DISTRICT LAND USE & ZONING PLANS FOR LOCAL GOVERNMENTS IN PUNJAB

DISTRICT VEHARI
(2023-2043)

Project Management Unit (PMU)

Local Government and Community Development Department

Planning Today for Resilient Tomorrow

FOREWORD

Conventionally, Local Governments play a crucial role in achieving the targets of sustainable development. The optimum allocation and utilization of land is essential to address the challenges posed by rapid urban sprawl. By focusing on land use planning, we can steer urban expansion in a way that preserves agricultural land, conserves resources, and ensures long-term food security. With clear, actionable strategies, we are confident in our ability to build vibrant, sustainable communities for the future. The Land Use Plan will serve as a comprehensive guide, ensuring that urban growth is managed effectively and align with Sustainable Development Goals (SDGs).

While the law obligates each Local Government to independently formulate plans to address present and future needs, numerous challenges have hindered their ability to fulfill this mandate. To support Local Governments, the department has established a centralized Project Management Unit (PMU) to lead the preparation of Land Use Plans across Punjab and provide technical and financial resources without compromising the independence of Local Governments by actively involving them in the planning process. The purpose is to ensure inclusivity and ownership of these 20-years Land Use Plans.

We have successfully completed the District Land Use and Zoning Plans for Punjab, introducing a comprehensive policy framework that equips local governments with the tools to manage land use effectively. This milestone was achieved on fast-track due to strong collaboration between the Local Government & Community Development Department and the District Administrations. These Plans have been duly approved and notified under the Punjab Local Governments Land Use Plan (Classification, Reclassification, and Redevelopment) Rules 2020.

(Shakeel Ahmad Mian)
Secretary to Government of the Punjab
LG&CD Department

EXECUTIVE SUMMARY

One of the key responsibilities of the Local Governments is the regulation and optimal utilization of the precious land resource. The unchecked horizontal growth of our cities has led to depleting prime agriculture land, environmental degradation, and poor land management, which further threatened food security and climate resilience, leaving cities ill-equipped to meet global benchmarks like the Sustainable Development Goals (SDGs). The disjointed framework for land use planning called for a structured and strategic approach to guide sustainable urban development.

Recognizing the capacity constraints of Local Governments, the Local Government & Community Development Department initiated a centralized support unit for the preparation of land use plans. Tasked with this responsibility, the Project Management Unit (PMU) has been established to lead these efforts across Punjab's districts. The primary objective is to provide financial and technical assistance to local governments while ensuring a standardized and inclusive approach to planning.

The Land Use and Zoning Plans were crafted using a balanced and data-driven approach designed to address the distinct needs of local communities. Through a context-specific and rational methodology, future land demand was meticulously projected to foster compact urban growth and maximize land efficiency. The structure plan strategically integrates a hierarchical road network to organize urban development, ensuring seamless mobility, enhanced accessibility, and greater social inclusivity. Central to the plan is a focus on economic vitality, with provisions for robust commercial, industrial, and agricultural activities supported by key infrastructure, including commercial corridors, industrial zones, and farm-to-market roads. Throughout the process, stakeholder engagement was prioritized, embedding a participatory framework to guarantee comprehensive input from all relevant parties.

These Land Use and Zoning Plans are now equipped for implementation as comprehensive frameworks for regulating land use, optimizing urban infrastructure, and driving sustainable development across the region. Developed through the collaborative efforts of Project Management Unit (PMU), Planning Officers in each Local Government, Consultants, and local stakeholders, the plans provide actionable guidelines for shaping urban growth. Their implementation will focus on creating

balanced residential, commercial, industrial, and agricultural zones while addressing environmental sustainability and socio-economic inclusivity.

Consultancy firms registered with Pakistan Council of Architects and Town Planners (PCATP) possessing competent professionals have developed these plans, under the guidance and administration of Project Management Unit (PMU) ensuring firm compliance with project's approved Terms of Reference (TORs). This includes a range of activities and deliverables, such as vision formulation, situational analysis, district profiling, projection of a city's future requirements of land, housing, connectivity and social infrastructure, to come up with the data-driven plan. These plans not only outline the urban growth limits for the next 20 years but also ensure a balanced distribution of land for various purposes, including residential, educational, health, IT neighborhoods, commercial, economic, and industrial zones. Additionally, the plans enhance district connectivity through a network of roads, including the Ring Road, bypasses, structure plan roads, farm-to-market roads, intercity corridors, and the widening of existing revenue paths.

WAY FORWARD

True transformation of cities lies in the implementation of plans that determine their future urban form. For effective implementation, our team has developed the Planning Support System (PSS)—the first of its kind—to support local bodies and field hierarchies responsible for land use regulation through a centralized surveillance system. The PSS will assist planning officers in zoning decisions through the "Automated Zoning Report" and help control violations of approved land use plans using a Geo-AI land cover change detection system. The PMU will provide essential training to planning officers to ensure the PSS is utilized to its fullest potential. The system will be further strengthened with feedback from citizens and other stakeholders.

Another challenge in the effective implementation of plans is the missing link between revenue records and proposed land use zoning. Integrating these through the superimposition of revenue records/maps onto land use plans is the way forward—an upcoming venture we are committed to achieving.

(Ume Laila Naqvi)
Project Director

ABOUT **CONSULTANT**

"The preparation of the District Land Use and Zoning Plan for Vehari was awarded to the consortium of MM Pakistan (Pvt.) Ltd. and NESPAK (Pvt.) Ltd."

NESPAK has extensive experience in providing planning, engineering, and management services across various sectors, both domestically and internationally. Registered in Category P1 with the Pakistan Council of Architects and Town Planners (PCATP), NESPAK has completed over 3,400 projects, including master planning and land use planning for numerous cities and districts across Pakistan, including Punjab, Sindh, AJ&K, GB, and KP. The firm's expertise spans infrastructure, urban planning, environmental engineering, and more, ensuring the effective development of cities and regions. NESPAK has contributed to more than 200 major planning projects, including some of the most significant urban development initiatives in the country.

Recognized for its excellence in multidisciplinary consultancy, **MM Pakistan (Pvt.) Ltd. (MMP),** established in 1986, has earned a stellar reputation for delivering innovative planning, engineering, and management solutions across Pakistan. Accredited in Category P1 by the Pakistan Council of Architects and Town Planners (PCATP), the firm boasts an impressive portfolio of over 500 completed projects, including more than 75 Master Plans and Land Use Plans spanning Punjab, Sindh, AJ&K, GB, and KP.

Leading the project on behalf of consortium is Dr. Qadeer, a distinguished professional with over 17 years of experience in urban and regional planning. Dr. Qadeer holds a Master's degree in Urban Planning from UET Lahore and a Ph.D. from NUST Islamabad, and his academic and professional credentials ensure a thoughtful, research-driven approach to sustainable planning.

PLAN'S OVERVIEW

The Land Use & Zoning Plan for District Vehari serves as a crucial framework for guiding the district's growth and development over the next two decades. As urbanization continues to intensify, Vehari has faced the challenge of operating without up-to-date planning documents since the expiration of its outline development plans for Burewala in 1973, Mailsi in 1984 and Vehari in 2014. The new Master Plan, developed under the legal framework provided by the Land Use Rules 2020, represents a critical step in re-establishing a structured, forward-looking approach to urban and rural development. This plan not only meets immediate developmental needs but also aligns with the broader vision of creating a "Smart Vehari" by promoting sustainable growth, integrating rural-urban dynamics, preserving the agricultural base, and advancing industrial potential. Designed with the active ownership and collaboration of the district government, this plan provides a holistic roadmap to shape the future of Vehari's economic and urban landscape.

Strategic Land Use Planning and Zoning

At the core of the district's Master Plan is a comprehensive land use analysis that examines existing land use patterns, urbanization trends, and rural-urban linkages. This analysis, based on both geospatial data and field surveys, provides a clear picture of the current situation and sets the foundation for future zoning decisions. The Land Use Classification Maps, developed in compliance with Chapter 4 (Sections 13-18) of the Land Use Rules 2020, present a zoning framework that balances urban expansion with the preservation of the district's rich agricultural heritage. These maps categorize the district's land into distinct zones: residential, commercial, industrial, and agricultural areas, ensuring that future development is both sustainable and equitable.

In particular, the zoning strategy has focused on urban expansion while safeguarding rural livelihoods and maintaining a stable agricultural base. This is achieved by creating Site Development Zones (SDZs), as per Chapter 5 (Sections 19-26) of the Land Use Rules 2020, that direct growth towards strategic areas of the district. By identifying zones for focused development, the plan avoids unchecked urban sprawl and promotes efficient land use across residential, commercial, and industrial sectors. Each zone is strategically located to enhance the district's competitiveness and ensure balanced economic growth.

Envisioning the Future: The Site Development Zone (SDZ) Structure Plan for 2043

Looking ahead, the Site Development Zone (SDZ) Structure Plan sets forth a strategic vision for Vehari, guiding its growth up to the year 2043. A key focus of the plan is densification, which ensures that Vehari can accommodate its projected population growth without sacrificing the quality of life for its residents. The plan promotes a more compact urban form, concentrating development within identified zones to optimize land use and infrastructure efficiency. By concentrating population density within urban cores, the district can better manage resources and services while limiting the environmental impact of urban sprawl.

The SDZ Structure Plan also includes the expansion of industrial zones and their alignment with the district's broader economic development objectives. The industrial areas have been thoughtfully planned to capitalize on Vehari's unique economic base, which is heavily dependent on agriculture, while also fostering industrial growth to diversify the local economy. These specialized zones will boost the district's

ability to attract investment, create jobs, and generate revenue, all while maintaining a balance between economic growth and environmental sustainability.

A major component of the SDZ Structure Plan is its integration with other regional development initiatives. This ensures that the district's development is not only internally cohesive but also aligned with broader regional efforts to create a well-connected, efficient urban fabric. Through this approach, the SDZ Structure Plan provides a roadmap for Vehari's transition into a modern, dynamic district that can support both its rural heritage and its growing urban population.

District-Level Integration: Connectivity, Housing, and Economic Development

The success of Vehari's future development hinges on the integration of several critical components: connectivity, housing, and economic development. The District Connectivity Plan is a cornerstone of this effort, aiming to improve transportation networks at three levels: inter-district, intra-district, and rural-urban linkages. By enhancing road infrastructure and connecting underdeveloped areas with major markets and urban centers, the plan ensures that the district remains integrated within regional and national economic networks. This focus on connectivity is particularly important for improving farm-to-market access, enabling agricultural products to reach broader markets more efficiently, thereby supporting both the local economy and rural livelihoods.

The plan also addresses the housing sector, which is critical to meeting the needs of a growing population. By analyzing current housing demand and supply, ownership trends, and housing patterns, the District Housing Strategy identifies key challenges and opportunities. The strategy aims to balance affordability, accessibility, and connectivity to social amenities, ensuring that the housing market can support sustainable growth without pricing out local residents.

Finally, the District Economic Development Strategy is designed to harmonize Vehari's economic activities across agriculture, industry, and commerce. The strategy identifies specialized economic zones, such as agro-processing areas and industrial zones, that leverage the district's natural and human resources. These zones will drive economic growth while maintaining the district's agricultural character, ensuring that Vehari remains competitive in both domestic and international markets.

Collectively, these initiatives form a cohesive framework for Vehari's future, positioning the district to achieve its vision of becoming a smart, sustainable, and economically independent region. Through strategic planning, data-driven decision-making, and stakeholder collaboration, the Land Use & Zoning Plan for Vehari offers a practical roadmap for sustainable growth, improved quality of life, and long-term economic resilience.

LIST OF ABBREVIATIONS

CBD	Central Business District
DC	District Council
EBA	Established Built-up Area
GDP	Gross Domestic Product
GoP	Government of Punjab
GRA	Growth Rate Analysis
HH	Household size
HQ	Headquarter
LC	Land cover
LG	Local Government
LG & CDD	Local Government and Community Development Department
LOPs	Layout Plans
LUC	Land Use Classification
MC	Metropolitan Corporation
MCC	Manual Classified Count
MCH	Mother Child Healthcare Centre
MICS	Multiple Indicator Cluster Surveys
MOP	Municipal Officer Planning
NH	National Highway
NRM	National Reference Manual
OD	Origin-Destination
ODP	Outline Development Plan
PBS	Pakistan Bureau of Statistics
PCP	Punjab Cities Project
PICIIP	Punjab Intermediate Cities Improvement Investment Program
PLG	Punjab Local Government

PLGA	**Punjab Local Government Act**
PMU	**Project Management Unit**
POIs	**Point of Interest**
ROW	**Right of Way**
SDZ	**Site Development Zone**
TC	**Town Committees**

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INTRODUCTION

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1.1 Vision and Objectives

The aim is to guide future growth by developing a comprehensive approach to land use and spatial planning. By conducting a detailed analysis of existing conditions and identifying potentials that will strengthen the economic sector, the studies will help to address the knowledge gap and build capacity of urban centers in each Tehsil of District Vehari.

The project covers both urban and rural areas of the district. Land use classification maps are developed at all local levels (District, Tehsil and Municipal Committee) while Site Development Zones (SDZs) Structure Plans are prepared in the Tehsil headquarters and identified potential Town Committees. Inclusion of the Town Committees and other major urban settlement was based on the criteria of population, growth rate, specialized development potential, its distance from the Vehari and Daska cities and stakeholder consultation. Further, the rural settlements, Addas and Villages identified by the concerned district administration are provided with Natural Growth Boundary keeping in view their current footprint and potential future requirement.

1.2 District Land Use & Zoning Plan

This District Land Use Plan involves detailed and systematic planning for land use at the Local Government (LG) level. The key components of this plan include land use classification, review of roads and site development zone.

The detailed classification maps have been created to outline and categorize different land uses within the district. These maps visually represent the designated purposes of various land parcels, such as residential, commercial, industrial, agricultural, and recreational areas. This classification aids in effective urban planning and zoning regulations. Each Local Government (LG) area within the district has been evaluated and provided with a Site Development Zone (SDZ) structure plan. This ensures that specific areas are designated for targeted development initiatives, focusing on economic growth, infrastructure improvement, and urban management. The plan also addresses the integration of commercial roads within the district. These roads are critical for the economic vitality of the district, ensuring accessibility to commercial hubs and markets.

The District Land Use & Zoning Plan also includes a District Connectivity Plan, highlighting farm-to-market roads, marking villages and settlements, natural growth boundaries in case of important villages, settlements or addas and identifying nullahs (water channels). These elements are integrated to create a cohesive, efficient, and sustainable development plan for the entire district, ensuring improved transportation, infrastructure, and resource management. This plan provides a clear framework for future development, ensuring that land is utilized efficiently and sustainably, aligning with the overall vision and goals of the district's development strategy.

1.3 Administrative Structure

Vehari District falls under Multan Division and it is one of 36 administrative districts within Punjab Province. The district has three Tehsils. Each Tehsil has both urban and rural areas. Urban centers are identified as Municipal Committee Vehari, Municipal Committee Burewala, and Municipal Committee Mailsi and 9 Town Committees as listed in the table below.

