair	Poor	Failing
Category	Α	В	С	D	E
		Remarks /	Requirements		
No remarks					
Data Collected By: Mr. Haroon		Designation: Team Member		Ha Sign & Date: 3	rooz. 0 May 2023
Data Checked By: Mr. Mudassar Alvi		Designation: Team Lead		Sign & Date: 3	the

	Integrated Development And Asset Management Plan (IDAMP)								
	Municipal Committee Khanewal								
	orm: MP-A4	Water Filtration Plant Asset Condition Assessment	As	set Code: Date: 03-05-2023					
Name		Nasir Park Tariqabad		Pictures					
Location	Latitude	30.2959							
Location	Longitude	71.9125							
Address									
Installation Year	•	2018							
Installing Agency	у	PHED							
O&M Agency		MC							
Filtration Capaci	ity (Liter/Hour)	2000							
Operational Hou	rs	6							
No. of Taps		6							
Effluent Test (If	Available)								
Latest water quality analysis carried out?									
If yes, which lab	and parameters?								

Findings of water analysis?	er quality					de la	
In case of any p the permissible are taken to pro	limit, which ste	ps				. 1 11	
Plant Type		RO			UF		
Source of Water	r	Local Tube	Well		lic Water Supply		
<b>Working Status</b>		Function	al	Non-l	Functional		
Pumping Unit		Yes			No		
Control Panel		Yes			No		
Service Cable		Yes			No		
Ultraviolet Lam	р	Yes			No		
Takeaway Hall (	Condition	Good	Fá	air	Poor	10 100 100	
Building Structu	re Condition	Good	Fá	air	Poor		Punjab, Pakistan
Approach to Pu	Approach to Pump House		Fá	air	Poor	Latitude 30.2959° N Local 05:52:52 PM GMT 12:52:52 PM	Longitud 71.9125 Altitude Wednesd
		Overall					
Average Score	1	2		3	4		5
Asset Condition	Excellent	Good	F	air	Poor	Fá	ailing
Category	Α	В		С	D		E
		Remarks / Re	equiren	nents			
No remarks							
Data Collected By: Mr. Haroon		Designation: Tea	m Mem	ber	Harooz.		023
Data Checked By: Mr. Mudassar Alvi		Designation: Tea	esignation: Team Lead		Sign & Date: 30 May 2023  Sign & Date: 30 May 2023		

Integrated Development And Asset Management Plan (IDAMP)							
	Municipal Committee Khanewal						
Form: Water Filtration Plant Asset Code:							
Name		Ahata Kachahri	Pictures				
Laastian	Latitude	30.301944					
Location	Longitude	71.926944					
Address							
Installation Year 2012							
Installing Agency		TMA					

O&M Agency			M	1C				
Filtration Capacity			20	000				
(Liter/Hour) Operational Hours			6					
No. of Taps				o 7				
Effluent Test (If A	(ailabla)			1				
Latest water qualit								
carried out?	ly allalysis							
If yes, which lab ar	nd							A STATE OF THE STA
parameters?								
Findings of water of	quality						1	
analysis? In case of any para	meter							24
above the permissi								
which steps are tal								· HAMOLAN MAN
provide safe water	?						T &	
Plant Type		RO			JF			
Source of Water		Local Tube W	ell	Public Su	: Wat pply	er		
Working Status		Functional Non-Function		onal				
Pumping Unit		Yes		١	10		10	
Control Panel		Yes		١	10			
Service Cable		Yes		١	10			
Ultraviolet Lamp		Yes No						
Takeaway Hall Con	dition	Good		Fair	P	oor		
<b>Building Structure</b>	Condition	Good		Fair	Po	oor		
Approach to Pump	House	Good		Fair	Po	oor		
		Overa	II Ra					
Average Score	1	2		3			4	5
Asset Condition	Excellent	Good		Fair			Poor	Failing
Category	А	В		С			D	Е
		Remarks / F	Req	uirement	S			
No remarks						1		
Data Collected By: Mr. Haroon		Designation: Team Member		Harooz.		•		
						Sign	& Date: 30	May 2023
Data Checked By: Mr. Mudassar Alvi		Designation: Te	eam	Lead			MA	ibi
						Sign	& Date: 30	May 2023

	Integrated Development And Asset Management Plan (IDAMP)						
	Municipal Committee Khanewal						
	Form: AMP-A4	Water Filtration Plant Asset Condition Assessment	As	set Code: Date: 03-05-2023			
Name	Colony no 2 Picture			Pictures			
Location	Latitude	30.2951					

	Longitude		71.9	288			
Address						***	
Installation Yea	r		20	12			
Installing Agend		TN	ИΑ		Ű		
O&M Agency			M	IC			
Filtration Capac	ity		20	00			
(Liter/Hour)							
Operational Hou	ırs			5			
No. of Taps			1	0		1 4 4 6 6 6 6 6	
Effluent Test (If	· · · · · · · · · · · · · · · · · · ·						
Latest water qu carried out?	ality analysis						
If yes, which lab	and						
parameters?	, una						
Findings of wate	er quality						
analysis?							
In case of any p							
above the perm which steps are							
provide safe wa							
Plant Type		RO			UF		
Source of Water	r	Local Tube	Well	Public	Water Supply		
Working Status		Functiona	al		-Functional		
Pumping Unit		Yes			No		
Control Panel		Yes		No			
Service Cable		Yes		No			
Ultraviolet Lam	р	Yes		No			
Takeaway Hall (	Condition	Good	Fa	air Poor			
Building Structu		Good	Fa	air	Poor		
Approach to Pu	mp House	Good	Fa	air	Poor	A K	
		Overa	II Ratin	g			
Average	1	2		3	4	5	
Score							
Asset	Excellent	Good		Fair	Poor	Failing	
Condition Category	A	В		С	D	E	
Category		Remarks / I	Pennira				
No remarks		Remarks / 1	tequire	inches			
Data Collected By: Mr. Haroon		Designation: Te	am Ma	mhor	H	aroon.	
Data Collected by. Mr. Haroon		Designation. Te	aiii we	шыег		•	
					sign & Date	e: 30 May 2023	
Data Checked By	/· Mr Mudassar				$\bigvee$	Arbi	
Alvi		Designation: Te	eam Lea	ad	,	11,000	
					Sign & Date	e: 30 May 2023	
L		l .			J. g. , a Date	, ====	

Integrated Development And Asset Management Plan (IDAMP)

		Municipal Com	mittee	Khanev	val			
For IDAM		Water Filt Asset Conditi			t		Asset Code: Date: 03-05-2023	
Name			Jamia	Saedia			Pictures	
1 11	Latitude		30.2	2910				
Location	Longitude	71.9277						
Address	1							
Installation Yea	r		20	17				
Installing Agend	Cy		PH	ED				
O&M Agency	,		M	IC		400		
Filtration Capac (Liter/Hour)	city		20	00				
Operational Hou	ırs		(	5		A L		
No. of Taps			}	3		4		
Effluent Test (If	Available)							
Latest water qu carried out?						1		
If yes, which lab parameters?								
Findings of wate analysis?	, ,							
In case of any p above the perm which steps are	issible limit,						19 3	
provide safe wa						Name :	1	
Plant Type		RO UF			UF	+		
Source of Water	r				Water Sup	ply	E Para F	
Working Status		Functiona	ıl	Non	-Functiona			
Pumping Unit				Yes No			a different	
Control Panel		Yes			No	1		
Service Cable		Yes			No	4		
Ultraviolet Lam	р	Yes			No			
Takeaway Hall (		Good	Fá	air	Poor			
Building Structu		Good	Fá	air	Poor			
Approach to Pu	mp House	Good	Fa	air	Poor			
		Overa	II Ratir	ng				
Average Score	1	2		3		4	5	
Asset Condition	Excellent	Good	l Fair		Po	oor	Failing	
Category	А	B C D		D	Е			
	Remarks /	Require	ements					
No remarks	;		•					
Data Collected By: Mr. Haroon		Designation: Team Member			Sign & I	Harooz.  1 & Date: 30 May 2023		

Data Checked By: Mr. Mudassar Alvi

Designation: Team Lead

	Integrated Dev	elopment And	Asset N	/lanagem	ent Plan (IDA	MP)	
		Municipal Con	nmittee	Khanewa	al		
For		Water Fil			As		Code:
IDAM	P-A4	Asset Condit	ion Ass	essment		Da	te: 03-05-2023
Name				n Nagar			Pictures
I ocation -	atitude			2939			
L	ongitude		71.9	9316			100
Address						-	
Installation Yea	ır		20	12			
Installing Agend	СУ		T١	ИΑ			12
O&M Agency			М	IC			
Filtration Capac	city		20	00			
(Liter/Hour)							
Operational Hou	urs			<u> </u>			
No. of Taps	: A! - - -		•	5			
Effluent Test (If	•						
Latest water qu carried out?	idiity diidiysis						
If yes, which lab	o and						
parameters?							
Findings of wate	er quality						
analysis?						·	
In case of any p above the perm							
which steps are							
provide safe wa							
Plant Type		RO			UF		
Source of Wate	r	Local Tube	Well	Public V	Vater Supply		
<b>Working Status</b>		Function	al	Non-l	on-Functional		
Pumping Unit		Yes			No		
Control Panel		Yes			No		12
Service Cable		Yes			No		
Ultraviolet Lam	р	Yes			No		
Takeaway Hall (	Condition	Good	Fá	air	Poor		
Building Structu	ure Condition	Good	Fá	air	Poor		
Approach to Pump House		Good	Fá	air	Poor		
		Overa	all Ratir	ng			
Average	1	2		3	4		5
Score	F " '			<b>-</b>			F '''
Asset	Excellent	Good Fair		rair	Poor		Failing
Condition Category	A	В		С	D		E
9 1	l	Remarks /	Require				

No remarks		
Data Collected By: Mr. Haroon	Designation: Team Member	Harooz.
		Sign & Date: 30 May 2023
Data Checked By: Mr. Mudassar Alvi	Designation: Team Lead	MArbi
		Sign & Date: 30 May 2023

		I			1919	n & Dutc. 30 May 2023
	Integrat	ed Development	And A	sset M	lanagement	Plan (IDAMP)
		Municipa	al Comi	mittee	Khanewal	
Form IDAMP-		Water F Asset Cond				Asset Code: Date: 03-05-2023
Name			Colon	y no 1		Pictures
Location	Latitude		30.2	2928		
Location	Longitude		71.9	9240		A STAR OF THE
Address						
Installation	Year		20	12		when the street was
Installing A	gency		T۱	ИΑ		
O&M Agenc			М	IC		
Filtration C (Liter/Hour			20	00		
Operational	Hours		6	5		
No. of Taps			8	3		
Effluent Tes	st (If Available)	)				
Latest water						
analysis car					10 A	
If yes, whic						
parameters	<u>?</u> water quality					© GPS Map Camera Ule
analysis?	water quality					
In case of a above the p	ny parameter ermissible limi are taken to e water?	t,				
Plant Type		RO			UF	
Source of W	/ater	Local Tube	Well		olic Water Supply	
Working Sta	atus	Function	nal	Non	-Functional	
Pumping Ur	nit	Yes			No	
Control Par	Control Panel				No	
Service Cab	Service Cable				No	
Ultraviolet	Lamp	Yes			No	
Takeaway H	lall Condition	Good	Fá	air	Poor	
<b>Building Str</b>	ucture Conditi	on Good	Fá	air	Poor	
Approach to	Pump House	Good	Fá	air	Poor	
			Overal	II Ratin	g	

Average	1	2	3	4	5		
Score				_			
Asset	Excellent	Good	Fair	Poor	Failing		
Condition							
Category	Α	В	С	D	E		
		Remarks / R	equirements				
No remarks							
Data Collected B	y: Mr. Haroon	Designation: Team Member		Harooz.			
				Sign & Date: 30 May 2023			
Data Checked By Alvi	: Mr. Mudassar	Designation: Tea	m Lead	MArbi			
				Sign & Date: 30 I	May 2023		

	Int	tegrated	Development And A	sset Manageme	ent Plan (IDAMP)
			Municipal Comr	mittee Khanewa	al
Form IDAMP	-		Water Filtratio Asset Condition A		Asset Code: Date: 03-05-2023
Name			Bukhtyar	i Garden	Pictures
Location	Latitude		30.2	806	
Location	Longitud	le	71.9	085	
Address					
Installation	Year		20	18	
Installing A	gency		PH	ED	
O&M Agend	су		М	С	
Filtration C (Liter/Hour	Filtration Capacity (Liter/Hour)		2000		- No.
Operationa	l Hours		6	5	
No. of Taps	5		6	5	ALL MENSELS HOURS STANDARD SERVICES
Effluent Te	st (If Ava	ilable)			
Latest wate analysis ca	, ,				and and
If yes, which					
Findings of water quality analysis?					
In case of a above the p which step provide saf	permissib s are take	le limit,			
Plant Type			RO	UF	

Source of Water		Local Tube	Well		blic Water Supply			
Working Status		Function	Functional		-Functional	7	-	
Pumping Unit		Yes			No			
Control Panel		Yes			No	£		
Service Cable		Yes			No			
Ultraviolet Lamp	)	Yes			No			
Takeaway Hall C	ondition	Good	Fa	iir	Poor			
<b>Building Structu</b>	re Condition	Good	Fa	iir	Poor	50		
Approach to Pump House		Good	Good Fair		Poor			
			Overal	l Ratin	g			
Average Score	1	2	2		3	4	5	
Asset Condition	Excellent	Goo	Good		Fair	Poor	Failing	
Category	Α	В		С		D	E	
		Rema	arks / R	equire	ements			
No remarks								
Data Collected By: Mr. Haroon		Designati	Designation: Team Member		nber	Harooz.		
						Sign & Date: 30 N	May 2023	
Data Checked By Alvi	Data Checked By: Mr. Mudassar Alvi		Designation: Team Lead		d	MA	b.	
						Sign & Date: 30 May 2023		

	Integra	ted Development And Asset Management F	Plan (IDAMP)						
	Municipal Committee Khanewal								
Forn IDAMP		Water Filtration Plant Asset Condition Assessment	Asset Code: Date: 03-05-2023						
Name		Deene wala	Pictures						
Location	Latitude	30.3339							
Location	Longitude	71.8977							
Address									
Installation	Year	2014							
Installing A	gency	TMA							
O&M Agen	су	MC							
Filtration Capacity (Liter/Hour)		2000							
Operational Hours		3							
No. of Taps		6							
Effluent Te	st (If Available	)							

Latest water qua analysis carried							
If yes, which lab	and					Troping of	A STATE OF THE STA
parameters? Findings of wate analysis?	er quality						+++
In case of any pa above the permi which steps are provide safe wat	ssible limit, taken to					0000000	00 00 00 00 0
Plant Type		RO			UF		T D I
Source of Water		Local Tube	Well		blic Water Supply		
<b>Working Status</b>		Function	ıal	Non	-Functional		
Pumping Unit		Yes			No		<b>⊚</b> GPS Map
Control Panel		Yes			No		
Service Cable		Yes			No		700
Ultraviolet Lamp		Yes			No	100000000000000000000000000000000000000	
Takeaway Hall C		Good	Fa		Poor		
Building Structu	re Condition	Good	Fa	ir	Poor		
Approach to Pump House		Good	Fa		Poor		
-			Overal	Ratin			_
Average Score	1	2			3	4	5
Asset Condition	Excellent	Goo	od		Fair	Poor	Failing
Category	А	В			С	D	Е
		Rema	rks / R	equire	ements		
No remarks							
Data Collected B	Data Collected By: Mr. Haroon		Designation: Team Member			Haro Sign & Date: 30 I	
Data Checked By Alvi	Data Checked By: Mr. Mudassa Alvi		on: Tea	ım Lea	d	Sign & Date: 30 I	لط
L						12.9 a Date, 501	,

Integrated Development And Asset Management Plan (IDAMP)

**Municipal Committee Khanewal** 

Form: IDAMP-A4			Water Fi set Condi					et Code: Date: 03-05-2023
Name			I	Kot Ala	Singh		F	Pictures
Location Latit	ude			30.2	1850			
Long	jitude			71.9	171			
Address								
Installation Year				20	18			
Installing Agenc	У			PH	ED			
O&M Agency				М	С			
Filtration Capaci (Liter/Hour)	ty			20	00			
Operational Hou	rs			3	}			
No. of Taps				1	0			
Effluent Test (If	Available)						FEBRUAR	
Latest water qua analysis carried	•							
If yes, which lab parameters?	and						790000	
Findings of wate analysis?	r quality							
In case of any pa	rameter						MENNEN	SEED SEEDS PARTY.
above the permi	ssible limit,							Anna Maria Maria Maria
which steps are							TAB TEST	ALLES AND MEDICAL
provide safe wat	er?	DO 115			HOLES LINE	A STATE OF THE PARTY OF THE PAR		
Plant Type		RO			UF		G.GPS Map	
Source of Water		Local Tube Well			olic Water Supply		Camera Lite	
Working Status		Functional		Non-	-Functional			
Pumping Unit		Yes				No		
Control Panel		Yes		No				
Service Cable		Yes		No				
Ultraviolet Lamp	)		Yes		No			
Takeaway Hall C	ondition	G	Good	Fa	ir	Poor		
Building Structu	re Condition	G	Good	Fa	ir	Poor		
Approach to Pur		G	Good	Fa	ir	Poor		
				Overal				
Average Score	1		2			3	4	5
Asset Condition	Excellent		Goo	d		Fair	Poor	Failing
Category	A		В			С	D	E
category	A	Remarks / Requirements			D	L		
No remarks			Reilla	1K5 / K	equire	illelits		
Data Collected B	y: Mr. Haroon				Hai Sign & Date: 30	Harooz.		
Data Checked By Alvi	: Mr. Mudassa	ir D	esignatio	on: Tea				7 b

Sign & Date: 30 May 2023

Numicipal Committee Khanewal   Form:		I	ntegrated I	Development	And A	sset N	lanagemen	t Plan (IDAMP)	
IDAMP-A4		Municipal Committee Khanewal							
Location   Latitude   Longitude   T1.9803   Address   Location   T1.9803   Address   Installation Year   2018   Installation Year   2018   Installation Agency   PHED   O&M Agency   MC   Filtration Capacity (Liter/Hour)   1000   Operational Hours   6   No. of Taps   4   Effluent Test (If Available)   Latest water quality analysis carried out?   If yes, which lab and parameters?   Findings of water quality analysis?   In case of any parameter above the permissible limit, which steps are taken to provide safe water?   Plant Type   RO									
Location   Latitude   Longitude   T1.9803   Address   Location   T1.9803   Address   Installation Year   2018   Installation Year   2018   Installation Agency   PHED   O&M Agency   MC   Filtration Capacity (Liter/Hour)   1000   Operational Hours   6   No. of Taps   4   Effluent Test (If Available)   Latest water quality analysis carried out?   If yes, which lab and parameters?   Findings of water quality analysis?   In case of any parameter above the permissible limit, which steps are taken to provide safe water?   Plant Type   RO	Name			(	Chak 8	4/10 F	}	Pic	tures
Location   Longitude   71.9803   Address   Installation Year   2018   Installing Agency   PHED   O&M Agency   MC   Filtration Capacity (Liter/Hour)   1000   Operational Hours   6   No. of Taps   4   Effluent Test (if Available)   Latest water quality analysis carried out?   If yes, which lab and parameters?   Findings of water quality analysis?   In case of any parameter above the permissible limit, which steps are taken to provide safe water?   Plant Type   RO	li li	l atitud	6					-	
Address Installation Year Installing Agency PHED O&M Agency Filtration Capacity (Liter/Hour) Operational Hours No. of Taps Effluent Test (If Available) Latest water quality analysis carried out? If yes, which lab and parameters? Findings of water quality analysis? In case of any parameter above the permissible limit, which steps are taken to provide safe water? Plant Type RO UF Source of Water Local Tube Well Public Water Supply Working Status Functional Pumping Unit Yes No Control Panel Yes No Service Cable Yes No Ultraviolet Lamp Takeaway Hall Condition Approach to Pump House Good Fair Poor Approach to Pump House Overall Rating Average Score Asset Excellent Condition Category A B C D E Remarks / Requirements	II ocation $\vdash$								
Installing Agency		Longite	7GC		11.7	005			
Installing Agency  O&M Agency  Filtration Capacity (Liter/Hour)  Operational Hours  No. of Taps  Effluent Test (If Available) Latest water quality analysis carried out?  If yes, which lab and parameters? Findings of water quality analysis?  In case of any parameter above the permissible limit, which steps are taken to provide safe water?  Plant Type  Source of Water  Local Tube Well Public Water Supply  Working Status  Functional Non-Functional Pumping Unit  Yes No  Control Panel Yes No  Service Cable Yes No  Ultraviolet Lamp Yes No  Takeaway Hall Condition Good Fair Poor Building Structure Condition Approach to Pump House Good Fair Poor  Asperage 1 2 3 4 5  Score  Asset Excellent Good Fair Poor Failing  Condition  Category A B C D E  Remarks / Requirements	Installation \	Year			20	18			San
O&M Agency Filtration Capacity (Liter/Hour) Operational Hours No. of Taps  Effluent Test (If Available) Latest water quality analysis carried out? If yes, which lab and parameters? Findings of water quality analysis? In case of any parameter above the permissible limit, which steps are taken to provide safe water? Plant Type  Source of Water  Local Tube Well Supply Working Status Functional Pumping Unit Yes No Control Panel Yes No Service Cable Yes No Service Cable Yes No Ultraviolet Lamp Yes No Building Structure Condition Good Approach to Pump House Good Fair Poor Approach to Pump House Good Fair Poor Asset Score Asset Excellent Condition Category A B C D E  Remarks / Requirements	Installing Ag	jency			PH	ED		A leadingers	
Filtration Capacity (Liter/Hour)  Operational Hours  No. of Taps  Effluent Test (If Available)  Latest water quality analysis carried out? If yes, which lab and parameters?  Findings of water quality analysis? In case of any parameter above the permissible limit, which steps are taken to provide safe water?  Plant Type  Source of Water  Local Tube Well  Supply  Working Status  Functional  Pumping Unit  Yes  No  Control Panel  Yes  No  Service Cable  Yes  No  Ultraviolet Lamp  Yes  No  Building Structure Condition  Good  Fair  Poor  Approach to Pump House  Good  Fair  Poor  Average  Average  Average  Asset  Excellent  Condition  Category  A  B  C  D  E  Remarks / Requirements					М	С			
Operational Hours 6 No. of Taps 4  Effluent Test (If Available)  Latest water quality analysis carried out? If yes, which lab and parameters? Findings of water quality analysis? In case of any parameter above the permissible limit, which steps are taken to provide safe water? Plant Type RO UF  Source of Water Local Tube Well Public Water Supply Working Status Functional Non-Functional Pumping Unit Yes No Control Panel Yes No Service Cable Yes No Ultraviolet Lamp Yes No Ultraviolet Lamp Yes No Building Structure Condition Good Fair Poor Building Structure Condition Good Fair Poor Approach to Pump House Good Fair Poor  Average 1 2 3 4 5  Condition Category A B C D E  Remarks / Requirements	Filtration Ca	pacity							
No. of Taps  Effluent Test (If Available) Latest water quality analysis carried out? If yes, which lab and parameters? Findings of water quality analysis? In case of any parameter above the permissible limit, which steps are taken to provide safe water? Plant Type  Source of Water  Local Tube Well Public Water Supply Working Status Functional Pumping Unit Yes No Control Panel Yes No Service Cable Yes No Ultraviolet Lamp Yes No Takeaway Hall Condition Good Fair Poor Building Structure Condition Approach to Pump House Good Fair Poor  Average Score Asset Score Asset Condition Category A B C D E  Remarks / Requirements						)			
Effluent Test (If Available) Latest water quality analysis carried out? If yes, which lab and parameters? Findings of water quality analysis? In case of any parameter above the permissible limit, which steps are taken to provide safe water? Plant Type  RO  UF  Source of Water  Local Tube Well Public Water Supply Working Status Functional Pumping Unit Yes No Control Panel Yes No Service Cable Yes No Ultraviolet Lamp Yes No Takeaway Hall Condition Good Approach to Pump House Good Fair Poor  Average Average Asset Condition Category A B C D E  Remarks / Requirements									
Latest water quality analysis carried out?  If yes, which lab and parameters? Findings of water quality analysis?  In case of any parameter above the permissible limit, which steps are taken to provide safe water?  Plant Type  Source of Water  Local Tube Well  Public Water Supply  Working Status  Functional  Pumping Unit  Yes  No  Control Panel  Yes  No  Service Cable  Ultraviolet Lamp  Takeaway Hall Condition  Good  Fair  Poor  Approach to Pump House  Average  Asset  Score  Asset  Condition  Category  A  B  C  D  E  Remarks / Requirements	-	t (If Av	ailable)						
If yes, which lab and parameters? Findings of water quality analysis? In case of any parameter above the permissible limit, which steps are taken to provide safe water? Plant Type  RO  UF  Source of Water  Local Tube Well  Public Water Supply  Working Status  Functional  Non-Functional  Pumping Unit  Yes  No  Control Panel  Service Cable  Ultraviolet Lamp  Yes  No  Takeaway Hall Condition  Good  Fair  Poor  Approach to Pump House  Good  Fair  Overall Rating  Average  Asset  Score  Asset  Condition  Category  A  B  C  D  E  Remarks / Requirements	Latest water	r qualit	у						
parameters? Findings of water quality analysis? In case of any parameter above the permissible limit, which steps are taken to provide safe water? Plant Type RO UF Source of Water Local Tube Well Public Water Supply Working Status Functional Pumping Unit Yes No Control Panel Yes No Service Cable Yes No Ultraviolet Lamp Yes No Takeaway Hall Condition Building Structure Condition Good Fair Poor Approach to Pump House Good Fair Poor Aperoach to Pump House Good Fair Poor Asset Score Asset Excellent Condition Category A B C D E Remarks / Requirements									
Findings of water quality analysis? In case of any parameter above the permissible limit, which steps are taken to provide safe water? Plant Type  RO  Local Tube Well  Public Water Supply  Working Status  Functional  Pumping Unit  Yes  No  Control Panel  Service Cable  Ultraviolet Lamp  Yes  No  Takeaway Hall Condition  Building Structure Condition  Approach to Pump House  Overall Rating  Average  Score  Asset  Condition  Category  A  B  C  Remarks / Requirements			d						
analysis? In case of any parameter above the permissible limit, which steps are taken to provide safe water? Plant Type  Source of Water  Local Tube Well  Public Water Supply  Working Status  Functional  Pumping Unit  Yes  No  Control Panel  Yes  No  Service Cable  Yes  No  Ultraviolet Lamp  Yes  No  Takeaway Hall Condition  Good  Fair  Poor  Approach to Pump House  Good  Fair  Poor  Overall Rating  Average  Score  Asset  Score  Asset  Condition  Category  A  B  C  D  E  Remarks / Requirements	•		444						GPS Map Camera Lite
In case of any parameter above the permissible limit, which steps are taken to provide safe water?  Plant Type  Source of Water  Working Status  Pumping Unit  Control Panel  Service Cable  Ultraviolet Lamp  Takeaway Hall Condition  Approach to Pump House  Food  Approach to Pump House  Food  Asset  Score  Asset  Condition  Category  A  B  C  Compressible limit, which steps are taken to provides after the provide and the provide and the provides and the provide and the provides a	_	water q	uality						
Plant Type  Source of Water  Local Tube Well  Public Water Supply  Working Status  Functional  Pumping Unit  Yes  No  Control Panel  Service Cable  Yes  No  Ultraviolet Lamp  Takeaway Hall Condition  Building Structure Condition  Approach to Pump House  Average  Asset  Score  Asset  Condition  Category  A  B  C  Coal Tube Well  Public Water Supply  No  No  No  No  No  Fair  Poor  Poor  Poor  Failing  Poor  Failing  Category  A  B  C  D  E	In case of an above the pe which steps	ermissi are tak	ble limit, en to						
Source of Water  Local Tube Well  Public Water Supply  Working Status  Functional  Non-Functional  Pumping Unit  Yes  No  Control Panel  Service Cable  Ultraviolet Lamp  Takeaway Hall Condition  Building Structure Condition  Approach to Pump House  Good  Fair  Poor  Overall Rating  Average  Asset  Score  Asset  Condition  Category  A  B  C  Remarks / Requirements	-	water'	?						
Source of Water  Working Status  Functional  Pumping Unit  Yes  No  Control Panel  Service Cable  Ultraviolet Lamp  Takeaway Hall Condition  Building Structure Condition  Approach to Pump House  Average  Asset  Score  Asset  Condition  Category  A  B  C  Coal Tube Well  Supply  Non-Functional  Poor  No  Service Cable  Yes  No  No  Takeaway Hall Condition  Good  Fair  Poor  Failing  Condition  Category  A  B  C  D  E  Remarks / Requirements	Plant Type			RO					
Pumping Unit Control Panel Yes No Service Cable Yes No Ultraviolet Lamp Yes No Takeaway Hall Condition Building Structure Condition Approach to Pump House Good Fair Overall Rating  Average Asset Score Asset Condition Category A B C D E  Remarks / Requirements	Source of Wa	ater		Local Tube	Well				
Control Panel Yes No Service Cable Yes No Ultraviolet Lamp Yes No Takeaway Hall Condition Good Fair Poor Building Structure Condition Good Fair Poor Approach to Pump House Good Fair Poor  Overall Rating  Average 1 2 3 4 5 Score Asset Excellent Good Fair Poor Failing Condition Category A B C D E  Remarks / Requirements	Working Sta	tus		Function	al	Non-Functional			
Service Cable  Ves No Ultraviolet Lamp Yes No Takeaway Hall Condition Building Structure Condition Approach to Pump House Good Fair Overall Rating  Average Asset Score Asset Condition Category A B C D E  No No No No Poor Poor Poor Failing Poor  Failing Poor Failing Condition Category A B C D E	Pumping Uni	it		Yes		No			
Ultraviolet Lamp  Takeaway Hall Condition  Building Structure Condition  Approach to Pump House  Good  Fair  Poor  Overall Rating  Average Asset Asset Condition  Category  A  B  C  Remarks / Requirements	Control Pane	el		Yes			No		
Takeaway Hall Condition Good Fair Poor Building Structure Condition Good Fair Poor Approach to Pump House Good Fair Poor  Overall Rating  Average 1 2 3 4 5 Score Asset Excellent Good Fair Poor Failing Condition Category A B C D E  Remarks / Requirements	Service Cabl	le		Yes			No		
Building Structure Condition Good Fair Poor Approach to Pump House Good Fair Poor  Overall Rating  Average 1 2 3 4 5 Score Asset Excellent Good Fair Poor Failing Condition Category A B C D E  Remarks / Requirements	Ultraviolet L	.amp		Yes			No		
Building Structure Condition Good Fair Poor Approach to Pump House Good Fair Poor  Overall Rating  Average 1 2 3 4 5 Score Asset Excellent Good Fair Poor Failing Condition Category A B C D E  Remarks / Requirements	Takeaway H	all Con	dition	Good	Fa	iir	Poor		
Approach to Pump House Good Fair Poor  Overall Rating  Average 1 2 3 4 5 Score Asset Excellent Good Fair Poor Failing Condition Category A B C D E  Remarks / Requirements				Good	Fa	ir	Poor		
Average 1 2 3 4 5 Score Asset Excellent Good Fair Poor Failing Condition Category A B C D E  Remarks / Requirements				Good	Fa	ir	Poor		
Score  Asset Excellent Good Fair Poor Failing Condition Category A B C D E  Remarks / Requirements					Overal	l Ratin	g		
Asset Excellent Good Fair Poor Failing Condition Category A B C D E  Remarks / Requirements	-		1				3	4	5
Category A B C D E  Remarks / Requirements	Asset	,	Excellent	Good			Fair	Poor	Failing
Remarks / Requirements			Α	В		D	E		
	22.0901 9								
	No rema	arks				. J 4 a (			