Table 1-1: Names of Local Governments

Sr. no.	Administrative Area	Population (2017 census)
1	District Council Vehari	2,442,082
2	Municipal Committee Vehari	145,647
3	Municipal Committee Burewala	232,030
4	Municipal Committee Mailsi	82,322

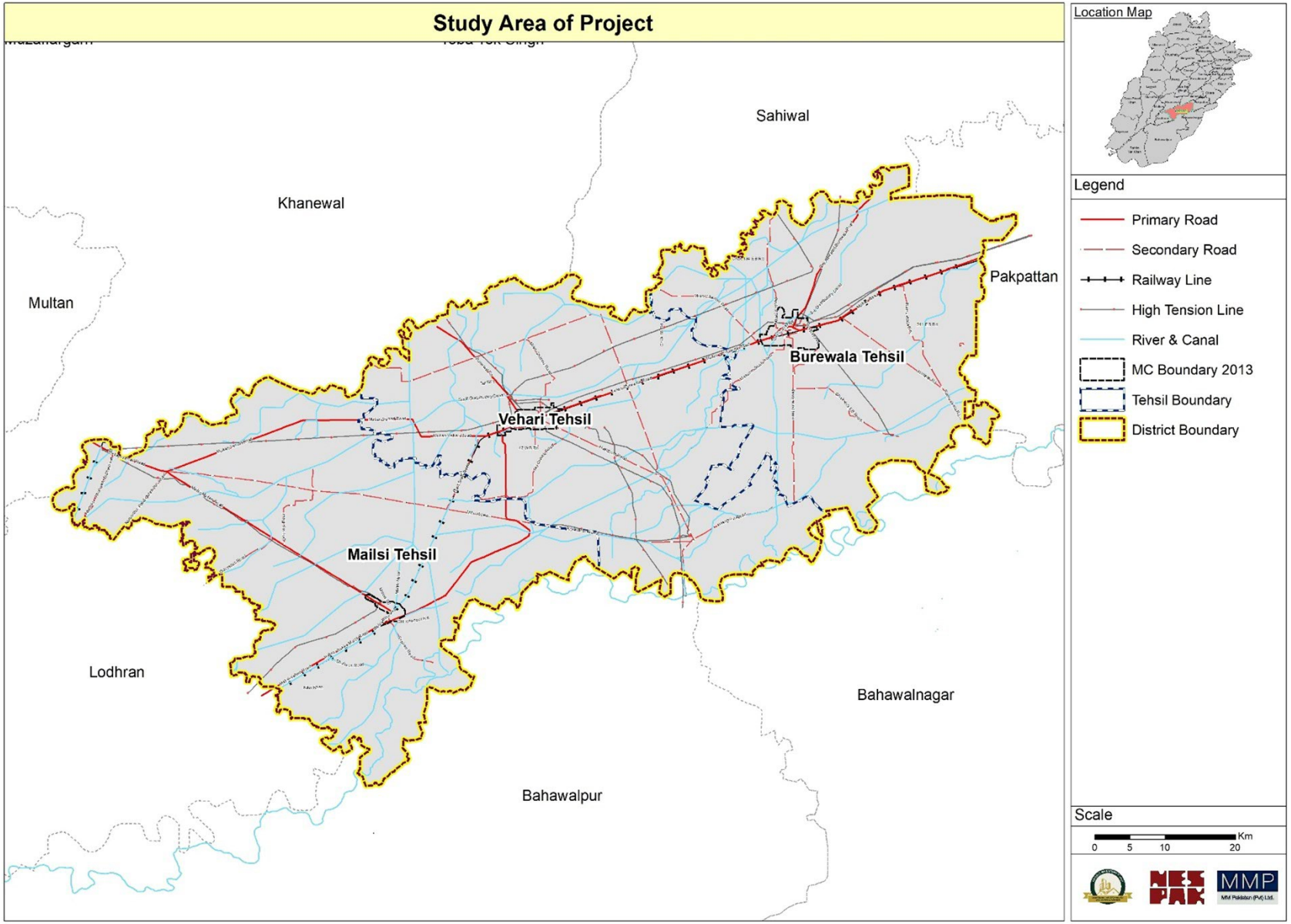
Table 1-2: Urban Settlements/Addas in District Council

Sr. no.	Status	Administrative Area	Population (2017 census)
1.	Urban Settlements	Town Committee Gaggo	45,078
2.		Town Committee Luddan	32,403
3.		Town Committee Garh Mor	31,706
4.		Town Committee Machiwal	26,437
5.		Town Committee Jalla Jeem	17,323
6.		Town Committee Tibba Sultanpur	14,789
7.		Town Committee Karampure	14,018
8.		Town Committee Mithru	10,067
9.	Adda Jaat	Dewan Sahab	9,108
10.		Adda Shahooka	8,453
11.		Adda Dalan Bangla	2,159
12.		Adda Chowk Metla	1,268
13.		Adda Katchi Pakki	4,006
14.		Adda Jamelra	2,212
15.		Adda Pipli	4,871
16.		Pulll Mohsin Shah	1,037
17.		Adda 27 Bhatha	10,028
18.		Adda 94/wb & 88/wb	2,630
19.		Adda Ratta Tibba	1,924
20.		Adda Pakhi Mor	5,311
21.		Adda Sheikh Fazil	4,773
22.		Adda quarter	409
23.		Adda Mana More	2,715
24.		Adda Dakota	12,231
25.		Thtingi Adda	8,461
26.		Adda Zaheerabad Shaheed	2,030

Key administrative and planning entities that are responsible for the administration of the district include:

The district has a rural-urban split of administration. Urban areas contain one District Council Vehari, and three Municipal Committees i.e, Vehari MC, Burewala MC and Mailsi MC. All the 'residual' area rural populations are administratively considered in district council jurisdiction. Cantonment boards operate under the control of the Military Lands & Cantonments Department in the Ministry of Defence.

Map 1: Administrative Boundaries Map of District Vehari



1.4 Review of Previous Plans

1.4.1 Outline Development Plan of Burewala (1973)

In 1973, ODP of Burewala was made, the plan includes detailed studies of road intersections, primary and secondary roads, bus terminals and railways.

1.4.1.1 Proposals

- **Population Growth Rate:** Assumed a 4.9% growth rate for future population projections up to 1989.
- **Density Analysis:** No specific figures or detailed analysis provided.
- **Land Use Pattern:** Mixed and irregular, lacking relation to the transportation system; no specific block-level distribution given.
- **Land Use Standards and Forecasts:** No systematic forecast for land use demand was included.
- **Zoning:** No zones proposed in the plan.
- **Transportation Network:**
  - Minimum right of way for major roads proposed to be 250 feet.
  - Improvement of Multan-Vehari Road, including a segregated traffic flow plan.
  - Link road proposed between Chichawatni and Arifwala roads.
  - Overhead bridge suggested near Babar Cinema, to be constructed in the second phase.
- **Industrial Establishments:** Proposed one industrial estate on Multan-Vehari Road, covering approximately 371 acres.
- **Trade & Commerce:** Decentralized commercial centers proposed in each planning division and lower-order commercial centers (neighborhood commercial and wholesale markets).
- **Housing:** Significant area earmarked for housing across all income groups, particularly low-income.
- **Social Services:**
  - **Education:** New sites to include playgrounds; expansion for institutions in future developments.
  - **Health:** Adoption of poly-clinics with one clinic per 50,000 persons; recommended area of 4-5 acres per clinic.
  - **Parks:** Utilization of existing spaces between residential blocks for parks.
- **Public Utilities:** Establishment of a new dumping ground along Vehari Road to address sanitation issues.
- **Regional Context:** Consideration of neighboring areas (Arifwala, Vehari, Chichawatni) in the development plan.
- **Programming & Phasing:** Implementation recommended in three phases, each spanning five years.
- **Appraisals:**
- **Land Use and Transportation:** Well-implemented, including land-use and transportation proposals.
- **Industrial Estate:** Not fully realized.
- **Transportation Projects:** Successful execution of new roads, road widening, and bypass roads.
- **Grain and Timber Market:** Established as per the plan's vision.
- **Education and Health Services:** Adequate site allocation for institutions; suggested poly-clinics have been considered.
- **Phased Implementation:** Systematic execution of developments in five-year intervals.

1.4.2 Outline Development Plan of Mailsi (1984-2009)

The ODP of Mailsi was prepared in 1984 which was valid till 2009. Part 1 of the plan included a detailed study of the existing transportation network. Major roads, minor roads and road intersections were taken as survey points to conduct the study. Below table shows the proposals that were given in details.

1.4.2.1 Proposals:

- **Population Growth Rate:** Projected future population growth at a 4.9% rate up to 2009.
- **Density Analysis:** No density analysis or relevant figures provided.
- **Land Use Pattern:** Mixed and irregular; no block-level land use distribution provided.
- **Land Use Standards and Forecasts:** No systematic forecast available for future land use demand.

- **Zoning:** No zoning proposals included.
- **Housing:** Significant areas earmarked for housing across all income groups, with particular focus on low-income housing.
- **Industrial Establishments:**
  - 72 acres allocated for agro-based industries along Multan Road.
  - Strategic industries discouraged along major routes.
- **Trade & Commerce:**
  - Hierarchy of Commercial Centers:
  - Central Business District: Liaquat Road Bazar, Circular Road, Railway Road Bazar.
  - Local Commercial Centers: Colony Chowk, Mitro Road, Multan Road.
  - Specialized Markets: Grain Market, Vegetable Market.
- **Transportation Network:**
  - Improvement needed for primary roads: Multan Road, Mitro Road, Vehari Road.
  - Proposed minimum right of way for new major roads: 80 to 100 feet.
  - Five new major roads proposed.
- **Education:**
  - Establishment of new educational facilities including high schools for both boys and girls, a primary school, and a girls' college.
  - Addressing educational gaps for females by providing local facilities.
- **Health:**
  - Addition of 450 beds to existing facilities.
  - Establishment of four new clinics in community centers, with one acre allocated per clinic.
  - Improvement and expansion of existing healthcare facilities, including encouragement of private hospitals/clinics.
- **Parks:**
  - Proposal for a city park (20-25 acres) along the railway track.
  - Development of small parks in available spaces along Vehari Road and the distributary.
  - Proposal for a larger sports complex (12-15 acres) for hockey, football, and cricket.
- **Public Utilities:**
  - Trunk sewer system nearing completion, with operation anticipated in 1934.
  - Extension sewerage scheme (11.83 km) awaiting government approval.
- **Programming & Phasing**: Implementation recommended in five phases, each spanning five years.
- **Appraisals:**
  - Land Use and Transportation: Successful implementation in land use and transportation improvements.
  - Roads: New roads and road widening effectively executed, contributing to better infrastructure.
  - Bypass Roads: Successful establishment of the bypass linking Vehari Road with Mitro Road; however, the bypass connecting Multan Road, Kahror Pacca Road, and Vehari Road remains undeveloped.
  - Grain and Timber Market: Successfully established as per the plan.
  - Road Junctions: Enhancement of road junctions like Level Crossing Chowk, Colony Chowk, and Hospital Chowk successfully executed.
  - Bus Stand Relocation: The proposed relocation of the bus stand at Mitro Road has not been implemented.

Overall, the ODP for Mailsi has seen successful execution in several areas, particularly in transportation infrastructure and land use, though some proposals, such as certain bypass roads and bus stand relocation, remain pending.

1.4.3 Outline Development Plan Vehari (2014-2039)

In 2014, ODP of Vehari was made which is currently active. The plan includes detailed studies of road intersections, primary and secondary roads, bus terminals and railways.

1.4.3.1 Proposals:

- **Population Growth Rate**: Projected future population growth at a 3.36% rate up to 2039.
- **Density Analysis**: No density analysis provided in the document.
- **Land Use Pattern:**
  - Mixed land uses with residential and commercial areas integrated.
  - Detailed land use breakup provided, but no specific block-level land use distribution.
- **Land Use Standards and Forecasts:**
  - Systematic forecasts and area calculations for various land uses included, identifying gaps between existing and proposed uses.
- **Zoning:**
  - New zones proposed for residential, commercial, industrial, educational, open spaces, undeveloped housing schemes, and road networks.
- **Peculiar Features:**
  - Improvement and widening of key roads: Multan-Burewala Road, Khanewal Road, Hasilpur-Luddan Road.
  - Increase in labor participation in industrial areas proposed from 0.17% to 3%.
  - Consideration of Vehari's role as a district headquarters and regional center.
  - Proper distribution of social services and commercial activities.
  - Preservation of fruit gardens.
- **Trade & Commerce:**
  - Decentralized approach with commercial centers in each planning division.
  - Development of lower-order commercial centers, including neighborhood and wholesale markets.
- **Industrial Establishments:**
  - Industrial Estate of 251 acres proposed by the Punjab Industrial Estate Development and Management Company, located 8 km from Khanewal Chowk.
- **Transportation Network:**
  - New 220 feet ROW Bypass Road proposed for improved accessibility.
  - New bus and wagon stand proposed to reduce congestion in the central business district (CBD).
  - Enhancement of pedestrian footpaths.
  - Minimum right of way for major roads proposed at 220 feet.
  - Timings for high-order traffic entry specified.
- **Social Services:**
  - **Education:**
    - Increase in primary school facilities.
    - Improvement of existing school buildings and provision of playgrounds.
    - Encouragement of private sector involvement in education.
  - **Health:**
    - Upgrade existing hospital facilities.
    - Encourage private sector contributions.
    - Establishment of adequate dispensaries and polyclinics in neighborhood centers.
  - **Parks:**
    - Minimum standard of 1 acre per 1000 population proposed.
    - 100-acre public park next to Bahauddin Zakaria University campus along Khanewal Road.
    - Additional 202 acres for open spaces and parks in residential areas.
- **Public Utilities:**
  - **Water Supply:**
    - Increase operational time and install permanent chlorinators.
    - Prevent unauthorized connections and introduce metering to reduce wastage.
  - **Sewerage:**
    - Upgradation scheme for sewer pipes and periodic cleaning.
    - Ensure private developers provide sewerage facilities in housing schemes.

- **Programming & Phasing:**
  - Implementation divided into five phases, each spanning five years.
- **Institutional Arrangement:**
  - Managed by the Housing & Physical Planning Department, Government of Punjab.

1.4.3.2 Appraisals:

- **Overall Implementation:**
  - Phase Progress: The ODP is currently in its second phase, with minor projects being executed and the rest planned for future years.
  - Road Improvements: Successful increase in metalled width, construction of footpaths, and removal of encroachments on major roads including Multan-Burewala, Khanewal, and Hasilpur Roads.
  - Education and Health Services: Allocation of standardized site areas for institutions, and proposals for polyclinics and improved health facilities are progressing.
  - Transportation: Effective handling of transportation challenges through road improvements and new infrastructure.
  - Planning and Development: The phased implementation plan demonstrates a commitment to systematic development, aiming for balanced, sustainable, and regionally integrated growth.

Overall, the ODP for Vehari 2014-2039 has seen successful implementation in several key areas, including transportation and infrastructure improvements, with ongoing efforts in education and health services. The plan is on track with its phased approach and strategic vision for urban growth.

CHAPTER 2

LAND USE CLASSIFICATION

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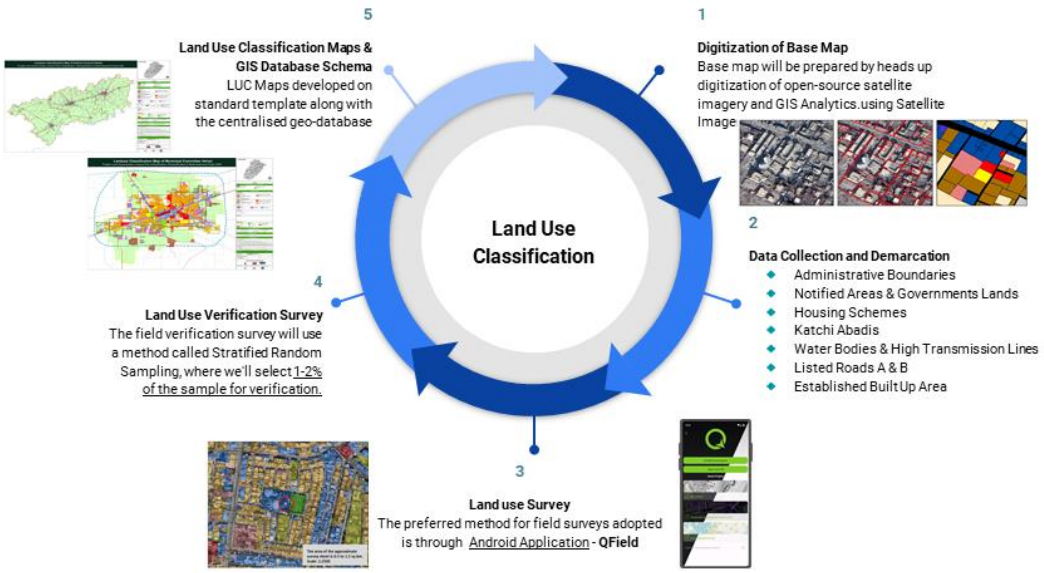
LAND USE CLASSIFICATION

2.1 Process of Land Use Classification

The land use classification map has been prepared by following the procedure illuminated in the figure below:

Figure 2-1: Process of Land Use Classification



2.2 Land Use Classification of Local Government s

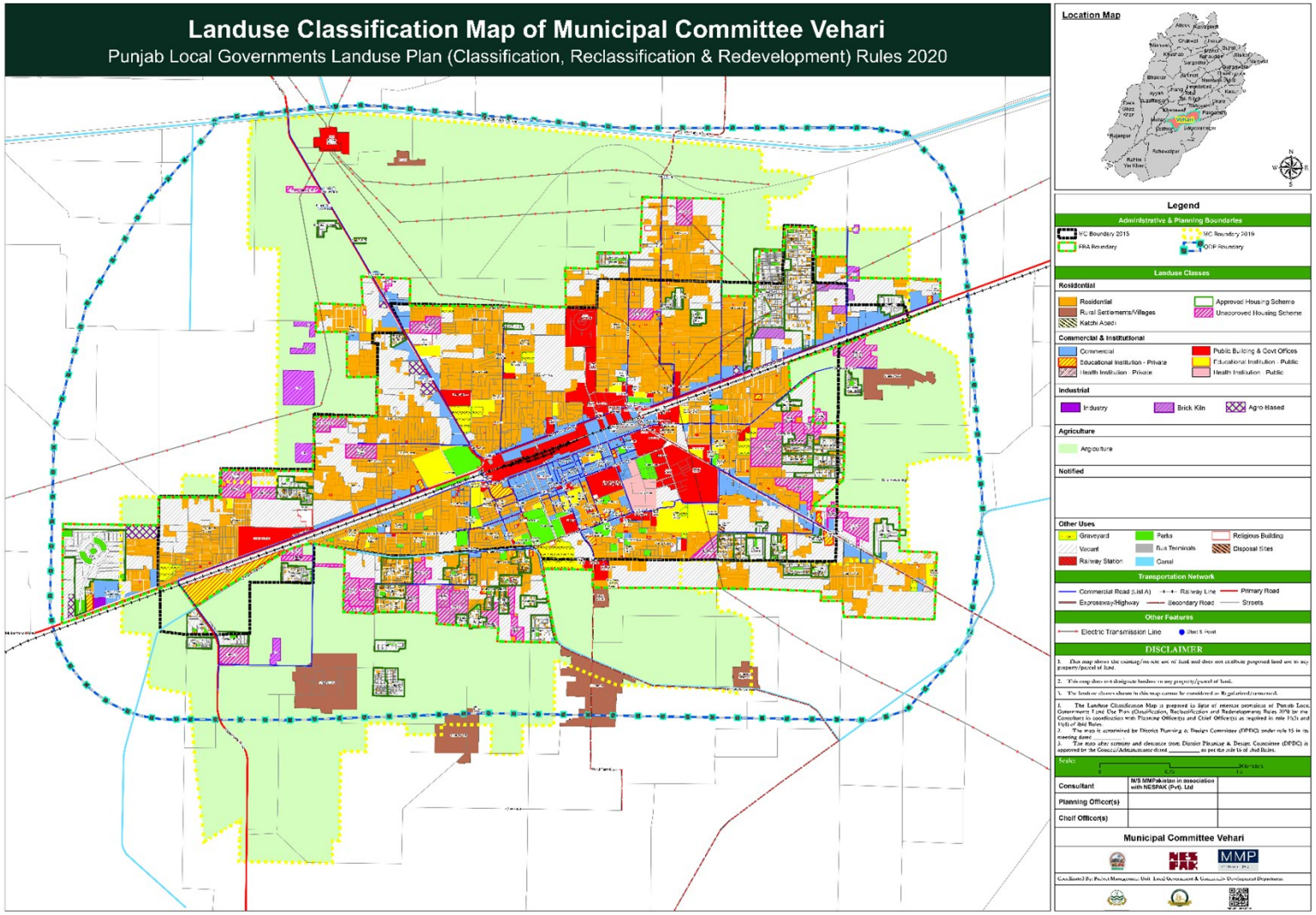
Local government is organized under a framework provided by the Punjab Local Government Act (PLGA 2022). The PLGA is administered by the provincial Local Government and Community Development Department (LG&CD) Department, which is responsible for implementing the local government system in Punjab as well as the financing and staffing of administrative set-ups at the district and municipal levels.

Vehari district's administrative authority is held by the deputy commissioner, who is responsible for coordinating and working with the respective local governments. Four local governments are in place in the district; District Council, Municipal Committee Vehari, Municipal Committee Burewala, and Municipal Committee Mailsi.

2.2.1 Municipal Committee Vehari

A. Municipal Committee Vehari Land Use Classification Map,

Map 2: Land Use Classification of Municipal Committee Vehari



B. Land Use Distribution, Municipal Committee Vehari

Table 2-1: Municipal Committee Vehari Land Use Distribution

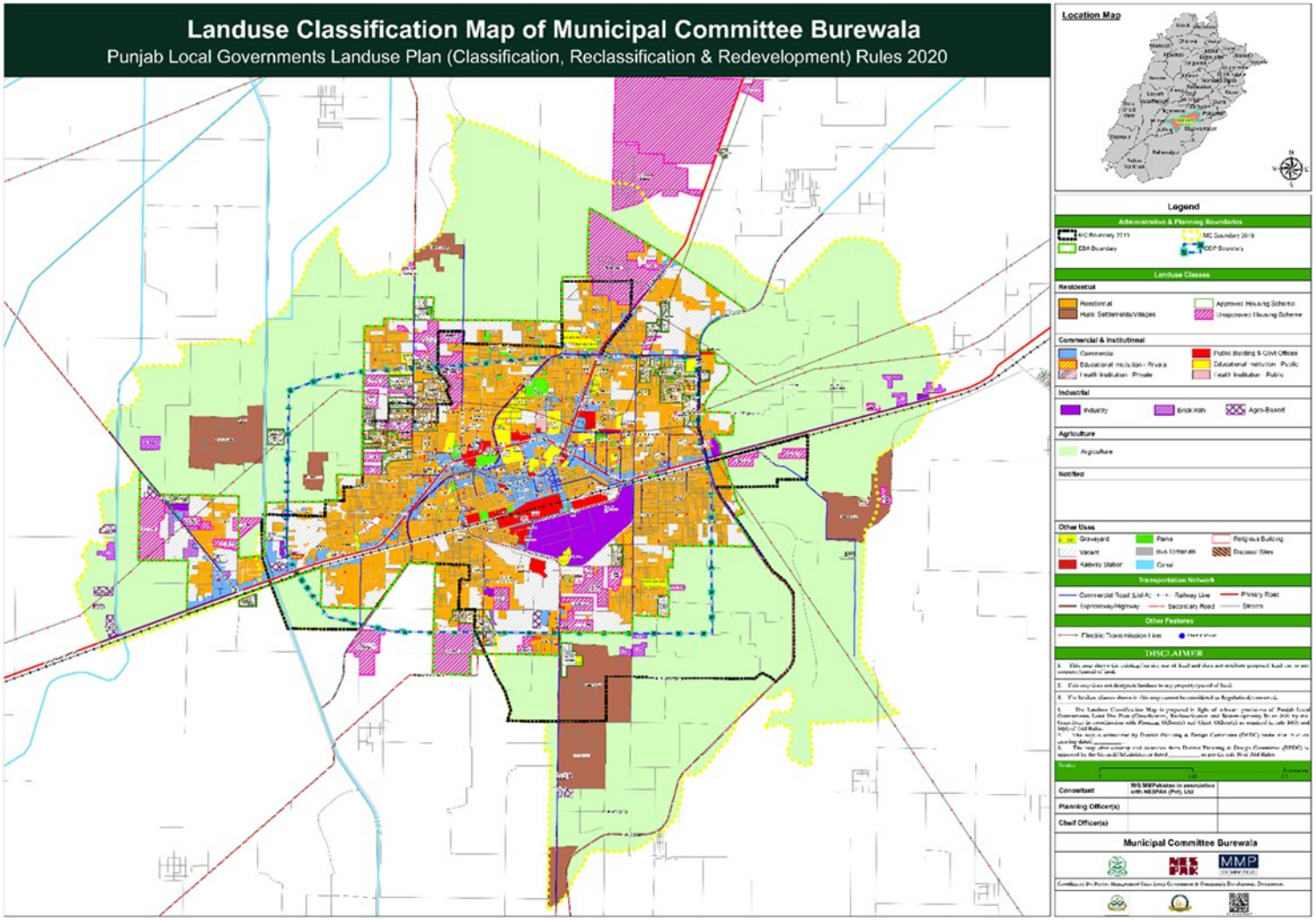
Land Use Classes & Sub-classes		Total EBA Area		MC (Inside EBA)		MC (Outside EBA)		Total MC	
		Area (Acres)	%Age	Area (Acres)	%Age	Area (acre)	Area (Acres)	%Age	Area (Acres)
Sub-classes	Residential	2260.3	38.74%	1573.7	37.60%	8.5	2.50%	1582.2	35.00%
	Rural Settlements	6.0	0.10%	-	-	0.1	0.02%	0.1	0.00%
	Katchi Abadis	-	-	-	-	-	-	-	-
Residential Class:		**2266.3**	**38.84%**	**1573.7**	**37.65%**	**8.6**	**2.54%**	**1582.3**	**35.01%**
Sub-classes	Commercial	362.7	6.22%	316.8	7.60%	0.9	0.30%	317.8	7.00%
	Educational Institution (Public)	151.4	2.59%	144.0	3.40%	4.2	1.20%	148.2	3.30%
	Educational Institutions (Private)	73.9	1.27%	60.7	1.50%	-	-	60.7	1.30%
	Health Institutions (Public)	32.6	0.56%	32.6	0.80%	-	-	32.6	0.70%
	Health Institutions (Private)	7.4	0.13%	6.3	0.20%	-	-	6.3	0.10%
	Religious Building	21.6	0.37%	18.2	0.40%	-	-	18.2	0.40%
	Public Buildings & Govt. Offices	346.8	5.94%	335.6	8.00%	8.1	2.40%	343.7	7.60%
Commercial (including institutional) Class:		**996.5**	**17.08%**	**914.2**	**21.87%**	**13.2**	**3.90%**	**927.4**	**20.52%**
Sub-classes	Industrial	3.2	0.05%	-	-	-	-	-	-
	Brick Kilns	24.1	0.41%	22.6	0.50%	-	-	22.6	0.50%
	Agro-based Industry	34.1	0.58%	17.2	0.40%	-	-	17.2	0.40%
Industrial Class:		**61.3**	**1.05%**	**39.7**	**0.95%**	**-**	**-**	**39.7**	**0.88%**
Sub-classes	Cultivable (Seasonal & Permanent)	-	-	-	-	317.1	93.50%	317.1	7.00%
Agriculture Class:		**-**	**-**	**-**	**-**	**317.1**	**93.53%**	**317.1**	**7.02%**
	Government Land	-	-	-	-	-	-	-	-
Notified Land uses Class:		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Others	Graveyard	67.4	1.16%	55.8	1.30%	-	-	55.8	1.20%
	Bus Terminal	7.2	0.12%	7.2	0.20%	-	-	7.2	0.20%
	Parks	155.6	2.67%	137.9	3.30%	-	-	137.9	3.10%
	Vacant Area	1403.7	24.06%	802.9	19.20%	-	-	802.9	17.80%
	Canals	4.2	0.07%	0.2	-	-	-	0.2	-
	Disposal Site	3.6	0.06%	3.6	0.10%	-	-	3.6	0.10%
	Railway Station	0.5	0.01%	0.5	0.01%	-	-	0.5	-
	Transportation Network	868.7	14.89%	514.3	12.70%	3.1	0.90%	517.4	11.80%
Others:		**2510.9**	**43.03%**	**1522.4**	**37.59%**	**3.1**	**0.91%**	**1525.5**	**34.73%**
Total Area (acres)		**5,835**	**100%**	**4,050**	**100%**	**342.0**	**100%**	**4,392**	**100%**

Note: The boundary of MC Vehari, as notified in 2013, has been used for calculations. The total Established Built-up Area (EBA) includes both the EBA within the limits of MC and the EBA extending beyond those limits.

2.2.2 Municipal Committee Burewala

A. MC Burewala Land Use Classification Map

Map 3: Land Use Classification of Municipal Committee Burewala



B. Land Use Distribution, Municipal Committee Burewala

Table 2-2: Municipal Committee Burewala Land Use Distribution

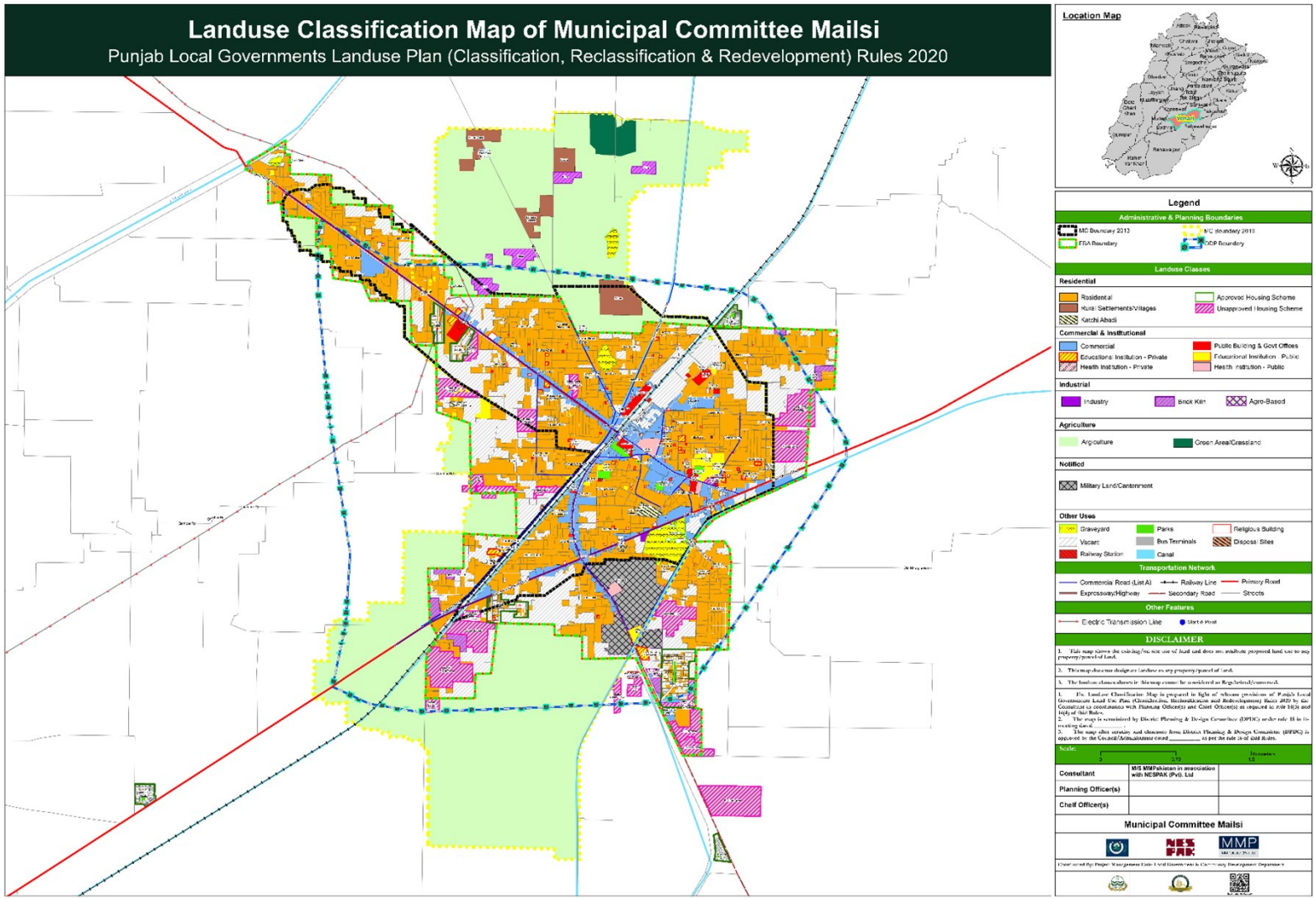
Land Use classes & sub-classes		EBA		MC (Inside EBA)		MC (Outside EBA)		MC Total	
		Area (acre)	%Age	Area (acre)	%Age	Area (acre)	%Age	Area (acre)	%Age
Sub-classes	Residential	2903.5	46.19%	2191.0	47.30%	11.5	0.70%	2202.6	34.50%
	Rural Settlements	1.1	0.02%	1.1	-	206.5	11.80%	207.6	3.30%
	Katchi Abadis	-	-	-	-	-	-	-	-
Residential Class Total:		**2904.6**	**46.21%**	**2192.2**	**47.33%**	**218.0**	**12.44%**	**2410.2**	**37.76%**
Sub-classes	Commercial	364.5	5.80%	294.4	6.40%	9.0	0.50%	303.4	4.80%
	Educational Institution (Public)	115.8	1.84%	105.3	2.30%	-	-	105.3	1.70%
	Educational Institutions (Private)	37.3	0.59%	33.7	0.70%	-	-	33.7	0.50%
	Health Institutions (Public)	9.8	0.16%	9.8	0.20%	-	-	9.8	0.20%
	Health Institutions (Private)	4.1	0.06%	3.5	0.10%	-	-	3.5	0.10%
	Religious Building	18.1	0.29%	15.4	0.30%	-	-	15.4	0.20%
	Public Buildings & Govt. Offices	137.0	2.18%	134.6	2.90%	-	-	134.6	2.10%
Commercial (including institutional) Class Total:		**686.6**	**10.92%**	**596.7**	**12.89%**	**9.0**	**0.51%**	**605.7**	**9.49%**
Sub-classes	Industrial	328.2	5.22%	315.9	6.80%	-	-	315.9	4.90%
	Brick Kilns	27.6	0.44%	5.0	0.10%	41.3	2.40%	46.3	0.70%
	Agro-based Industry	23.3	0.37%	15.9	0.30%	-	-	15.9	0.20%
Industrial Class:		**379.1**	**6.03%**	**336.8**	**7.27%**	**41.3**	**2.36%**	**378.2**	**5.92%**
Sub-classes	Cultivable (Seasonal & Permanent)	-	-	-	-	1478.3	84.40%	1478.3	23.20%
Agriculture Class:		**-**	**-**	**-**	**-**	**1478.3**	**84.38%**	**1478.3**	**23.16%**
Others	Graveyard	70.9	1.13%	68.1	1.50%	-	-	68.1	1.10%
	Bus Terminal	1.6	0.02%	1.6	0.03%	-	-	1.6	0.03%
	Parks	90.5	1.44%	73.6	1.60%	-	-	73.6	1.20%
	Vacant Area	1176.2	18.71%	596.7	12.90%	-	-	596.7	9.30%
	Canals	16.1	0.26%	11.8	0.30%	-	-	11.8	0.20%
	Disposal Site	3.5	0.06%	3.5	0.10%	3.2	0.20%	6.7	0.10%
	Railway Station	0.3	-	0.3	0.01%	-	-	0.3	0.01%
	Transportation Network	956.8	15.22%	351.9	8.30%	2.2	0.10%	354.0	5.90%
Others:		**2315.8**	**36.84%**	**1107.5**	**26.16%**	**5.3**	**0.30%**	**1112.8**	**18.59%**
Total Area (acres)		**6286.2**	**100%**	**4233.2**	**100%**	**1752.0**	**100%**	**5985.2**	**100%**

Note: The boundary of MC Burewala, as notified in 2013, has been used for calculations. The total Established Built-up Area (EBA) includes both the EBA within the limits of MC and the EBA extending beyond those limits.

2.2.3 Municipal Committee Mailsi

A. Municipal Committee Mailsi Land Use Classification Map

Map 4: Land Use Classification of Municipal Committee Mailsi



B. Land Use Distribution, Municipal Committee Mailsi

Table 2-3: Municipal Committee Mailsi Land Use Distribution

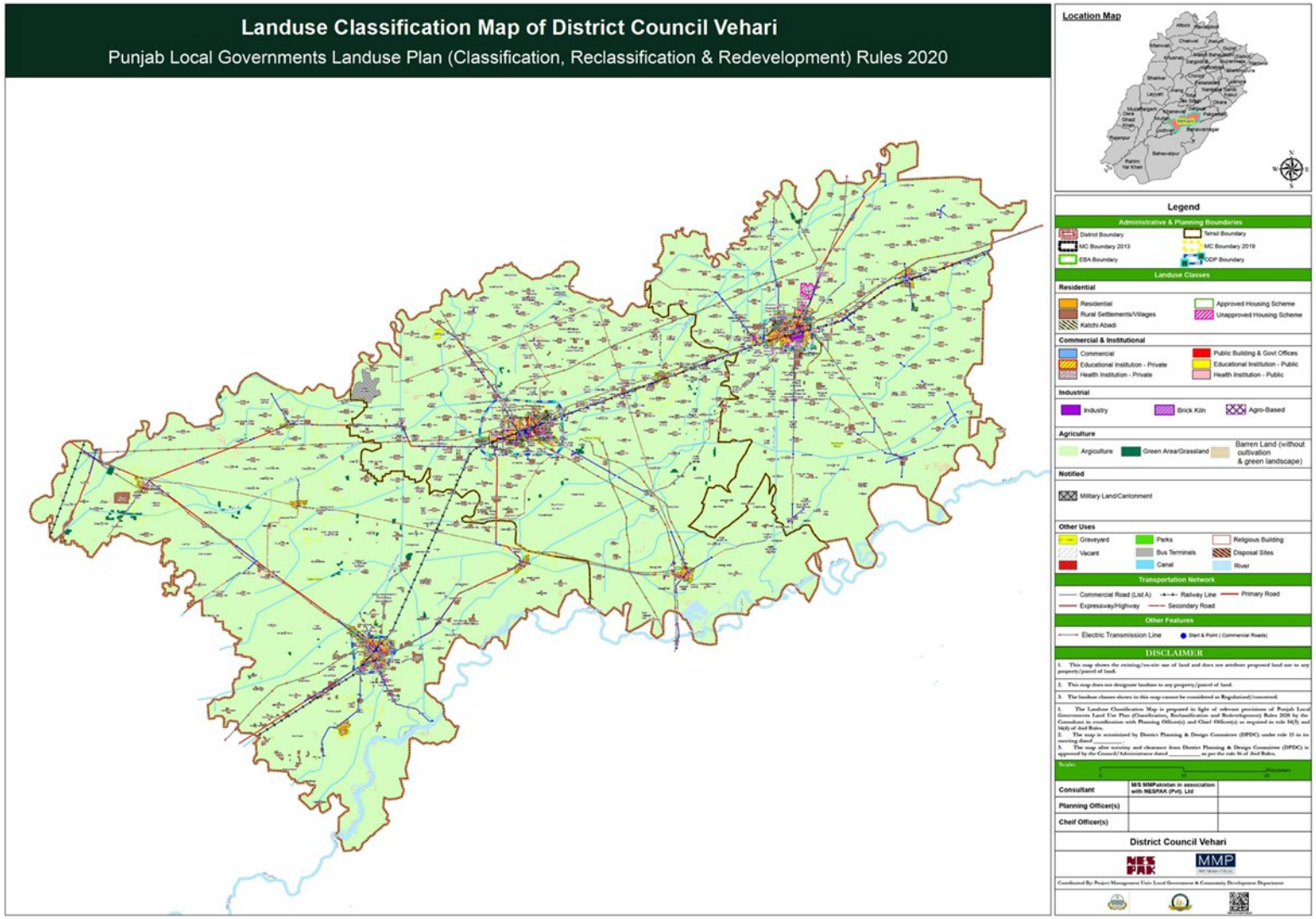
Land Use classes & sub-classes		EBA		MC (Inside EBA)		MC (Outside EBA)		MC Total	
		Area (acre)	%Age	Area (acre)	%Age	Area (acre)	%Age	Area (acre)	%Age
Sub-classes	Residential	1485.3	47.56%	909.3	50.50%	3.5	1.80%	912.8	45.80%
	Rural Settlements	11.1	0.36%	-	-	31.5	16.40%	31.5	1.60%
Residential Class Total:		**1496.4**	**47.91%**	**909.3**	**50.50%**	**35.0**	**18.23%**	**944.3**	**47.39%**
Sub-classes	Commercial	210.3	6.73%	192.4	10.70%	1.1	0.60%	193.6	9.70%
	Educational Institution (Public)	30.6	0.98%	20.4	1.10%	-	-	20.4	1.00%
	Educational Institutions (Private)	18.8	0.60%	13.0	0.70%	-	-	13.0	0.70%
	Health Institutions (Public)	12.3	0.39%	9.0	0.50%	-	-	9.0	0.50%
	Health Institutions (Private)	3.4	0.11%	3.4	0.20%	-	-	3.4	0.20%
	Religious Building	12.1	0.39%	10.4	0.60%	-	-	10.4	0.50%
	Public Buildings & Govt. Offices	28.5	0.91%	28.5	1.60%	-	-	28.5	1.40%
Commercial (including institutional) Class Total:		**316.1**	**10.12%**	**277.1**	**15.39%**	**1.1**	**0.59%**	**278.3**	**13.96%**
Sub-classes	Industrial	1.4	0.04%	1.4	0.10%	-	-	1.4	0.10%
	Brick Kilns	24.9	0.80%	0.1	0.01%	4.2	2.20%	4.4	0.20%
Industrial Class Total:		**26.3**	**0.84%**	**1.5**	**0.09%**	**4.2**	**2.20%**	**5.8**	**0.29%**
Sub-classes	Cultivable (Seasonal & Permanent)	-	-	-	-	149.6	77.90%	149.6	7.50%
Agriculture Class Total:		**-**	**-**	**-**	**-**	**149.6**	**77.90%**	**149.6**	**7.51%**
Sub-classes	Military Land / Cantonment	107.3	3.44%	0.6	0.03%	-	-	0.6	0.03%
Notified Land uses Class Total:		**107.3**	**3.44%**	**0.6**	**0.03%**	**-**	**-**	**0.6**	**0.03%**
Others	Graveyard	44.3	1.42%	40.2	2.20%	-	-	40.2	2.00%
	Bus Terminal	0.5	0.02%	0.5	0.03%	-	-	0.5	0.03%
	Parks	10.9	0.35%	9.3	0.50%	-	-	9.3	0.50%
	Vacant Area	786.6	25.19%	366.5	20.30%	-	-	366.5	18.40%
	Canals	14.2	0.45%	3.5	0.20%	-	-	3.5	0.20%
	Disposal Site	0.7	0.02%	0.1	0.01%	-	-	0.1	0.01%
	Railway Station	0.5	0.02%	0.5	0.03%	-	-	0.5	0.03%
	Transportation Network	319.4	10.23%	191.7	10.60%	2.1	1.10%	193.7	9.70%
Others Total:		**1177.1**	**37.69%**	**612.2**	**34.00%**	**2.1**	**1.08%**	**614.3**	**30.83%**
Total Area (acres)		**3123.2**	**100.00%**	**1800.8**	**100.00%**	**192.0**	**100.00%**	**1992.8**	**100.00%**

Note: The boundary of MC Mailsi, as notified in 2013, has been used for calculations. The total Established Built-up Area (EBA) includes both the EBA within the limits of MC and the EBA extending beyond those limits.

2.2.4 District Council Vehari

A. District Council Land Use Classification Map

Map 5: Land Use Classification of District Council Vehari



B. Land Use Distribution, District Council Vehari

Table 2-4: District Council Vehari Land Use Distribution

Land Use Classes & Sub-classes		EBA MC Vehari (Inside DC)		EBA MC Burewala (Inside DC)		EBA MC Mailsi (Inside DC)		All Other EBAs Inside District Council		District Council (Outside EBA)		District Council Total	
		Area (acre)	%Age	Area (acre)	%Age	Area (acre)	%Age	Area (acre)	%Age	Area (acre)	%Age	Area (acre)	%Age
Sub-classes	Residential	686.6	24.0%	712.5	24.7%	576.0	24.3%	1737.2	52.5%	228.9	0.001%	3941.2	0.4%
	Rural Settlements	6.0	0.2%	-	-	11.1	0.5%	-	-	33181.2	3.2%	33198.3	3.1%
Residential Class:		**692.6**	**24.2%**	**712.5**	**24.7%**	**587.1**	**24.8%**	**1737.2**	**52.6%**	**33410.1**	**3.2%**	**37139.5**	**3.5%**
Sub-classes	Commercial	45.9	1.6%	70.1	2.4%	17.9	0.8%	235.6	7.1%	96.9	0.0%	466.4	0.0%
	Educational Institution - Public	7.4	0.3%	10.5	0.4%	10.2	0.4%	48.4	1.5%	34.9	0.0%	111.4	0.0%
	Educational Institution - Private	13.3	0.5%	3.6	0.1%	5.8	0.2%	12.0	0.4%	3.8	0.0%	38.5	-
	Health Institution - Public	-	-	-	-	3.3	0.1%	22.9	0.7%	7.2	0.0%	33.3	0.0%
	Health Institution - Private	1.1	-	0.6	-	-	-	6.2	0.2%	-	-	7.9	0.0%
	Religious Building	3.4	0.1%	2.8	0.1%	1.7	0.1%	16.4	0.5%	2.6	0.0%	26.9	-
	Public Buildings & Govt. Offices	11.2	0.4%	2.3	0.1%	-	-	29.8	0.9%	41.2	0.0%	84.5	0.0%
Commercial (including institutional) Class:		**82.3**	**2.9%**	**89.9**	**3.1%**	**38.9**	**1.6%**	**371.2**	**11.2%**	**186.6**	**0.0%**	**768.8**	**0.1%**
Sub-classes	Industrial	3.2	0.1%	12.2	0.4%	-	-	14.6	0.4%	18.2	0.0%	48.3	-
	Kilns	1.5	0.1%	22.6	0.8%	24.8	1.0%	86.5	2.6%	575.2	0.1%	710.5	0.1%
	Agro-based Industry	16.9	0.6%	7.5	0.3%	-	-	0.3	-	402.1	0.0%	426.8	0.0%
Industrial Class:		**21.6**	**0.8%**	**42.3**	**1.5%**	**24.8**	**1.1%**	**101.5**	**3.1%**	**995.4**	**0.1%**	**1185.5**	**0.1%**
Sub-classes	Agriculture	-	-	-	-	-	-	-	-	1010747.0	96.2%	1010747.0	95.2%
	Tree Cover	-	-	-	-	-	-	-	-	3253.0	0.3%	3253.0	0.3%
	Barren Land	-	-	-	-	-	-	-	-	-	-	-	-
Agriculture Class:		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1014000.0**	**96.5%**	**1014000.0**	**95.5%**
Sub-classes	Military Lands/Cantonment	-	-	-	-	106.7	4.5%	-	-	1871.9	0.2%	1978.6	0.2%
Notified Land uses Class:		**-**	**-**	**-**	**-**	**106.7**	**4.5%**	**-**	**-**	**1871.9**	**0.2%**	**1978.6**	**0.2%**
Others	Graveyard	11.6	0.4%	2.8	0.1%	4.1	0.2%	102.8	3.1%	258.0	0.0%	379.3	-
	Bus Terminals	-	-	-	-	-	-	0.1	0.0%	0.5	0.0%	0.6	-
	Parks	17.7	0.6%	16.9	0.6%	1.6	0.1%	11.9	0.4%	-	-	48.2	-

Land Use Classes & Sub-classes		EBA MC Vehari (Inside DC)		EBA MC Burewala (Inside DC)		EBA MC Mailsi (Inside DC)		All Other EBAs Inside District Council		District Council (Outside EBA)		District Council Total	
		Area (acre)	%Age	Area (acre)	%Age	Area (acre)	%Age	Area (acre)	%Age	Area (acre)	%Age	Area (acre)	%Age
	Vacant Area	600.8	21.0%	579.4	20.1%	420.2	17.7%	980.3	29.7%	0.6	0.0%	2581.4	0.2%
	Water Bodies	4.1	0.1%	-	-	-	-	-	-	-	-	4.1	-
	Disposal Sites	-	-	-	-	0.6	0.0%	0.3	0.0%	3.4	0.0%	4.3	-
	Railway Station	-	-	-	-	-	-	0.9	0.0%	-	-	0.9	-
	Transportation Network	1430.6	50.0%	1443.8	50.0%	1184.0	50.0%	-	-	-	-	4058.4	0.4%
Others:		**2,065**	**72.2%**	**2,043**	**70.8%**	**1,611**	**68.0%**	**1,096**	**33.2%**	**263**	**0.0%**	**7,077**	**0.7%**
Total Area		**2,861**	**100%**	**2,888**	**100%**	**2,368**	**100%**	**3,306**	**100%**	**1,050,727**	**100%**	**1,062,150**	**100%**

Note: The boundaries of Municipal Committees, as notified in 2013, have been used for calculations. The Established Built-up Areas (EBAs) extending beyond the MC boundaries includes areas that fall under the jurisdiction of the District Council (DC).

2.3 Urban Blocks of District Vehari

The Established Built-up Area (EBA) of each Local Government has been divided into urban blocks, with each block classified as residential, commercial, industrial, and notified based on the predominant land use in accordance with the Punjab Local Governments Land Use Plan (Classification, Reclassification, and Redevelopment) Rules 2020. A summary of urban blocks in District Vehari is provided below. For detailed information on each urban block, please refer to the notified plan:

Table 2-5: Block Level Land Use Classification of District Vehari

Sr. No.	Local Government	Residential	Commercial	Industry	Notified
Municipal Committees	Burewala	2093	220	7	-
	Vehari	1696	139	7	-
	Mailsi	756	76	2	1

Note: If a land use is marked as non-conforming in urban block maps based on the predominant land use, it may be treated as per its designated use in the previously notified Outline Development Plan (ODP).