Data Collected By: Mr. Haroon	Designation: Team Member	Harooz.
		Sign & Date: 30 May 2023
Data Checked By: Mr. Mudassar Alvi	Designation: Team Lead	Sign & Date: 30 May 2023

	Integrated Development And Asset Management Plan (IDAMP)							
	Municipal Committee Khanewal							
Form IDAMP-			Water F Asset Cond					Code: ate: 03-05-2023
Name				Chak 8	8/10 F	?	Pic	tures
	Latit	ude		30.2	952		_	
Location	Long	jitude		71.9	527		1	1
Address							0 0 0	
Installation	Year			20	12		MALTI	
Installing A	gency	/		CC	СВ			
O&M Agenc	У			М	С			
Filtration C		ty		20	00		<b>初</b>	
(Liter/Hour	)			20	00			
Operational	Hou	rs		6	5			
No. of Taps				8	3			
Effluent Tes	st (If	Available)						
Latest water		•						
analysis car							THE PERSON NAMED IN COLUMN	
If yes, which		and						
Findings of		r quality					BEET TO	Camera Lite
analysis?		. quanty				44		
In case of a	ny pa	rameter						
above the p		·						
which steps							The state of	
provide safe	e wat	er?	DO			UE.	_	
Plant Type			RO		UF Public Water			
Source of W	/ater		Local Tube	Well		Supply	4	
Working Sta	atus		Function	ıal	Non	-Functional		
Pumping Ur	nit		Yes			No		
Control Par	nel		Yes			No		
Service Cab	ole		Yes			No		
Ultraviolet Lamp		Yes			No			
Takeaway F	Takeaway Hall Condition		Good	Fa	air	Poor		
Building Str	uctu	re Condition	Good	Fa	air	Poor		
Approach to			Good Fair		air	Poor		
				Overal	I Ratin	g		
Average Score	е	1	2		3		4	5
Score								

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

Asset	Excellent	Good	Fair	Poor	Failing			
Condition								
Category	Α	В	С	D	E			
Remarks / Requirements								
No remarks								
Data Collected B	y: Mr. Haroon	Designation: Tea	m Member	Harooz.				
				Sign & Date: 30 May 2023				
Data Checked By Alvi	: Mr. Mudassar	Designation: Tea	m Lead	MArbi				
				Sign & Date: 30 May 2023				

# E. . Vehicles/ Machinery

Sr #	Name	Registration Number	Age (Years)	Condition	Status	Book Value (PKR Mil	Capacity
1	Water Bowser-ISUZU	No Registration	17	Fair	Functional	0.5	4334 cc
2	Water Bowser-Millat	KWB 1279	27	Poor	Functional	0.2	

Integrated Development and Asset Management Plan (IDAMP)								
	Municipal Committee Khanewal							
Form:		Moveable As	Asset Code:					
IDAMP-A16	Α	sset Condition As	sessment		Date: 05-05-2023			
Type of Ve	hicle / Mac	hinery			Pictures			
Wat	iter Bowser							
	W	ater Bowser-ISUZ	U		Water Bowser-Millat			
Capacity		500 gallons			500 gallons			
Purpose		Water Supply			Water Supply			
Year of Manufacturing		2006			1996			
Model		NPR			MF 240			
Capital Cost								
Fuel Consumption		715			360			
Condition		Fair			Fair			
Engine Capacity		4334cc			50hp			
Maintenance Cost		Not Available			Not Available			
Oiling /Fitness		Yes			Yes			
Fitness Certificate		No			No			
Registered		No Registration			KWB 1279			
Overall Rating		Fair			Fair			
		Remarks / Re	equirement	S				
Data Collected By: Mr. Haroon Designation: Team Memb					Harooz. Sign & Date: 30 May 2023			

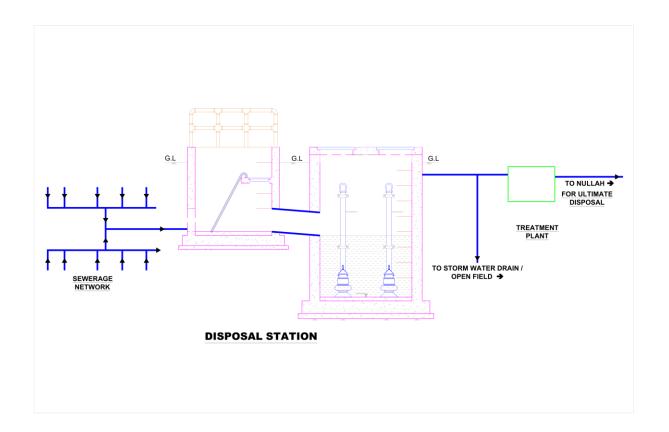
#### **Annexure**

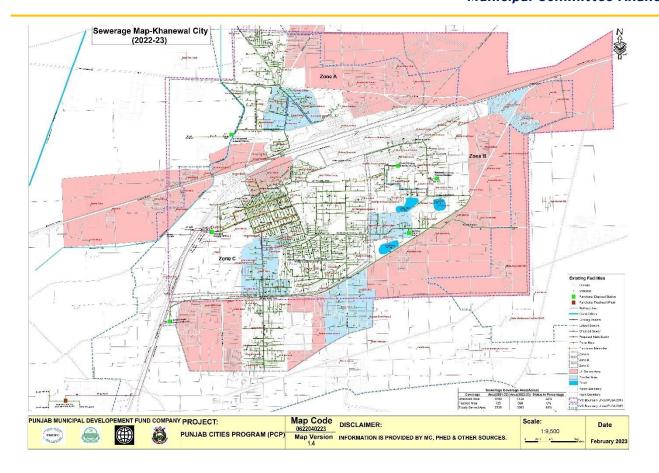
## Integrated Development and Asset Management Plan (IDAMP) (2023-24, 2024-25, 2025-26) Municipal Committee Khanewal

Data Checked By: Mr. Mudassar Alvi	Designation: Team Lead	MARIE	
		Sign & Date: 30 May 2023	

### 2. SEWERAGE

### Key Components of a Sewerage System





Α.	A. Sewerage Network						
Sr #	Dia	Length (meter)	Age (Years)	Condition	Book Value (PKR Mil)	Material	
1	9"	91027	16	Fair	0.1	RCC	
2	12"	20747	16	Fair	0.7	RCC	
3	15"	10186	16	Fair	0.3	RCC	
4	18"	10011	16	Fair	3.2	RCC	
5	21"	2648	16	Fair	2.4	RCC	
6	24"	5022	16	Fair	0.2	RCC	
7	27"	1559	16	Fair	0.1	RCC	
8	30"	2948	16	Fair	0.1	RCC	
9	33"	8376	16	Fair	0.7	RCC	
10	36"	963	16	Fair	0.3	RCC	
11	42"	757	16	Fair	3.2	RCC	
13	12"	19496	7	Excellent	2.4	RCC	
14	15"	6472	7	Excellent	0.2	RCC	
15	18"	7913	7	Excellent	0.1	RCC	
16	21"	1698	7	Excellent	0.1	RCC	
17	24"	1747	7	Excellent	0.7	RCC	
18	27"	1466	7	Excellent	0.3	RCC	
19	30"	2948	7	Excellent	3.2	RCC	
20	33"	1370	7	Excellent	2.4	RCC	
21	36"	4290	7	Excellent	0.2	RCC	
22	42"	757	7	Excellent	0.1	RCC	

Integrated Development and Asset Management Plan (IDAMP)						
Municipal Committee Khanewal						
Form: IDAMP-A6	As	Sewerage Net set Condition As		Asset Code: Date: 03-05-2023		
Descr	iption	Area (	Acres)	Percentage		
Served Area		3361		45		
Flooded Area		699		21		
Unserved Area		4130		55		
Type and complaints re regarding sewe	ceived to MC	65				
Steps considered by MC to resolve the complaints						
Pipe Dia (inches)	Pipe Material	Length (m)	No. of Manholes	Year of Laying	Age of Pipe	
9	RCC	91027	5973	2007	16	
12	RCC	20747	681	2007	16	
15	RCC	10186	223	2007	16	
18	RCC	10011	164	2007	16	
21	RCC	2648	35	2007	16	

24	RCC	5022	66	2007	16	
27	RCC	1559	17	2007	16	
30	RCC	2948	32	2007	16	
33	RCC	8376	92	2007	16	
36	RCC	963	11	2007	16	
42	RCC	757	8	2007	16	
12	RCC	19496	640	2016	7	
15	RCC	6472	142	2016	7	
18	RCC	7913	130	2016	7	
21	RCC	1698	22	2016	7	
24	RCC	1747	23	2016	7	
27	RCC	1466	16	2016	7	
30	RCC	2948	32	2016	7	
33	RCC	1370	15	2016	7	
36	RCC	4290	47	2016	7	
42	RCC	757	8	2016	7	
Remarks / Requirements						
No remarks						
Data Collected By: Mr. Haroon		Designation: Team Member		Harooz.		
				Sign & Date: 30 May 2023		
Data Checked By: Mr. Mudassar Alvi		Designation: Team Lead		Sign & Date: 30 May 2023		
				Sign & Date: 30 May 2023		

В.	Disp	osal Station									
Sr #	Name	Age (Ye Civil Structure	Pump	Condition	Status	Book Value (PKR Mil)	Nos. of pump	Discharge Each (Cusec)	Motor hp	Pump Make	Motor Make
1	Old Khanewal	19	19	Poor	Functio nal	0.1	2	4	50	KSB	Siemens
2	Ahmad nagar	6	6	Fair	Functio nal	0.7	1	2	20	KSB	Siemens
3	Jahaniyan Bypass	16	16	Fair	Functio nal	0.3	4 (2 Non- Functi onal)	4	40	KSB	Siemens
4	Tariqabad	6	6	Good	Functio nal	3.2	3	5	60	KSB	Siemens
5	Adiwala	7	7	Good	Functio nal	2.4	2	4	50	KSB	Siemens
6	Nizamabad	7	7	Poor	Non- Functio nal	0.2	1	1.5	15	KSB	Siemens
7	Malikabad	16	16	Poor	Functio nal	0.1	1	2	20	KSB	Siemens
8	People's colony	25	25	Poor	Functio nal	0.1	2 (1 non- functio nal)	1.5	25	KSB	Siemens

	Integrated De	velopment and	l Asset	Managem	ent Plan (IDAMP)
		Municipal Co	mmitte	e Khanew	al
Form: IDAMP- A7		ge Disposal Sta ndition Assess			Asset Code: Date: 04-05-2023
	Asset	Detail			Pictures
Name		Adiwala (U St	CMS) Di ation	sposal	
Location	Latitude	30.3	30412		
Location	Longitude	71.9	08727		
Address		UCMS, (	Canal Ro	oad	
Area (Acre	s)	0.42	2 acres		
Installation	Year	2	016		
Capital Cos	t of Machinery	I	N/A		
Outfall	Dia		27"		
Drain Sewer	Material	F	RCC		
	No. of Screens		1		
Screening	Screen Condition	Good	Fair	Poor	
Chamber	Chamber Structure	Brick	masonr	У	
Wet Wells	Number	2	Nos.		
Wet Wells	Shape	Rectangular	Cir	cular	

	Integrated De	velopment and	l Asset	Managem	ent Plan (IDAMP)
	Size		20 ft	·	
	Structure	Masonry	I	RCC	
	Railing	Yes		No	
	No. of force mains		1		
	Dia				
Force	Material	(	GRP		- N
Main	Starting Point	Dispos	al statio	on	Khanewal, Pu
	Ending Point	Jamsa	bad Min	or	Canal Road, Ki
	Length	145 ft up dis	charge	chamber	Lat 30.330412 Long 71.90872
	Size		-		Google 04/05/23 11:59
Sullage	Shape		-		
Carrier	Length		-		M.
	Condition		-		THE
Delivery	Dia		8"		S S S
Pipe	Material		CI		
Suction	Dia		12"		
Pipe	Material		CI		Khanewal, Punj
	Sluice Valves		4		Canal Road, Khar
Number of	Non-Return Valves		2		Lat 30.330413° Long 71.908549°
Valves	Penstock Valves		2		Google 04/05/23 12:00 F
Ultimate Di		Jamsa	nor	-	
	ure Condition	Good	Fair	Poor	
	om Structure	Good	Fair	Poor	
	Box Structure	Good	Fair	Poor	
	o Pump House	Good	Fair	Poor	
Hoisting Gi	, , , , , , , , , , , , , , , , , , ,	Yes		No	
Boundary V		Yes		No	Khanewal, Punja
Treatment		Yes		No	Canal Road, Khar
	r daily discharge in	103		110	Lat 30.330378° Long 71.908469°
m <sup>3</sup> /day?	r daily discharge in				Google 04/05/23 12:00 P
	available information	3			
at MC)					
Ultimate di	sposal of				
wastewate	•	Jamsabad Mir	or + fie	elds	
	Electro-Mechanical	Equipment De	tails		
Number of	WAPDA Feeders		1		
Transforme	er Capacity (kVA)	50	) KVA		Khanewal, Punj
Number of			2		Canal Road, Khar Lat 30,330313°
	Load (kWh)		N/A		Long 71.908702°
Power Factor Improvement		Yes			04/05/23 11:59 A
Equipment	Equipment			No	
Service Cable		Yes		No	1
Power Wiring		Yes		No	1
Earthing of	•	Yes		No	1
Earthing of		Yes		No	1
Generator		Yes		No	1
-	g of Pump House	Yes		No	1
Change Ove	•	Yes		No	1
3gu 31.		. 55	L		I .









	Int	egrated	Devel	opment	and Asset M	lanagem	ent Plan (IDA	MP)		
							Canal Lat 30 Long 7	©GPS Map Camera ewal, Punjab, Pakistan Road, Khanewal, Punjab, Pakistan 330275° 71.908878° 723 12:19 PM GMT +05:00		
		1		T	Pump Detai		T			
Pump Type	e	C	Pump A Centrifugal/ Non-Clogging		Pump Centrifuga Cloggi	I/ Non-				
Pump Brar	nd		KSB		KSB					
Pump Pain			yes		yes					
Motor Brai			Siemer	ns	Sieme					
Installation Pump	n Year of		2004	1	2004	4				
Discharge (Cusecs)		4 cuse	cs	4 cuse	ecs.					
Rotational (RPM)		960		960	)					
Head (ft.)		50		50						
Motor Pow			50 HF	P	50 HP					
Pump Daily Time (Hou			4 hrs		4 hrs					
Base Plate		Ye	S	No	Yes	No	Yes	No		
Number	Sluice Valve				4					
of Valves	Non- Returning Valve	ı			2					
					Overall Ratin	ng				
Average Score	1	2		3		4		5		
Asset Condition	Excellent			Fair	Po	oor		Failing		
Category	Α	В		С		D ,		E		
	house stair ions in pum		-	IS	rks / Require	ements				
Data Collec Haroon		Designation: Team Member		Haroof. Sign & Date: 30 May 2023						
Data Check Mudassar A		Desi Lead	_	n: Team		MArbi				
					Sign & L	Sign & Date: 30 May 2023				

	Integrated Dev	elopment and As	set Ma	nagement	Plan (IDAMP)
		Municipal Comm	ittee K	Chanewal	
Form: IDAMP-A7		ge Disposal Stati ondition Assessm			Asset Code: Date: 03-05-2023
	Asset	Detail			Pictures
Name		Ahmad Nagar [	Disposa	l Station	· >
Location	Latitude	30.29	7971		
Location	Longitude	71.90	)5178		
Address		Ahmad	l Nagar	•	
Area (Acres	)		acres		
Installation		20	17		☐ GPS Map Camera Khanewal, Punjab, Pakistan
	of Machinery				7WX3+MXW, Khanewal, Punjab, Pakistan
Outfall	Dia	17	2"		Lat 30.298201° Long 71.905543°
Drain Sewer	Material	RO	CC		200gle 03/06/23 05:05 PM GMT +05:00
Screening	No. of Screens		1		**************************************
Chamber	Screen Condition	Good	Fair	Poor	
Chamber	Chamber Structure	Brick m	nasonry	/	
	Number	·	1		
	Shape	Rectangular		rcular	
Wet Wells	Size		? ft		Map Camera Shanewal, Punjab, Pakistan
	Structure	Masonry		RCC	7WX3+MXW, Khanewal, Punjab, Pakistan Lat 30.298096°
	Railing	Yes		No	Long 71.905084°
	No. of force mains		-		300gle 03/05/23 05:07 PM GMT +05:00
	Dia		-		
Force Main	Material		-		
. or oc mann	Starting Point		-		
	Ending Point		-		10 can 44
	Length		-		
	Size	,	-		GPS Map Camera
Sullage	Shape		-		Khanewal, Punjab, Pakistan 7WX3+MXW, Khanewal, Punjab, Pakistan
Carrier	Length	,	-		Lat 30.298152°
_ ;	Condition	,	-		Long 71.905048°  500gle 03/05/23 05:07 PM GMT +05:00
Delivery	Dia		<u>}"</u>		A STATE OF THE STA
Pipe	Material		<u></u>		
Suction	Dia	_	)"		
Pipe	Material		IS .		
Number of	Sluice Valves Non-Return Valves		<u>2</u> 1		9
Valves	Penstock Valves		<u>.                                    </u>		
Illtimate Die			_	\r	☐ GPS Map Camera
Ultimate Dis	re Condition	Nanakpi Good	Fair	Poor	Khanewal, Punjab, Pakistan 7WX3+MXW, Khanewal, Punjab, Pakistan
	m Structure	Good	Fair	Poor	Lat 30.29804° Long 71.905056°
	ox Structure	Good	Fair	Poor	Google 03/05/23 05:08 PM GMT +05:00
	Pump House	Good	Fair	Poor	
Hoisting Gir		Yes	1 411	No	1
Boundary Wall & Gate		Yes No			
Treatment of Sewage		Yes		No	
Wastewater daily discharge in		103		.10	
m <sup>3</sup> /day?	adily disclidings ill		4.0		
	vailable information	38	40		
Ultimate dis wastewater	•	Nanakpur minor			
					•

	Integrated Development and Asset Management Plan (IDAMP)											
	Electro-I	Mechan	ical Equi	pment Deta	ils							
Number of					1	<b>3</b> /						
Transforme		(kVA)		25	KVA	4)						
Number of	MCU				1							
Sanctioned	Load (kWh)	)										
Power Fact	or Improvei	ment		Yes	No							
Equipment					INO	Khanewal, Punjab, Pakistan						
Service Cat				Yes	No	7WX3+MXW, Khanewal, Punjab, Pakistan Lat 30.298014°						
Power Wirir	•			Yes	No	Lang 71.905076°						
Earthing of				Yes	No	300gle 03/05/23 05:07 PM GMT +05:00						
Earthing of				Yes	No							
Generator A				Yes	No							
Light Wiring	g of Pump H	louse		Yes No								
Change Ove	èг			Yes	No	Khanewal, Punjab, Pakistan 7WX3+MXW, Khanewal, Punjab, Pakistan Lat 30.298124° Long 71.905404° 03/05/23 05:06 PM GMT +05:00						
	Pump Detail											
				Pump A								
Pump Type				Centrifugal/ Non-Clogging								
Pump Brane					KSB							
Pump Paint					yes							
Motor Bran					Sieme	ns						
Installation	Year of Pu	mp			2017							
Discharge C			2									
Rotational S			960									
Head (ft.)	•	•	40									
Motor Powe	er (HP)		25									
Pump Daily	Running Ti	me	8-10 hrs									
(Hours) Base Plate				Yes		No						
Dase Plate	Sluice Val	10		162	2	No						
Number of	Non-Retur											
Valves	Valve	illig			1							
				Overall	Rating							
Average Score	1		2	3	4	5						
Asset	Excellent	Go	ood	Fair	Poor	Failing						
Condition Category	Α		<u></u> В	С	D	E						
Category				_	_	<u> </u>						
<ul><li>There is</li><li>Widening</li><li>Penstong</li><li>Fan reconstruction</li><li>Replace</li></ul>	<ul> <li>There is no washroom in this disposal station</li> <li>Widening of culvert for direct access of vehicle is missing.</li> <li>Penstock gate is not available</li> <li>Fan required</li> <li>Replacement of wiring required.</li> </ul>											
Data Collect Haroon	.eu By: Mr.		<i>Member</i>	tion: Team r	Haro	of.						

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

	Integrated Deve	elopment and As	set Ma	nagement	: Plan (IDAMP)		
		Municipal Comm					
Form: IDAMP-A7		ge Disposal Stati ndition Assessm			Asset Code: Date: 04-05-2023		
	Asset I	Detail			Pictures		
Name		Chak 168 Dis	sposal S	Station			
1 4:	Latitude	30.27	71034				
Location	Longitude	71.93	18208				
Address		Chak 168, A	Ahmar F	ROAD			
Area (Acres	)	0.1	acres				
Installation	Year				Khanewal, Punjab, Pakistan		
Capital Cost	of Machinery				راجيوت بانوس جڪ ننبر 168دس از. Khanewal, Punjab, Pakistan		
Outfall	Dia	1	8"		Lat 30.271173° Long 71.918148°		
Drain Sewer	Material	R	СС		04/05/23 01:32 PM GMT +05:00		
Screening	No. of Screens		-				
Screening Chamber	Screen Condition	Good	Fair	Poor			
Chamber	Chamber Structure		-				
	Number		1				
	Shape	Rectangular	Ci	rcular	GPS Map Camera		
Wet Wells	Size	8 ft (da	maged	)	Khanewal, Punjab, Pakistan Rhanewal, Punjab, المراجوت والوس مك لمبر 188 س لر 188		
	Structure	Masonry		RCC	Pakistan		
	Railing	Yes		No	Google Lang 71,918257° 04/05/23 01:33 PM GMT +05:00		
	No. of force mains		1				
	Dia	dam	aged				
Force Main	Material		-				
l orce main	Starting Point	Pump	house		- A-4		
	Ending Point	dam	aged				
	Length		-				
	Size		-		☐ GPS Map Camera  Khanewal, Punjab, Pakistan		
Sullage	Shape		-		Khanewai, Punjab, Pakistan داجيوت بانوس چک نمبر 168ء س ادر Khanewai, Punjab اجيوت بانوس چک نمبر 168ء س		
Carrier	Length		-		Lat 30.2711° Long 71.918232°		
<u></u>	Condition		-		Soogle 04/05/23 01:32 PM GMT +05:00		
Delivery	Dia		-		Carlos Carlos		
Pipe	Material		-				
Suction	Dia		-				
Pipe	Material		-				
Number of	Sluice Valves		-		☐ GPS Map Camera		
Valves	Non-Return Valves		-		Khanewal, Punjab, Pakistan Rhanewal, Punjab, واجيوت بالوس ۾ ڪ نمبر 188 س ل , 189 س		
Illtimata Dia	Penstock Valves	£: ~	- Jdc		Pakistan		
Ultimate Dis	sposai ire Condition	Good	lds Fair	Poor	Long 71.918213° 04/05/23 01:32 PM GMT +05:00		
	m Structure	Good					
	ox Structure	Good	Fair Fair	Poor Poor	+		
	Pump House	Good	Fair	Poor			
Approach to	ruilip House	G000	ГdII	7001	J		

Integrated Development and Asset Management Plan (IDAMP)													
Hoisting Gi					Yes			No		A To			
Boundary V	Vall & Gate				Yes	S		No	CONTRACT AND SERVICE AND SERVI		Popular	_	
Treatment	of Sewage				Yes	S		No			14		
	r daily disch	narge i	n								1		
m <sup>3</sup> /day?	,												
(based on a	available inf	ormati	ion							Khanewal, I	Punjab, Pakist	PS Map Camera an	
at MC)										Khanew	al, Punjab, ادس ال	راجپوت ہائوس جک نمبر 8ا Pakistan	
Ultimate di	sposal of			Field	<b>4</b> c				100	Lat 30.271064° Long 71.918222°			
wastewater	r?			rieic								Da A	
	Electro-I	Mecha	nical	Equip	pmer	nt Detai	ils						
Number of	WAPDA Fee	eders					1						
Transforme	er Capacity	(kVA)			50 K\	VA (und	ler repa	airing)					
Number of	MCU					,	-						
Sanctioned	Load (kWh)	)				(	<b>ó</b>						
Power Fact	or Improve	ment			Yes	^		No					
Equipment					res	5		No					
Service Cal	ble				Yes	S		No					
Power Wiri	ng				Yes	S		No					
Earthing of	Motor				Yes	S		No					
Earthing of	MCU				Yes	S		No					
Generator A	Availability				Yes	S		No					
Light Wirin	g of Pump H	louse			Yes	S		No					
Change Ove	Change Over							No					
	Change Over Yes No Pump Detail												
Pump A Pump B Pump C										Pι	ımp D		
Dumn Tyno			Pete	er Eng	gine								
Pump Type				only									
Pump Bran	d												
Pump Paint	t												
Motor Bran	ıd												
Installation	Year of Pu	mp											
Discharge (	Capacity												
(Cusecs)													
Rotational	Speed (RPM	1)											
Head (ft.)													
Motor Powe	er (HP)												
	Running Ti	me											
(Hours)			V	N.I	_	\ <u>'</u>		Na	V	NI-	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Ma	
Base Plate	Chrise Val		Yes	N	0	Y	es	No 1	Yes	No	Yes	No	
Number of	Sluice Val							1					
Valves	Non-Retur	ning						1					
	Valve					News II	Datina						
Averses	Overall Rating												
Average Score	1		2 3 4 5										
Asset													
Condition	Excellent	(	Good		F	air	F	Poor		Fa	iling		
Category	Α		В			С		D			E		
Category				R	emar	rks / Re	auiren				_		
• As such	h, this is tota	allv da	mage						eter en	gine, wh	en diese	<u>.</u>	
		,			,		,			J1			

Required to build this disposal totally new.

Integrated	Development and As	set Management Plan (IDAMP)
Data Collected By: Mr. Haroon	Designation: Team Member	Harooz.
		Sign & Date: 30 May 2023
Data Checked By: Mr. Mudassar Alvi	Designation: Team Lead	Sign & Data: 20 May 2022
Mudassar Alvi	Lead	Sign & Date: 30 May 2023

Integrated Development and Asset Management Plan (IDAMP)   Municipal Committee Khanewal		Integrated Deve	Nonment and Ass	et Manage	ment Plan (IDAMP)
Name					
Name					Asset Code: Date: 03-05-2023
Location  Latitude Longitude Address  Address  Area (Acres)  O.49 acres Installation Year  Capital Cost of Machinery  Outfall Drain Sewer  Screening Chamber  No. of Screens Screen Condition Chamber Structure Wet Wells  Wet Wells  Wet Wells  Force Main  Force Main  Material  Starting Point Ending Point Ending Point Ending Point Size  Carrier  Length  Carrier  Length  Condition  Delivery Pipe Material Shape  Carrier  Length Condition  Delivery Dia	•	Asset [	Detail		Pictures
Longitude   T1.899598   Address   Jahanian Bypass   Area (Acres)   O.49 acres   Installation Year   2007	Name		Jahanian Dis	posal Static	on
Address	Location	Latitude	30.27	73029	
Area (Acres   Installation Year   2007   2	Location	Longitude	71.89	99598	
Installation   Year   2007	Address		Jahania	n Bypass	
Capital Cost of Machinery	Area (Acres	)	0.49	acres	COR Man Company
Dia   36"			20	07	Khanewal, Punjab, Pakistan
No. of Screens   Screen Condition   Good   Fair   Poor Chamber Structure   Wall is dismantled at places   Structure   Size   25 ft   Structure   Masonry   RCC   Railing   Yes   No. of force mains   Structure   Masonry   RCC   Railing   Yes   No. of force mains   Structure   Masonry   RCC   Railing   Yes   No. of force mains   Structure   Masonry   RCC   Railing   Yes   No. of force mains   Structure   Structu	Capital Cost	of Machinery	-	-	
Sewer   Screening Chamber   Screen Condition   Good   Fair   Poor Chamber Structure   Wall is dismantled at places	Outfall	Outfall Dia Orain Material		6"	
Screening Chamber Chamber Chamber Structure    Number   Shape   Rectangular   Circular		Material	R	CC	US/US/23 US-27 PM GMT +US-UU
Chamber   Screen Condition   Good   Fail   Poor	Caroonina	No. of Screens		1	
Chamber Structure   Wall is dismantled at places	-	Screen Condition	Good	Fair Po	oor
Shape   Rectangular   Circular	Chamber	Chamber Structure	Wall is dismar	ntled at plac	ces
Size   25 ft   Structure   Masonry   RCC   Railing   Yes   No   No. of force mains   1   Long 71,899,373   Dog/Siz 90 size   Masonry   RCC   Masonry   RCC   Railing   Yes   No   No. of force mains   1   Long 71,899,373   Dog/Siz 90 size   Masonry   RCC   Long 71,899,373   Dog/Siz 90 size   Masonry   RCC   Long 71,899,373   Dog/Siz 90 size   Material   RCP   Railing Point   Round Pump house   Roding Point		Number	2 N	los.	
Size		Shape	Rectangular	Circula	IT PGPS Map Camera
Structure	Wet Wells	Size	25	5 ft	Khanewal, Punjab, Pakistan
Railing No. of force mains Dia  Dia  24" force main to 32" dia force main to WWTP  Raterial  Starting Point  Ending Point  Length  Size  Shape  Carrier  Length  Condition  Delivery Pipe Material  Suction Pipe Material  Suction Pipe Material  Sluice Valves  Number of Valves  No. of force mains  1  24" force main to 32" dia force main to 32" dia force main to WWTP  ACH Pump house  Fund phouse  170 ft  Size  -  Shape -  Corrier  Condition -  Delivery Pipe Material  Sluice Valves  Non-Return Valves Penstock Valves  1  No. of force mains  1  24" force main to 32" dia force main to 32" dia force main to 32" dia force main to WWTP  Pump house  Fund phouse  170 ft  Khanowal, Punjab, Pakistan  7/PK-970, chaneval, Pu		Structure	Masonry	RCC	
Force Main  Force Main  Material  Material  Starting Point  Ending Point  Length  Size  Sullage  Carrier  Delivery Pipe  Material  Suction Pipe  Material  Suction Pipe  Material  Sullage  Non-Return Valves  Non-Return Valves  Pump house  Nahanian bypass  Length  Co-  Condition  1776-896, Khanewal, Punjab, Pakistan  Khanewal, Punjab, Pak		Railing	·		
Force Main  Material Starting Point Ending Point Length  Size Sullage Carrier  Delivery Pipe Material Suction Pipe Material Suction Pipe Number of Valves  Dia  Material Starting Point Pump house Pum		No. of force mains		1	
Starting Point Pump house Ending Point Jahanian bypass Length 170 ft  Size		Dia			lia
Ending Point Jahanian bypass Length 170 ft  Size Khanewal, Punjab, Pakistan 7VFX+3PC, Khanewal, Punjab, Pakistan 120,272991* Length Length Condition - Condition - Delivery Pipe Material CI Suction Dia 8" Pipe Material CI Suction Pipe Material CI Sumber of Valves Siuice Valves 8 Non-Return Valves 4 Penstock Valves 1	Force Main	Material	GI	₹P	
Length   170 ft     Size   -     Khanewal, Punjab, Pakistan   7/FX+3PG, Khanewal, Punjab, Pakistan   7/FX+3PG, Khanewal, Punjab, Pakistan   7/FX+3PG, Khanewal, Punjab, Pakistan   1/FX+3PG, Khanewal, Punjab, Paki		Starting Point	Pump	house	
Size   -		Ending Point	Jahania	n bypass	The same of the sa
Sullage		Length	17	O ft	GPS Map Camera
Carrier         Length         -         Long 71.839373° 03/05/23 05:25 PM GMT +05:00           Delivery Pipe         Dia         12"           Suction Pipe         Material         Cl           Suction Pipe         Material         Cl           Sluice Valves         8           Non-Return Valves         4           Penstock Valves         1		Size		-	
Carrier   Length   -	Sullage	Shape	,	-	Lat 30.272991°
Delivery         Dia         12"           Pipe         Material         Cl           Suction         Dia         8"           Pipe         Material         Cl           Number of Valves         8           Non-Return Valves         4           Penstock Valves         1	Carrier	Length		-	
Pipe         Material         CI           Suction         Dia         8"           Pipe         Material         CI           Number of Valves         Sluice Valves         8           Non-Return Valves         4           Penstock Valves         1		Condition		-	
Suction         Dia         8"           Pipe         Material         Cl           Number of Valves         Sluice Valves         8           Non-Return Valves         4           Penstock Valves         1	Delivery	Dia	12	2"	
Pipe         Material         CI           Number of Valves         Sluice Valves         8           Non-Return Valves         4           Penstock Valves         1		Material			
Number of Valves         Sluice Valves         8           Non-Return Valves         4           Penstock Valves         1	Suction		8	3''	
Valves Non-Return Valves 4 Penstock Valves 1	Pipe	Material			
Valves Penstock Valves 1	Number of				
Penstock Valves 1			4	4	
Ultimate Disposal Nanakpur Minor					
Nanakpai Minor	Ultimate Dis	sposal	Nanakp	ur Minor	

	Integrated Development and Asset Management Plan (IDAMP)											
Civil Struct	ure Conditi	on			Good	d	Fair	Poor		a :00ê		
Control Ro	om Structui	re			Good	d	Fair	Poor	Constitution of	July 1		
Discharge I	Box Structu	re			Good	d	Fair	Poor				
	o Pump Hoi				Good	d	Fair	Poor				4
Hoisting Gi					Yes			No				
Boundary V					Yes			No		Khanewal P	unjab, Pakist	PS Map Camera
Treatment					Yes			No			hanewal, Punj	
	r daily disch	narge ir	า							Long 71.8993	24°	
m <sup>3</sup> /day?	,,	9	-						Google	03/05/23 05:	25 PM GMT +	05:00
	vailable inf	ormati	on	6550								
at MC)												
Ultimate di	sposal of w	astewa	ter?	Nana	akpur	minor			1	1	-6	
	Electro-	Mechar	nical E	Equip	ment	Detai	ls					
Number of	WAPDA Fee	eders				-	1		NA			
Transforme	er Capacity	(kVA)				100	KVA			13 M		Carried Street
Number of							1			200		PS Map Camera
Sanctioned	Load (kWh	)				1:	19			7VFX+3PG, K	unjab, Pakist hanewal, Punj	
Power Fact	or Improve	ment			Vac			No	W.	Lat 30.27308 Long 71.8998		
Equipment					Yes			No	Google	03/05/23 05:		05:00
Service Cal	ble				Yes			No				
Power Wiri	ng				Yes			No				
Earthing of	Motor				Yes			No				
Earthing of	MCU				Yes			No				
Generator	Availability			Yes				No				
Light Wirin	g of Pump H	louse			Yes			No				
Change Ove	er				Yes			No				
					F	Pump [	etail					
			Pı	ump .	Α		Pump	В	Pur	np C	Pι	ımp D
Dumn Tuno			Cen	trifuç	gal/	Cen	trifuga	ıl/ Non-	Centr	ifugal/	Cent	rifugal/
Pump Type			Non-	-Clogging			Clogg	ing	Non-C	logging	Non-	Clogging
Pump Bran	d			KSB			KSB		KSB			KSB
Pump Paint	t			yes yes				У	es		yes	
Motor Bran	ıd			iemens			Sieme	ens	Siemens		Siemens	
Installation	Year of Pu	mp	2	2007			200	7	20	07	2007	
Discharge (	Capacity			4			4			4		4
(Cusecs)												
	Speed (RPN	<b>/</b> )		978			978			78	,	978
Head (ft.)				50			50			50		50
Motor Powe	er (HP)			40			40		4	10		40
	Running Ti	ime					8 hr	c	0.0	non-	0	(non-
(Hours)	Ruillilly II	iiie	8	3 hrs			0 111	3		non- tional)		ctional)
Base Plate			Yes	N	0	V	es	No	Yes	No	Yes	No
Dase Flate	Sluice Val	VO	163	11	U I		<del>-</del> 5	8	163	NO	163	INU
Number of	Non-Retur											
Valves	Valve	iiiig						4				
	Valve   Overall Rating											
Average	verage											
Score	1		2			3		4			5	
Asset		_										
Condition	Excellent	0	Good		F	air		Poor		Fai	iling	
Category	Α		В			С		D			E	
			_	Re		s / Re	quiren				•	
2 Pumi	os are not w	orkina				,	,					
	ago DC-1 am	-	~ 070	milli	one h	sac alre	andy co	ncidorod i	te robah	ilitation		

Sewerage PC-1 amounting 970 millions has already considered its rehabilitation

Integrated	Integrated Development and Asset Management Plan (IDAMP)									
Data Collected By: Mr. Haroon	Designation: Team Member	Harooz.								
		Sign & Date: 30 May 2023								
Data Checked By: Mr. Mudassar Alvi	Designation: Team Lead	MArbi								
		Sign & Date: 30 May 2023								

Integrated Development and Asset Management Plan (IDAMP)   Municipal Committee Khanewal			·		
Sewerage Disposal Station   Asset Code:   Date: 04-05-2023		Integrated Dev	·		Plan (IDAMP)
Name			<u> </u>	e Khanewal	
Name			-		
Name	IDAMP-A7				
Location  Latitude Longitude  T1.942264  Address  Near Khanewal Lodran Road and Farm Road  Area (Acres)  0.42 acres Installation Year  Capital Cost of Machinery  Outfall Drain Sewer  No. of Screens Screening Chamber  No. of Screens  Screening Chamber  No. of Screens  Screening Chamber  Number  Number  Shape Rectangular  No. of force mains Dia  18't  Structure Masonry RCC Railing Yes No No. of force mains Dia  12'' (damaged and choked) Material  AC Starting Point Length Goodt Length Goodt Length Goodt Length Condition  Delivery Pipe Material  Shape  Carrier Length Condition  Delivery Pipe Material  Suction Pipe Material  Suction Pipe Material  Suction Pipe Material  Suction Pipe Material  Non-Return Valves Not functional	Name	710001		sal Station	
Longitude   Address   Near Khanewal Lodran Road and Farm Road		Latitude	<u> </u>		211
Area (Acres)  Area (Acres)  O.42 acres Installation Year  Capital Cost of Machinery  Outfall Drain Sewer  No. of Screens Screening Chamber  Number  Number  Number  Shape Rectangular  Size Structure Railing No. of force mains Dia 12" (damaged and choked) Material Starting Point Ending Point	Location	Longitude	71.9422	64	
Area (Acres)	Address				
Installation Year   2006-2007	Area (Acres	)	0.42 acr	es	ADDITION HOLD TO
Capital Cost of Machinery Outfall Dia Dia Sewer  Material Screening Chamber  No. of Screens Screening Chamber  No. of Screens Screen Condition  Chamber Structure  Walls dismantled, not installed properly, no walls above ground  Number  Shape Rectangular  Size Structure Railing No. of force mains Dia Material  Starting Point Length Length Condition  Delivery Pipe Material  Size Sullage Carrier Length Condition  Delivery Pipe Material  Suction Pipe Material  Material  Suction Pipe Material  Size Sullage Carrier  Condition  Dia Bis	Installation	Year	2006-20	07	7WVV+35X, E-5 Khanewal, Punjab, Pakistan
Dutain Sewer    Material    Sewer    No. of Screens    Chamber    No. of Screens    Chamber Structure    Number    Shape    Number    Size    Structure    Masonry    RCC    Railing    No. of force mains    Dia    No. of force mains    Dia    Starting Point    Length    Carrier    Carrier    Carrier    Condition    Delivery Pipe    Material    Size    Sullage    Carrier    Condition    Delivery Pipe    Material    Size    Sullage    Carrier    Condition    Dia    Material    Size    Size    Sullage    Carrier    Condition    Delivery Pipe    Material    Suction Pipe    Material    Suction Pipe    Material    Suction Pipe    Material    Sulce    Sulce    Sulce    Sulce    Condition    Condition    Condition    Condition    Sulce    S	<b>Capital Cost</b>	of Machinery			Long 71.942239°
Sewer Material RCC  Screening Chamber  No. of Screens 1 Screen Condition Good Fair Poor Chamber Structure Walls dismantled, not installed properly, no walls above ground  Number 1 Shape Rectangular Circular Size 18 ft Structure Masonry RCC Railling Yes No  No. of force mains 1 Dia 12" (damaged and choked) Material AC Starting Point damaged Length GOOft Size - Sullage Carrier Ending Point damaged Length GOOft Size - Sullage Carrier Length GOOft Condition - Delivery Pipe Material MS Suction Dia 8" Pipe Material MS Suction Pipe Material CI Sulice Valves 2 Non-Return Valves Penstock Valves Not functional		Dia	18"		04/05/23 01:05 PM GM 1 +05:00
Screen Condition Chamber Chamber Chamber Structure Chamber Structure Chamber Structure Chamber Structure  Walls dismantled, not installed properly, no walls above ground  Number  Shape Shape Rectangular Size 18 ft  Structure Railing Yes No No. of force mains Dia 12" (damaged and choked) Material AC Starting Point Length Chamber Carrier Length Condition Delivery Pipe Material Suction Pipe Material Naterial MS Suction Pipe Material MS Suction Pipe Material MS Suction Pipe Material	-	Material	RCC		
Chamber Structure   Walls dismantled, not installed properly, no walls above ground    Number   1					
Number   Shape   Rectangular   Circular   Shape   Size   18 ft   Structure   Masonry   RCC   Railing   Yes   No   No   No. of force mains   1   Dia   Material   AC   Starting Point   Dia   D	-	Screen Condition			
Shape   Rectangular   Circular					□ GPS Map Camera
Siaple   Rectangular   Circular			1		
Structure Masonry RCC Railing Yes No  No. of force mains Dia 12" (damaged and choked) Material AC Starting Point Pump house Ending Point damaged Length 600ft Size				Circular	Lat 30.29358°
Railing Yes No  No. of force mains 1  Dia 12" (damaged and choked)  Material AC  Starting Point Pump house Ending Point damaged Length 600ft  Size Starting Point Lat 30.298611" Long 71.942324" O4/05/23 01:04 PM SMT + 05:00  Valves  Railing Yes No  No  No. of force mains 1  Dia 12" (damaged and choked)  AC  Starting Point Qamaged  Found AC  Starting Point Gamaged  AC  Starting Point Gamag	Wet Wells				
Force Main  Force Main    Dia			,		
Force Main  Force Main  Dia  12" (damaged and choked)  Material  AC  Starting Point  Pump house  Ending Point  Length  600ft  Length  5ize  Sullage  Shape  Carrier  Length  Condition  Delivery  Dia  Pipe  Material  MS  Suction  Pipe  Naterial  Number of Valves  Penstock Valves  Dia  12" (damaged and choked)  AC  Starting Point  AC  AC  Starting Point  Pump house  Ending Point  AC  Sump house  AC  Shape  -  Conofit  Conofit  AC  Sump house  For Khanewal, Punjab, Pakistan  AC  Khanewal, Punjab, Pakistan  AC  Khanewal, Punjab, Pakistan  AC  O4/05/23 01:04 PM GMT + 05:00				N0	
Force Main  Material Starting Point Ending Point Length Condition  Delivery Pipe Material Suction Pipe  Material  Material  AC Starting Point Dia B'' NWV4-38.X, E-5 Knanewal, Punjab, Pakistan Lat 30.293629* Length Condition  Delivery Pipe Material Suction Pipe  Material  Suction Pipe  Material  Sluice Valves  Non-Return Valves Penstock Valves  Not functional			-		
Starting Point Pump house Ending Point damaged Length 600ft  Size				ia chokea)	
Ending Point Length Condition  Delivery Pipe Material Suction Pipe  Number of Valves  Ending Point  damaged Adamaged Adamage Adamaged Adamage Adamaged Adama	Force Main			150	
Length   G00ft			·		The state of the s
Size		•		u	
Sullage		•	-		
Carrier  Length Condition - Delivery Pipe Material Suction Pipe Material  Number of Valves  Length Condition -  Number of Valves  Length - Condition -  Na  18"  MS  MS  MS  MS  MS  MS  MS  MS  MS  M	Sullane		-		04/04/20 01/04 1 14/01/05
Condition  Delivery Dia  Material  Suction  Pipe Material  Suction  Pipe Material  Suction  Pipe Material  CI  Suice Valves  Non-Return Valves  Penstock Valves  Cops Map Camera  NS  Survives  Non-Return Valves  Non-Return Valves  Not functional	-		-		Com-
Delivery Pipe Material MS Suction Dia 8" Material CI Suice Valves Dia 8" Number of Valves Not functional  Dia 18"  MS  Suction Pipe Material CI Sluice Valves 2 Non-Return Valves 1 Penstock Valves Not functional			-		
Pipe Material MS Suction Dia 8"  Pipe Material CI  Number of Valves Suction Valves Not functional  Material Suice Valves Not functional  MS  Suction Pipe Material CI  Suice Valves 2  Non-Return Valves 1  Penstock Valves Not functional	Delivery		18"		
Pipe Material CI  Number of Valves Penstock Valves Not functional    Khanewal, Punjab, Pakistan   Khanewal, Punjab, Pakistan   Number of Valves   CI   CI   CI   CI   CI   CI   CI   C	•	Material	MS		
Pipe Material CI  Number of Valves Sluice Valves 2  Non-Return Valves 1  Penstock Valves Not functional		Dia	8"		
Number of Valves    Sluice Valves   2	Pipe	Material	CI		7WVV+35X, E-5 Khanewal, Punjab, Pakistan
Valves   Non-Return Valves   1   Penstock Valves   Not functional	Niah an af	Sluice Valves	2		Long 71.942363°
Penstock Valves   Not functional		Non-Return Valves	1		04/05/23 01:04 PM GMT +05:00
Ultimate Disposal Pond and fields	A GIAC2	Penstock Valves	Not function	onal	
- One and notes	Ultimate Dis	sposal	Pond and f	ields	

	Int	earate	d Dev	elopm	ent	and Asset	Man	agement	Plan (ID	AMP)		
Civil Struct		_			Go		Fair	Poor		XX28		19
Control Roc					Go		Fair	Poor				11
Discharge E					Go		Fair	Poor			al.	
Approach to					Go		Fair	Poor				
Hoisting Gir						es		No		1	-	
Boundary W					Y			No	W. P. Zen-	Khanawal E	unjab, Pakista	S Map Camera
Treatment					Υe			No		7WVV+35X, E	-5 Khanewal, P	unjab, Pakistan
Wastewater		arge ir	1					-		Lat 30.29344 Long 71.9423	64°	
m <sup>3</sup> /day?	,					2275			200gle	04/05/23 01:	06 PM GMT +08	:00
(based on a	vailable info	ormatio	on			3275	)					
at MC)												
Ultimate dis	sposal of wa	stewa	ter?	Pond	and	fields			- WAR			
	Electro-	Mecha	nical	Equip	men	t Details			Link	A THE WAY	- 2	Marie Control
Number of	WAPDA Fee	ders				1			10.5		*	A M
Transforme	r Capacity	(kVA)				50 KV	A			A Trans	*	
Number of						1			Aug.		□GI	S Map Camera
Sanctioned	Load (kWh)	)				15					unjab, Pakista E-5 Khanewal, P	n unjab, Pakistan
Power Fact	or Improvei	ment						NI.		Lat 30.29351	1°	
Equipment	·				Y	25		No	Google		66* 07 PM GMT +05	:00
Service Cat	ole				Ye	es		No		MAGE ATTEMPT TO CASE OF		CANADA AND AND AND AND AND AND AND AND AN
Power Wirir	ng				Ye	es		No				
Earthing of	•				Ye	es	No					
Earthing of					Ye	es		No				
Generator A					Υe	es		No				
Light Wiring		louse			Ye	es		No				
Change Ove	er				Ye	es		No				
_						Pump Det	ail					
			P	ump A Pump B				3	Pu	mp C	Pu	mp D
Dumn Tuno			Cen	trifugal/						·		
Pump Type			Non-	Clogg	ing							
Pump Brane	d			KSB								
Pump Paint				no								
Motor Bran	d		Si	emens	5							
Installation	Year of Pu	mp	2	2017								
Discharge C	Capacity (Cu	isecs)		2								
Rotational S	Speed (RPM	l)		980								
Head (ft.)				40								
Motor Powe	er (HP)			25								
Pump Daily	Running Ti	me	1	.6 hrs								
(Hours)								1				
Base Plate	Tar		Yes	No	)	Yes		No	Yes	No	Yes	No
Number of	Sluice Valv							2				
Valves	Non-Retur Valve	ning						1				
A				1		Overall Ra	ting		ı			
Average Score	1		2	]		3		4			5	
Asset Condition	Excellent	(	Good			Fair	ı	Poor	Failing			
Category	Α		В	C D			D	E				
Category	/1			Re	mai	rks / Requ	ireme		<u> </u>		_	
				1,6	mul	/ INCHE	51116					

- Rainwater enters into Pump House due to damaged ceiling
- 1 pump required
- Walls of screening chamber, wet-well and discharge box damaged and without railings

### Integrated Development and Asset Management Plan (IDAMP) Pump leakage issue No washroom available No staff quarter Force main rehabilitation and cleaning required No generator room and generator Harooz. Data Collected By: Mr. Designation: Team Member Haroon Sign & Date: 30 May 2023 Data Checked By: Mr. Designation: Team Mudassar Alvi Lead Sign & Date: 30 May 2023

	Integrated Deve	lopment and As	set Ma	nagement	Plan (IDAMP)
		Municipal Comm	ittee K	hanewal	
Form: IDAMP-A7		e Disposal Stati ndition Assessm			Asset Code: Date: 04-05-2023
	Asset [	Detail			Pictures
Name		Nizam Abad D	isposal	Station	
Location	Latitude	30.30	02737		
Location	Longitude	71.94	45664		
Address		Nizam A	bad Ro	ad	4
Area (Acres	;)	0.33	acres		
Installation	Year	-			
Capital Cost	of Machinery				Khanewal, Punjab, Pakistan
Outfall	Dia	1	8"		8W3W+H69, Khanewal, Punjab, Pakistan Lat 30.302831°
Drain Sewer	Material	R	СС		Lat 30.302831° Long 71.945712° 04/05/23 12:40 PM GMT +05:00
	No. of Screens	Not seen due	to was	tewater	
Screening	Screen Condition	Good	Fair	Poor	
Chamber	Chamber Structure	Walls dismant waste	led, fill ewater	led with	The second second
	Number		2		
	Shape	Rectangular	Ci	rcular	
Wet Wells	Size		3 ft		MGPS Map Camera Change Camera Change Camera Change Camera Change Camera Change Camera Change
	Structure	Masonry		RCC	8W3W+H69, Khanewal, Punjab, Pakistan Lat 30.30279°
	Railing	Yes		No	Long 71.94574°
	No. of force mains		1		04/05/23 12:40 PM GMT +05:00
	Dia	12" (0	:hoked)	)	
	Material		CC		
<b></b>	Starting Point	Pump	house		
Force Main	Ending Point	Originally to W after 900 ft ar	WTP bu		☐ GPS Map Camera  Khanewal, Punjab, Pakistan  8w3W-H69, Khanewal, Punjab, Pakistan
	Length	Lat 30.30277°			
	Size		-		Joogle Long 71.945685° 04/05/23 12:40 PM GMT +05:00
Sullage	Shape		-		
Carrier	Length		-		]
	Condition		-		1
	Dia	8	3"		1

	Integrated	Deve	lopment a	and As	set Ma	nagemen	t Plan (IC	DAMP)		
Delivery Pipe	Material			(	CI					
Suction	Dia			8	3''			ALL I		4-5
Pipe	Material				<u>,                                     </u>					
1.50	Sluice Valves						Telegraphy	-		
Number of	Non-Return Valv	100			<u>2</u> 1		A COLUMN		The second second second	GPS Map Camera
Valves	Penstock Valves				1 1		- ( <b>•</b> )		Punjab, Pakis , Khanewal, Pu	
Ultimate Dis		)	Dono	· · · · · · · · · · · · · · · · · · ·	low on	road		Lat 30.3029 Long 71.945		2.24
	ire Condition				Google		2:39 PM GMT +	05:00		
Control Roo			Goo		Fair	Poor	# 10 mm of 1		STATE MATERIAL STATE	
			Goo		Fair	Poor				
	ox Structure		Goo		Fair	Poor				B 1 3
	Pump House		Goo		Fair	Poor				
Hoisting Gire			Yes			No				
Boundary W			Yes			No				
Treatment o			Yes	5		No		- 0		
	daily discharge in	n						# St		GPS Map Camera
m³/day?				1./	30		•	8W3W+H69	Punjab, Pakis ), Khanewal, Pu	
(based on av	vailable informati	on		17	.50			Lat 30.3027		
at MC)							Google		2:41 PM GMT +	05:00
Ultimate dis	posal of wastewa	ter?	Pond, ove	erflow	on road	t				I seemed to
	Electro-Mechar	nical I	Equipment	t Detai	ls					- 7
Number of V	VAPDA Feeders				1			M. Personal		
Transformer	r Capacity (kVA)		5	O KVA	(stoler	1)				W
Number of M					<u>`</u> 1	<u> </u>				
Sanctioned				1	5			Total Carrie	1	74.
	or Improvement							Khanewal.	Punjab, Pakis	GPS Map Camera tan
Equipment			Yes	5		No			, Khanewal, Pu	
Service Cab	le		Yes	;		No	16/45	Long 71.945	5529°	
Power Wirin			Yes			No	500gle	04/05/23 12	2:56 PM GMT +	05:00
Earthing of I	•		Yes			No	-			
Earthing of I		Yes				No	-			
Generator A			Yes			No				
	of Pump House		Yes			No				
Change Ove			Yes			No				
Change Ove	ı				)otail	NU				
				Pump [			D	C		D
			ump A		Pump	ם	Pur	np C	P	ump D
Pump Type			trifugal/							
			Clogging							
Pump Brand	1		KSB							
Pump Paint			no							
Motor Branc			emens							
	Year of Pump	2	2017							
Discharge C	apacity		1.5							
(Cusecs)										
	Speed (RPM)		980							
Head (ft.)			40							
Motor Powe	r (HP)		20							
Pump Daily (Hours)	Running Time	-	7 hrs							
Base Plate		Yes	No	Υ	es	No	Yes	No	Yes	No
	Sluice Valve		.,,	· · ·	- <del>-</del>	2			1 . 55	
Number of	Non-Returning									
Valves	Valve		-	44	<b>.</b>	1				
			0	verall l	Rating					

	Integrated Development and Asset Management Plan (IDAMP)										
Average Score	1	1 2 3 4 5									
Asset Condition	Excellent	Excellent Good		Poor	Failing						
Category	Α	В	С	D	E						