CHAPTER 3

SITE DEVELOPMENT ZONE STRUCTURE PLAN (2023-2043)

District Land Use & Zoning Plans
for Local Governments in Punjab

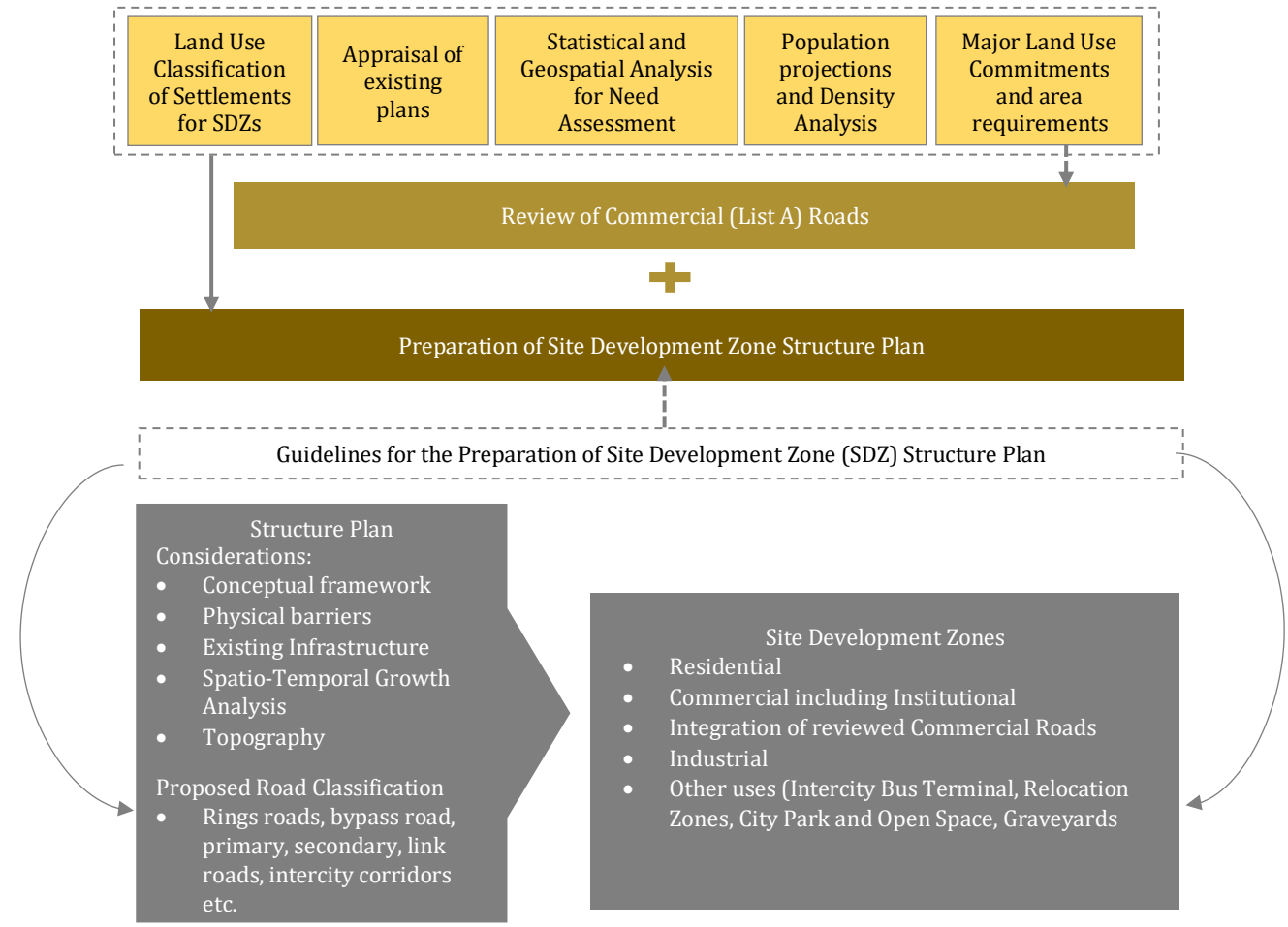
CHAPTER 3
SITE DEVELOPMENT ZONE STRUCTURE PLAN (2023-2043)

3.1 Process

The Site Development Zone (SDZ) Structure Plan for the urban settlements of District Vehari has been prepared according to Land Use Rules. Preparation process includes the following: A density analysis of the EBA was conducted to determine the current density. Keeping in view the density trends and population growth rate, the future density has been planned for a period of 2023-2043. The planned density was determined the total city area needed by 2043, which has been allocated across various zones based on the land use analysis in EBAs while fulfilling the current gaps where necessary. The proposed land use zones have been provided with the spatial understanding of the location of the existing road network, compatibility between the land uses and planning principles. A road network was proposed to form the city structure and guide the future development prior to demarcation of zones.

The following interdependent activities made the process interactive in order to achieve the set goals through data driven plans followed by inputs from concerned Local Governments and stakeholders eventually leading to an inclusive plan:

Figure 3-1: Process and Components of Site Development Zone Structure Plan



3.2 Site Development Zone (SDZ) Structure Plan

Breaking down the distribution, Tehsil Vehari contains 9 EBAs, comprising one for MC Vehari, two for town committees, and 6 for addas, each with its associated Site Development Zone (SDZ). Tehsil Mailsi boasts 10 EBAs, inclusive of 1 for MC, 5 for town committees, and 4 for addas, each with its dedicated SDZ. Similarly, Tehsil Burewala also presents 10 EBAs, encompassing 1 each for MC and the town Committee, and 8 for addas, each meticulously linked to its corresponding SDZ. The table below illustrates the list of all LGs/ urban settlements along with areas (acres).

Table 3-1: List of Established Built-up Area (EBA)/Urban Settlements

Sr. No.	Tehsil	EBA Name	Area (Acre)	Administrative Levels	Projected Population 2043	Consider for SDZ
1	Vehari	Vehari	5,835	Municipal Committee	291,622	Yes
2	Burewala	Burewala	6,297	Municipal Committee	466,814	Yes
3	Mailsi	Mailsi	3,123	Municipal Committee	231,022	Yes
4	Vehari	Luddan	702	Town Committee	25,064	Yes
5	Vehari	Machiwal	340	Town Committee	13,970	Yes
6	Mailsi	Garh Mor	241	Town Committee	23,161	Yes
7	Mailsi	Tibba Sultanpur	607	Town Committee	24,435	Yes
8	Mailsi	Karampure	449	Town Committee	20,714	Yes
9	Mailsi	Mithru	268	Town Committee	11,977	Yes
10	Mailsi	Jalla Jeem	437	Town Committee	26,341	Yes
11	Burewala	Gaggo	800	Town Committee	43,469	Yes

All of these EBAs have been considered for the formulation of Site Development Zone Structure Plan for the planning horizon 2023-2043 and would be discussed in next section.

Note: All on-ground developments with no legal/approval status are marked as "Area Under Development (AUD)" and their fate may be decided by the DPDC/LG&CDD.

3.3 Tehsil Vehari

3.3.1 Analysis and Projections

3.3.1.1 Exploring Past Trends of Land Use Transformation in Tehsil Vehari

Land Cover of Tehsil Dera Ghazi Khan has been classified as barren land, built up, vegetation and water. In both years 1990 and 2022, vegetation remains the major class however, the percentage contribution of vegetation was 72 percent in 1990, whereas in 2022, it is 58 percent of the total tehsil area. Thus, the percentage increase between these years has been determined to be 19 percent.

The largest percentage increase in land cover has been observed in case of built up are within the tehsil. In 1990, built up contributed around 3.56 percent of the area, however in 2022 its spatial coverage has increased to 5 percent. The percentage coverage increase has been maximum (128 percent) as compared to other land cover classes. The percentage increase in case of barren land is 52 percent and for water its 1 percent.

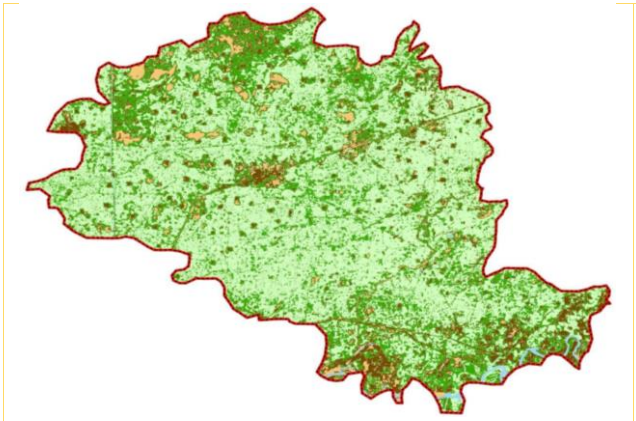
Table 3-2: Land Cover Change Analysis for Past 32 Years in Tehsil Vehari

Tehsil Vehari						
	1990		2022		Change (2022-1990)	
Land Cover	**Area (Acres)**	**Percentage**	**Area (Acres)**	**Percentage**	**Area (Acres)**	**Percentage**
Agriculture	185,544	54.02%	142,063	41.36%	-43,481	-23.43%
Shrubs & Trees	101,110	29.44%	83,521	24.32%	-17,589	-17.40%
Built Up	38,862	11.32%	93,159	27.12%	54,296	139.72%
Barren Land	15,202	4.43%	22,487	6.55%	7,285	47.92%

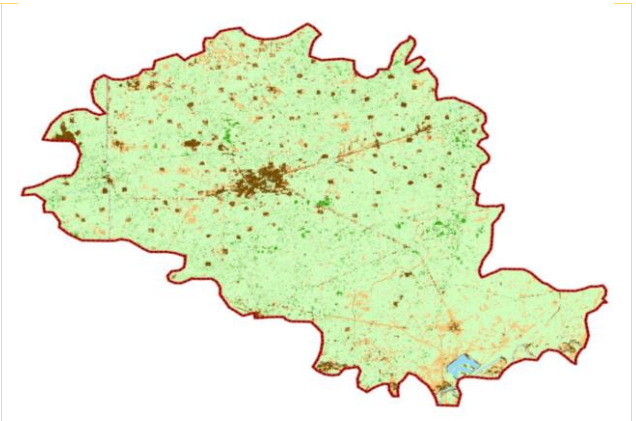
Water	2,735	0.80%	2,224	0.65%	-512	-18.70%
Total	**343,454**	**100%**	**343,454**	**100.00%**		

The table provides information on the land cover distribution in Tehsil Vehari for two years, 1990 and 2022. In 1990, most of the tehsil area was covered by agriculture, occupying more than half of the land area, while built-up areas accounted for a smaller portion. However, in 2022, there was a significant increase in built-up areas, while the areas covered by agriculture and shrubs and trees decreased. These changes imply that there was urbanization and development in the tehsil, where the increase in built-up areas came at the expense of agricultural land and natural vegetation as shown in attached map below.

Table 3-3: Comparative Analysis of Land Cover Map of Tehsil Vehari



Land Cover Map of Tehsil Vehari (1990)



Land Cover Map of Tehsil Vehari (2022)

3.3.1.2 Spatio-Temporal Growth Trend of Municipal Committee Vehari

The rapid and fluctuating growth pattern of Municipal Committee Vehari has resulted in the decline of prime agricultural/cultivated land, loss of tree covers, and shrubs. Therefore, there is a pressing need to limit and shape the future growth pattern of the city through proper planning and integrated approach to ensure sustainable development.

Table 3-4: Spatio-Temporal Growth Trend of Municipal Committee Vehari

Municipal Committee Vehari		
Year	**Established Built-up Area (Acre)**	**Increase in Area (Acre)**
1990	791	
2007	1,717	926
2012	2,190	473
2017	3,166	976
2023	5,835	2,669

Map 6: Growth Trend Map of Municipal Committee Vehari

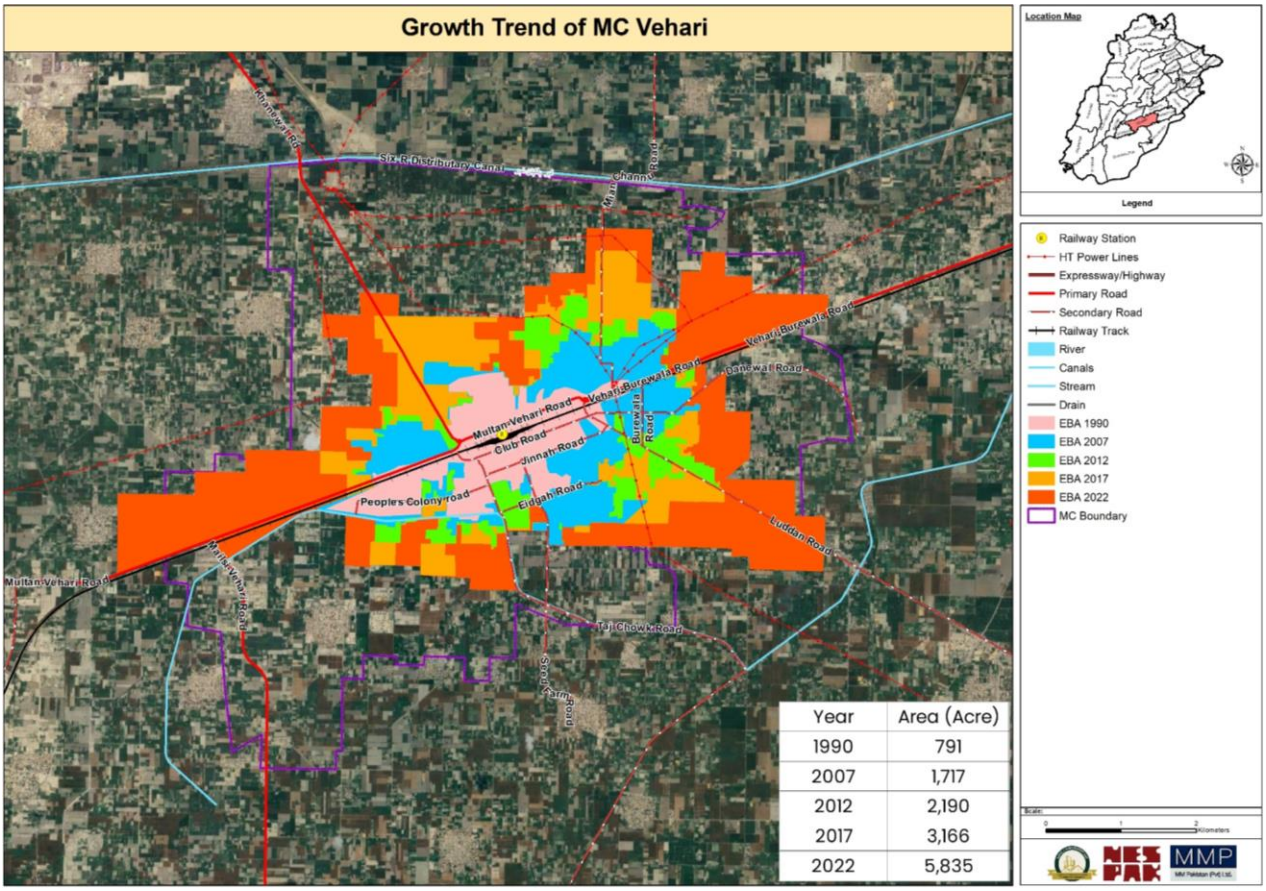
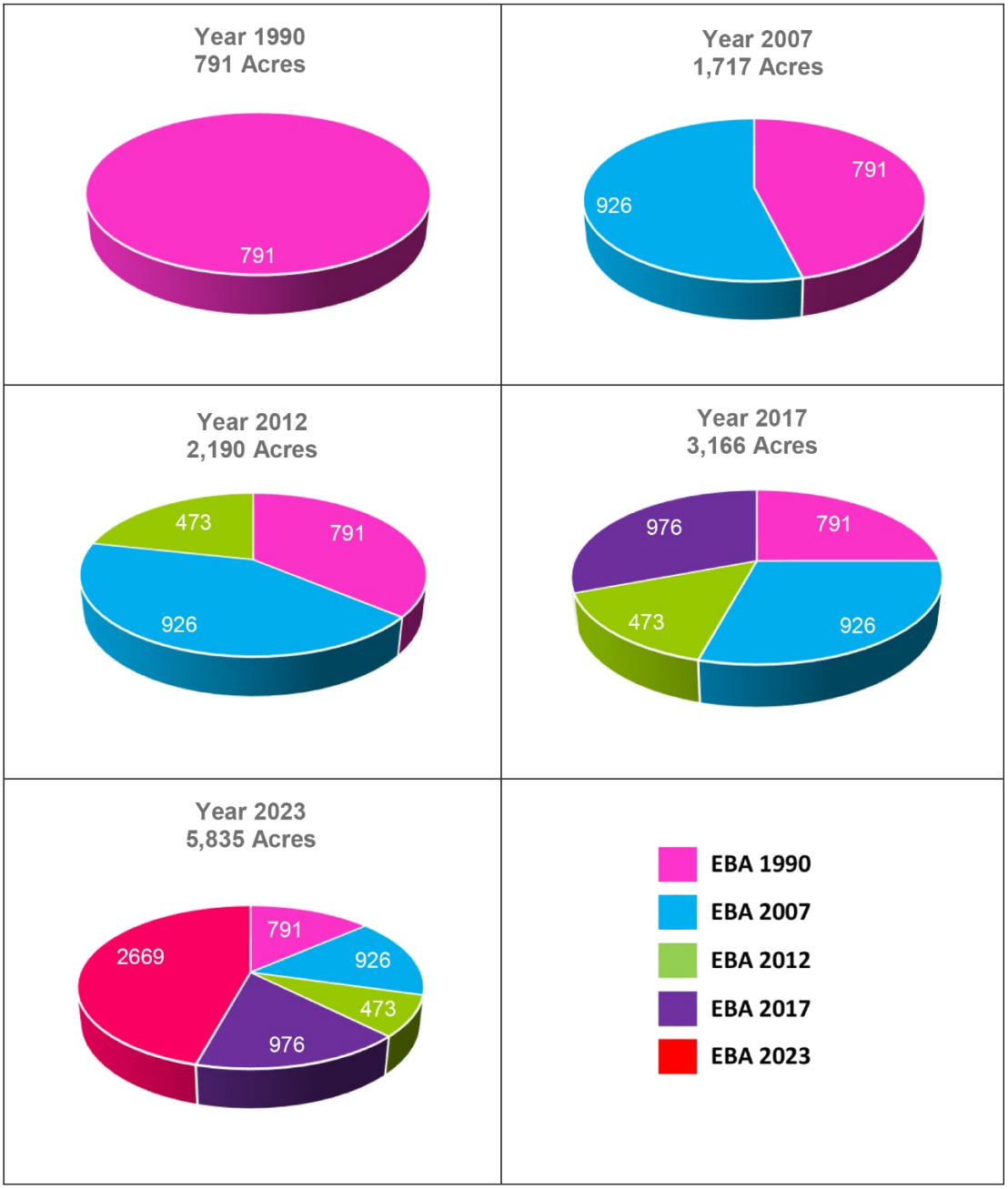