### Remarks / Requirements

- Boundary wall damage around 75ft
- No generator room and generator
- No transformer
- No railing of wet-well and screening chamber
- Force main is choked
- 1 pump required
- Staircase of pump house is dangerous
- Originally designed for 2 town but now taking wastewater of 15 towns
- Sometime disposal station is not working and MC used peter engine to dispose it to nearby pond
- Force main overflows in Rahim town near vice chairman house and residents are facing problems due to it

Data Collected By: Mr. Haroon	Designation: Team Member	Harooz.
		Sign & Date: 30 May 2023
Data Checked By: Mr. Mudassar Alvi	Designation: Team Lead	Sign & Date: 30 May 2023

	Integrated Development and Asset Management Plan (IDAMP)									
		Municipal Com	mittee	Khanewa	1					
Form: IDAMP-A7		e Disposal Stat dition Assessn			Asset Code: Date: 03-05-2023					
	Asset D	etail			Pictures					
Name	ASSELD	Old Khane	wal Dis	posal	rictures					
	Latitude		10233							
Location	Longitude		12761							
Address	,	Canal Road		wa City	☐ GPS Map Camera					
Area (Acres	`		using 5 acres		Khanewal, Punjab, Pakistan					
Installation			004		Canal Road, Khanewal, Punjab, Pakistan Lat 30.310233°					
	of Machinery				Long 71.912761° 300gle 03/05/23 04:43 PM GMT +05:00					
Outfall	Dia		36"							
Drain	Material		RCC		No breday					
Sewer										
Screening	No. of Screens	Caral	1	D						
Chamber	Screen Condition Chamber Structure	Good	Fair mantle	Poor						
	Number		Nos.		GPS Map Camera					
	Shape	Rectangular		cular	Khanewal, Punjab, Pakistan					
Wet Wells	Size		0 ft	Culai	Canal Road, Khanewal, Punjab, Pakistan Lat 30.310619°					
Wet Wells	Structure	Masonry		RCC	Long 71.912743° 300gle 03/05/23 04:44 PM GMT +05:00					
	Railing	Yes		No No						
	No. of force mains	163	1	INO						
	Dia	-	12"							
	Material		AC							
Force Main	Starting Point		al statio	n						
	Ending Point	Nanakpur m			A STATE OF THE STA					
	Length		00 ft		☐ GPS Map Camera					
	Size	2.5	ft inner		Khanewal, Punjab, Pakistan Canal Road, Khanewal, Punjab, Pakistan					
Sullage	Shape	Kā	itcha		Lat 30.310523° Long 71.912741°					
Carrier	Length		-		Google 03/05/23 04:44 PM GMT +05:00					
	Condition	р	oor							
Delivery	Dia	-	18"							
Pipe	Material		CI							
Suction	Dia		8"							
Pipe	Material		CI							
Number of	Sluice Valves		4		☐ GPS Map Camera					
Valves	Non-Return Valves		2		Khanewal, Punjab, Pakistan Canal Road, Khanewal, Punjab, Pakistan					
	Penstock Valves		1		Lat 30.310654°					
Ultimate Dis		Rohi Nulla	1		Long 71.912868° 03/05/23 04:44 PM GMT +05:00					
	re Condition	Good Good	Fair	Poor						
	Control Room Structure		Fair	Poor						
	Discharge Box Structure Approach to Pump House		Fair	Poor						
Hoisting Girder		Good Fair F Yes No		Poor No						
Boundary Wall & Gate										
Treatment of Sewage		Yes No		No						
	Wastewater daily discharge in			110						
m³/day?		4	550							
· -	ailable information		220							
at MC)										

	Inte	grated	Deve	elopment a	nd A	Asset Ma	anageme	nt Plan (IDAI	MP)
Ultimate dis	sposal of			Nanakpur	min	or and fi	iolds		
wastewater				,			ieius		STATISTICAL STATES
			ical E	quipment	Deta	ils			
Number of						1			
Transforme		(kVA)		200 KVA					
Number of						2			
Sanctioned					75				
Power Fact	or Improvei	ment		Yes		N	10		GPS Map Camera ewal, Punjab, Pakistan
Equipment									Road, Khanewal, Punjab, Pakistan 0.309302°
Service Cab			Yes				10		71.912428° 5/23 04:41 PM GMT +05:00
Power Wirir	•			Yes			10		
Earthing of				Yes			10		
Earthing of				Yes			10		
Generator A	•			Yes			10		
Light Wiring		louse		Yes Yes			10		
Change Ove	Change Over						10		
					Pump	Detail .		ı .	
				ump A		Pump	В		
Pump Type	Dump Type			Centrifugal/		Centrifugal/ Non-			
			Non	-Clogging		Clogging			
Pump Brand	d		KSB			KSB	3		
Pump Paint				no		no			
Motor Bran				iemens		Sieme			
Installation		mp		2004		2004	4		
Discharge C	Capacity		Δ	cusecs		4 cusecs			
(Cusecs)									
Rotational S	Speed (RPM	1)		980		980	)		
Head (ft.)				50		50			
Motor Powe	er (HP)		į	50 HP		50 HP			
Pump Daily (Hours)	Running Ti	me	7	'-8 hrs		7-8 h	rs		
(Hours)									No
Base Plate			Yes	No		Yes	No	Yes	NO
	Sluice Valv	ve						<u>.                                    </u>	ı
Number of	Non-Retur								
Valves	Valve						2	) -	
				0,	vera	II Rating	]		
Average	1	2		3		•	4		5
Score									
Asset Condition	Excellent	Good	i	Fair		Po	oor		Failing
Category	Α	В		С	D			E	
category	Λ				(s / I	Require			<u> </u>
				Remain	(3 / I	requirer	inciit3		

- Force main repair required around 100 feet
- Screening chamber repair needed
- Culvert required for direct access
- Requirement of washroom for operators
- Replacement of 50 KVA genset along with accessories
- Pump replacement
- There is no girder in pump.
- Pump room railing missing
- Delivery pipe replacement required from MS to CI
- Suction pipe need to be replaced due to rusting.

Integrated	Integrated Development and Asset Management Plan (IDAMP)									
Data Collected By: Mr. Haroon	Designation: Team Member	Harooz.								
		Sign & Date: 30 May 2023								
Data Checked By: Mr. Mudassar Alvi	Designation: Team Lead	Sign & Date: 30 May 2023								

	Integrated Deve	elopment and As	set Mar	nagement	Plan (IDAMP)
		Municipal Comm	ittee Kl	nanewal	
Form: IDAMP-A7		ge Disposal Stati ndition Assessm			Asset Code: Date: 03-05-2023
	Asset I	Detail			Pictures
Name		Tariq Abad Di	sposal S	Station	TO THE PARTY OF TH
Location	Latitude	30.29	93988		A
Location	Longitude	71.90	09022		
Address			oad	i Mandi	
Area (Acres			acres		☐ GPS Map Camera Khanewal, Punjab, Pakistan
Installation		20	)17		, Punjab, Khanewal, Punjab, Pakistan
Capital Cost	of Machinery				Lat 30.294316° Long 71.90898°
Outfall	Dia	42	2"		Google 03/05/23 06:14 PM GMT +05:00
Drain Sewer	Material	RO	СС		
Screening	No. of Screens		1		
Chamber	Screen Condition	Good	Fair	Poor	
Citatibei	Chamber Structure	Brick m	nasonry		Per Carlos Constitution of the Carlos Constituti
	Number	2 new	, 2 old		
	Shape	Rectangular	Cir	cular	☐ GPS Map Camera  Khanewal, Punjab, Pakistan
Wet Wells	Size	20	) ft		7WV6+R32, Khanewal, Punjab, Pakistan
	Structure	Masonry	F	RCC	Lat 30.2942° Long 71.909606°
	Railing	Yes		No	300gle 03/05/23 06:17 PM GMT +05:00
	No. of force mains		2		
	Dia	24" aı	nd 32"		
Force Main	Material	GI	RP		
i orce main	Starting Point	Pump	house		
	Ending Point	Canal ar	nd WWT	Р	A THE RESIDENCE OF THE PARTY OF
	Length	4.7	' KM		1000
	Size		-		☐GPS Map Camera  Khanewal, Punjab, Pakistan
Sullage	Shape		-		, Punjab, Khanewal, Punjab, Pakistan Lat 30.294235°
Carrier	Length		-		Long 71.909373° Google 03/05/23 06:17 PM GMT +05:00
	Condition		-		03/00/23 00:17 PM GMT +05:00
Delivery	Dia		3''		
Pipe	Material		CI		
Suction	Dia		3"		and and and
Pipe	Material		CI		
Number of	Sluice Valves		6		20 10 10 10 10 10 10 10 10 10 10 10 10 10
Valves	Non-Return Valves		3		E3 1
	Penstock Valves		2		GPS Map Camera
Ultimate Disposal		Canal ar		P	Khanewal, Punjab, Pakistan , Punjab, Khanewal, Punjab, Pakistan
	re Condition	Good	Fair	Poor	Lat 30.294097°
Control Room Structure		Good	Fair	Poor	Long 71.908929° 03/05/23 06:24 PM GMT +05:00
	ox Structure	Good	Fair	Poor	
Approach to Pump House		Good	Fair	Poor	
Hoisting Girder		Yes		No	
Boundary W		Yes		No	
Treatment of Sewage		Yes		No	
m³/day? (based on av	daily discharge in vailable information	24!	550		
at MC)	valiable information				

	Inte	grated	Devel	lopm	nent :	and Ass	set Mai	nagement	Plan (II	DAMP)		
Ultimate di wastewater			(	Cana	al and	d WWTF	ο,				AND COMPANY	September 1
	Electro-I		nical E	quip	omen	t Detai	ls				4-	
Number of	WAPDA Fee	eders				1	1					
	er Capacity	(kVA)		400 KVA								
	Number of MCU			1					Khanewal, I	Punjab, Pak	GPS Map Camera	
	Load (kWh)					3	0				enewal, Punja	
	or Improve	ment			Yes	5		No	Poodle	Long 71.909	254°	
Equipment	L 1 -							NI -	500gle	03/05/23 06	:16 PM GMT	+05:00
Service Cal				Yes Yes				No No				
Power Wiring of	_				Yes			No				
Earthing of					Yes			No				
Generator A					Yes			No				
	g of Pump F	louse			Yes			No				
Change Ove	<del>*</del>	10050			Yes			No				
onange or	<u>.                                    </u>					Pump [		110				
			Pu	mp /			Pump	В	Pui	mp C	Р	ump D
			Cent			Cen	trifuga			ifugal/		p -
Pump Type			Non-C	-		•	Cloggi			logging		
Pump Bran	d			(SB	, ,		KSB			SB		
Pump Paint	t		y	yes			yes		У	es		
Motor Bran	•			iemens			Siemens		Siemens			
Installation	Year of Pu	mp	2	2017		2017		20	017			
Discharge ( (Cusecs)	Capacity			5			5			5		
	Speed (RPM	1)	ç	980			980		9	80		
Head (ft.)				70			70		-	70		
Motor Powe	er (HP)			60			60		(	50		
Pump Daily (Hours)	Running Ti	me	16	L6 hrs		16 hrs		16	hrs			
Base Plate			Yes	N	0	Y	es No		Yes	No	Yes	No
Number of	Sluice Val	ve						6				•
Number of Valves	Non-Retur Valve	ning						3				
					С	verall l	Rating					
Average Score	1		2			3		4			5	
Asset Condition	Excellent	(	Good		F	air	F	oor		Fai	ling	
Category	Α		В			С		D			E	
<i>y.</i> 1				R	emar	ks / Re	quirem	ents				
South s	side of boun	dary w	all dar	mage	e aro	und 50	0 ft					
	of pump hous		t well a	and s	scree	ning Sc	chambe	r required				
- Railing	paint requir	cu.										
			Desig Memb	ibei				Harooz.				
					Sign &	Date: 30	мау 20.	23				
Data Check Mudassar A	•		Desig Lead	natio	on: T	eam	MArbi					
							Sign & Date: 30 May 2023					

	Integrated Devel	opment an	d Ass	et M	anagemen	t Plan (IDAMP)
	N	lunicipal Co	ommi	ttee	Khanewal	
Form: IDAMP-A7		ge Disposa Indition As				Asset D
	Asset D	etail		Pic		
Name		Pe	ny	-		
	Latitude		30.30		•	1
Location	Longitude		71.93	3938		
Address						
Area (Acres)			3.0	36		
Installation Yea	r		19	98		
Capital Cost of	Machinery					
Outfall Drain	Dia		15	5"		
Sewer	Material		RC	C		
	No. of Screens		2	) -		
Screening	Screen	Good	Fa	ir	Poor	
Chamber	Condition	000u	1 0	111	FUUI	7-1-1
Chamber	Chamber		Maso	nrv		
	Structure		Musc	Jili y		THE REPORT OF THE PARTY OF THE
	Number		2			
	Shape	Rectang			Circular	
Wet Wells	Size		25	5′		
	Structure	Mason	ry		RCC	
	Railing	Yes			No	
	No. of force		1			
	mains					
	Dia	12"				
Force Main	Material	AC				
	Starting Point		Dry well			
	Ending Point	Su	ıllage	Carri	er	
	Length					PETERS NOW
	Size	_	2.5			7.
Sullage Carrier	Shape	<u> </u>	Rectar		r	アナー
	Length		60			
	Condition		<u>Po</u> 8			
Delivery Pipe	Dia		8 C.			
	Material		 8			
Suction Pipe	Dia Material		<u>o</u>			
	Sluice Valves		4			
	Non-Return		- 4	•		
Number of	Valves		2	) -		
Valves Penstock						
Valves			2	-		No. of the last of
Ultimate Dispos						
Civil Structure		Good	Fa	nir	Poor	
Control Room S		Good	Fa		Poor	1
Discharge Box S		Good	Fa		Poor	
Approach to Pu		Good	Fa		Poor	
Hoisting Girder		Yes			No	1
Boundary Wall 8	& Gate	Yes			No	1
Treatment of Se		Yes			No	
	•					•



Asset Code:

Pictures

Date: 03-05-2023



	Integrated I	Devel	opment a	nd Ass	set Mana	gement Plan (IDA	MP)			
Wastewater da	aily discharge i					20				
m³/day?				1 5	50					
	lable informati	on		13	50	A STATE OF THE STA				
at MC)						No.				
	sal of wastewa				The state of the s					
	lectro-Mechan	ical E	quipment	: Detai	ls	and the same of th				
Number of WA					1					
Transformer C					0					
Number of MC	×				3					
Sanctioned Lo	, ,			3	0					
Power Factor	Improvement		Yes	5	No					
	Equipment						To the same of the			
Service Cable			Yes		No.		5.65			
Power Wiring	,		Yes		No.	AND DESCRIPTION OF THE PERSON				
Earthing of Mo			Yes		No.		A STATE OF THE STA			
Earthing of MC			Yes		No.		The second secon			
Generator Ava	•		Yes		No.					
Light Wiring of	rump House		Yes Yes		No.					
Change Over	Change Over				No.	0				
		F	Pump E			Dump B				
		C =1	Pump			Pump B				
Pump Type				-	I/ Non-	Centrifuç	gal/ Non-Clogging			
Pump Brand				Cloggi KSB			KSB			
Pump Paint				Ok	·		NOD			
Motor Brand			Siemens							
Installation Ye	ar of Dump		1998							
	acity (Cusecs)		1.5							
Rotational Spe	•		950			Noi	n-functional			
Head (ft.)	eu (KFM)		50							
Motor Power (	HD)		25							
	inning Time (Ho	ure)								
Base Plate	illing Time (III	Jul 3)	Yes No			Yes	No			
	Sluice Valve	ı	res No			ı	4			
Number of	Non-Returni									
Valves	Valve	9				2				
	74.75		0\	verall l	Rating					
Average					_	_	_			
Score	1		2		3	4	5			
Asset	Fundlant		Good		!	Dana	Fa:(:			
Condition	Excellent	,	300a	l	air	Poor	Failing			
Category	Α		В		С	D	E			
			Remark	s / Re	quireme	nts				
No remark	(S									
						_				
			Designat	ion: Te	eam	Hara	200			
Data Collected	By: Mr. Haroon		Member	1011. 1		1000				
						Sign & Date: 30	May 2023			
						1 1	, =			
Data Checked By: Mr. Mudassar			Docionat	ion. T	m	I MA	cha			
Data Checked E   Alvi	oy. wii. wiuaassa	11	Designat Lead	1011; 16	dIII	144	Uses			
AIVI			Leau							
1			1			Sign & Date: 30	May 2023			

## C. Vehicles/ Machinery

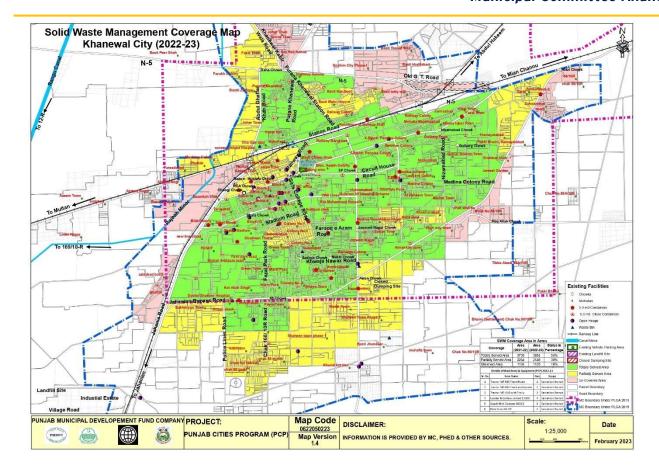
Sr #	Name	Registration Number	Age (Years)	Condition	Status	Book Value (PKR Mil)	Capacity
1	Suction Machine-Nissan	No Registration	15	Fair	Functional	0.6	125 Hp
2	Jetting Machine-Nissan	No Registration	16	Fair	Functional	0.6	125 Hp
3	Dewatering set (9 nos.)	Not available	Not available	Fair	Functional	Not available	Not available
4	Shoulder Foggers (10 nos.)	Not Applicable	10	Fair	Functional	Not Available	Not Available
5	Spray Pumps (25 nos.)	Not Applicable	10	Fair	Functional	Not Available	Not Available
6	Safety Gear (20 nos.)	Not Applicable	10	Fair	Functional	Not Available	Not Available
7	Sewer Safety Equipment (2 nos.)	Not Applicable	10	Fair	Functional	Not Available	Not Available

#### Integrated Development and Asset Management Plan (IDAMP) Municipal Committee Khanewal Form: Moveable Asset Asset Code: Date: 05-05-2023 IDAMP-A16 **Asset Condition Assessment** Type of Vehicle / Machinery Pictures Sucker and Jetting Machine Suction Machine-Nissan Jetting Machine-Nissan Capacity 4500 liters 4500 liters Purpose Suction Jetting Year of 2008 2007 Manufacturing Model Not Available Not Available **Capital Cost Fuel Consumption** 613 558 Condition Fair Fair **Engine Capacity** 125hp 125hp Maintenance Cost Not Available Not Available Oiling /Fitness Yes Yes Fitness Certificate No No Registered No Registration No Registration **Overall Rating** Fair Fair Remarks / Requirements Data Collected By: Mr. Haroon Designation: Team Member Sign & Date: 30 May 2023 Data Checked By: Mr. Designation: Team Lead Sign & Date: 30 May 2023 Mudassar Alvi

### 3. SOLID WASTE MANAGEMENT

### Key Components of Solid Waste Management System





Α.	. Dumping Site										
Sr #	Name	Age (Years)	Condition	Status	Book Value (PKR Mil)	Area (Acres)	Ownership				
1	Landfill Site	10	Fair	Functional	752	11.75	МС				

	In	tegrate	ed Devel	opn	nent	And As	set Manage	ement Plan (IDAMP)
					Мι	ınicipal k	Khanewal	
Form IDAMP-						te Dump lition As	ing Site sessment	Asset ( Da
Name			La	ndf	ill S	ite		Pictures
Location	Latitu	de	30	).26	669	33		
Location	Longit	ude	71	1.88	357	63		
Address								
Area (Acre				11	.75			
Distance f	rom urb	an						
area								The same of the sa
Year the s				20	13			23.24
for dumpir	_				13			
Average w	aste du	mped					A STATE OF THE STA	
daily			No:	t Av	aila	ıble		Khanewal, Punjab, Pak Unnamed Road, Khanewa
(based on		tion						Lat 30.266933°
provided b		1.						Long 71.885763°
handlers	TOT Was	te	No	t Av	aila	ıble	Google	03/05/23 05:55 PM GMT
Availabilit	v of PPF	s for						A STATE OF THE STA
waste	y 01 1 1 L	-3 101	Yes		No			
collectors	/handler	·s	103		110			
Expected I			2					
Land Owner				Pri۱	/ate	!		
Site Acces					od			
Surface Ty	•		Flat		De	epresse d	•	
Approach Condition	Road		Good	Fá	air	Poor		
Parking Sh	ned		Yes			No		
Boundary	Wall		Yes			No		
Gate		Yes			No			
Ramps		Yes			No		Khanewal, Punjab, Pak	
Any Building at Site		Yes			No		Unnamed Road, Khanewa	
Weigh Brid	-		Yes			No		Lat 30.266935° Long 71.885762°
Earth Cove			Yes			No	Google	03/05/23 05:55 PM GMT
Arrangem								35,00,20 00.00 FM CMT
Compactio	n Equip	ment	Yes			No		
Plantation	Around	Site	Yes			No		



Asset Code:

Date: 05-05-2023



Any illegal occupants or encroachments observed-if yes, type		No					
			Overall	Rating			
Average Score	1		2	3	4	5	
Asset Condition	Excelle	ent	Good	Fair	Poor	Failing	
Category	Category A		В	C	D	E	
			Remarks / R	equirements			
Data Collected I	Data Collected By: Mr. Haroon		Designation: Team Member		Harooz.		
					Sign & Date: 30 May 2023		
Data Checked By: Mr. Mudassar Alvi		Designation: Team Lead		MArbi			
					Sign & Date: 30	May 2023	

## B. Vehicles/ Machinery

Sr #	Name	No.	Registratio n Number	Age (Years)	Conditio n	Status	Book Value (PKR Mil)	Capacity
1	Waste Loader- Millat	1	KWE 8746	17	Fair	Functiona I	0.1	85 HP
2	Waste Loader- Millat	1	KWJ 1213	11	Fair	Functiona I	0.2	85 HP
3	Tractor- Millat	1	KW 5031	35	Poor	Functiona I	0.1	50 HP
4	Tractor- Millat	1	KWE 8747	17	Fair	Functiona I	0.1	50 HP
5	Tractor- Millat	1	KWB 8628	23	Fair	Functiona I	0.1	50 HP
6	Tractor- Millat	1	MNF 5148	42	Poor	Functiona I	0.1	47 HP
7	Tractor- Millat	1	KWJ 5234	14	Fair	Functiona I	0.1	50 HP
8	Tractor- Millat	1	KWJ 1314	11	Fair	Functiona I	0.2	50 HP
9	Tractor- Millat	1	No Registration	7	Good	Functiona I	0.3	60 HP
1 0	Tractor- Millat	1	No Registration	7	Good	Functiona I	0.3	60 HP
1 1	Tractor- Millat	1	KWJ 1414	11	Fair	Functiona I	0.2	50 HP
1 2	Loader Rickshaw QINGQI	1	KWJ 1221	11	Poor	Non- Functional	0.05	100 CC
1 3	Loader Rickshaw QINGQI	1	KWJ 1222	11	Fair	Functiona I	0.05	100 CC
1 4	ISUZU	1	KWJ-15-13	9	Good	Functiona I	0.5	4334 CC
1 5	ISUZU	1	KWJ-15-15	9	Good	Functiona I	0.5	4334 CC
1 6	ISUZU	1	KWJ-15-14	9	Poor	Non- Functional	0.5	4334 CC
1 7	ISUZU	1	KWJ-15-16	9	Good	Functiona I	0.5	4334 CC

Sr #	Name	No.	Registratio n Number	Age (Years)	Conditio n	Status	Book Value (PKR Mil)	Capacity
1 8	Suzuki- Pickup	1	KWJ-15-12	9	Good	Functiona I	0.2	796 CC
1 9	Suzuki- Pickup	1	KWJ-15-10	9	Good	Functiona I	0.2	796 CC
2	SWM containers	23	Not Available	Not Availabl e	Fair	Functiona I	Not Availabl e	5 m3
2	Garbage container 0.8 cubic meters capacity	31	Not Available	1	Excellent	Functiona I	0.08	0.8 Cubic Mete r
2 2	Hand Carts/wast e tipping trolly	20	Not Available	1	Excellent	Functiona I	0.08	Not Available
2 3	Hand Carts/wast e tipping trolly	18 0	Not Available	1	Excellent	Functiona I	0.05	Not Available
2 4	Mini tipper 1.0 cubic	3	Not Available	1	Excellent	Functiona I	1.66	1.0 cubic meter
2 5	Water truck with spray system	1	Not Available	1	Excellent	Functiona I	8.46	Not Available
2 6	Truck mounted vacuum sweeper 4 cubic meter	1	Not Available	1	Excellent	Functiona I	17.10	4.0 cubic meter
2 7	Front blade tractor	2	Not Available	1	Excellent	Functiona I	1.93	Not Available
2 8	Front end loader tractor	2	Not Available	1	Excellent	Functiona I	3.00	Not Available
2 9	Moter cycle 200 cc with hydraulic rikshaw	4	Not Available	1	Excellent	Functiona I	0.25	200 cc
3 0	Tractor MF 240	3	Not Available	1	Excellent	Functiona I	1.10	Not Available
3 1	Hydraulic Trolley	4	Not Available	1	Excellent	Functiona I	0.77	Not Available

Sr #	Name	No.	Registratio n Number	Age (Years)	Conditio n	Status	Book Value (PKR Mil)	Capacity
3 2	Water bowser tanki	1	Not Available	1	Excellent	Functiona I	3.06	Not Available
3	Garbage ji container carrier	2	Not Available	1	Excellent	Functiona I	0.86	Not Available
3 4	Garbage container 15 cu.m	50	Not Available	1	Excellent	Functiona I	0.38	15 cubic meter
3 5	Motor Cycle 125 cc	6	Not Available	1	Excellent	Functiona I	0.14	125 cc

### Integrated Development and Asset Management Plan (IDAMP) Municipal Committee Khanewal Form: Moveable Asset Asset Code: Date: 05-05-2023 IDAMP-A16 **Asset Condition Assessment** Type of Vehicle / Machinery **Pictures** Waste Loader Waste Loader-Millat Waste Loader-Millat Capacity 85hp 85hp Purpose SWM SWM Year of 2006 2012 Manufacturing MF 385 MF 385 Model Capital Cost **Fuel Consumption** 723 735 Condition Fair Fair **Engine Capacity** 85hp 85hp **Maintenance Cost** Not Available Not Available Oiling /Fitness Yes Yes **Fitness Certificate** No No KWE 8746 KWJ 1213 Registered Overall Rating Fair Fair Remarks / Requirements No remarks Haroog. Data Collected By: Mr. Haroon Designation: Team Member Sign & Date: 30 May 2023 Data Checked By: Mr. Designation: Team Lead Mudassar Alvi Sign & Date: 30 May 2023

Inte	grated Develo	opment and Asse	t Managemen	t Plan (IDAMP)				
	М	unicipal Committ	ee Khanewal					
Form: IDAMP-A16	Asse	Moveable Asse et Condition Asse		Asset Co Date	ode: e: 05-05-2023			
Type of Vehicle	/		Picture	es				
Machinery	100000000000000000000000000000000000000				I			
Tractor								
	Tractor- Millat 1	Tractor- Millat 2	Tractor- Millat 3	Tractor- Millat 4	Tractor- Millat 5			
Capacity	50hp	50hp	50hp	47hp	50hp			
Purpose	SWM	SWM	SWM	SWM	SWM			
Year of	5771m		311111		311111			
Manufacturing	1988	2006	2000	1981	2009			
Model	MF 240			MF 135	MF 240			
Capital Cost		= .0	MF 240	200				
Fuel Consumption	348	372	381	357	389			
Condition	Poor	Fair	Fair	Poor	Fair			
Engine Capacity	50hp	50hp	50hp	47hp	50hp			
	Not	Not	Not	Not	Not			
Maintenance Cost	Available	Available	Available	Available	Available			
Oiling /Fitness	Yes	Yes	Yes	Yes	Yes			
Fitness Certificate	No	No	No	No	No			
Registered	KW 5031	KWE 8747	KWB 8628	MNF 5148	KWJ 5234			
Overall Rating	Poor	Fair	Fair	Poor	Fair			
		Remarks / Requ	uirements					
No remarks								
Data Collected By: Mr. Haroon Designation: Team Member Haroot Sign & Date: 30 May 2023								
Data Checked By: Mr Mudassar Alvi	. D	esignation: Team	Lead	Sign & Date: 30	لم			

Integrated Development and Asset Management Plan (IDAMP)										
		Municip	oal Committee Khar	newal						
Form:			veable Asset			et Code:				
IDAMP-A16		sset Con	idition Assessment			Date: 05-05-2023				
Type of Vehicle Machinery	/		F	Pictur	es					
Tractor										
	Tractor- 6	Millat	Tractor-Millat 7	Tra	actor-Millat 8	Tractor-Millat 9				
Capacity	50 H	Р	60 HP		60 HP	50 HP				
Purpose	SWN	<u>И</u>	SWM		SWM	SWM				
Year of	201	<del></del>	2016		2016	2012				
Manufacturing										
Model	MF 24	40	MF 260		MF 260	MF 240				
Capital Cost										
Fuel Consumption	381		277		252	370				
Condition	Fair		Good		Good	Fair				
Engine Capacity	50 H		60 HP		60 HP	50 HP				
Maintenance Cost	Not Ava		Not Available	No	ot Available	Not Available				
Oiling /Fitness	Yes		Yes	-	Yes	Yes				
Fitness Certificate	No KW L13		No Degistration	NI	No	No KW L1414				
Registered	KWJ 13		No Registration	NO	Registration	KWJ 1414				
Overall Rating	Fair		Good narks / Requiremen	tc	Good	Fair				
No remarks										
Data Collected By: Mi	r. Haroon	Design	ation: Team Membe	r		arooz. 30 May 2023				
Data Checked By: Mr. Mudassar Alvi		Designation: Team Lead			M	30 May 2023				

### Integrated Development and Asset Management Plan (IDAMP) Municipal Committee Khanewal Form: Moveable Asset Asset Code: Date: 05-05-2023 IDAMP-A16 **Asset Condition Assessment** Type of Vehicle / Machinery Pictures Loader Rickshaw Loader Rickshaw QINGQI 1 Loader Rickshaw QINGQI 2 Capacity 1.5 m3 1.5 m3 Purpose SWM $\mathsf{SWM}$ Year of 2012 2012 Manufacturing Not Available Model Not Available Capital Cost **Fuel Consumption** Non functional 44 Condition Fair Poor **Engine Capacity** 100cc 100cc Not Available **Maintenance Cost** Not Available Oiling /Fitness No Yes **Fitness Certificate** No No KWJ 1221 KWJ 1222 Registered Overall Rating Poor Fair Remarks / Requirements No remarks Haroog Data Collected By: Mr. Haroon Designation: Team Member Sign & Date: 30 May 2023 Data Checked By: Mr. Designation: Team Lead Mudassar Alvi Sign & Date: 30 May 2023

Int	Integrated Development and Asset Management Plan (IDAMP)										
		Municip	oal Committee Khar	newal							
Form: IDAMP-A16	A:		veable Asset adition Assessment			t Code: Date: 05-05-2023					
Type of Vehicle	e /		F	Pictur	ctures						
Machinery											
Truck		BUZU			The second secon						
	Truck	: 1	Truck 2		Truck 3	Truck 4					
Capacity	5 m	3	5 m3		5 m3	5 m3					
Purpose	SWN	Л	SWM		SWM	SWM					
Year of Manufacturing	201	4	2014		2014	2014					
Model	NPF	₹	NPR		NPR	NPR					
Capital Cost											
Fuel Consumption	702	2	762	Nor	n-functional	670					
Condition	Goo	d	Good		Poor	Good					
Engine Capacity	4334	·CC	4334cc		4334cc	4334cc					
Maintenance Cost	Not Ava	ilable	Not Available	No	t Available	Not Available					
Oiling /Fitness	Yes	;	Yes		No	Yes					
Fitness Certificate	No		No		No	No					
Registered	KWJ-15	5-13	KWJ-15-15	K	(WJ-15-14	KWJ-15-16					
Overall Rating	Goo	d	Good		Poor	Good					
Remarks / Requirements  • No remarks											
Data Collected By: N	1r. Haroon	Design	Designation: Team Member		Harooq. Sign & Date: 30 May 2023						
Data Checked By: M Mudassar Alvi	r.	Designation: Team Lead			Sign & Date: 30 May 2023						

# 4. Building

### A. Offices

Sr #	Name	Condition	Book Value (PKR Mil)	Area
1	MC Office-Near Yousaf Park Khanewal	Fair	264	2.53

Integrated Development and Asset Management Plan (IDAMP)								
	Municipal Committee Khanewal							
Form:		Buildi	ng		Asset C	ode:		
IDAMP-A14	Ass		Condition Assessment Date: 04-05-202					
Name	<u> </u>	MC O			Pictures	5		
Lat	itude	30.3	004					
Location Lor	ngitude	71.9						
Address	•							
Year of Constr	uction							
Land Area (Acı		2.5	53					
No. of Stories	•	1						
Condition		Po	or					
Purpose		Adminis			The second second			
No. of Staff		5(						
No. of Rooms		32						
Conference/Me	eeting Room	Yes	No			W- Y		
Store Room	•	Yes	No					
Study Room/B	ook Shelf	Yes	No					
Boundary Wall	<del>-</del>	Yes	No			The state of the s		
Heating & Cool	ling			Company of the Compan	The state of the s			
Arrangement	•	Yes	No	9		17		
Parking Lots		Yes	No					
Drinking Water	Facilities	Yes	No	11000000000000000000000000000000000000	• •			
Availability and	d quality of				Y			
water		Voc	No	of the latest	57000			
(based on avai	lable water	Yes	No		_ 1000			
quality test rep	oorts)							
Washrooms / S	Sewerage	Yes	No					
System		163	INO	2 2 2				
Separate Wash	room for	Yes	No					
Ladies								
Prayers Area/ı	room	Yes	No					
Furniture		Yes	No	1		part		
Electric Applia	nces (Fans	Yes	No					
Etc.)								
Machinery & E	quipment	Yes	No					
Sports Club		Yes	No		1年1	33 4/4/4		
Staff Attendan	•	Yes	No	F-20-24		GPS Map Camera		
Emergency Ala	•	Yes	No		Khanewal, Punjab, 8W2C+4WM, Khanew			
Fire Fighting S	ystem /	Yes	No		Lat 30.300285°			
Equipment				Google	Long 71.922518° 03/05/23 10:29 AM 0	9MT +05:00		
Ramps for whe	el chairs at	Yes	No	HARD THE STATE OF	00/00/20 10:23 AIVI (			
entry gate	1							
Security Guard		Yes	No	4				
Park/lawn outo	aoor/inaoor	Yes	No					
plantation		Ovo	rall Rating					
Average								
Average Score		2	3	3	4	5		
Asset	Assat			_				
Condition	Excellent	Good	Fá	air	Poor	Failing		
Category	Α	В		 C	D	E		
2 2 2 3 2 . 1			/ Requirem	<u> </u>				

Integrated Development and Asset Management Plan (IDAMP)								
	Municipal Committee Khanewal							
Form: IDAMP-A14	As	Building set Condition Assessment	Asset Code: Date: 04-05-2023					
No remarks	No remarks							
Data Collected By	: Mr. Haroon	Designation: Team Member	Harooz. Sign & Date: 30 May 2023					
Data Checked By: Mr. Mudassar Alvi		Designation: Team Lead	Sign & Date: 30 May 2023					

### B. Other Buildings

Sr #	Name	Book Value	Area	Condition
1	Dengue Ware House-Near Yousaf Park Khanewal	Not Available	Not Available	Good
2	MC Residence- Near Yousaf Park Khanewal	Not Available	Not Available	Good
3	MC Store-Near Yousaf Park Khanewal	Not Available	Not Available	Good
4	MC Residence- Near Yousaf Park Khanewal	Not Available	Not Available	Good
5	MC Masjid-Near Yousaf Park Khanewal	Not Available	Not Available	Good
6	Generator Room- New Bus Stand Khanewal	Not Available	Not Available	Good
7	Residence-New Bus Stand Khanewal	Not Available	Not Available	Good
8	Generator Room- Chak No. 168/10 R	Not Available	Not Available	Good
9	Residence-Chak No. 168/10 R	Not Available	Not Available	Good
10	Residence at Landfill SiteChak No. 168/10 R	Not Available	Not Available	Good
11	Residence at Water WorksKhuram Pura Khanewal	Not Available	Not Available	Good
12	Residence at Water WorksPeoples Colony Khanewal	Not Available	Not Available	Good
13	Generator Room- Peoples Colony Khanewal	Not Available	Not Available	Good
14	Residence-Peoples Colony Khanewal	Not Available	Not Available	Good
15	Residence at Water Works-T Chowk Khanewal	Not Available	Not Available	Good

Sr #	Name	Book Value	Area	Condition
16	Residence at Water Works-T Chowk Khanewal	Not Available	Not Available	Good
17	Residence at Water Works-T Chowk Khanewal	Not Available	Not Available	Good
18	Generator Room- Old Khanewal	Not Available	Not Available	Good
19	Residence at Water Treatment Plant-Chak No 169/10 R	Not Available	Not Available	Good
20	Health Center- Health Center Khanewal	Not Available	Not Available	Good
21	MC Office-Near Yousaf Park Khanewal	264	2.53	Fair

#### 5. PUBLIC PLACES

A. Bu	A. Bus Stand								
Sr #	Name	Condition	Area (Acres)	Book Value (PKR Mil)					
1	General Bus Stand, Khanewal	Poor	9.15	281					
2	Wagon Stand	Fair	1.8	281					

	Integrated Development and Asset Management Plan (IDAMP)								
		Munici		ee Khanewal					
Form			Bus Stand	Asset Code:					
IDAMP-	A12		ndition Ass						
Name		Wagon	Stand	Pictures					
Location	Latitude	30.30	)24						
Location	Longitude	71.92	220						
Address									
Year of Cor	struction	Not ava	ilable						
Last Major	Renovation								
Area (Acres	s)	1.8	3						
Ownership		MC	2						
Class		A B	C D	*					
Designed	Buses								
Capacity	Coasters			RAJPUTOTRAVELS					
of Vehicles	Wagons			The state of the s					
Daily parking of	Buses	3-4	1	والله المسلمة الموشة المستانية المراقة المستودة المشتقة المراقة المشقو المنتق المناقة المشقو المنتق المناقة المنتقة ال					
vehicles (based on	Coasters	2-3	3						
informatio n provided	Wagons	110-3	120	TABBATT AND A					
by MC)	Rickshaws								
Distance fro	om the urban	Within	City						
Socurity	At Entry	Yes	No						
Security	At Exit	Yes	No						
Gate	At Entry	Yes	No						
Jale	At Exit	Yes	No	The Charles of Later					
Waiting	Men	Yes	No						
Area	Families	Yes	No						
Washroom	Male	Yes	No						
vvaSiii UUIII	Female	Yes	No						

	Integrated Development and Asset Management Plan (IDAMP)											
	Municipal Committee Khanewal											
Form					4		Bus Stand Asset Code: Condition Assessment Date: 04-05-202					
IDAMP-		lo.				Conai		sse	essment	νa	te: 04-05-2 <u>023</u>	
Prayer Room	Ma	ne male		Yes No								
Administrat	-				'es		No					
Parking		icks			Yes		No					
Stand		ars	llaw		'es		No					
Fuel Outlets		<u>u. u</u>			es	No						
Reception I					'es		No		4.			
Ticketing S					'es		No					
Tuck Shop	,				'es		No					
Workshop					'es		No		15			
Ablution Ar	ea				'es		No					
Pedestrian					es		No					
Green Spac	es				'es		No				694	
Water Drink												
Arrangeme	-			Y	es		No					
Water Dispo				٧	es		No				Ca	
Arrangeme									ALC: No control of the control of th			
Boarding SI	ned			Yes			No					
Workshops				Yes			No					
Lighting				Y	Yes		No			The Time	5 9	
Boundary W	/all			Υ	Yes		No					
	Туј	pe										
				1						9		
Flooring &												
Pavement	Со	nditi	on	Good Fa		Fair	Pod	r				
									2		600	
						0	verall	Ra	tina			
Average			4							4	F	
Score			1			2			3	4	5	
Asset Condition	,	E	xcelle	ent		Good			Fair	Poor	Failing	
Category			Α			В			С	D	Е	
			-		R		ks / R	eau	irements			
No rem	arks	5										
										, ,		
Data Collected By: Mr. Haroon				oon	Desi	ianatio	on: Tea	am	Member	Har	007.	
Data Confected by, Mr. Haroo			0011	200	ignativ	,,,,	<i></i>	member				
										Sign & Date: 30	Mdy 2023	
Data Chaste										MA	chi	
Data Checke Alvi	u B	y. Mi	. MUd	assar	Desi	ignatio	on: Tea	am	Lead	144	V	
										Cian 8 Datas 30	May 2022	
										Sign & Date: 30	May 2023	

	Integrated Development and Asset Management Plan (IDAMP)								
			Munici	•	tee Khanewal				
Form:		1 t C -	Bus Stand	Asset Code:					
	IDAMP-A12		Asset Condition Asset						
Name			Bus Stand		Pictures				
Ilocation ⊢	Latitude			92534	_				
	Longitu	ae	71.90	)7669	_				
Address									
Year of Con									
Last Major I		ion	_						
Area (Acres	5)			15					
Ownership			+	1C					
Class	Т		A B	C D					
Designed	Buses								
Capacity of Vehicles	Coaste	rs			THE REAL PROPERTY OF THE PARTY				
	Wagon	s							
Daily parking of	Trucks		25	-30					
vehicles (based on	Coaste	rs							
informatio n provided	Wagon	s			The state of the s				
by MC)	Ricksh	aws							
Distance fro	om the u	ırban	1.75km						
Canusity	At Entr	у	Yes	No					
Security	At Exit		Yes	No					
	At Entr	У	Yes	No					
Gate	At Exit		Yes	No	f to the second second				
Waiting	Men		Yes	No					
Area	Familie	·S	Yes	No					
	Male		Yes	No					
Washroom	Female	)	Yes	No	A Committee of the Comm				
Prayer	Male		Yes	No					
Room	Female		Yes	No					
Administrat			Yes	No					
Parking	Ricks	haw	Yes	No					
Stand	Cars		Yes	No	Address of the same of the sam				
Fuel Outlets			Yes	No					
Reception D			Yes	No					
Ticketing Sy	ystem		Yes	No					
Tuck Shop		Yes	No	0					
Workshop		Yes	No	The state of the s					
	Ablution Area		Yes	No					
	Pedestrian		Yes	No					
Green Spac			Yes	No					
Water Drink Arrangeme	nt		Yes	No					
Water Dispo			Yes	No					

	Integrated Development and Asset Management Plan (IDAMP)									
				Munic				ee Khanewa		
Form				Bus Stand Asset Code:						
IDAMP-					ondit		sse	essment	Da	te: 04-05-2023
Boarding Shed			`	Yes		No				
Workshops			`	Yes		No				
Lighting			`	Yes		No				
Boundary W	/all		`	Yes		No			a market	
	Тур	e								
Flooring & Pavement Condition		God	od F	āir	Pod					
					0	verall	Ra	ting		
Average Score		1		2			3	4	5	
Asset Condition	1	Excellen	t	Good			Fair	Poor	Failing	
Category	,	Α			В			С	D	E
	•			Re	mark	s/R	equ	irements		
It is no	more	a bus stan	d. No	ow, It i	s beii	ng us	ed a	s Truck sta	nd.	
Data Collected By: Mr. Haroon			on	Designation: Team Member			Member	Har Sign & Date: 30		
Data Checked By: Mr. Mudassar Alvi			Desig	natio	n: Te	am i	Lead	Sign & Date: 30	thi	

#### B. Slaughter House Area Book Sr (acres) Value Name Age (Years) Condition **Status** (PKR million) Slaughter House Not available Functional 0.475 1 fair

		Integrated Dev	/elo <u>pmer</u>	nt a <u>nd A</u>	sset <u>Man</u>	ageme <u>n</u>	t Plan (IDAMP)		
					mittee Kh				
Form: IDAMP-A		As	Slaughterhouse set Condition Assessment				Asset Code: Date: 03-05-2023		
Name			Slau	ighter H	ouse		Pictures	3	
1 4!	Latitude			30.291	9				
Location	Longitude			71.913	1				
Address									
Year of Co	nstruc	tion						and the	
Total Area	(Acres	5)		0.475					
Ownership									
Slaughter Capacity	Larg	er Animals		25-30			100		
(Per Day)	Sma	ller Animals		50-60			SLÁUGRTER	MOUSE TO THE PROPERTY OF THE P	
Supervisor	•		Yes		No				
Doctor's R	oom		Yes		No				
Inhabitatio	n Facil	ity	Yes		No				
Slaughteri	ng Hall		Yes		No				
Evisceration	on Hall		Yes		No				
Meat Cutti	ng Roc	m	Yes		No				
Blood Colle Arrangeme			Yes No						
Skin Stora		m	Yes		No				
Tools Disin	fectan	t System	Yes		No			1	
Health and	Hygie	ne SOPs	Yes		No			H. C. Stern	
Refrigerat System	ion / St	torage	Yes		No			411-11	
Separate F Animals	acility	for Sick	Yes		No				
Water Sup	ply Sys	stem	Yes		No	15	-Lies or		
Drainage 8	Dispo	sal Facility	Yes		No	-25	1.		
Solid Wast	e Colle	ction Facility	Yes		No	200	CONT.		
Boundary '	Wall &	Gate	Yes		No				
Approach Road Condition		Good Fair		Poor	-22				
Civil Struc	ture Co	ondition	Good	Fair	Poor				
				Overal	l Rating				
Average S	Score	1	2	2	3		4	5	
	Asset Excellent Condition		Good		Fa	ir	Poor	Failing	

Category	Α	В	С	D	E			
Remarks / Requirements								
Data Collected By: Mr. Haroon Designation: Team Member    Haroon   Sign & Date: 30 May 2023								
Data Checked By: Alvi	Mr. Mudassar	Designation: Tea	am Lead	Sign & Date: 30	May 2023			

B. P	B. Parks								
Sr #	Name	Condition	Area (Acres)	Book Value (PKR Mil)					
1	Yusuf Park	Fair	2.17	381					
2	Thana Ground	Fair	0.85	136					
3	City Park	Excellent	11.25	1620					
4	Faisal Park	Fair	13.25	1908					

		Integrate	d Develop	men	it an	d Asset M	Management Plan (IDAMP)
			Mui	nicip	al Co	mmittee	e Khanewal
Form IDAMP-A	Asset	Cond	Par ditior	k n Assessn	Asset Code: sment Date: 03-05-2023		
Name			Y	'usuf	Parl	K	Pictures
	Latitu	de		30.3	012		
Location	Longit	ude		71.9	221		7
Area In Acr	es			1.5	58		
Ownership- or possessi MC by any of departments (documents	on allo other t	cated to					
Turfing Cor	ndition		Good	Fa	air	Poor	
Approach F	Road		Good	Fair		Poor	7
Parking Lot	ts		Yes			No	
Canteen Av	ailabili	ty	Yes	Yes		No	
Average nu visitors (based on t of MC staff	he asse )	essment					Seka Holo Comero Litta Khanewal, Punjab, Pakistan
Any illegal encroachm if yes, type	ents ob						Latitude Longitude 71.9221° E  Joan 10.2748 PM Altitude 135.2 meters  GMT 08.27-48 AM Wednesday, 05/03/2023
Security sy	stem		Yes			No	
	W	atering 8	Irrigatio				
Tube Well					es	No	
Water Supp	•	Municipa	ı System		es	No	
Water Tank					es	No No	
Pumping Ur Distribution		inas		_	es es	No	$\dashv$
Valves	i i ipe L	11103			es es	No	$\dashv$
Sprinkler Sy	/stem				es	No	
Ground wat reservoirs/p	er stor	age			es	No	

	Integrated Develop	ment and	d Asset M	Management Plan (IDAMP)
	Mun	nicipal Co	mmittee	Khanewal
Form:		Par	k	Asse
IDAMP-A10	Asset 0	Condition	Assessn	nent D
Lar	ndscaping & Plantati	ion		<b>一个人,这么</b> 是一个人
Grass Beds	, ,	Yes	No	
Flower Beds		Yes	No	
Hedges		Yes	No	
Plants		Yes	No	
Number of trees a	ind species			
(based on readily				
information at MC				
	Lights			
Total Number			_	1.3
Poles		Yes	No	
Cables		Yes	No	
Brackets And Ligh	nts	Yes	No	
Bulbs And Tubes		Yes	No	A STATE OF THE PARTY OF THE PAR
Control Units		Yes	No	
	Structures			- And -
No. of Toilets	Gents		1	
	Ladies		1	
Condition of	Gents		or	
Toilets	Ladies	Po		
Buildings		Yes	No	
Fountains & Water	r Fall Structure	Yes	No	
Walkways		Yes	No	
Jogging tracks		Yes	No	
Ramps at entry ga	ites for wheel	Yes	No	
chairs	_	V	NIa	
Bridges & Culverts	5	Yes	No	A CO
Play Area		Yes Yes	No	
Gazebos	rrangomonto	Yes	No No	
Benches/ sitting a Boundary Wall & C	•	Yes	No	
Toilets	Jale	Yes	No	Now The State of t
Lakes & Brooks		Yes	No	
	lechanical Equipmen		INU	TO THE STATE OF TH
Pumping Units	echanical Equipmen	Yes	No	
Swings		Yes	No	
Children Games		Yes	No	
Fixtures		Yes	No	
Benches		Yes	No	inere.
	nitation & Water Sup		110	
Litter Bins	mation & Water Sup	Yes	No	
Condition of SWM		air	4 医侧部上上	
Toilet Fixtures	Yes	No		
Sewerage System		Yes	No	
Vegetation Cuttin		Yes	No	
Drinking water ava				1
quality				
	lity of water quality			
test reports)	, ,			
Water Pipes		Yes	No	
•				-



Asset Code:



	Integrated Development and Asset Management Plan (IDAMP)							
Municipal Committee Khanewal								
Form:		Park		Asset	Code:			
IDAMP-A10	As	set Condition As	ssessment		ate: 03-05-2023			
	HR							
Security Guards		Yes	No					
Landscape Exper		Yes	No					
Mali / Beldaar (N	umber)	Yes	No					
			l Rating		1			
Average Score	1	2	3	4	5			
Asset Condition	Excellent	Good	Fair	Poor	Failing			
Category	Α	В	С	D	Е			
			Requirements					
• This	park in under ex	ktension.						
Data Collected By	/: Mr. Haroon	Designation: Tea	am Member	Haroot. Sign & Date: 30 May 2023				
Data Checked By Alvi	: Mr. Mudassar	Designation: Tea	am Lead	Sign & Date: 30	لط			

Date: 03-05-2023

	I	ntegrate	d Develop	men	it an	d Asset N	/lanagem	ent Plan	(IDAMP	)	
							Khanew				
Form			Asset (	Park Asset Co set Condition Assessment Date						t Code: Date: 03	
Name			(	City	Park				Picture	S	
	Latitu	de		30.2	999						
Location	Longit	ude	-	71.9	149						
Area In Ac					.25		1877				
Ownership or possess MC by any departmer (document	ion allo other it	cated to						CITY	PARK	KHANEN	ummini L
Turfing Co	ndition		Good	Fa	air	Poor					
Approach	Road		Good	Fá	air	Poor					
Parking Lo	ts		Yes			No		A COLOR			
Canteen A	vailabili	ity	Yes			No				A STATE OF THE PARTY OF THE PAR	MILL NO.
Average no visitors (based on of MC staf	umber o	of daily						MI MM (Gat			
Any illegal encroachm if yes, type	nents of							*.			
Security s			Yes			No		3			
	W	atering 8	k Irrigatio								
Tube Well Water Sup	aly from	Municin	al Systom		es es	No No					and the control of
Water Sup		i Mullicipi	ai Systein		es	No	Marie Marie				71 months 1876
Pumping U					es	No					
Distributio		.ines		Y	es	No	100				
Valves				Y	es	No			7		1.000
Sprinkler S				Y	es	No					THE PARTY OF THE P
Ground wa		age		Y	es	No			1		
reservoirs/	•	decaning	& Plantat	ion							
Grass Beds		uscaping	& Flaillat		es	No					
Flower Bed					es	No	A COLOR		11		
Hedges					es	No	The same of the sa			4	
Plants				Υ	es	No	For a	55 1	- +	390	
Number of (based on i information	eadily a	available	S								
		Lig	hts				1				
Total Numl	ber						1				
Poles					es	No	4				
Cables	nd   !!	±			es	No	-				
Brackets A		ts			es	No	-				
Bulbs And Control Un					es es	No No	1				
CONTROL OIL	113	Struc	tures	1	CJ	INO	†				
L		Jul					1				



No. of Toilets	Gents		3				Service Comments	
0 ""	Ladies		3				Was a series	
Condition of	Gents		Po				Y	2851
Toilets	Ladies		Po					
Buildings			Yes	N				The state of the s
Fountains & Wat	er Fall Structure		Yes Yes	N		Valuation	The state of the s	The state of the s
Walkways				N				
Jogging tracks			Yes	N	0			
Ramps at entry of	gates for wheel		Yes	N	0		مروات	
chairs						(t. 5) (t	of mark	
Bridges & Culver	ts		Yes	N				
Play Area			Yes	N				
Gazebos			Yes	Ν			ken de de	
Benches/ sitting	arrangements		Yes	N	0	and the same of th		
Boundary Wall &	Gate		Yes	N	0		2 33	9
Toilets			Yes	Ν	0			
Lakes & Brooks			Yes	Ν	0	1	1	in A second
ı	Mechanical Equi	pmer	nt					
Pumping Units			Yes	N				
Swings			Yes	Ν	0			
Children Games			Yes	N	0			
Fixtures			Yes	N	0			
Benches			Yes	Ν	0			
Sa	nitation & Wate	r Sup						
Litter Bins		<u>, , , , , , , , , , , , , , , , , , , </u>	Yes	N	0			A STATE OF THE STA
Condition of SWI	M		Fa	air				
Toilet Fixtures			Yes	N	0			
Sewerage System	n		Yes		0		Company of the second	
Vegetation Cutti			Yes		0	A / No. 10 EN	A special control of	San State Control
Drinking water a			. 00			Part I	Contract of the same	A STATE OF THE PARTY OF THE PAR
quality	ranasinty and							· · ·
(based on availa	bility of water							
quality test repo								
Water Pipes			V					
			Yes	N	0			7
	HR						The same of the sa	
Security Guards			Yes	N	0			THE REAL PROPERTY.
Landscape Expe	rts		Yes	N	0	25	A STATE OF	The same of the sa
Mali / Beldaar (N			Yes	Ν	0	and the second	The same of the sa	
				rall F	Ratin	a		
Average	1		2			3	4	5
Score	-		_			3	'	
Asset	Excellent		Good			Fair	Door	Failing
	Excellent		Good			ган	Poor	Failing
Condition	<u> </u>							_
Category	Α	В				С	D	Е
		F	Remarks	/ Re	quire	ements		
<ul> <li>No remarks</li> </ul>							T	
Data Collected By: Mr. Haroon		Desi	Designation: Team Me			mber	Hara	of.
							Sign & Date: 30	May 2023
Data Checked By: Mr. Mudassar Alvi		Desi	Designation: Team Lead			ad	MA	ibi

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

**Annexure** 

Sign & Date: 30 May 2023

	Integrated Development and Asset Management Plan (IDAMP)								
			Mun	icipa	al Co	mmittee	e Khanewal		
Form:				Park			Asset Code:		
IDAMP-A10	)		Asset C	Cond	itior	n Assessr	ment Date: 03-05-2023		
Name			F	azal	Park	(	Pictures		
La	titud	e		30.2	901				
Location	ngitu	ıde	-	71.9	178				
Area In Acres				20.1			-		
Ownership-Ow	ned	hv MC		20.3			1		
or possession MC by any oth department (documents av	alloc ier	ated to							
Turfing Condit	ion		Good	Fa	ir	Poor	The state of the s		
Approach Roa	d		Good	Fa	ir	Poor			
Parking Lots			Yes			No			
Canteen Avail	abilit	V	Yes			No			
Average numb							النف ال		
visitors							الله الله الله الله الله الله الله الله		
(based on the of MC staff)	asse	ssment					FAZAL PARK		
Any illegal occ	cupar	nts or							
encroachment									
if yes, type									
Security syste			Yes			No			
T 1 14/11	Wa	tering 8	k Irrigation						
Tube Well	from	Municin	al System		es es	No No			
Water Supply f	110111	Municipa	ai Systeiii		es es	No			
Pumping Unit					es	No			
Distribution Pi	pe Liı	nes			es	No			
Valves					es	No	//		
Sprinkler Syste				Y	es	No			
Ground water s		ge		Y	es	No			
reservoirs/pon			0 Diantat						
Grass Beds	Land	scaping	& Plantat		es	No			
Flower Beds					es es	No			
Hedges					es	No			
Plants					es	No	and the state of t		
Number of tree			S				P		
(based on read	,	vailable							
information at	MC)	1 !	htc			]			
Total Number		Lig	hts 				1		
Poles				Y	es	No	1		
Cables					es	No	1		
Brackets And L	_ights	S			es	No			
Bulbs And Tub	es				es	No			
Control Units				Y	es	No			
		Struc	tures						