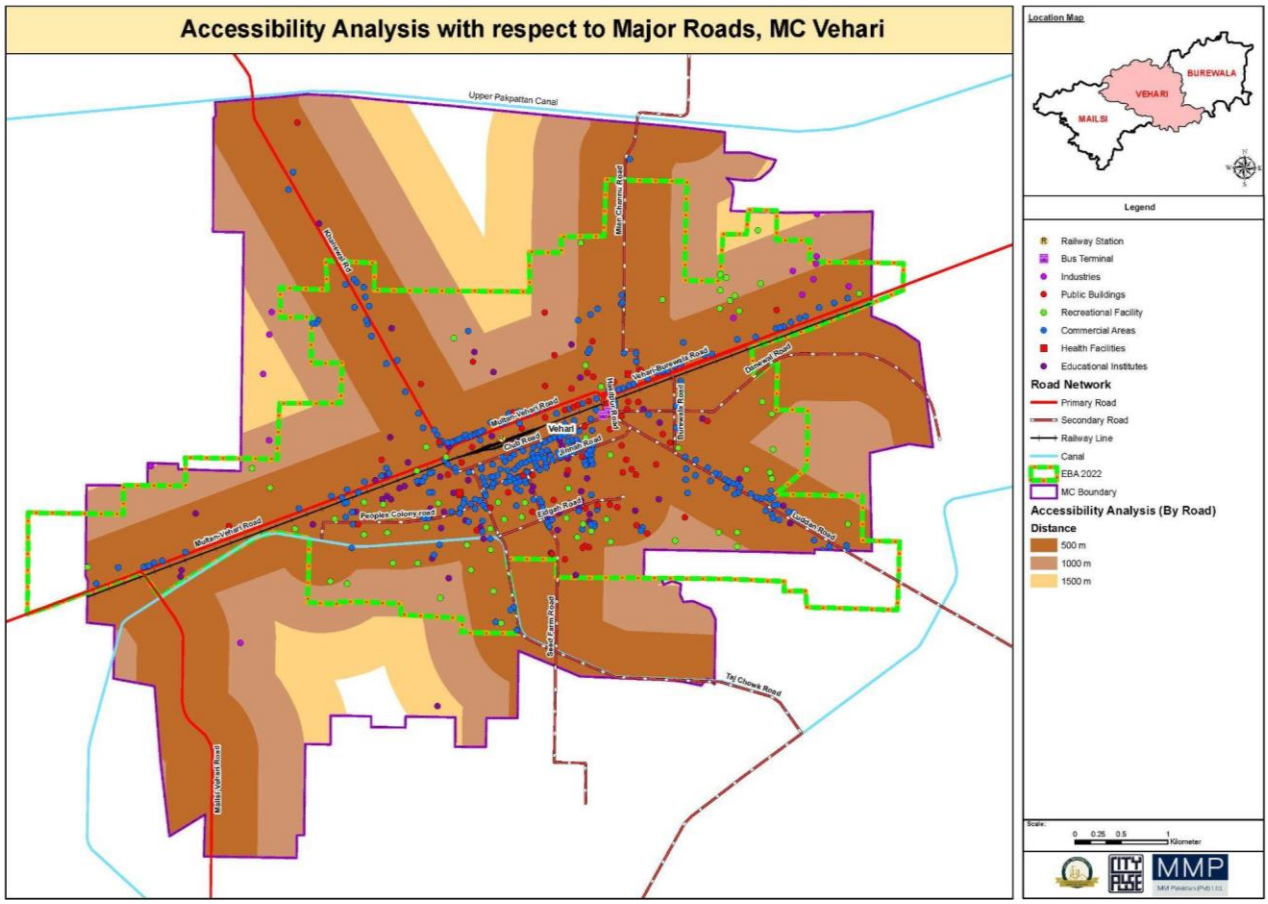
Figure 3-2: Urban Growth rate analysis of the Established Built-up Area (EBA) within Municipal Committee Vehari 1990-2023



3.3.1.3 Assessing Accessibility

The visual representation below provides a comprehensive insight into the accessibility landscape concerning major roads within MC Vehari. Notably, distinct buffer zones spanning 500, 1,000, and 1,500 meters have been meticulously delineated for each primary road within the geographical limits of MC Vehari. These buffer zones serve as a strategic tool, illustrating the scope of accessibility emanating from these pivotal roadways. Additionally, the map is adorned with specific points of interest (POIs), thoughtfully marked for reference.

Map 7: Map of Accessibility Analysis w.r.t Roads, Municipal Committee Vehari



3.3.1.4 Projected Population (2023-2043), Density Estimation, Area Requirement

Existing and Projected Population

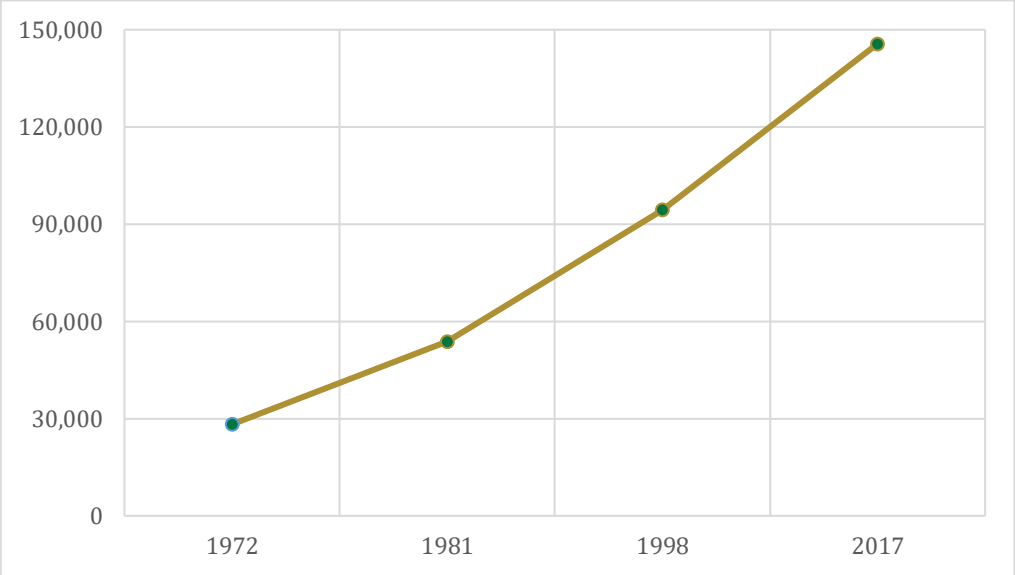
The population of Vehari city has been steadily increasing at a consistent growth rate. From 28,246 in 1972, it has surged to 145,647 by the year 2017. The inter-census population growth is detailed in the table below:

Table 3-5: Population Increase for Municipal Committee Vehari

Municipal Committee Name	Population Census 1972-09-16	Population Census 1981-03-01	Population Census 1998-03-01	Population Census 2017-03-15
Vehari	28,246	53,799	94,343	145,647

Source: PBS

Figure 3-3: Population Increase from 1972-2017 of Municipal Committee Vehari



Existing population has been determined taking Population Census 2017 record as the base value.

As discussed in above section, for the project under discussion, the base year population taken from the latest census of 2017, then 2023 is projected to work out the area requirement of the city for the horizon year 2043. For this purpose, population projection till the year 2043 is carried out using the Geometric method:

$$Pn = Po [1 + (r/100)] ^n$$

where,
Pn: Population (predicted) after 'n' number of decades,
Po: last known population,
n: number of decades between Po and Pn and,
r: growth rate

Table 3-6: Population Projection for Site Development Zone (SDZ) of Municipal Committee Vehari

Population Projection for Site Development Zone (SDZ) Vehari (Municipal Committee)						
Description	Census Population (2017)	Growth Rate (2017)	Growth Rate for Projection till 2022	Projected Population (2022)	Considered Growth Rate beyond 2022 till 2043	Projected Population (2043)
EBA Population	176,503	1.95%	1.95%	198,187	1.95%	297,308
MC Population	145,647	1.95%	1.95%	160,412	1.95%	240,641

The PMU Consultant considered the built-up area population (calculated the actual population blocks from the existing built-up area). Hence, the base population 176,503 and projected population 297,308 by 2043.

Existing and Desired Population Density

The established built-up area (EBA) of MC Vehari spans 5,835 acres, with a current population density of 34 persons per acre. Excluding the 1,434 acres of vacant land, the developed area covers 4,432 acres, resulting in an adjusted density of 44 persons per acre. To meet the future planning goal of 41 persons per acre, an increase of approximately 20% from the current density of 34 is needed. We are suggesting this increase as the current density is lower than optimal for efficient urban development.

Table 3-7: Population Density for Site Development Zone (SDZ) of Municipal Committee Vehari

Current Scenario (2022 - 2023)			Proposed Increase in Overall Density (2043) persons per acre	Projection (2043)	
EBA Area (Acres)	Established Built Area Population (2022)	Density (2022) persons per acre		Established Built Area Population (2043)	Desired Density (2043) persons per acre
5,835	198,187	34	20%	297,308	41

Proposed Future Area Requirement

Table 3-8: Increase in Area of Established Built-up Area (EBA) Vehari

Increase in EBA Area Vehari	
Description	Area (Acres)
EBA Area 2007	1,717
EBA Area 2022	5,835
Increase in EBA Area in last 15 Years	4,118 (239.84%)

The proposed future area requirements of Vehari MC have been estimated by dividing the projected population (2043) of EBA Vehari by the proposed desired density (41 persons per acre). It comes out to be 7,295 acres. Additionally, the allocation of 2,315 acres from the area needed for higher-order infrastructure to cater to the needs of nearby rural settlements. Consequently, the total area required for the city in 2043 is projected to be 9,609 acres. The future suggested area value will be derived by subtracting the EBA area and Infill sites from the total area needed in 2043, resulting in 2,304 acres.

Table 3-9: Proposed Area for Site Development Zone (SDZ) of Municipal Committee Vehari

Current Scenario (2023 - 2023)			Area Required for higher order infrastructure for rural population	Existing EBA area (2022)	Area available for infill development	Future Area Requirement (2043)
EBA Projected Population (2043)	Proposed Desired Density persons per acre	Proposed Future Area Requirement				Additional Area Required
297,308	41	9,609	2,315	5,835	1,434	2,340

Fact Sheet for Site Development Zone (SDZ) Structure Plan Established Built-up Area (EBA) Vehari

The fact sheet provides essential data for understanding the current and future population and land area requirements for planning and development in the Vehari Municipal Committee area from 2023 to 2043. It also highlights the planned density and the additional land needed to accommodate the projected population growth.

Table 3-10: Fact Sheet for Site Development Zone (SDZ) Area Calculation of Established Built-up Area (EBA) Vehari for Plan Period (2023 - 2043)

Fact Sheet for Area Calculation for Plan Period 2023-2043	
MC Area 2013	4,392
Area of EBA (2022) Acres	5,835
Growth Rate	1.95%
Projected EBA Population 2022	198,187
Projected Population of EBA (2043)	297,308
Projected Population of MC (2043)	240,641
EBA population is being used for future Area Calculation.	
Population density of EBA 2022, PPA	34.0
Proposed Increase in Overall Density (2043)	20%
Desired Density 2043, PPA	41
Area required for future city population 2043 (Acres)	7,295
Area required for higher order infrastructure for rural population	2,315
Total area required for the city 2043	9,609
Area available for Infill development	1,434
New area to be added by 2043 (Acres)	**2,340**

3.3.1.5 Gap Analysis

The National Reference Manual (NRM) provides guidelines for the allocation of land for different purposes within the city, such as residential areas, commercial zones, industrial sectors, recreational spaces, educational institutions, and green areas. It aims to achieve a balanced and efficient distribution of land uses.

The table below shows the observed range of land use proportions at city scale in National Reference Manual:

Table 3-11: Land Use Distribution at City level from NRM

City Town Population Size Class	Residential	Industrial	Commercial	Institutional	Arterial circulation/ Terminals	Recreational open spaces	Graveyards	Vacant
All size Classes	**24-50%**	**2-20%**	**0.5-5%**	**2-21%**	**2-29%**	**0.5-7%**	**0.5-6%**	**3-45%**
297,308	24-45%	2-5%	1-3%	2-9%	13-20%	2-5%	0.5-3%	3-10%

Gap Analysis for Future Land Use

This table provides valuable information for urban planners and policymakers to guide land use allocation and development strategies to align with future planning goals in Vehari.

Table 3-12: GAP Analysis of Future Land Uses in Municipal Committee Vehari

Land Use Class	Land Use proportion Current EBA (A)		Recommended Land Use Allocation Standard as per NRM (B)	Desired proportion of the city (from residential schemes (I)	Desired proportion of the city (outside residential areas (II)	Desired proportion, Total (C)	Future Land Requirement per desired proportion D= (Future Land * C)
	Area*	Percentage					Area (Acres)
Residential (Planned Housing Schemes)			24-50%	80%	20%	80%	1,872
Net Residential	2,314.78	39.67%	50%	40%	0%	40%	936
Commercial	371.58	6.37%	0.5-5%	3%	4%	7%	168
Institutional*	671.68	11.51%	2-21%	5%		5%	112
Education (Public + Private)	231.36	3.96%	3%		2%	2%	47
Health (Public + Private)	43.53	0.75%	3%		1%	1%	23
Public Building	396.79	6.80%	3%		1%	1%	23
Industrial	56.77	0.97%	2-20%	0%	0%	0%	0
Parks	146.30	2.51%	0.5-7%	6%	5%	11%	267
Graveyard	67.36	1.15%	0.5-6%	2%	3%	5%	108
Other land uses (Bus Terminal, Airport, Water Works, Water bodies, Vacant area, Transportation, Stadium, Roads)	2,206.79	37.82%	2-29%	24%	4%	28%	655
Total Area	**5,835**	**100%**		**80%**	**20%**	**100%**	**2,340**

3.3.2 Proposed Site Development Zone (SDZ) Structure Plan of Municipal Committee Vehari

The Site Development Zone (SDZ) for Vehari, covering 5,835 acres and a population of 198,187, is set to guide the city's growth from 2023 to 2043. This strategic plan emphasizes efficient transportation networks and connectivity, recognizing Vehari's central role in southern Punjab. It includes proposals for widening primary and secondary roads and introducing new routes to alleviate traffic congestion. The Site Development Zone (SDZ) is designed based on growth trend analysis, aligning with sustainable development principles and considering horizontal development potentials. This comprehensive plan aims to enhance accessibility, improve residents' quality of life, and promote the city's prosperity and resilience over the next two decades.