No. of Toilets	Gents	(			7	
	Ladies	(	)	¥.	100	
Condition of	Gents				7	
Toilets	Ladies				4%	THE STATE OF
Buildings		Yes Yes	No No	is .		War In The State of the State o
	Fountains & Water Fall Structure				4	The state of the s
Walkways		Yes	No			The state of the s
Jogging tracks		Yes	No			
Ramps at entry g	ates for wheel	Vas	Ma	West of		7
chairs		Yes	No			
Bridges & Culvert	:S	Yes	No	7 美	and the second	57.00
Play Area		Yes	No			The later of the l
Gazebos		Yes	No		WAR VILL	- 4 W
Benches/ sitting	arrangements	Yes	No	136		
Boundary Wall &		Yes	No			
Toilets	Outc	Yes	No			
Lakes & Brooks		Yes	No			
	lochanical Faci		INU	10000000000000000000000000000000000000		
	lechanical Equi		NI	4		
Pumping Units		Yes	No			
Swings		Yes	No			
Children Games		Yes	No			-500
Fixtures		Yes	No			4
Benches		Yes	No			7 mg 200 100 100 100 100 100 100 100 100 100
Sar	nitation & Wate	r Supply			A. colois de.	
Litter Bins		Yes	No	k		
Condition of SWN	1	Fa	air			100
Toilet Fixtures		Yes	No			
Sewerage System	า	Yes	No	The second second		-
Vegetation Cuttir		Yes	No		THE STATE OF THE S	
Drinking water av		163	NO	2		
quality	ranability and					
(based on availab	vility of water				1	
					160	
quality test repor	15)	V	NI-			
Water Pipes		Yes	No	Jan.		
	HR					
Security Guards		Yes	No			
Landscape Exper		Yes	No			
Mali / Beldaar (Ni	umber)	Yes	No			
			rall Rati			
Average	1	2		3	4	5
Score						
		Good		Fair	Poor	Failing
	Excellent		Good Fair		1 001	i uning
Asset	Excellent	Good				
Asset Condition					5	-
Asset	Excellent A	В	/ 5	С	D	E
Asset Condition Category			/ Requi		D	E
Asset Condition		В	/ Requi		D	E
Asset Condition Category		В	/ Requii			
Asset Condition Category  • No remarks	A	B Remarks		rements		
Asset Condition Category	A	В		rements	Hara	of.
Asset Condition Category  • No remarks	A	B Remarks		rements		of.
Asset Condition Category  • No remarks	A	B Remarks		rements	Hara	of.
Asset Condition Category  No remarks  Data Collected By	A v: Mr. Haroon	B Remarks  Designation:	Team M	ements	Hara	of.
Asset Condition Category  No remarks  Data Collected By  Data Checked By	A v: Mr. Haroon	B Remarks	Team M	ements	Hara	of.
Asset Condition Category  No remarks  Data Collected By	A v: Mr. Haroon	B Remarks  Designation:	Team M	ements	Hara	May 2023

#### 6. OPEN PLOTS

Sr#	Location	Condition	Total
1	Near Old Bus Stand Khanewal	Fair	75

#### 7. OFFICE VEHICLES

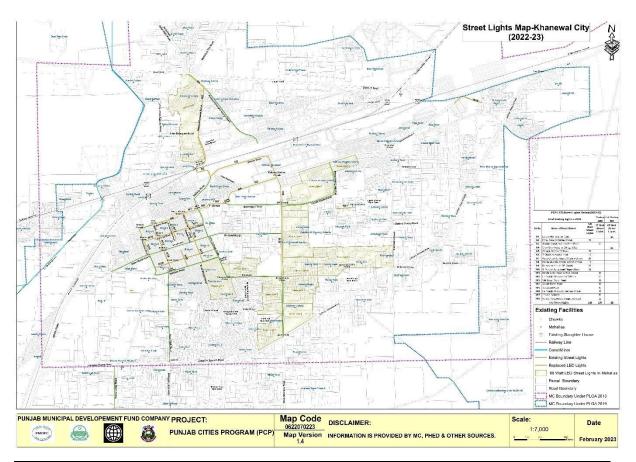
Sr #	Name	Age (Years)	Condition	Status	Book Value (PKR Mil)	Capacity
1	ZXMCO-Bike	27	Poor	Non - Functional	0	70 CC
2	Suzuki-Pickup	11	Fair	Functional	0.1	760 CC
3	Suzuki-Cultus	20	Poor	Non - Functional	0.2	993 CC
4	Nissan-Sunny	31	Poor	Non - Functional	0.2	1500 CC
5	Suzuki-Potohar	25	Poor	Functional	0.15	1000 CC

#### Integrated Development and Asset Management Plan (IDAMP) Municipal Committee Khanewal Form: Moveable Asset Asset Code: Date: 05-05-2023 IDAMP-A16 **Asset Condition Assessment** Type of Vehicle / Machinery Pictures **Pickups** Suzuki-Pickup 1 Suzuki-Pickup 2 Capacity 796cc 796cc Purpose SWM SWM Year of 2014 2014 Manufacturing Pick Up Pick Up Model **Capital Cost** 249 244 **Fuel Consumption** Condition Good Good **Engine Capacity** 796cc 796cc **Maintenance Cost** Not Available Not Available Oiling /Fitness Yes Yes Fitness Certificate No No KWJ-15-12 KWJ-15-10 Registered **Overall Rating** Good Good Remarks / Requirements No remarks Harooz Data Collected By: Mr. Haroon Designation: Team Member Sign & Date: 30 May 2023 Data Checked By: Mr. Designation: Team Lead Mudassar Alvi Sign & Date: 30 May 2023

Integrated Development and Asset Management Plan (IDAMP)								
		Municipal Comm	nittee Khanewa	I				
Form: IDAMP-A16	A	Moveable A sset Condition A	Asset Code: Date: 05-05-2023					
Type of Ve	ehicle / Mac	hinery		Pictures				
	Bike							
			ZXMCO-Bik	Ke .				
Capacity			70cc					
Purpose			Staff					
Year of			1006					
Manufacturing			1996					
Model			ZX70					
Capital Cost								
Fuel Consumption			Non-Functio	nal				
Condition			Poor	i i a i				
Engine Capacity			70cc					
Maintenance Cost			Not Availab	No.				
				71C				
Oiling /Fitness	-		No					
Fitness Certificate	-		No KWB 590					
Registered			KWB 580					
Overall Rating		Domarka / D	Poor					
No remarks		nenigins / K	equirements					
Data Collected By: N	Иг. Haroon	Designation: Te	eam Member	Harooz. Sign & Date: 30 May 2023				
Data Checked By: M Mudassar Alvi	r.	Designation: Te	am Lead	Sign & Date: 30 May 2023				

Integrated Development and Asset Management Plan (IDAMP)							
		Municip	oal Committee Khar	newal			
Form: IDAMP-A16	A:	Moveable Asset Code: Asset Condition Assessment Date: 05-05-2023					
Type of Vehicle Machinery	/		F	Pictur	es		
Pickup and Cars	5						
	Suzuki-F	ickup	Suzuki-Cultus	Ni	ssan-Sunny	Suzuki-Potohar	
Capacity	760	CC	993cc		1500cc	1000cc	
Purpose	Staf	f	Staff		Staff	Staff	
Year of Manufacturing	201	2	2003		1992	1998	
Model	Pick l	Jp	Cultus		Sunny	Potohar	
Capital Cost		,			,		
Fuel Consumption	249	9	Non-Functional		n-Functional	176	
Condition	Fair		Poor		Poor	Poor	
Engine Capacity	760		993cc	1500cc		1000cc	
Maintenance Cost	Not Ava		Not Available	No	t Available	Not Available	
Oiling /Fitness	Yes		Yes	110	No	Yes	
Fitness Certificate	No		No		No	No	
Registered	No Regist		KWC 52		KWA 52	KWB 7172	
Overall Rating	Fair		Poor		Poor	Poor	
O Teruir Nating	i dii		narks / Requiremen	ts	1 001	1 001	
No remarks			, , ,				
Data Collected By: Mr. Haroon Designation: Team Member				r	Harooz. Sign & Date: 30 May 2023		
Data Checked By: Mr. Mudassar Alvi		Designation: Team Lead			Sign & Date: 30 May 2023		

#### 8. STREET LIGHTS



	Streetlights	MC Operated	Privately Operated
Operational Street Lights	608	608	
Non Operational Street Lights	1,170	1,170	
Total	1,778	1,778	0

#### **Details of Street Lights Poles**

Operated by	Precast Concrete	Steel Structure	Tubular Steel	Tree	Wires	Wall	Ground	Grand Total
MC	337	483	255	4	510	25	4	1,618
Private								0

## Integrated Development and Asset Management Plan (IDAMP) Municipal Committee Khanewal Form: Street Lights Asset Code: \_\_\_\_\_ IDAMP-A9 Asset Condition Assessment Date: 04-05-2023 Pictures





		Type of	Luminaries				Poles Type
Road	Sodium	Led (12-200w)	Tube Light (40 W)	Energy Saver / Light Bulb	Total	Operational Status	(WAPDA Pole / MC Pole)
T-Chowk		18			18		
LED No. 1 Near Judge Colony		23			23		
LED No. 2 Near Babu Welfare		20			20		
LED No. 3 Near Jama Abad		18			18		
Mujahid Abad		51			51		
Gulberg Town		53			53		
People Colony		87			87		
Basti Zahoorabad Grid Road.		13			13		
Khurram Pura		37			37		
Bilali Masjid		26			26		
Colony No. 2		84			84		
Basti Zahoorabad		4			4		
Kamran Colony		57			57		
Old Khanewal		76			76		
Old Camp		4			4		

Civil Line 76 Habit Court 26 Islam Park 50 Colony No. 1 38 Basti Chan 13 Shah 41 Basti Tariq 43 Abad Gau Shala Bukhtari Garden Fazal park 26 Kot Alla 63	76 26 50 38 13 41 43 76 26 63 20 71
Islam Park 50 Colony No. 1 38 Basti Chan Shah 13 Gareeb Abad 41 Basti Tariq 43 Abad Gau Shala Bukhtari Garden Fazal park 26	50 38 13 41 43 76 26 63 20
Colony No. 1 38  Basti Chan Shah  Gareeb Abad 41  Basti Tariq Abad Gau Shala  Bukhtari Garden  Fazal park 26	38 13 41 43 76 26 63
Colony No. 1 38  Basti Chan Shah  Gareeb Abad 41  Basti Tariq Abad Gau Shala  Bukhtari Garden  Fazal park 26	38 13 41 43 76 26 63
Basti Chan Shah  Gareeb Abad  Basti Tariq Abad Gau Shala  Bukhtari Garden  Fazal park  13  43  43  76  26	13 41 43 76 26 63 20
Shah Gareeb Abad 41  Basti Tariq 43  Abad Gau Shala  Bukhtari Garden  Fazal park 26	41 43 76 26 63
Gareeb Abad 41  Basti Tariq 43  Abad Gau Shala  Bukhtari Garden  Fazal park 26	43 76 26 63 20
Basti Tariq Abad Gau Shala Bukhtari Garden Fazal park  43  76  26	43 76 26 63 20
Abad Gau Shala Bukhtari Garden Fazal park 26	76 26 63 20
Shala  Bukhtari Garden  Fazal park  26	26 63 20
Bukhtari 76 Garden Fazal park 26	26 63 20
Garden 26	26 63 20
Fazal park 26	63
·	63
Not Alla	20
Singh 1	
Marzi Pura 20	
Godam Road 71	'
Tarigabad	
Kot Alla 7	7
Singh 2	
Court Meebal 28	28
Block No. 14 41	41
Laal Masjid 64	64
Chowk	
Jannat Road 70	70
Azeem Town 28	28
Markazi 67	67
Jamia Masjid	
Mushtaq 10	10
Colony	
Court Dost 19	19
Muhammad	
Yousaf Park 11	11
Chowk Singla 49	49
Wala	
S.P Chowk 92	92
Jaswant 45	45
Nagar	
Wood Market 65	65
City Park 68	68
Remarks	/ Requirements
Out of the 1,778 lights in the MC, 608 light	
Data Collected By: Mr. Haroon Designation: 1	Team Member Haroof.

Sign & Date: 30 May 2023

#### **Annexure**

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

Data Checked By: Mr. Mudassar Alvi	Designation: Team Lead	MArbi
		Sign & Date: 30 May 2023

#### 9. ROADS

# Integrated Development and Asset Management Plan (IDAMP) Municipal Committee Khanewal Form: IDAMP-A8 Asset Condition Assessment Date: 04-05-2023





Sr. No.	Road Name	From	to	TST, Asphalt Or Concrete Pavers	Row (Ft)	Paved Width (Ft)	Approx. Length (Km)	Condition
1	Purana Karkhana road.			TST	40		1.0	Fair
2	Usman Moazzam Road			TST	26		1.2	Poor
3		Girls College Chowk	District Council Metal Road.	TST	50		0.8	Poor
4	Canal road .	Alfazallat petrol pump Kablrwala road	Link Multan road	TST	22		2.0	Fair
5	New Sabzi Mandi Metal Road			TST	20		1.1	Poor
6	Bilal Masjid Towards bypass Metal Road.			TST	22		1.1	poor
7		Tb Hospital	SP Chowk to Circuit house	TST	40		1.2	Poor
8		Hamayo petrol pump	Gaffur Khan	TST	12		0.5	Fair
9		Shabeer Stadium	City Park gate.	TST	24		1.1	Poor

		Integrated De					(IDAMP	)		
			Municipal C	ommi	ittee Khanev	wal			Asset Code:	
	orm:			Road				,	Asset Code.	
IDA	MP-A8		Asset Cond	Date: 04-05-2023						
10	Railway Road	Ayub Chowk	PRC Goord	own	TST	24		0.5	Poor	
11		Station Chowk	Underpa	SS	TST	16		1.4	Fair	
12		Tariq abad Disposal		naksh kamar Printing Press Chowk		20		1.1	Fair	
13		Jaswant Nagar Chowk	Chowk to	Khokarabad Chowk to 88 chak tea factory.		26		3.1	Poor	
14		Dena Wala Basti	i Bastilonr		TST	16		2.9	Fair	
15		mettalled markazi graveyard	civil line	ē.	TST	12		0.5	Fair	
16		mettalled seengo wali kothi	168 chak		TST	14-16		2.3	Poor	
17		astabel minor	towards 168 chak		TST	12-14		1.4	Poor	
18		Jaswantnagar chowk	SP Chowk station Cho		TST	60		1.3	Poor	
19		Football chowk	Stadium Ch	owk	TST	60		0.7	Poor	
		•	Remarks	s / Re	quirements					
• No	o remarks									
	Data Collected By: Mr. Designation: Haroon Team Membe			Harooz.						
				Sign 8	& Date: 30 M	ay 2023				
	Data Checked By: Mr. Designat Mudassar Alvi Team Le				MAR	2				
				Sign 8	& Date: 30 M	ay 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	03-14-01-01-XX
						Water Supply		
				Water Supply		Network (ft)	02	03-14-01-02-XX
				System	01	OHR	03	03-14-01-03-XX
				System		Filtration Plants	04	03-14-01-04-XX
						Vehicles	05	03-14-01-05-XX
						GST	06	03-14-01-06-XX
						Sewerage Network		
		Khanewal		Sewerage System	02	(ft)	01	03-14-02-01-XX
				Sewerage System	0Z	Disposal Stations	02	03-14-02-02-XX
						Vehicles	03	03-14-02-03-XX
Southern				Solid Waste		Dumping site	01	03-14-03-01-XX
Punjab	03		14	Management System	03	Vehicles	02	03-14-03-02-XX
						Parking Shed	03	03-14-03-03-XX
				Doodoond	04	Roads	01	03-14-04-01-XX
				Roads and Streets		Street	02	03-14-04-02-XX
				Streets		Street light	03	03-14-04-03-XX
						Parks	01	03-14-05-01-XX
						Playgrounds	02	03-14-05-02-XX
						Open Spaces / Plots	03	03-14-05-03-XX
				Public Places	05	Bus Stand	04	03-14-05-04-XX
						Library	05	03-14-05-05-XX
						Slaughter Houses	06	03-14-05-06-XX
						Graveyards	07	03-14-05-07-XX

egion lame	Region Code	МС	MC Code	Property Types	Property Type Code	Sub Property Types	Sub Property Type Code	Unique Codes
						Masjid/ Imam bargah	08	03-14-05-08-XX
						Shops	09	03-14-05-09-XX
						Office buildings	01	03-14-06-01-XX
				Others	06	Office vehicles	02	03-14-06-02-XX
						Residential building	03	03-14-06-03-XX

## **Annexure C. Project Screening and Phasing**

**Project ID:** 03-14-01-04-01

**Project Description :** Rehabilitation of Filtration Plant

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Proj	ect Purpose & Service Delivery Improvemen	nt					
			10	2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?			7.5	Major contribution	Significant contribution	10
				10	Significant contribution		
	Whether the project will contribute to Sectoral Plan / City Master Plan?			0	No contribution.		
				2.5	Indirect contribution.	Major contribution to key	
1.2		30	10	7.5	Minor direct contribution	development goal.	10
				10	Major contribution to key development goal.		
				0	No consequences		
1.3	Whether the deference/ delay of the project is going to affect citizens' health,		10	2.5	Minor consequences	Major immediate	10
1.5	safety, property, prosperity etc.?		10	7.5	Major future consequences	consequences	
				10	Major immediate consequences		
2. Pub	lic Response						
				1	Less than 10%		
2.1	Population served by the project.	15	7.5	5	Between 10% to 20%	Between 10% to 20%	5
		13		7.5	Greater than 20%		
2.2			5	0	Majority opposition	Majority support	5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or opposition for the			1	Minority opposition		
	project from NGO's, community groups, network, media or business			5	Majority support		
	organizations?			2.5	Minority support		
				0	Majority opposition		
2.2	Is there support or opposition from residents in the immediate vicinity of the new facility?		2.5	0.5	Minority opposition	N.A. i a with a company	2.5
2.3			2.5	2.5	Majority support	Majority support	2.5
				1.5	Minority support		
3. Envi	ronmental Impact						
	The impact of the proposed project on		10	0	Negative effects on quality of the local envir onment		
3.1	the quality of local environment (e.g. Air quality, Water pollution, Waste	10		5	Neutral	Positive effects on the qualit v of the local environment	10
	reduction, etc.			10	Positive effects on the quality of the local en vironment	y or the local environment	
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		
		15		7.5	Revenue exceeds O&M costs		
	Are there indirect economic benefits			0	Negative impact on the local economy		
4.2	from this project in the long term, e.g.		7.5	2.5	Little or no long term economic development benefits	Little or no long term economic development	2.5
	employment creation, investment generation, increase in land/property			5	Additional investment in the area and increased wealth for citizens	benefits	

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
	prices, reduction in citizens' expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy				
5. Ease	of Implementation								
5.1	Has land been acquired for the project (If required)?		10	10 0	Yes No	Yes	10		
	Has funding been secured/allocated	_		5	Yes				
5.2	within the Local Government budget or whether the external sources of funding have been secured?	5	0	No	Yes	5			
				1	Difficult				
5.3	Will the project get approval from higher levels of Government?		5	2.5	Standard	Easy	5		
	levels of dovernment:			5	Easy				
		30		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 construction, O&M				
5.5	Is there a capable system in place to implement and operate this project or is		5	5	_	1	Outside expertise needed for construction p hase only	Outside expertise needed fo	1
	external support needed?			3	Outside expertise needed for preparation p hase i.e. feasibility studies	r construction phase only	_		
I				5	No outside expertise needed				
Total A	Achieved Score		•	•		•	81		

**Project ID:** 03-14-01-04-02

**Project Description:** Improvement of Water Supply scheme

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Proj	ect Purpose & Service Delivery Ir	nprovemer	nt				
	Does the project fill a gap in a		10	2.5	Minor contribution		
1.1	wider system of service			7.5	Major contribution	Significant contribution	10
	delivery?			10	Significant contribution		
				0	No contribution.		
	Whether the project will contribute to Sectoral Plan / City Master Plan?			2.5	Indirect contribution.	Major contribution to	
1.2		30	10	7.5	Minor direct contribution	key development goal.	10
				10	Major contribution to key development goal.		
	Whathauthauthauthaus a / dalau af		10	0	No consequences		
1.3	Whether the deference/ delay of the project is going to affect			2.5	Minor consequences	Major immediate consequences	40
1.3	citizens' health, safety, property,			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%	Between 10% to 20%	5
		15		7.5	Greater than 20%		
	Is there support or opposition for	15		0	Majority opposition		
2.2	the project from NGO's, community		5	1	Minority opposition	Majority support	5
	groups,			5	Majority support		

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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
- A	Has land been acquired for the project (If required)?	30	10	10	Yes	Yes	10
5.1				0	No		
	Has funding been		5	5	Yes	Yes	
5.2	secured/allocated within the Local Government budget or whether the external sources of funding have been secured?			0	No		5
	Will the project get approval from higher levels of Government?		5	1	Difficult	Easy	
5.3				2.5	Standard		5
				5	Easy		
	Ease of implementation of project in respect of technical design?		5	1	Difficult	Easy	5
5.4				3	Standard		
				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	Outside expertise nee ded for construction p hase only	
5.5				1	Outside expertise needed for construction phase only		1
0.0				3	Outside expertise needed for prepar ation phase i.e. feasibility studies		
				5	No outside expertise needed		
Total A	Achieved Score					I	81

Project ID: 03-14-01-06-01

Construction of Underground Water Storage **Project Description:** 

Tank

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Proj	ect Purpose & Service Deli	very Improve	ment				
	Does the project fill a gap in a wider system of	10		2.5	Minor contribution		
1.1			10	7.5	Major contribution	Significant contribution	10
	service delivery?			10	Significant contribution		
				0	No contribution.		
	Whether the project will			2.5	Indirect contribution.	Major contribution to key	
1.2	contribute to Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	development goal.	10
	7 Oity Master Flam:			10	Major contribution to key development goal.		
	Whether the deference/		10	0	No consequences	Major immediate consequences	
1.3	delay of the project is			2.5	Minor consequences		10
1.3	going to affect citizens' health, safety, property,			7.5	Major future consequences		10
	prosperity etc.?			10	Major immediate consequences		
2. Pub	lic Response						
	5 1 2 11 2			1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Between 10% to 20%	5
	project.	15		7.5	Greater than 20%		
	Is there support or	port or brithe	5	0	Majority opposition		
2.2	opposition for the project from NGO's,			1	Minority opposition	Majority support	5
	community groups,			5	Majority support		

	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	network, media or business organizations?			2.5	Minority support		
	Is there support or			0	Majority opposition		
0.0	opposition from		0.5	0.5	Minority opposition	<b>1</b>	0.5
2.3	residents in the immediate vicinity of the		2.5	2.5	Majority support	Majority support	2.5
	new facility?			1.5	Minority support		
3. Env	rironmental Impact				1		
	The impact of the proposed project on the			0	Negative effects on quality of the local e nvironment		
3.1	quality of local	10	10	5	Neutral	Positive effects on the qual ity of the local environment	10
0.1	environment (e.g. Air quality, Water pollution, Waste reduction, etc.			10	Positive effects on the quality of the loc al environment	ity of the local environment	
4. Soc	io-Economic Impact						1
				0	No direct revenue		
4.1	Will the project bring in		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	No direct revenue	0
	direct revenue?			5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
	Are there indirect	15		0	Negative impact on the local economy		
	economic benefits from this project in the long	15		2.5	Little or no long term economic development benefits	Little or no long torm	
4.2	term, e.g. employment creation, investment generation, increase in		7.5	5	Additional investment in the area and increased wealth for citizens	Little or no long term economic development benefits	2.5
	land/property prices, reduction in citizens' expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Has land been acquired			10	Yes		
5.1	for the project (If required)?		10	0	No	Yes	10
	Has funding been			5	Yes		
5.2	secured/allocated within the Local Government budget or whether the external sources of funding have been secured?		5	0	No	Yes	5
	Will the project get			1	Difficult		
5.3	approval from higher		5	2.5	Standard	Easy	5
	levels of Government?	30		5	Easy		
	Ease of implementation of			1	Difficult		
5.4	project in respect of		5	3	Standard	Easy	5
	technical design?			5	Easy		
				0	Outside expertise needed for constructi on, O&M		
5.5	Is there a capable system in place to implement and		5	1	Outside expertise needed for constructi on phase only	Outside expertise needed f	1
0.0	operate this project or is external support needed?		3	3	Outside expertise needed for preparatio n phase i.e. feasibility studies	or construction phase only	
				5	No outside expertise needed		
Total A	Achieved Score					'	81

**Project ID:** 03-14-02-01-01

**Project Description:** Improvement of Existing Sewerage System and WWTP

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Proj	ect Purpose & Service Delivery Improveme	nt					
	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	7.5	Major contribution	Significant contribution	10
	system of service delivery:			10	Significant contribution		
				0	No contribution.		
	Whether the project will contribute to			2.5	Indirect contribution.	Major contribution to key	
1.2	Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	development goal.	10
		30		10	Major contribution to key development goal.	development goui.	
				0	No consequences	Major immediate	
1.2	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity etc.?		10	2.5	Minor consequences		10
1.3				7.5	Major future consequences	consequences	10
	Surety, property, 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%		
	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	5
2.2	network, media or business		3	5	Majority support	Majority support	
	organizations?			2.5	Minority support		
2.3			2.5	0	Majority opposition	Majority support	2.5
2.5			2.5	0.5	Minority opposition	iviajority support	2.3

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	ironmental Impact						
	The impact of the proposed project on			0	Negative effects on quality of the local envir onment	Desiring officers and the small to	
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 local en vironment	of the local environment	
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		
	A	15		0	Negative impact on the local economy	Little or no long term	
	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	5	Additional investment in the area and increased wealth for citizens	economic development benefits	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	Has land been acquired for the project (If		10	10	Yes	Yes	10
J.1	required)?		10	0	No	163	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?		5	0	No	Yes	5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score			
	NAGIII the agree of one governed from high or			1	Difficult					
5.3	Will the project get approval from higher levels of Government?		5	2.5	Standard	Standard	2.5			
	levels 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	itandard	3			
	respect of technical design:			5	Easy					
			5	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			5	5	1	Outside expertise needed for construction p hase only	Outside expertise needed for	1	
	external support needed?			3	Outside expertise needed for preparation p hase i.e. feasibility studies	construction phase only				
			5	No outside expertise needed						
Total A	Total Achieved Score									

**Project ID:** 03-14-05-01-01

**Project Description :** Rehabilitation / Improvement of Yousaf Park

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Proj	ect Purpose & Service Delivery Improvem	ent					
	Doortho mariot fill a comin a miden			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Significant contribution	10
	system of service delivery:			10	Significant contribution		
				0	No contribution.		
	Whathar the project will contribute to			2.5	Indirect contribution.	Major contribution to	
1.2	Whether the project will contribute to Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	key development goal.	10
	Sectoral Hally City Waster Hall:	30		10	Major contribution to key development goal.	— key development goal.	
	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity		10	0	No consequences	Major future consequences	
1.3				2.5	Minor consequences		7.5
1.5				7.5	Major future consequences		7.5
	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%	Between 10% to 20%	5
				7.5	Greater than 20%		
	Is there support or opposition for the			0	Majority opposition		
	project from NGO's, community	15		1	Minority opposition		
2.2	0 1 /		5	5	Majority support	Majority support	5
	network, media or business organizations?			2.5	Minority support		
2.3			2.5	0	Majority opposition	Majority support	2.5

**Annexure** 

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or opposition from			0.5	Minority opposition		
	residents in the immediate vicinity of			2.5	Majority support		
	the new facility?			1.5	Minority support		
3. Envi	ronmental Impact						
	The impact of the proposed project on			0	Negative effects on quality of the local envir onment	Positive effects on the q	
3.1	the quality of local environment (e.g.	10	10	5	Neutral	uality of the local enviro	10
	Air quality, 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	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		0
	revenue?			5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
	Are there indirect economic benefits	15		0	Negative impact on the local economy		
	from this project in the long term, e.g.	13		2.5	Little or no long term economic development benefits	Little or no long term	
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	economic development benefits	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		10	10	Yes	Yes	10
5.1	(If required)?	30	10	0	No	162	10
5.2	Has funding been secured/allocated	30	5	5	Yes	Yes	5
5.2	within the Local Government budget or		,	0	No	103	

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	whether the external sources of funding have been secured?						
	Will the project get approval from			1	Difficult		
5.3	Will the project get approval from higher levels of Government?		5	2.5	Standard	Standard	2.5
	Thigher levels of dovernment:			5	Easy		
	Ease of implementation of project in			1	Difficult		
5.4	respect of technical design?		5	3	Standard	Standard	3
	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 project or		5	1	Outside expertise needed for construction p hase only	d for construction phase	1
	is external support needed?			3	Outside expertise needed for preparation p hase i.e. feasibility studies		
				5	No outside expertise needed		
Total A	Achieved Score						74

**Project ID:** 03-14-04-03-01

**Project Description :** Provision and installation of Street Lights in MC

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Proj	ect Purpose & Service Delivery Improven	nent					
	December of the control of the contr			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.		
1.2	Sectoral Plan / City Master Plan?	30	10	7.5	Minor direct contribution	Minor direct contribution	7.5
	Sectoral Figure 2 (Video Figure 2)	30		10	Major contribution to key development goal.		
	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity		10	0	No consequences	<ul><li>Major future consequences</li></ul>	
1.3				2.5	Minor consequences		7.5
1.5				7.5	Major future consequences	- Major future consequences	7.5
	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 the			0	Majority opposition		
	project from NGO's, community groups,	15		1	Minority opposition		
2.2			5	5	Majority support	Majority support	5
	network, media or business organizations?			2.5	Minority support		
2.3			2.5	0	Majority opposition	Majority support	2.5

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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or opposition from			0.5	Minority opposition		
	residents in the immediate vicinity of			2.5	Majority support		
	the new facility?			1.5	Minority support		
3. Envi	ironmental Impact						
	The impact of the proposed project on			0	Negative effects on quality of the local environment		
3.1	the quality of local environment (e.g.	10	10	5	Neutral	Neutral	5
	Air quality, Water 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	No direct revenue	0
				5	Revenue meets O&M costs		
				7.5	Revenue exceeds O&M costs		
	And the are in direct according to a refit	15		0	Negative impact on the local economy		
	Are there indirect economic benefits from this project in the long term, e.g.	15		2.5	Little or no long term economic development benefits		
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	Little or no long term economic development benefits	2.5
	expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease	e of Implementation						
5.1	Has land been acquired for the project		10	10	Yes	Yes	10
J.1	(If required)?	30	10	0	No	Tes	10
5.2	Has funding been secured/allocated	30	5	5	Yes	Yes	5
3.2	within the Local Government budget or			0	No	103	

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	whether the external sources of funding have been secured?						
	Will the project get approval from			1	Difficult		
5.3	higher levels of Government?		5	2.5	Standard	Standard	2.5
	The levels of deverminent.			5	Easy		
	Face of implementation of project in			1	Difficult	Standard	
5.4	Ease of implementation of project in respect of technical design?		5	3	Standard		3
	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 project or		5	1	Outside expertise needed for construction phase only	Outside expertise needed for co	1
	is external support needed?			3	Outside expertise needed for preparation phase i.e. feasibility studies	nstruction phase only	
				5	No outside expertise needed		
Total A	Achieved Score						60

**Project ID:** 03-14-06-01-01

**Project Description:** Solarization of the municipal buildings

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
1. Proj	ject Purpose & Service Delivery	y Improven	nent					
	Does the project fill a gap in a			2.5	Minor contribution			
1.1	wider system of service		10	7.5	Major contribution	Major contribution	7.5	
	delivery?			10	Significant contribution			
				0	No contribution.			
	Whether the project will			2.5	Indirect contribution.	Major contribution to		
1.2	contribute to Sectoral Plan /	30	10	7.5	Minor direct contribution	key development goal.	10	
	City Master Plan?	30		10	Major contribution to key	noy development godi.		
		-		10	development goal.			
	Whether the deference/ delay				0	No consequences		
1.3	of the project is going to affect		10	2.5	Minor consequences	Minor consequences	2.5	
1.5	citizens' health, safety,			7.5	Major future consequences	- Willion consequences	2.3	
	property, prosperity etc.?			10	Major immediate consequences			
2. Pub	lic Response							
	Deputation conved by the			1	Less than 10%			
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Less than 10%	1	
	project.			7.5	Greater than 20%			
	Is there support or opposition			0	Majority opposition			
	for the	4-		1	Minority opposition			
2.2	project from NGO's,	15	5	5	5 Majority support Majority support	Majority support	5	
	community groups, network, media or business organizations?			2.5	Minority support	, ,		
2.3	Is there support or opposition		2.5	0	Majority opposition	Majority support	2.5	
2.3	from		2.5	0.5	Minority opposition	wajonty support	2.5	

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	residents in the immediate			2.5	Majority support		
	vicinity of the new facility?			1.5	Minority support		
3. Env	ironmental Impact						
	The impact of the proposed project on the quality of local			0	Negative effects on quality of the loc al environment	Positive effects on the q	
3.1	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 I ocal environment	nment	
4. Soc	io-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		
	Are there indirect economic	15		0	Negative impact on the local economy		
	benefits from this project in the long term, e.g.	10	7.5	2.5	Little or no long term economic development benefits	Significant competitive advantage to industry and boost to the local economy	7.5
4.2	employment creation, investment generation,			5	Additional investment in the area and increased wealth for citizens		
	increase in land/property prices, reduction in citizens' expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Eas	e of Implementation				-		
5.1	Has land been acquired for		10	10	Yes	Yes	10
J. I	the project (If required)?		10	0	No	100	10
	Has funding been	30		5	Yes		
5.2	secured/allocated within the Local Government budget or whether the external sources		5	0	No	Yes	5

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

**Project ID:** 03-14-01-01

**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. Projec	t Purpose & Service Delivery Improve	ement					
	Does the project fill a gap in a wider			2.5	Minor contribution	Significant contribution	
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution		10
	System of service delivery:			10	Significant contribution		
				0	No contribution.		
	Whether the project will contribute to			2.5	Indirect contribution.	Major contribution to	
1.2	Sectoral Plan / City Master Plan?		10	7.5	Minor direct contribution	key development goal.	10
	Cooler Ian, Ony Madio Flam.	30		10	Major contribution to key development goal.	– key development goal.	
			10	0	No consequences	Major future consequences	
	Whether the deference/ delay of the			2.5	Minor consequences		
1.3	project is going to affect citizens' health, safety, property, prosperity			7.5	Major future consequences		7.5
	etc.?			10	Major immediate consequences		
2. Public	Response					<u> </u>	
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Greater than 20%	7.5
				7.5	Greater than 20%		
	Is there support or opposition for the	15		0	Majority opposition		
2.2	project from NGO's, community	15	_	1	Minority opposition	Majority augment	_
	groups, network, media or business organizations?		5	5	Majority support	Majority support	5
				2.5	Minority support		
2.3			2.5	0	Majority opposition	Majority support	2.5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or opposition from			0.5	Minority opposition		
	residents in the immediate vicinity of			2.5	Majority support		
	the new facility?			1.5	Minority support		
3 Enviro	onmental Impact				2 11		
J. LIIVIIC	The impact of the proposed project			0	Negative effects on qualit y of the local environment		
0.4	on the quality of local environment (e.g. Air quality, Water pollution, Waste reduction, etc.		4.0	5	Neutral	Positive effects on the	4.0
3.1		10	10	10	Positive effects on the quality of the local environment	quality of the local env ironment	10
4. Socio-	-Economic Impact						
				0	No direct revenue	Revenue exceeds O&M costs	
	Will the project bring in direct		7.5	2.5	Direct revenue is not sufficient to meet O&M costs		
4.1	revenue?			5	Revenue meets O&M costs		7.5
				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,	15	7.5	2.5	Little or no long term economic development benefits	Additional investment in the area and increased wealth for citizens	
4.2	e.g. employment creation, investment generation, increase in land/property prices, reduction in citizens' expenditures, etc.?			5	Additional investment in the area and increased wealth for citizens		5
				7.5	Significant competitive advantage to industry and boost to the local economy		

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
5. Ease	of Implementation	_			-		
5.1	Has land been acquired for the		10	10	Yes	Yes	10
J. I	project (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		5	0		Yes	5
	funding have been secured?				No		
	Will the project get approval from		_	1	Difficult	Standard	2.5
5.3	higher levels of Government?		5	2.5	Standard		
	3			5	Easy		
	Ease of implementation of project in			1	Difficult		
5.4	respect of technical design?	30	5	3	Standard	Standard	3
	respect of teermiear design.			5	Easy		
			5	0	Outside expertise needed for construction, O&M		
	Is there a capable system in place to			1	Outside expertise needed for construction phase on ly	Outside expertise nee	
5.5	implement and operate this project or is external support needed?			3	Outside expertise needed for preparation phase i.e. feasibility studies	i.e. Hase only	
				5	No outside expertise nee ded		
Total Ac	hieved Score						86.5

**Project ID:** 03-14-05-01-02

**Project Description:** Improvement/Rehabilitation of Fazal Park

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Pro	ject Purpose & Service Delivery Impr	ovement				·	
	Door the president fill a man in a			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5
	wider system or service derivery:			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	30	10	7.5	Minor direct contribution	development goal.	10
	Plan?	30		10	Major contribution to key development goal.	development goal.	
	Whether the deference/ delay of			0	No consequences	Minor consequences	
1.3	the project is going to affect		10	2.5	Minor consequences		2.5
1.3	citizens' health, safety, property,			7.5	Major future consequences	Minor 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%	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	13	5	5	Majority support	Majority support	5
	groups, network, media or business organizations?			2.5	Minority support		
2.3			2.5	0	Majority opposition	Majority support	2.5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Is there support or opposition from			0.5	Minority opposition		
	residents in the immediate vicinity			2.5	Majority support		
	of the new facility?			1.5	Minority support		
3. Envi	ronmental Impact						
	The impact of the proposed project on the quality of local environment			0	Negative effects on quality of the loc al environment	Docitive effects on the gual	
3.1	(e.g. Air quality, Water pollution,	10	10	5	Neutral	Positive effects on the quality of the local environment	10
	Waste reduction, etc.			10	Positive effects on the quality of the local environment	ity of the local environment	
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	Revenue exceeds O&M	7.5
	revenue?			5 Revenue meets O&M costs	COSIS		
				7.5	Revenue exceeds O&M costs	costs	
	Are there indirect economic	15		0	Negative impact on the local economy	Significant competitive	
	benefits from this project in the long term, e.g. employment			2.5	Little or no long term economic development benefits		
4.2	creation, investment generation, increase in land/property prices,		7.5	5	Additional investment in the area and increased wealth for citizens	advantage to industry and boost to the local economy	7.5
	reduction in citizens' expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease	of Implementation						
5.1	Has land been acquired for the		10	10	Yes	Yes	10
5.1	project (If required)?	30	10	0	No	162	10
5.2	Has funding been	30	5	5	Yes	Yes	5
٥.८	secured/allocated within the Local		٦	0	No	163	,

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Government budget or whether the external sources of funding have been secured?						
5.3	Will the project get approval from	-	5	1	Difficult	Easy	5
5.3	higher levels of Government?		5	2.5 5	Standard Easy		5
	Ease of implementation of project	-		1	Difficult	Easy	
5.4	in respect of technical design?		5	<u>3</u> 5	Standard		5
				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 phase only	Outside expertise needed f or construction phase only	1
	project or is external support needed?			3	Outside expertise needed for prepar ation phase i.e. feasibility studies		
				5	No outside expertise needed		
Total A	Achieved Score						79.5

**Project ID:** 03-14-04-01-01

Project Description: "Improvement and Construction of Roads in MC Khanewal"

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Proj	ect Purpose & Service Delivery Impr	ovement				•	•
	Door the project fill a gap in a			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5
	wider system or service derivery:			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	30	10	7.5	Minor direct contribution	development goal.	10
	Plan?	30		10	Major contribution to key development goal.	development godi.	
	Whether the deference/ delay of			0	No consequences		
1.3	the project is going to affect		10	2.5	Minor consequences	Minor consequences	2.5
1.3	citizens' health, safety, property,		10	7.5	Major future consequences	Minor 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%	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		
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			2.5	Majority support		
	of the new facility?			1.5	Minority support		
3. Envi	ronmental Impact						
	The impact of the proposed project			0	Negative effects on quality of the loc al environment	Docitive effects on the gual	
3.1	on the quality of local environment (e.g. Air quality, Water pollution,	10	10	5	Neutral	Positive effects on the quality of the local environment	10
	Waste reduction, etc.			10	Positive effects on the quality of the local environment	ity of the local environment	
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	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	15		0	Negative impact on the local economy		
	benefits from this project in the long term, e.g. employment	15		2.5	Little or no long term economic development benefits	Significant competitive	
4.2	creation, investment generation, increase in land/property prices,		7.5	5	Additional investment in the area and increased wealth for citizens	advantage to industry and boost to the local economy	7.5
	reduction in citizens' expenditures, etc.?			7.5	Significant competitive advantage to industry and boost to the local economy		
5. Ease	of Implementation						
5.1	Has land been acquired for the		10	10	Yes	Yes	10
5.1	project (If required)?	30	10	0	No	162	10
5.2	Has funding been	30	5	5	Yes	Yes	5
٥.۷	secured/allocated within the Local		כ	0	No	163	5

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Government budget or whether the external sources of funding have been secured?						
5.3	Will the project get approval from	-	5	1	Difficult	Easy	5
5.3	higher levels of Government?		5	2.5 5	Standard Easy		5
	Ease of implementation of project	-		1	Difficult	Easy	
5.4	in respect of technical design?		5	<u>3</u> 5	Standard		5
				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 phase only	Outside expertise needed f or construction phase only	1
	project or is external support needed?			3	Outside expertise needed for prepar ation phase i.e. feasibility studies		
				5	No outside expertise needed		
Total A	Achieved Score						79.5

**Project ID:** 03-14-04-01-02

Project Description: Improvement/Rehabilitation of Road (Jaswant Nagar Chowk to Tea factory Road)

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score	
1. Proj	ect Purpose & Service Delivery Impr	ovement				•	•	
	Describe preject fill a gentine			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	
	wider system or 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	30	10	7.5	Minor direct contribution	development goal.	10	
	Plan?	30	30		10	Major contribution to key development goal.	development godi.	
	Whether the deference/ delay of			0	No consequences			
1.3	the project is going to affect		10	2.5	Minor consequences	Minor consequences	2.5	
1.5	citizens' health, safety, property,				10	7.5	Major future consequences	
	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%	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			
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			2.5	Majority support			
	of the			1.5	Minority support			
2 Envi	new facility? ironmental Impact				типотор от реготор			
3. EIIV	Поппентаг ппраст				Negative effects on quality of the loc			
	The impact of the proposed project			0	Negative effects on quality of the loc al environment			
3.1	on the quality of local environment	10	10	5	Neutral	Positive effects on the qual	10	
	(e.g. Air quality, Water pollution, Waste reduction, etc.			10	Positive effects on the quality of the local environment	ity of the local environment		
4. Soci	io-Economic Impact							
1				0	No direct revenue			
4.1	Will the project bring in direct		7.5	2.5	Direct revenue is not sufficient to meet O&M costs	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	15		0	Negative impact on the local economy			
	benefits from this project in the long term, e.g. employment	15		2.5	Little or no long term economic development benefits	Significant competitive		
4.2	creation, investment generation, increase in land/property prices,		7.5	7.5	5	Additional investment in the area and increased wealth for citizens	advantage to industry and boost to the local economy	7.5
	reduction in citizens' expenditures, etc.?				Significant competitive advantage to industry and boost to the local economy			
5. Ease	e of Implementation							
5.1	Has land been acquired for the		10	10	Yes	Yes	10	
J.1	project (If required)?	30	10	0	No	103	10	
5.2	Has funding been	30	5	5	Yes	Yes	5	
٥.٢	secured/allocated within the Local			0	No			

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Government budget or whether the external sources of funding have been secured?						
F 2	Will the project get approval from		Г	1	Difficult	Facu	-
5.3	higher levels of Government?		5	2.5 5	Standard Easy	Easy	5
	Ease of implementation of project			1	Difficult		
5.4	in respect of technical design?		5	3	Standard	Easy	5
	m respect or teemmed design.			5	Easy		
	la thora a canable system in place			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 phase only	Outside expertise needed f	1
	project or is external support needed?			3	Outside expertise needed for prepar ation phase i.e. feasibility studies	or construction phase only	
				5	No outside expertise needed		
Total A	Achieved Score		_				79.5

**Project ID:** 03-14-04-01-03

**Project Description:** Improvement/Rehabilitation of Road (Tuff Pavers)

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Pro	ject Purpose & Service Delivery Impr	ovement				·	
	Doos the project fill a gap in a			2.5	Minor contribution		
1.1	Does the project fill a gap in a wider system of service delivery?		10	7.5	Major contribution	Major contribution	7.5
	wider system or service derivery:			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	30	10	7.5	Minor direct contribution	development goal.	10
	Plan?	30	30	10	Major contribution to key development goal.	development godi.	
	Whether the deference/ delay of		10	0	No consequences		2.5
1.3	the project is going to affect			2.5	Minor consequences	Minor consequences	
1.3	citizens' health, safety, property,			7.5	Major future consequences	Minor consequences	
	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%	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?	k, media or business		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			2.5	Majority support			
	of the			1.5	Minority support			
2 Envi	new facility? ironmental Impact							
J. EIIV					Negative effects on quality of the loc			
	The impact of the proposed project			0	al environment			
3.1	on the quality of local environment	10	10	5	Neutral	Positive effects on the qual	10	
	(e.g. Air quality, Water pollution, Waste reduction, etc.			10	Positive effects on the quality of the local environment	ity of the local environment		
4. Soc	io-Economic Impact							
i				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	7.5	
	revenue?			5	Revenue meets O&M costs	COSIS		
				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	15		2.5	Little or no long term economic development benefits	Significant competitive		
4.2	creation, investment generation, increase in land/property prices,		7.5	7.5	5	Additional investment in the area and increased wealth for citizens	advantage to industry and boost to the local economy	7.5
	reduction in citizens' expenditures, etc.?				Significant competitive advantage to industry and boost to the local economy			
5. Ease	e of Implementation							
5.1	Has land been acquired for the		10	10	Yes	Yes	10	
٥.1	project (If required)?	30	10	0	No	103	10	
5.2	Has funding been	30	5	5	Yes	Yes	5	
٥.٢	secured/allocated within the Local			0	No			

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
	Government budget or whether the external sources of funding have been secured?						
E 2	Will the project get approval from		5	1	Difficult	Facu	E
5.3	higher levels of Government?		5	2.5 5	Standard Easy	Easy	5
	Ease of implementation of project			1	Difficult		
5.4	in respect of technical design?		5	3	Standard	Easy	5
	m respect or teemmed design.			5	Easy		
	la thora a canable system in place			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 phase only	Outside expertise needed f	1
	project or is external support needed?			3	Outside expertise needed for prepar ation phase i.e. feasibility studies	or construction phase only	
				5	No outside expertise needed		
Total A	Achieved Score		_				79.5

**Project ID:** 03-14-02-02-01

Project Description:

Solarization of Tubewells and Disposal Stations in Khanewal City

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score
1. Projec	t Purpose & Service Delivery Improve	ement					
	Does 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	
1.2	Sectoral Plan / City Master Plan?		10	7.5	Minor direct contribution	key development goal.	10
	Sectoral Flam? City Master Flam?	30		10	Major contribution to key development goal.	noy development gean	
	Whether the deference/ delay of the project is going to affect citizens' health, safety, property, prosperity		10	0	No consequences	Minor consequences	2.5
				2.5	Minor consequences		
1.3				7.5	Major future consequences		
	etc.?			10	Major immediate consequences		
2. Public	Response						
				1	Less than 10%		
2.1	Population served by the project.		7.5	5	Between 10% to 20%	Less than 10%	1
				7.5	Greater than 20%		
	Is there support or opposition for the	15		0	Majority opposition		
2.2	project from NGO's, community	13	5	1	Minority opposition	Majority support	5
۷.۷	groups, network, media or business organizations?		5	5	Majority support	iviajority support	์ 
				2.5	Minority support		
2.3			2.5	0	Majority opposition	Majority support	2.5

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

Index	Question	Index Weight	Question Weight	Sub Weight	Possible Responses	Selected Response	Achieved Score		
5. Ease	of Implementation				-	-	•		
5.1	Has land been acquired for the		10	10	Yes	Yes	10		
5.1	project (If required)?		10	0	No	162	10		
	Has funding been secured/allocated			5	Yes				
5.2	within the Local Government budget or whether the external sources of		5	0		Yes	5		
	funding have been secured?				No				
	Will the project get approval from			1	Difficult				
5.3	higher levels of Government?			5	2.5	Standard	Easy	5	
	riigher levels of Covernment.			5	Easy				
	Ease of implementation of project in			1	Difficult				
5.4	Ease of implementation of project in respect of technical design?	30	30	30	5	3	Standard	Easy	5
	respect of teermiear design:			5	Easy				
				0	Outside expertise needed for construction, O&M				
F F	Is there a capable system in place to	_				1	Outside expertise needed for construction phase on ly	Outside expertise nee	
5.5	5 implement and operate this project or is external support needed?	5	3	Outside expertise needed for preparation phase i.e. feasibility studies	ded for construction p hase only	1			
					No outside expertise nee ded				
Total Ac	hieved Score						79.5		

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

## Section 1: Policy, Legal and Administrative Framework

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

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

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

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

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

#### Regulatory Clearances, Punjab EPA

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

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

## 1.2. Guidelines for Environmental Assessment, Pakistan EPA

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

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

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

## 1.3. Punjab Environmental Quality Standards (PEQS)

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

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

32 parameters of PEQSs for drinking water shall be applicable to all water supply schemes/ projects/ subprojects (rehabilitation and new). PEQSs for ambient air shall be applicable during rehabilitation or new construction of infrastructure development projects to analyze the emissions that may emerge from construction work machinery/equipment's. PEQSs for noise shall also be applicable during rehabilitation or new 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	Provided that the proponent shall file an Initial Environmental Examination or Environmental	These regulations have two schedules I & II. As per schedule I the subprojects require submission of IEE report have to be prepared and as per

Sr. #	Act	Description	,	Applicability 1	to sub-project
	IEE/EIA Regulations	Impact Assessment, if the project is likely to cause	schedu	le II the EIA of	Subproject will be carried
	2022	an adverse environmental impact		(	out.
		·	The sec	tor wise screen	ing of MCs subprojects as
					•
			per Pu	ınjab Environm	ent protection review of
			IEE/E	IA regulations 2	2000 are given below in
				T	able.
			Schedule	Sector	Clause
			Schedule	Stormwater	F. Water management,
			1	Drainage	dams, irrigation and
					flood protection
					1. Small Dams and
					reservoirs
					2. Irrigation and
					drainage projects
				Water	G. Water Supply and
				supply	Treatment
					Water supply schemes
					and treatment plants
					with total cost less than
					Rs. 50 million
				Parks	I.Urban development
					and tourism
					5. Urban development
					projects
				Waste	H. Waste disposal
					Non-hazardous scrap
					yard / warehouse

Schedule II supply, Sewerage System and treatment Water supply, Sewerage System and treatment Water supply Sewerage System and treatment plants (excluding the Reverse Osmosis, Ultra filtration and such like) with total cost more than Rs. 50 million 2. Wastewater channels / Sewerage System Schemes 3. Combined Wastewater Treatment Plants with treatment capacity greater than 100m3/hr Waste Storage and Disposal 1. Landfill sites 2. Waste Incinerators and autoclaves 3. Hazardous substance or waste storage or waste storage and autoclaves 3. Hazardous substance or waste storage	Sr. #	Act	Description	,	Applicability 1	to sub-project
warehouse					supply, Sewerage System and treatment  Waste Storage and	Sewerage System and treatment Water supply schemes and treatment plants (excluding the Reverse Osmosis, Ultra filtration and such like) with total cost more than Rs. 50 million  2. Wastewater channels / Sewerage System Schemes 3. Combined Wastewater Treatment Plants with treatment capacity greater than 100m3/hr  G. Waste Storage and Disposal 1. Landfill sites 2. Waste Incinerators and autoclaves 3. Hazardous substance or waste storage

Sr. #	Act	Description	Applicability to sub-project
3.	Delegations of power for Environment Approvals Rule 2017	According to these rules the powers of environmental approval are delegated to commissioner for specific types of projects	<ul> <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>
4.	Notification No. SOG/ EPD/5-86/2019 delegation of powers to Deputy Commissioner	According to this notification the powers of environmental approval are delegated to deputy commissioner for specific types of projects	Under PCP clause g is applicable Bus and Wagon stands od category C with area upto 8 kanal.
3.	Pakistan Penal Code, 1860	The Code deals with the offences where public or private property or human lives are affected due to intentional or accidental misconduct of an individual or organization. The Code also addresses control of noise, noxious emissions and disposal of effluents.	The provisions of the Penal Code, 1860 are applicable to the project in terms of penalties for effecting human lives and public property. It also addresses the control of noise, air emissions and effluent disposal.
4.	Motor Vehicle Rules, 1969	It defines powers and responsibilities of Motor Vehicle Examiners (MVEs). The establishment of	This act is applicable to the gaseous emission that will be released from the vehicles in operation phase

Sr. #	Act	Description	Applicability to sub-project
		MVE inspection system is one of the regulatory	at machinery used during construction phase of this
		measures that can be taken to tackle the ambient	subproject.
		air quality problems associated with the vehicular	
		emissions during operation phase.	
		The Land Acquisition Act, 1894, is a "law for the	
	The Land Acquisition	acquisition of land needed for public purposes and	This act will not be triggered as no land acquisition is
5.	Act, 1894	for companies and for determining the amount of	required.
	ACI, 1074	compensation to be paid on account of such	requireu.
		acquisition".	
	The Punjab Land		This act will be triggered as wherever land to be
6.	Acquisition Rules,	It describes the land acquisition procedure for	acquired for subproject. Such as in Swerage project,
0.	1983,	public purposes or for a company.	Construction of Wastewater treatment plants,
	1705,		installation of new tube wells etc.
		The Punjab Antiquities Amendment Act, 2012 is	
	Pakistan Antiquities	adopted from the Pakistan Antiquities Act of 1975	The law will be applicable to the project due to its
7.	Act 1975 and Punjab	with a few minor changes. The Antiquities Act,	provision that if any accidental archaeological
7.	Antiquities	1975 (amended in 1990) states the following:	discoveries may occur during the excavation works
	Amendment Act 2012	• "Ancient" is any object that is at least 75	for the construction of sub-projects.
		years old;	

Sr. #	Act	Description	Applicability to sub-project
		<ul> <li>All accidental discoveries of artifacts must be reported to the Federal Department of Archaeology;</li> <li>The Government is the owner of all buried antiquities discovered on any site, whether protected or otherwise;</li> <li>All new construction within a distance of 200 feet from protected antiquities is forbidden;</li> <li>No changes or repairs can be made to a protected monument, even if it is owned privately, without approval of the responsible authorities; and</li> <li>The cultural heritage laws of Pakistan are uniformly applicable to all categories of sites regardless of their state of preservation and classification as monuments of national or world heritage.</li> </ul>	
8.	Punjab Restriction of Employment of Children Act, 2016	According to the sub-section 11(a) of this Act, an occupier who employs or permits a child (person under the age of 15 years) to work in an establishment shall be liable to punishment with imprisonment for a term which may extend to six	The relevance of this act to the project will be to prohibit child employment for construction related activities of the proposed sub- project and it will be applicable throughout the construction activities related to subprojects.

Sr. #	Act	Description	Applicability to sub-project
9.	The Punjab Occupational Safety and Health Act, 2019	months, but which shall not be less than seven days, and a mandatory fine between 10,000 and 50,000 rupees.  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.
10	National Hazardous Waste Management Policy, 2022	A policy to facilitate the implementation of international treaties & Conventions on a national level to improve the definition & implementation of Hazardous Waste Management (HWM) for better environmental management, clarify institutional	Policy measures shall be applicable whereas there is any risk of usage or generation of hazardous waste.

Sr. #	Act	Description	Applicability to sub-project
		responsibilities related to HWM, and strengthen the	
		management of hazardous & other wastes.	
11	Protection Against Harassment of Women at the Workplace (Amended) Act, 2014	In this act major and minor penalties are mentioned.	This act is applicable for all the employees of MCs, LG&CDD and women labor (if involved for infrastructure development activities)
12	Punjab Labor Policy, 2018	Punjab Labor Policy, 2018 presents a policy document which directly addresses the child labor, bonded labor, gender discrimination, gender mainstreaming, labor protection, out of school children and lack of health facilities for the workers etc. Labor Policy of 2018 incorporates the key thematic areas regarding effective implementation of labor standards, social dialogue, improvements in workplace safety, living wages, awareness raising, excellence in labor inspections regime, imparting quality technical trainings through well-improved Training Centers, simplification of labor laws, medical facilities for secured workers even after retirement, establishment of labor colonies and schools for workers' children, improvement in	This act is applicable for all the employees of MCs, LG&CDD and women labor (if involved for infrastructure development activities)

Sr. #	Act	Description	Applicability to sub-project
		the wage fixation process and strengthening the	
		role of Punjab Minimum Wages Board, efficient	
		disbursement of welfare grants and gradual	
		extension of labor protection frame-work.	
		As per PLGA 2019 Functions of a Metropolitan	
		Corporation, Municipal Corporation and Municipal	
		Committee:	
		Part I	
		(g) Solid waste collection and disposal;	
		(h) Sewerage collection and disposal including	
	Punjab Local	water management and treatment;	
13	Government Act,	(i) Building control and land use;	All the related clauses of this Act shall be applicable
13	2019	(j) Births, deaths, marriages and divorce	for MCs.
		registration;	
		(k) Museums and art galleries;	
		(I) Open markets;	
		(m) Livestock and agriculture markets;	
		(n) Public parking facilities;	
		(o) City roads and traffic management;	
		(p) Public transport;	

Sr. #	Act	Description	Applicability to sub-project
		(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;	
		(hh) Street lights; and	

Sr. #	Act	Description	Applicability to sub-project
		(ii) Sign boards and street advertisements.	
14	Guidelines for Preparation and Review of Environment Reports, 1997	Guidelines for preparation and Review of Environmental Reports were issued by Pak EPA in 1997 under Pakistan Environment Protection Act, 1997 and are adopted by Punjab Environment protection Agency after 18 <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	Public consultation and citizens engagement is mandatory at projects planning and design phase and these guidelines shall be applicable for public consultation.