Table 3-13: Land Use Distribution of Site Development Zone Proposal for Municipal Committee Vehari

Site Development Zones	Area (Acres)	%age
Residential Zones		
Residential	1,828.20	94.81%
High Rise Residential	31.4	1.63%
Education Neighborhood	52.6	2.73%
Health Neighborhood	16.1	0.83%
Total	**1,928.20**	100%
Commercial Zones		
High Density Mixed Use	87.1	69.13%
Institution	24.2	19.21%
Sports Complex	14.7	11.67%
Total	**126**	100%
Other Uses		
Bus Stand	10.1	4.74%
Graveyard	84.5	39.65%
Park	118.6	55.65%
Total	**213.1**	100%
Allied Agriculture Zones		
Prime Agriculture	40.6	4.04%
Urban Agriculture/Orchard	514.4	51.15%
Hybrid Fruit Production	436.7	43.42%
Urban Farming	14.1	1.40%
Total	**1,005.70**	100%
Grand Total	**3,272.90**	

Neighborhoods

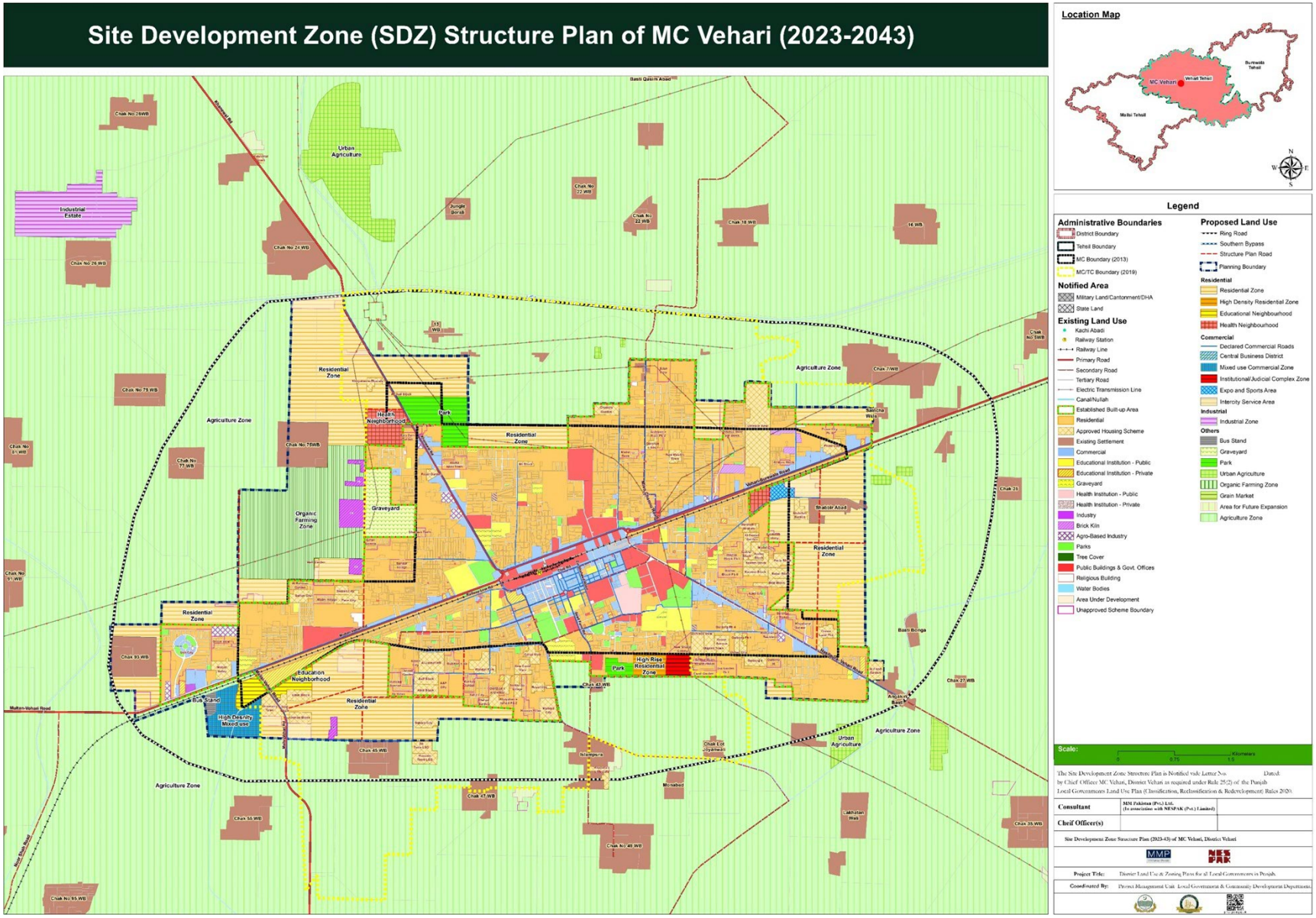
Neighborhood planning integrates essential facilities such as health, education, IT, and economic hubs within residential spaces, creating vibrant and self-sufficient communities. By mandating private developers to reserve and develop a portion of their scheme for higher-order public infrastructure ensures balanced development and also alleviates the burden on public institutions paving the way for sustainable urban growth.

The detailed proposal of each neighborhood in District Vehari is as under:

Neighborhoods	Proposed
Health Neighborhood	In these residential zones/neighbourhoods, a residential scheme may be allowed subject to condition that 20% of the total area shall be reserved and developed for higher order health facilities (City level health care functions) buildings, higher order health uses: Hospital, Medical Institute, Medical Research, Nursing Home, Diagnostic Centers.
Educational Neighborhood	In these residential zones/neighbourhoods, a residential scheme may be allowed subject to condition that 20% of the total area shall be reserved and developed for higher order educational facilities (City level education facilities) buildings, higher order education uses: School, College, University, Research Institute, Community School

Note: The LG&CD Department may devise rules and regulations for such proposed neighbourhoods.

Map 8: Site Development Zone (SDZ) Structure Plan of Municipal Committee Vehari



3.3.3 Proposed Site Development Zone Structure Plan of Luddan (Urban Settlement)

3.3.3.1 Projected Population (2023-2043), Area Requirement, Density Estimation

Existing and Projected Population

Existing population has been determined taking Population Census 2017 record as the base value.

Table 3-14: Population Projection for Site Development Zone (SDZ) of Luddan

Description	Census Population (2017)	Growth Rate (2017)	Growth Rate for Projection till 2022	Projected Population (2022)	Considered Growth Rate beyond 2022 till 2043	Projected Population (2043)
EBA Population	21,370	1.95%	1.95%	23,995	1.95%	35,996
TC Population	32,403	1.95%	1.95%	35,688	1.95%	53,537

EBA population covers 67% of the TC population. The PMU Consultant considered the built-up area population (calculated the actual population blocks from the existing built-up area). Hence, the base population 23,995 and projected population 35,996 by 2043.

Existing and Desired Population Density

The established built-up area of TC Luddan covers a land expanse of 700 acres, accommodating a present population of 23,995 individuals. This equates to a density of 34 persons per acre within the established built-up area. So, an increase of almost 20% in current density of EBA 34 persons/acre is suggested to achieve the overall desired density of 41 persons/ acre in future planning.

Table 3-15: Population Density for Site Development Zone (SDZ) of Luddan

Current Scenario (2022 - 2043)			Proposed Increase in Overall Density (2043) persons per acre	Projection (2043)	
EBA Area (Acres)	Established Built Area Population (2022)	Density (2022) persons per acre		Established Built Area Population (2043)	Desired Density (2043) persons per acre
700	23,995	34	20%	35,996	41

Proposed Future Area Requirement

The proposed future area requirements of Luddan TC have been estimated by dividing the projected population (2043) of EBA Luddan by the proposed desired density (41 persons per acre). It comes out to be 875 acres. Additionally, the allocation of 441 acres from the area needed for higher-order infrastructure to cater to the needs of nearby rural settlements. Consequently, the total area required for the city in 2043 is projected to be 1,316 acres. The future suggested area value will be derived by subtracting the EBA area and Infill sites from the total area needed in 2043, resulting in 505 acres.

Table 3-16: Proposed Area for Site Development Zone (SDZ) of Luddan

Current Scenario (2023 - 2023)			Area Required for higher order infrastructure for rural population	Existing EBA area (2022)	Area available for infill development	Future Area Requirement (2043)
EBA Projected Population (2043)	Proposed Desired Density persons per acre	Proposed Future Area Requirement				Additional Area Required
35,996	41	875	441	700	111	505

Fact Sheet for Site Development Zone (SDZ) Structure Plan Established Built-up Area (EBA) Luddan

The fact sheet provides essential data for understanding the current and future population and land area requirements for planning and development in the Luddan Town Committee area from 2023 to 2043. It also highlights the planned density and the additional land needed to accommodate the projected population growth.

Table 3-17: Fact Sheet for Site Development Zone (SDZ) Area Calculation of Established Built-up Area (EBA) Luddan for Plan Period (2023 - 2043)

Fact Sheet for Area Calculation for Plan Period 2023-2043	
TC Area 2019	6,173
Area of EBA (2022) Acres	700
Growth Rate	1.95%
Projected EBA Population 2022	23,995
Projected Population of EBA (2043)	35,996
Projected Population of MC (2043)	53,537
EBA population is being used for future area calculation	
Population density of EBA 2022, PPA	34
Proposed Increase in Overall Density (2043)	20%
Desired Density 2043, PPA	41
Area required for future city population 2043 (Acres)	875
Area required for higher order infrastructure for rural population	441
Total area required for the city 2043	1,316
Area available for Infill development	111
New area to be added by 2043 (Acres)	**505**

3.3.3.2 Gap Analysis

This table provides valuable information for urban planners and policymakers to guide land use allocation and development strategies to align with future planning goals in Luddan town committee.

Table 3-18: Gap Analysis of Future Land Uses in Luddan

Land Use Class	Land Use proportion Current EBA (A)		Recommended Land Use Allocation Standard as per NRM (B)	Desired proportion of the city (from residential schemes (I)	Desired proportion of the city (outside residential areas (II)	Desired proportion, Total (C)	Future Land Requirement per desired proportion D= (Future Land * C)
	Area*	%Age					Area (Acres)
Residential (Planned Housing Schemes)			**24-50%**	**100%**	**0.00%**	**100%**	**505**
Net Residential	338.30	48.33%	50%	50%	0.00%	50%	252
Commercial	32.00	4.57%	0.5-5%	4%	0.00%	4%	20
Institutional*	23.50	3.36%	2-21%	6%	0.00%	6%	30
Education (Public + Private)	8.00	1.14%	3%		0.00%	0%	0
Health (Public + Private)	5.80	0.83%	3%		0.00%	0%	0
Public Building	9.70	1.39%	3%		0.00%	0%	0
Industrial	73.40	10.49%	2-20%	0%	0.00%	0%	0
Parks	1.40	0.20%	0.5-7%	8%	0.00%	8%	40
Graveyard	29.80	4.26%	0.5-6%	2%	0.00%	2%	10
Other land uses (Bus Terminal, Airport, Water Works, Water bodies, Vacant area, Transportation, Stadium, Roads)	201.60	28.80%	2-29%	30%	0.00%	30%	151
Total Area	**700**	**100%**		**100%**	**0.00%**	**100%**	**505**

3.3.3.3 Proposed Site Development Zone Structure Plan

The Established Built-Up Area (EBA) of Luddan Town Committee encompasses 700 acres, housing a population of 23,995 individuals, forming the basis for the Site Development Zone Structure Plan. The formulation of the Site Development Zone (SDZ) for Luddan city, spanning the period from 2023 to 2043, embodies a holistic and strategic approach to guide the city's growth and urban planning.

Table 3-19: Land Use Distribution of Site Development Zone (SDZ) Proposal for Luddan

Site Development Zones		
Proposed Zones	**Area (Acres)**	%age
Residential Zones		
Residential	530.92	100%
Total	**530.92**	100%
Allied Agriculture Zones		
Urban Agriculture/Orchard	295.5	100%
Total	**295.5**	100%
Grand Total	**826.42**	

3.3.4 Proposed Site Development Zone Structure Plan of Machiwal (Urban Settlements)

3.3.4.1 Existing and Projected Population (2023-2043)

Existing population has been determined taking Population Census 2017 record as the base value.

Table 3-20: Population Projection for Site Development Zone (SDZ) of Machiwal

Population Projection for Site Development Zone (SDZ) Machiwal						
Description	**Census Population (2017)**	**Growth Rate (2017)**	**Growth Rate for Projection till 2022**	**Projected Population (2022)**	**Considered Growth Rate beyond 2022 till 2043**	**Projected Population (2043)**
EBA Population	7,715	2.31%	2.31%	9,914	2.31%	14,872
TC Population	26,437	2.31%	2.31%	29,117	2.31%	43,680

As the EBA Machiwal Population is 1/3 times of the TC Machiwala population so, the PMU Consultant considered the built-up area population (calculated the actual population blocks from the existing built-up area). Hence, the base population 9,914 and projected population 14,872 by 2043.

Existing and Desired Population Density

The established built-up area of TC Machiwal covers a land expanse of 340 acres, accommodating a present population of 9,914 individuals. This equates to a density of 29 persons per acre within the established built-up area. So, an increase of almost 20% in current density of EBA 29 persons/acre is suggested to achieve the overall desired density of 35 persons/ acre in future planning.

Table 3-21: Population Density for Site Development Zone (SDZ) of Machiwal

Current Scenario (2022 - 2043)			Proposed Increase in Overall Density (2043) persons per acre	Projection (2043)	
EBA Area (Acres)	**Established Built Area Population (2022)**	**Density (2022) persons per acre**		**Established Built Area Population (2043)**	**Desired Density (2043) persons per acre**
340	9,724	28.62	20%	14,872	35

Proposed Future Area Requirement

The proposed future area requirements of Machiwal have been estimated by dividing the projected population (2043) of EBA Machiwal by the proposed desired density (35 persons per acre). It comes out to be 425 acres. Additionally, the allocation of 207 acres from the area needed for higher-order infrastructure to cater to the needs of nearby rural settlements. Consequently, the total area required for the city in 2043 is projected to be 632 acres. The future suggested area value will be derived by subtracting the EBA area and Infill sites from the total area needed in 2043, resulting in 172 acres.

Table 3-22: Proposed Area for Site Development Zone (SDZ) of Machiwal

Current Scenario (2023 - 2023)			Area Required for higher order infrastructure for rural population	Existing EBA area (2022)	Area available for infill development	Future Area Requirement (2043)
EBA Projected Population (2043)	Proposed Desired Density persons per acre	Proposed Future Area Requirement				Additional Area Required
14,872	35	425	207	340	120	172

Fact Sheet for Site Development Zone (SDZ) Structure Plan EBA Machiwal

The fact sheet provides essential data for understanding the current and future population and land area requirements for planning and development in the Machiwal Town Committee area from 2023 to 2043. It also highlights the planned density and the additional land needed to accommodate the projected population growth.

Table 3-23: Fact Sheet for Site Development Zone (SDZ) Area Calculation of Established Built-up Area (EBA) Machiwal for Plan Period (2023 - 2043)

Fact Sheet for Area Calculation for Plan Period 2023-2043	
TC Area 2019	5226
Area of EBA (2022) Acres	340
Growth Rate	1.95%
Projected EBA Population 2022	9,914
Projected Population of EBA (2043)	14,872
Projected Population of MC (2043)	43,680
EBA population is being used for future Area Calculation	
Population density of EBA 2022, PPA	29
Proposed Increase in Overall Density (2043)	20%
Desired Density 2043, PPA	35
Area required for future city population 2043 (Acres)	425
Area required for higher order infrastructure for rural population	207
Total area required for the city 2043	632
Area available for Infill development	120
New area to be added by 2043 (Acres)	172

3.3.4.2 Gap Analysis

This table provides valuable information for urban planners and policymakers to guide land use allocation and development strategies to align with future planning goals in Machiwal.