Sr. #	Act	Description	Applicability to sub-project
		consultation is appropriate); and facilitation of	
		involvement (including the poor, women, and	
		NGOs).	
		These guidelines give details about disclosure of	
		environmental information. These guidelines have 2	
	Guidelines for	parts:	
	Regulation of	First part deals with Public Disclosure instructions	These guidelines will be applicable for public
16	Disclosure of	regarding arrangement of public disclosure of	disclosure of environment related information of
10	Environmental	environment information and maintenance of	IEEs/EIAs or any other interventions that may cause
	Information & Citizen	record in indexed form	any harm to the environment.
	Engagement 2020	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	
	Canal and Drainage	obstruction or order their removal. It also covers	This act shall be applicable for all the subprojects of
17	Act 1873 and	issues related to canal navigation. It briefly	MCs where untreated wastewater is being dispose
		addresses issues relating to environmental	off to the irrigation canals.
	Amendment Act 2016	pollution.	on to the imigation canals.
		Section 70(5) of the CDA clearly states that no one	
		is allowed to "corrupt or foul the water of any canal	

Sr. #	Act	Description	Applicability to sub-project
		so as to render it less fit for the purposes for which it is ordinarily used." In addition, Section 73 of the CDA gives power to arrest without warrant or to be taken before the magistrate a person who has willfully damaged or obstructed the canal or "rendered it less useful."	
18	Punjab Wildlife Protection, Conservation and Management Act, 1974	The Act requires the protection of wildlife species declared as endangered/threatened and rare. It gives protection to these species by declaring their natural living environment as protected and reserved, which includes areas such as national parks, wildlife sanctuaries, and game reserves.	This act shall be applicable in case any harm to wildlife is assessed at the stage of early screening or if there is any potential risk identified to the wildlife during or after execution of the subprojects/projects related to infrastructure development and municipal service delivery.
19	Guidelines and Checklists adopted by GOP after 18th Amendment	Punjab EPA has also designed the following Guidelines/Checklists for IEE/EIA Projects: Check List for IEE (updated September 2020) Check List for EIA (updated September 2020) After 18 <sup>th</sup> Amendment, Punjab EPA has adopted the following sectoral Guidelines that were prepared by other provinces and were earlier adopted by Pak EPA: ✓ Poultry Farms	Checklists for IEE and EIA shall be applicable to all the new infrastructure development projects.  Following Guidelines shall be applicable for MC's municipal service delivery projects:  ✓ Urban Roads ✓ Water Supply ✓ Sanitation Schemes ✓ Major Sewerage Schemes

Sr. #	Act	Description	Applicability to sub-project
		✓ Urban Roads	
		✓ Rural Schools	
		✓ Housing Schemes	
		✓ Petrol & CNG	
		✓ Forest Road	
		✓ Forest Harvesting	
		✓ Water Supply	
		✓ Tourist Facilities	
		✓ Sanitation Schemes	
		✓ Major Chemicals and Manufacturing Plants	
		✓ Flour Mills	
		✓ Carpet Manufacturing	
		✓ Housing Estates and New Town Development	
		✓ Industrial Estate	
		✓ Major Roads	
		✓ Major Sewerage Schemes	
		✓ Stone Crushers	
		✓ Marble Units	
		✓ Oil & Gas Exploration	

# Section 2: Environmental & Social Categorization

# 2.1. Environmental Screening and Categorization of Sub-Projects

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

Sr. #	Project Categories	Type of Sub-projects	Nature of Environmental Issues	Env. Category	Social Category	Instruments Required				
	Waste Management									
	Solid Waste	Collection Equipment, Collection Bins	Negligible environmental impacts	E3	\$3	Applicability of PMDFC EHS SOPs for SWM Machinery/Equipment				
	Liquid Waste	Sludge ponds	May have some negative but localized environmental and social impacts	E2	<b>S</b> 2	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	\$3	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	\$3	NA
		Overhead reservoirs (OHRs)	May have negligible environmental impacts	E2	<b>S</b> 2	ESMP
		Water Supply distribution network	May have some negative to significant environmental and social impacts depending upon the scope of work	E1 or E2	S1 or S2	ESMP for repair and maintenance of existing network or IEE/EIA for new subprojects 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 Drain	age		
	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 subprojects as per scope of work and environmental impacts and categorization given in Schedule I and II of PEPA Review of IEE/EIA Regulations 2000

Sr. #	Project Categories	Type of Sub-projects   Nature of Environmental Issues		Env. Category	Social Category	Instruments Required					
Flood control		ystems	May have some negative to significant environmental and social impacts depending upon the scope of work	E1 or E2	<b>S</b> 2	ESMP for repair and maintenance of existing system or IEE/EIA for new subproject as per scope of work and environmental impacts and categorization given in Schedule I and II of PEPA Review of IEE/EIA Regulations 2000					
4.	Connectivity										
	Rehabilitation and maintenance of urban roads <sup>4</sup>		, ,		S2S	ESMP					
	Pedestrian wal	kways, Bicycle paths	May have negligible environmental impacts	E2	<b>S</b> 2	ESMP					
	Streets and sec signs	ts and security lights, and road May have negligible environmental impacts E3		E3	\$3	NA					
	Construction of Bus Workshops		May have some negative but localized environmental and social impacts	E2	<b>S</b> 2	ESMP					
	Rehabilitation of Bus Stands/Terminals <sup>5</sup> May have negligible enviro		May have negligible environmental impacts	E2	E2	ESMP					
5.			Social and Livability Infra	structure	1						

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<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

Sr. #	Project Categories	Type of Sub-projects	Nature of Environmental Issues	Env. Category	Social Category	Instruments Required
	Urban greenery and public spaces		May have negligible environmental impacts	E2	\$2	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 /Maintenance of Community Parks		May have negligible environmental impacts	E2	<b>S</b> 2	ESMP

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

# Section 3: Budget Allocation

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

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

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

# Section 4: Monitoring & Supervision

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

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

# Annexure E. Project Appraisal

**Project ID:** 03-14-05-01-01

**Project Description:** Rehabilitation / Improvement of Yousaf Park

Sr. No.		Description	Unit	Value	Remarks
1	Net Present Value (NPV)	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%	Rs.	47	
2	Financial Internal Rate of Return (FIRR)	FIRR	%	29%	
3	Benefit Cost Ratio (BCR)	BCR= Total Benefits ÷ Total Costs		30.06	
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	E	F	G=D+E+F	H=G-C	l=(1.22.32)^n	J=HxI
0	2023-2024	80.00		80				-	(80)	1	(80)
1	2024-2025		-	-			11.04	11	11	0.82	9
2	2025-2026		-	-			12.82	13	13	0.67	9
3	2026-2027		-	-			14.89	15	15	0.55	8
4	2027-2028		-	-			17.28	17	17	0.45	8
5	2028-2029		-	-			20.07	20	20	0.37	7
6	2029-2030		-	-			23.31	23	23	0.30	7
7	2030-2031		-	-			27.06	27	27	0.24	7
8	2031-2032		-	-			31.43	31	31	0.20	6
9	2032-2033		-	-			36.49	36	36	0.16	6
10	2033-2034		-	-			42.37	42	42	0.13	6
11	2034-2035		-	-			49.20	49	49	0.11	5
12	2035-2036		-	-			57.14	57	57	0.09	5
13	2036-2037		-	-			66.35	66	66	0.07	5
14	2037-2038		-	-			77.04	77	77	0.06	5
15	2038-2039		-	-			89.46	89	89	0.05	4
16	2039-2040		-	-			103.88	104	104	0.04	4
17	2040-2041		-	-			120.63	121	121	0.03	4
18	2041-2042		-	-			140.07	140	140	0.03	4
19	2042-2043		-	-			162.65	163	163	0.02	4
20	2043-2044		-	-			188.87	189	189	0.02	3
21	2044-2045		-	-			219.32	219	219	0.01	3
22	2045-2046		-	-			254.67	255	255	0.01	3
23	2046-2047		-	-			295.73	296	296	0.01	3
24	2047-2048		-	-			343.40	343	343	0.01	3
25	2048-2049			-				-	-	0.01	-
Т	otal	80	-	80	-	-	2,405	2,405	2,325		47

#### **Assumptions for Financial Appraisal**

#### Costs:

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

#### Benefits:

- 4 Benefits include the potential saving 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:** 03-14-01-06-01

**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)	fit Cost Ratio (BCR) BCR= Total Benefits ÷ Total Costs		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	Е	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
1	「otal	600	3,268	3,868	8,382	-	-	8,382	4,514		(249)

#### **Assumptions for Financial Appraisal**

#### Costs:

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

#### Benefits:

- 4 Benefits include the potential saving in the opportunity cost of vehicles. Project would provide effective protection to the vehicles against the solar radiation and ultraviolet rays, rain, hail, wind, and dust, thereby slowing down the deterioration of vehicles and reducing the cost of maintenance.
- <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:** 03-14-06-01-01

Project Description: Solarization of the municipal buildings

Sr. No.		Description	Unit	Value	Remarks
1	Net Present Value (NPV)	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%	Rs.	453	
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			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	300.00	1.50	302				-	(302)	1	(302)
	2024-2025		1.74	2	66.00			66	64	0.82	53
2	2025-2026		2.02	2	76.64			77	75	0.67	50
3	2026-2027		2.35	2	88.99			89	87	0.55	47
4	2027-2028		2.73	3	103.34			103	101	0.45	45
5	2028-2029		3.17	3	120.00			120	117	0.37	43
6	2029-2030		3.68	4	139.34			139	136	0.30	41
7	2030-2031		4.27	4	161.80			162	158	0.24	38 37 35
8	2031-2032		4.96	5	187.89			188	183	0.20	37
9	2032-2033		5.76	6	218.17			218	212	0.16	
10	2033-2034		6.69	7	253.34			253	247	0.13	33
11	2034-2035		7.76	8	294.18			294	286	0.11	31
12	2035-2036		9.02	9	341.60			342	333	0.09	30
13	2036-2037		10.47	10	396.67			397	386	0.07	28
14	2037-2038		12.16	12	460.61			461	448	0.06	27
15	2038-2039		14.12	14	534.86			535	521	0.05	25 24
16	2039-2040		16.39	16	621.08			621	605	0.04	24
17	2040-2041		19.03	19	721.20			721	702	0.03	23
18	2041-2042		22.10	22	837.46			837	815	0.03	22
19	2042-2043		25.66	26	972.46			972	947	0.02	21
20	2043-2044		29.80	30	1,129.22			1,129	1,099	0.02	20
21	2044-2045		34.60	35	1,311.25			1,311	1,277	0.01	19
22	2045-2046		40.18	40	1,522.62			1,523	1,482	0.01	18
23	2046-2047		46.66	47	1,768.07			1,768	1,721	0.01	17
24	2047-2048		54.18	54	2,053.08			2,053	1,999	0.01	16
	2048-2049		62.92	63	2,384.03			2,384	2,321	0.01	15
Т	Total	300	444	744	16,764	-	-	16,764	16,020		453

#### **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: 03-14-01-01

Project Description : Solarization of Tube wells and Water Supply System

Sr. No.		Description	Unit	Value	Remarks
1	Net Present Value (NPV)	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%	Rs.	211	
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			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	I=(1.22.32)^n	J=Hxl
0	2023-2024	140.00	0.70	141				-	(141)	1	(141)
1	2024-2025		0.81	1	30.80			31	30	0.82	25
2	2025-2026		0.94	1	35.76			36	35	0.67	23 22
3	2026-2027		1.10	1	41.53			42	40	0.55	22
4	2027-2028		1.27	1	48.22			48	47	0.45	21
5	2028-2029		1.48	1	56.00			56	55	0.37	21 20 19
6	2029-2030		1.72	2	65.03			65	63	0.30	19
7	2030-2031		1.99	2	75.51			76	74	0.24	18
8	2031-2032		2.31	2	87.68			88	85	0.20	17
9	2032-2033		2.69	3	101.81			102	99	0.16	16
10	2033-2034		3.12	3	118.23			118	115	0.13	15
11	2034-2035		3.62	4	137.28			137	134	0.11	15 14
12	2035-2036		4.21	4	159.41			159	155	0.09	14
13	2036-2037		4.89	5	185.11			185	180	0.07	13
14	2037-2038		5.67	6	214.95			215	209	0.06	12
15	2038-2039		6.59	7	249.60			250	243	0.05	12
16	2039-2040		7.65	8	289.84			290	282	0.04	11
17	2040-2041		8.88	9	336.56			337	328	0.03	11
18	2041-2042		10.31	10	390.81			391	381	0.03	10
19	2042-2043		11.98	12	453.81			454	442	0.02	10
20	2043-2044		13.91	14	526.97			527	513	0.02	9
21	2044-2045		16.15	16	611.92			612	596	0.01	9
22	2045-2046		18.75	19	710.56			711	692	0.01	8
23	2046-2047		21.78	22	825.10			825	803	0.01	8
24	2047-2048		25.29	25	958.10			958	933	0.01	7
1	otal	140	207	347	7,823	-	-	7,823	7,476		211

#### **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: 03-14-02-02-01

Project Description : Solarization of Tubewells and Disposal Stations in Khanewal City

Sr. No.		Description	Unit	Value	Remarks
1	Net Present Value (NPV)	NPV=PV of benefits @ 22.32% - PV of costs @ 22.32%	Rs.	211	
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			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	I=(1.22.32)^n	J=Hxl
0	2023-2024	140.00	0.70	141				-	(141)	1	(141)
1	2024-2025		0.81	1	30.80			31	30	0.82	25
2	2025-2026		0.94	1	35.76			36	35	0.67	23
3	2026-2027		1.10	1	41.53			42	40	0.55	22
4	2027-2028		1.27	1	48.22			48	47	0.45	21
5	2028-2029		1.48	1	56.00			56	55	0.37	20
6	2029-2030		1.72	2	65.03			65	63	0.30	19
7	2030-2031		1.99	2	75.51			76	74	0.24	18
8	2031-2032		2.31	2	87.68			88	85	0.20	17
9	2032-2033		2.69	3	101.81			102	99	0.16	16
10	2033-2034		3.12	3	118.23			118	115	0.13	15
11	2034-2035		3.62	4	137.28			137	134	0.11	15
12	2035-2036		4.21	4	159.41			159	155	0.09	14
13	2036-2037		4.89	5	185.11			185	180	0.07	13
14	2037-2038		5.67	6	214.95			215	209	0.06	12
15	2038-2039		6.59	7	249.60			250	243	0.05	12
16	2039-2040		7.65	8	289.84			290	282	0.04	11
17	2040-2041		8.88	9	336.56			337	328	0.03	11
18	2041-2042		10.31	10	390.81			391	381	0.03	10
19	2042-2043		11.98	12	453.81			454	442	0.02	10
20	2043-2044		13.91	14	526.97			527	513	0.02	9
21	2044-2045		16.15	16	611.92			612	596	0.01	9
22	2045-2046		18.75	19	710.56			711	692	0.01	8
23	2046-2047		21.78	22	825.10			825	803	0.01	8
24	2047-2048		25.29	25	958.10			958	933	0.01	7
1	otal	140	207	347	7,823	-	-	7,823	7,476		211

#### **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**



Consultative Session - Khanewal.pdf

City	Data	Consultant Toom	MC Team		
City	Date	Consultant Team	Designation	Name	
		Mr. Mudassir	MOI	Not Present	
	From	Mr. Haroon	Sub Engineer	Mr. Shahbaz	
Khanewal	3-May-23 <b>To</b>		PMDFC	Hammad	
	4-May-23		GIS	Mr. Waqas Shafi	
			Head Clerk	Abrar, Nouman	





# Punjab Municipal Development Fund Company (PMDFC)



# **Punjab Cities Program**



# Integrated Development and Asset Management Plan (IDAMP)

Consultative Session
Conducted on May 09, 2023

**Municipal Committee Khanewal** 

**Prepared by: Regional Program Coordinator (South)** 





# Agenda

# Consultative Session on IDAMP with Stakeholders at MC Khanewal

# **Under Punjab Cities Program (PCP)**

Organizing Date: May 09, 2023

Time	Activity Description
2:00 PM	Registration of the Participants
2:05 PM	Recitation from the Holy Quran
2:15 PM	Importance of Community participation
2:45 PM	Introduction and Description of the IDAMP activity being performed at MC, its purpose, objective
2:15 PM	Description of main points of IDAMP Framework/guidelines
3:00 PM	Description of main features of IDAMP of respective MC (The developed IDAMP for MC may be discussed as an example)
3:30 PM	Discussion on Projects Identified in IDAMP
3:45 PM	Open Discussion
4:00 PM	Discussion to ensure women participation in the overall process
4:30 PM	Closing of Session





#### PROCEEDINGS OF SESSION

After registration of participants a brief session was conducted on IDAMP details are given below:

#### 1. Introduction:

The IDAMP Framework sets out the principles/guidelines and policies for efficient and transparent asset management and reporting system. Thus, this Framework is designed to ensure the effective planning, careful management, accurate recording and reliable reporting of all the assets over the asset life cycle for optimized service delivery to the public.

# 2. Purpose of IDAMP Framework

The key purpose of IDAMP Framework is the effective management of asset portfolio of the MCs in order to achieve service delivery objectives.

- Encourage a consistent approach and a common methodology for development and management of assets.
- Provide guidelines to ensure informed decision making by MCs for investment in and management of those assets which help achieve the service delivery objectives.
- Establish principles for the development of detailed Standard Operating Procedures for implementation and sustainability of IDAMP.

# 3. Scope of IDAMP Framework:

IDAMP Framework is, in initial phase, applicable to the 16 Municipal Committees (MCs) of Punjab supported by the World Bank-funded Punjab Cities Program (PCP) to strengthen the performance of MCs in urban management and municipal service delivery. These MCs are listed below:

Sr. No.	Northern Punjab	Central Punjab	Southern Punjab
1.	Daska	Gojra	Bahawalnagar
2.	Hafizabad	Jaranwala	Burewala
3.	Jhelum	Jhang	Khanewal





4.	Kamoke	Kamalia	Kot Addu
5.	Muridke	Okara	Vehari
6.	Wazirabad		

Further, this IDAMP Framework provides principles and guidance about the following arenas of asset management:

- Planning of Assets Development of project proposals for rehabilitation/replacement or new assets creation.
- Appraisal of proposed projects.
- Selection of suitable projects for implementation.
- Operation and maintenance (O&M) planning of assets.
- Monitoring and Evaluation of implementation of IDAMP.

# 4. Legal Authority of IDAMP Framework

It is the responsibility of local governments to manage and develop assets within their jurisdiction, including infrastructure, buildings, land, and public resources.

# 5. Overview of IDAMP/Challenges faced by MCs

- Repetitive Transition in LG System.
- Institutional Fragmentation and Unclear Accountability.
- Weak Systems and Capacities at MCs.
- Weak MC Finances.
- Low Coverage & Quality of the Municipal Services.
- Poor Operation & Maintenance (O&M).
- Lack of multi-year planning for development and asset management.

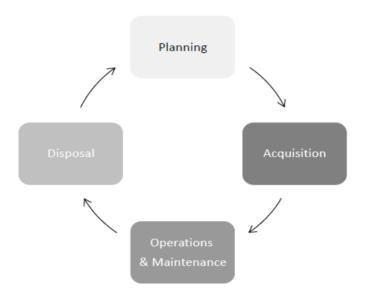
# 6. Key Concepts

The processes have been derived from the well-established standards like ISO 55000 and International Infrastructure Asset Management Manual (IIMM). The process is contextualized for Punjab Province based on the intensive discussion with the respective officials overseeing the asset management.





Every asset is bound to have certain time period for performing its operations or providing services attributed to it from acquisition to disposal. This is referred to as *Asset Life Cycle*.



Asset Management is related to entire Life Cycle of an asset called Life Cycle Asset Management. After acquisition, the maintenance for operation is done continuously on the basis of assessment of performance or condition as well as for achievement of desired level of service and finally the decision of upgrading, renewal, replacement or disposal is taken.

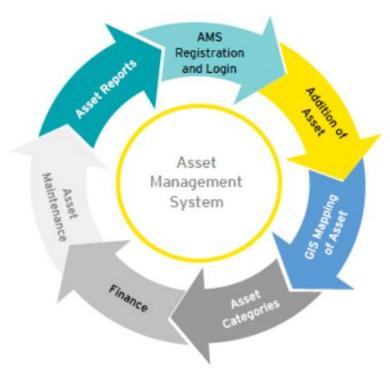






The coordinated system for carrying out life cycle asset management in an effective and efficient manner is the one known as 'Asset Management System' (AMS).

A standard AMS has various components which include asset registration, asset categories, finance, asset maintenance and asset related reports.



# 7. Key Challenges

- Lack of multi-year planning for development and asset management.
- Weak Systems and Capacities.
- Non-availability of an effective asset management system.
- Lack of well-defined system for the prioritization of projects.
- Poor Operation & Maintenance (O&M).

# 8. Objectives of IDAMP

- The importance of physical assets to delivering service delivery objectives and outcomes.
- The quality of existing physical assets in terms of condition and asset performance.
- The assets needed to meet or sustain current levels of service, and to address current and future shortfalls.
- The feasible asset solutions to address identified shortfalls.
- The level of commitment and planned improvements.

# 9. Key Benefits of IDAMP





- Improved service delivery.
- Improved financial performance.
- Informed asset investment decisions.
- Managed risk.
- Demonstrated social responsibility.
- Improved efficiency and effectiveness.
- Enhanced public trust and confidence.
- Improved organizational sustainability.

# 10. Asset Portfolio Analysis

- Asset Condition Assessment:
  - i. Its age.
  - ii. Its operating environment (what weather etc. it is exposed to).
  - iii. Its apparent wear and tear.
  - iv. Asset's performance.
  - v. Asset's contribution to service delivery.

# 11. Asset Portfolio Analysis

- Asset Risk Management
  - 1. Physical Condition

Physical Condition	New/ Excellent Condition	Minor Defects Only	Moderate Deterioration	Significant Deterioration	Unserviceable
Score	1	2	3	4	5

#### 2. Asset Performance (KPIs)

Performance (KPIs)	Meets Performance Targets	Minor Performance Deficiencies	Considerable Performance Deficiencies	Major Performance Deficiencies	Doesn't Meet Performance Targets
Score	1	2	3	4	5

#### 3. Asset reliability

Reliability	As Specified by Manufacturer	Random Breakdown	Occasional Breakdown	Periodic Breakdown	Continuous Breakdown
Score	1	2	3	4	5

#### **Asset Condition Rating**

An average score shall than be calculated by the department technical team and final score shall be awarded on the basis of average score of all the factors.

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





# 12. Methodology for the IDAMP

- Step 1: Development of GIS based Assets Inventory
- **Step 2:** Notification of Level of Service (LOS)
- **Step 3:** Development of Project Proposals
- Step 4: Operations and Maintenance (O&M) Costs Planning
- **Step 5:** Financial Capacity Analysis
- **Step 6:** Projects Screening and Phasing
- **Step 7:** Finalization of Integrated Development and Asset Management Plan

# 13. Monitoring and Evaluation of IDAMP

- Establishment of M&E Unit
  - i. A Monitoring and Evaluation (M&E) Unit shall be established for continuous monitoring of implementation and compliance of the IDAMP.
  - ii. Chief Officer of the concerned Local Government (MC) shall nominate a Municipal Officer (MO) who shall not be part of Technical Team of IDAMP or may create an independent unit with name of Monitoring and Evaluation Unit.
- Monitoring and Evaluation of IDAMP
- a) Ensure that Asset Management System (AMS) is updated in all aspects.
- b) Carry out monitoring of:
  - i. Levels of services.
  - ii. Performance of an asset, including financial and non-financial performance.
- iii. The effectiveness of the asset management system.
- c) M&E Unit shall receive and evaluate the following reports from the entity and Asset Managers:
  - i. Report on Key Performance Indicators (Target vs Achieved).
  - ii. Report on projects implementation status.
- iii. Report on any hindrance observed while implementing the project.
- d) Evaluation of projects implemented during the year and its status with respect to IDAM Plan developed
- e) Conduct Internal Audit at planned intervals to identify and address potential gaps in system and identify opportunities for performance improvement.
- f) Review the entity's asset management policies, procedures and systems, at planned intervals, to ensure its continuous improvement, adequacy, suitability and effectiveness.
- g) Provide recommendation and guidelines to IDAMP Team.





# **Attend Sheet of Session**

# Muncipal Committee Khanewal Consultative Session for IDAMP Attendance Sheet

Dated:09-05-2023

Venue: Municipal Committee Khanewal

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# Muncipal Committee Khanewal Consultative Session for IDAMP Attendance Sheet

Dated:09-05-2023

Venue: Municipal Committee Khanewal

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# Muncipal Committee Khanewal Consultative Session for IDAMP Attendance Sheet

Dated:09-05-2023

Venue: Municipal Committee Khanewal

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# **Banner and Participants Pictures**

























	Mi	nutes of Me	etings wit	th Stakeholders fo	r their Concerns
Sr. No.	Agency / Department / Stakeholder	Date	Time	Representative	Issues / Needs / Preferences
1.	PMDFC	May 09, 2023	2:00 – 3:30 PM	Hammad Amin Regional Program Coordinator (South)	Mr. Hammad Amin (RPC-South) gave a brief presentation upon IDAMP, Framework, Projects, Scope of work, Asset Management, Key Concepts, Key Challenges, Objectives, Benefits, Asset Portfolio, Methodology, Monitoring & Evaluation.
2.	MC-Khanewal	May 09, 2023	3:30 – 4:30 PM	Mr. Iftikhar Bangash (Chief Officer)	Gave a clear understanding and introduction regarding the main features of project.  Urgency and severity of present problems and issues in each sector of Khanewal City.  Sectoral planning and design of sectors, prioritized till 2030.  Sectoral planning of sectors, prioritized till 2050.  Insurance of Unit focusing on urban management and improvement of municipal services infrastructure for satisfactory service delivery.  The allied facilities and a good infrastructure will be provided to the locals by prioritization of sectors.
3.	MC-Khanewal	May 09, 2023	3:30 - 4:30 PM	Mr. Zain Ali (MO I&S)	World Bank has started a great initiative to address the needs of general public. Unit officials will put all effort for the successful outcome of the project. All projects will be taken as per the suggestions and recommendation of the participants. Issues must be resolved with inclusive approach and collective wisdom.





					Community knows best about the issues occurring in the community that's why community engagement has been done at this level  Committees will be established in each community for cleanliness of area  State of the art machinery will be procured in next 2-3 months for solid waste management.  Geo tagging of containers will be done for monitoring of the solid waste collection operations.  All facilities including installation of dust bins, ducts for cabling etc. to be ensured during the design of roads.
4.	MC-Khanewal	May 09, 2023	3:30 - 4:30 PM	Ms. Rabia (Computer Operator)	Entertainment and recreational facilities must be included. Project is good if implemented properly in MC-Khanewal. People will get facilitated in better way.
5•	Social Worker	May 09, 2023	3:30 - 4:30 PM	Ms. Shehnaz (Social Worker	PCP projects are under process in MC-Khanewal. As currently there is PCP is working on 4 road, it will give benefit to public and improve mobilization of people. Furthermore, she said there is lacking of MC services there is dire need to improve them.
6.	Superintendent	May 09, 2023	3:30 - 4:30 PM	Rai Amir Hafeez Superintendent	GRM needs to be improve as all public is not literate so please add option of voice not in GRM. So that public can convey their message easily.
7.	Instructor	May 09, 2023	3:30 - 4:30 PM	Eeza Asghar	She said these programs should not only for city level they should be implement in villages and chaks of Khanewal as she is resident of chak-10 she said there is dire need to improve drainage system.





# **Closing of Session:**

Overall the session was interactive and a great success in which healthy sharing of views took place. Session was closed with note of thanks.