Table 3-24: GAP Analysis of Future Land Uses in Machiwal

Land Use Distribution of Net Area Required for preparation of Site Development Zone							
Land Use Class	Land Use proportion Current EBA (A)		Recommended Land Use Allocation Standard as per NRM (B)	Desired proportion of the city (from residential schemes (I)	Desired proportion of the city (outside residential areas (II)	Desired proportion, Total (C)	Future Land Requirement per desired proportion D= (Future Land * C)
	Area*	Percentage					Area (Acres)
Residential (Planned Housing Schemes)			24-50%	97%	3%	100%	172
Net Residential	115.80	34.08%	50%	49%	0%	49%	84
Commercial	23.40	6.89%	0.5-5%	4%	0%	4%	7
Institutional*	9.10	2.68%	2-21%	6%	0%	6%	10
Education (Public + Private)	5.70	1.68%	3%		0%	0%	0
Health (Public + Private)	0.80	0.24%	3%		0%	0%	0
Public Building	2.60	0.77%	3%		0%	0%	0
Industrial	8.00	2.35%	2-20%	0%	0%	0%	0
Parks	0.00	0.00%	0.5-7%	8%	0%	8%	13
Graveyard	4.10	1.21%	0.5-6%	2%	3%	5%	9
Other land uses (Bus Terminal, Airport, Water Works, Water bodies, Vacant area, Transportation, Stadium, Roads)	179.42	52.80%	2-29%	29%	0%	29%	50
Total Area	**340**	**100%**		**97%**	**3%**	**100%**	**172**

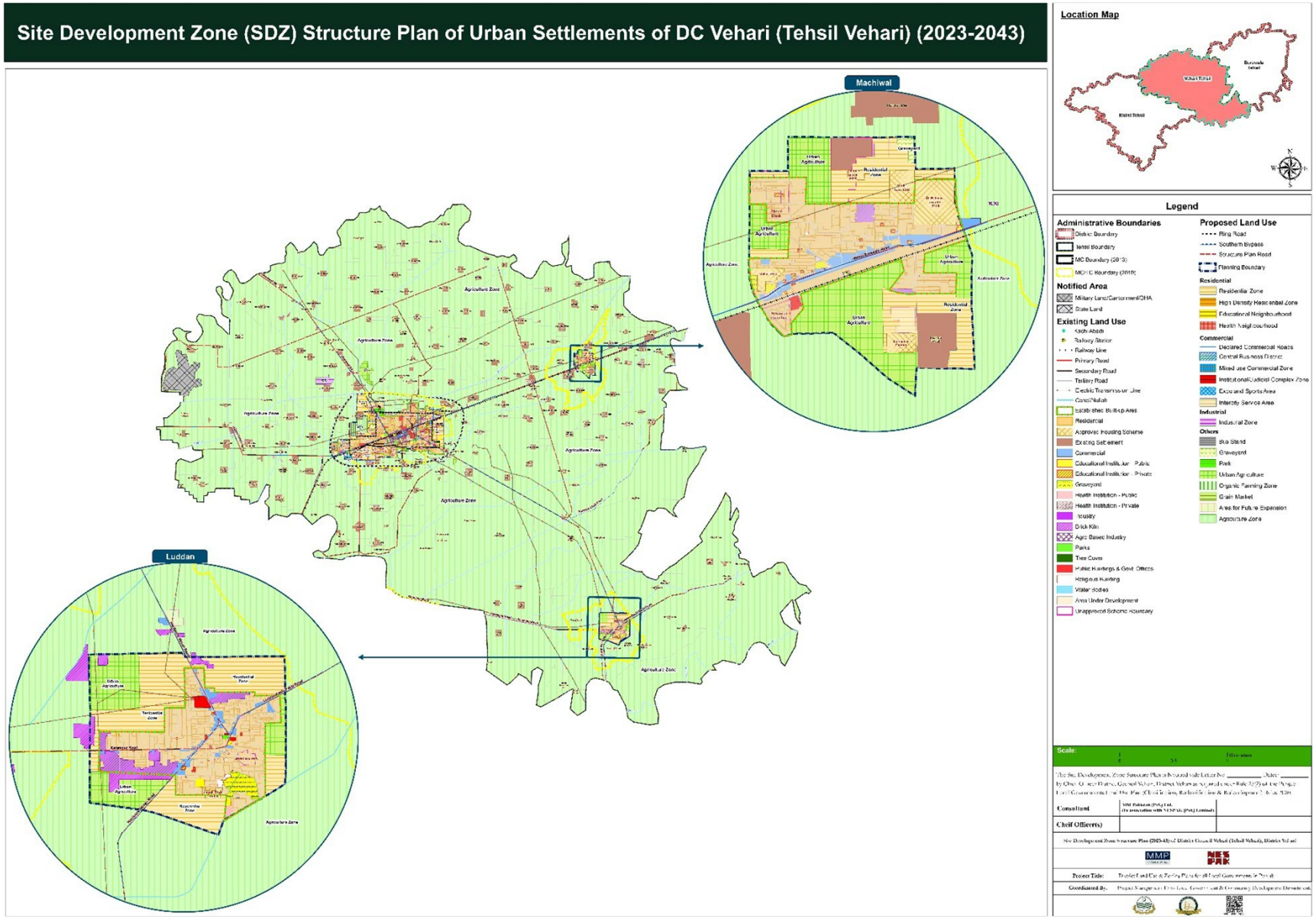
3.3.4.3 Proposed Site Development Zone Structure Plan

The Established Built-Up Area (EBA) of Machiwal Town Committee encompasses 340 acres, housing a population of 9,914 individuals, forming the basis for the Site Development Zone Structure Plan. The formulation of the Site Development Zone (SDZ) for Machiwal city, spanning the period from 2023 to 2043, embodies a holistic and strategic approach to guide the city's growth and urban planning.

Table 3-25: Land Use Distribution of Site Development Zone (SDZ) Proposal for Established Built-up Area (EBA) Machiwal

Site Development Zones		
Proposed Zones	Area (Acres)	%age
Residential Zones		
Residential	185	100%
Total	**185**	100%
Other Uses		
Graveyard	5.38	100%
Total	**5.38**	100%
Allied Agriculture Zones		
Urban Agriculture/Orchard	230.99	100%
Total	**230.99**	100%
Grand Total	**421.37**	

Map 9: Site Development Zone (SDZ) Structure Plan of District Council Vehari (Tehsil Vehari)



3.3.5 Site Development Zone (SDZ) for Small Settlements/Addas of Tehsil Vehari

This proposal introduces Site Development Zones (SDZ) for six smaller settlements, or addas, in Vehari Tehsil, following a request from the district administration. The goal is to promote organized development tailored to each adda.

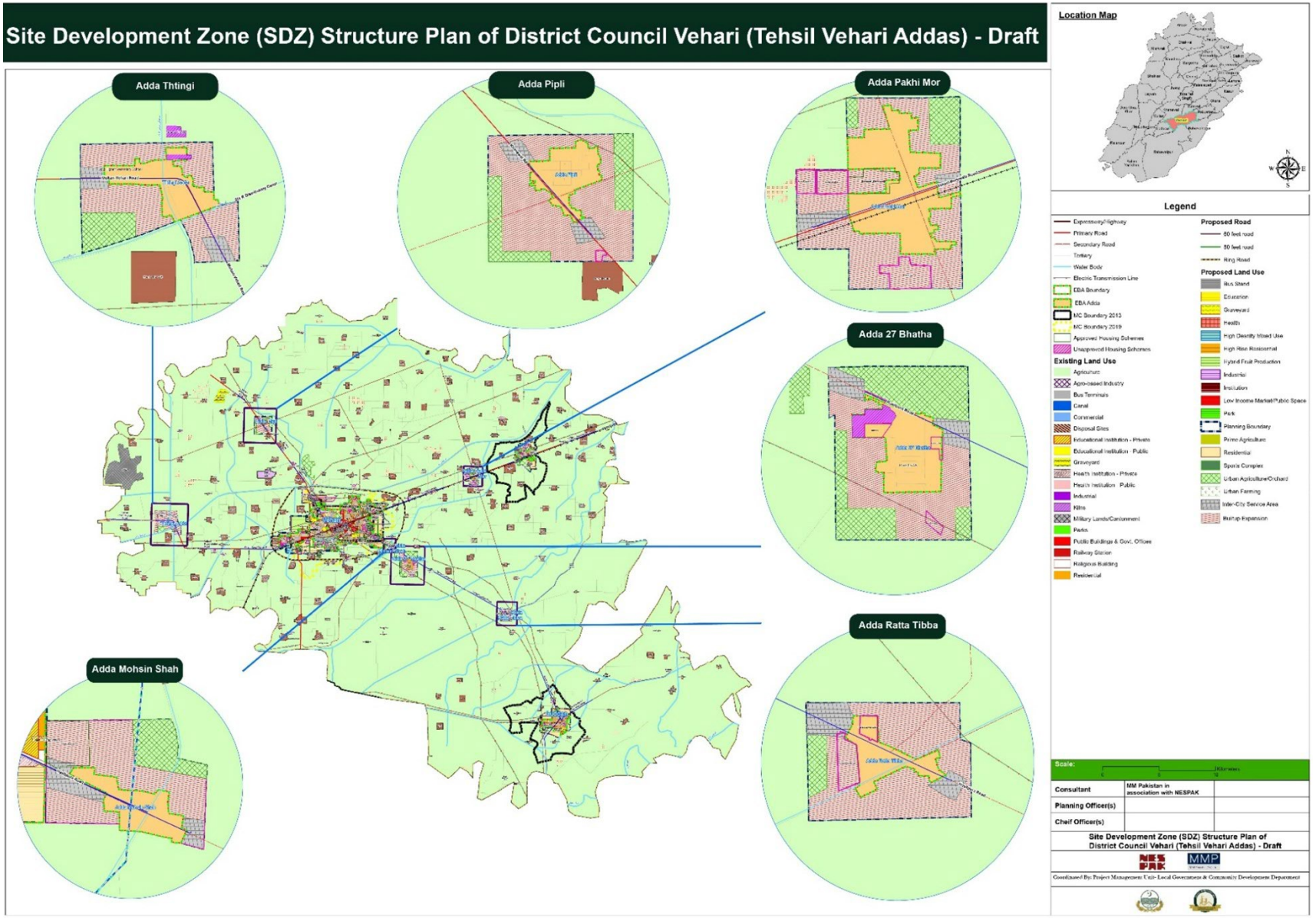
Three key zones are delineated within the SDZs. The Intercity Service Area consolidates essential services like markets, schools, healthcare, and administrative offices. The Agriculture/Orchards Zone focuses on preserving and sustainably using agricultural land. The Area of Expansion outlines regions for future growth.

This structured zoning aims to ensure sustainable development, preserve agricultural heritage, and support planned expansion within these smaller communities in Vehari Tehsil.The following list outlines the Established Built-Up Areas (EBA) of addas/smaller settlements in Tehsil Vehari earmarked for SDZ, underscoring the commitment to thoughtful urban planning and the preservation of local identity:

- Thtingi Adda
- Adda Pipli
- Adda Pakhi Mor
- Adda 27 Bhatha
- Adda Ratta Tibba
- Adda Mohsin Shah

This strategic delineation aims to foster resilience, promote sustainable practices, and create a harmonious blend of heritage preservation and modern development in each of these distinct settlements. The location of these addas is given in the below figure

Map 10: Site Development Zone Structure Plan Map of District Council Vehari (Tehsil Vehari Addas)



3.4 Tehsil Burewala

Tehsil Burewala hosts a total of 10 Established Built-Up Areas (EBAs), strategically distributed to accommodate the diverse urban landscape. Within this allocation, one EBA is exclusively designated for the Municipal Committee Burewala, serving as the central administrative nucleus. Another EBA is earmarked for the town committees of Gaggo Mandi, contributing to the systematic urban planning of the region. The remaining eight EBAs cater to the specific requirements of various addas and smaller settlements, reflecting a comprehensive approach that addresses the unique characteristics of each locality.

3.4.1 Analysis and Projections

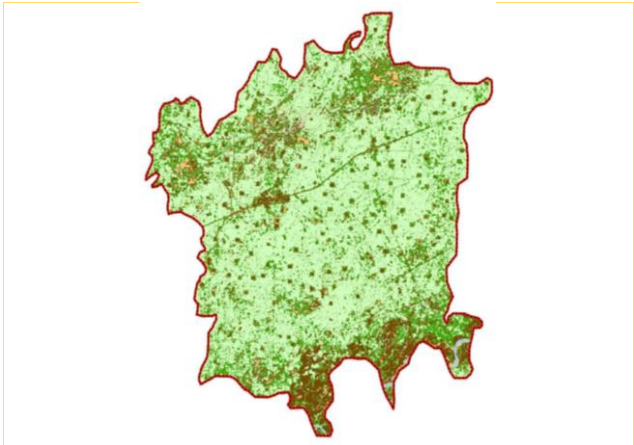
3.4.1.1 Exploring Past Trends of Land Use Transformation in Tehsil Burewala

Table 3-26: Land Cover Change Analysis for Past 32 Years in Tehsil Burewala

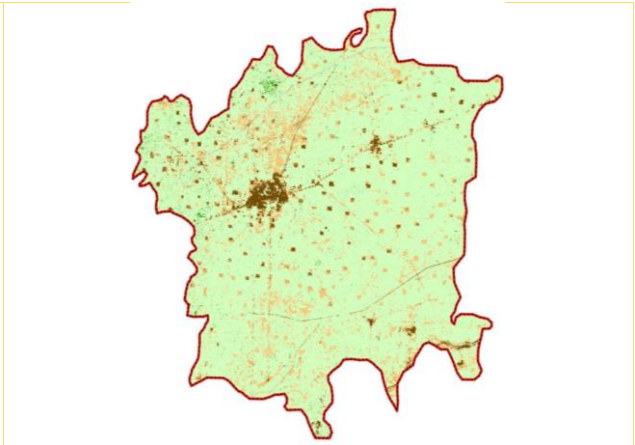
Tehsil Burewala						
	1990		2022		Change (2022-1990)	
Land Cover	**Area (Acres)**	**Percentage**	**Area (Acres)**	**Percentage**	**Area (Acres)**	**Percentage**
Agriculture	53,823,917	58.82%	44,068,211	48.16%	-9,755,705	-18.13%
Shrubs & Trees	19,366,607	21.16%	15,021,019	16.41%	-4,345,589	-22.44%
Built Up	14,095,363	15.40%	25,462,441	27.82%	11,367,077	80.64%
Barren Land	3,569,679	3.90%	6,472,421	7.07%	2,902,742	81.32%
Water	657,052	0.72%	488,527	0.53%	-168,526	-25.65%
Total	**91,512,619**	**100%**	**91,512,619**	**100%**		

The land cover in Tehsil Burewala has shifted notably between 1990 and 2022. In 1990, agriculture dominated 58.82% of the land, followed by shrubs and trees at 21.16%, while built-up areas covered 15.4%. Barren land and water bodies made up 3.9% and 0.72%, respectively. By 2022, agriculture decreased to 49.24%, while built-up areas surged to 28.46%. These changes highlight significant urbanization and development, with built-up areas expanding at the cost of agricultural land and natural vegetation as shown in below map.

Table 3-27: Comparative Analysis of Land Cover Map of Tehsil Burewala



Land Cover Map of Tehsil Burewala (1990)



Land Cover Map of Tehsil Burewala (2022)

3.4.2 Proposed Site Development Zone Structure Plan of Municipal Committee Burewala

3.4.2.1 Analysing Growth Trends

Compared to other nearby cities like MC Mailsi and MC Vehari, MC Burewala has grown at a faster pace but in a less organized manner. The lack of direction in the city's growth highlights the need for better planning to guide future development and ensure a more sustainable and equitable growth pattern.

Table 3-28: Spatio-Temporal Growth Trend of Municipal Committee Burewala

Municipal Committee Burewala		
Year	Established Built-up Area (Acre)	Increase in Area (Acre)
1990	1,709	
2007	2,415	706
2012	3,009	594
2017	4,135	1,126
2022	6,285	2,150

Map 11: Growth Trend Map of Municipal Committee Burewala

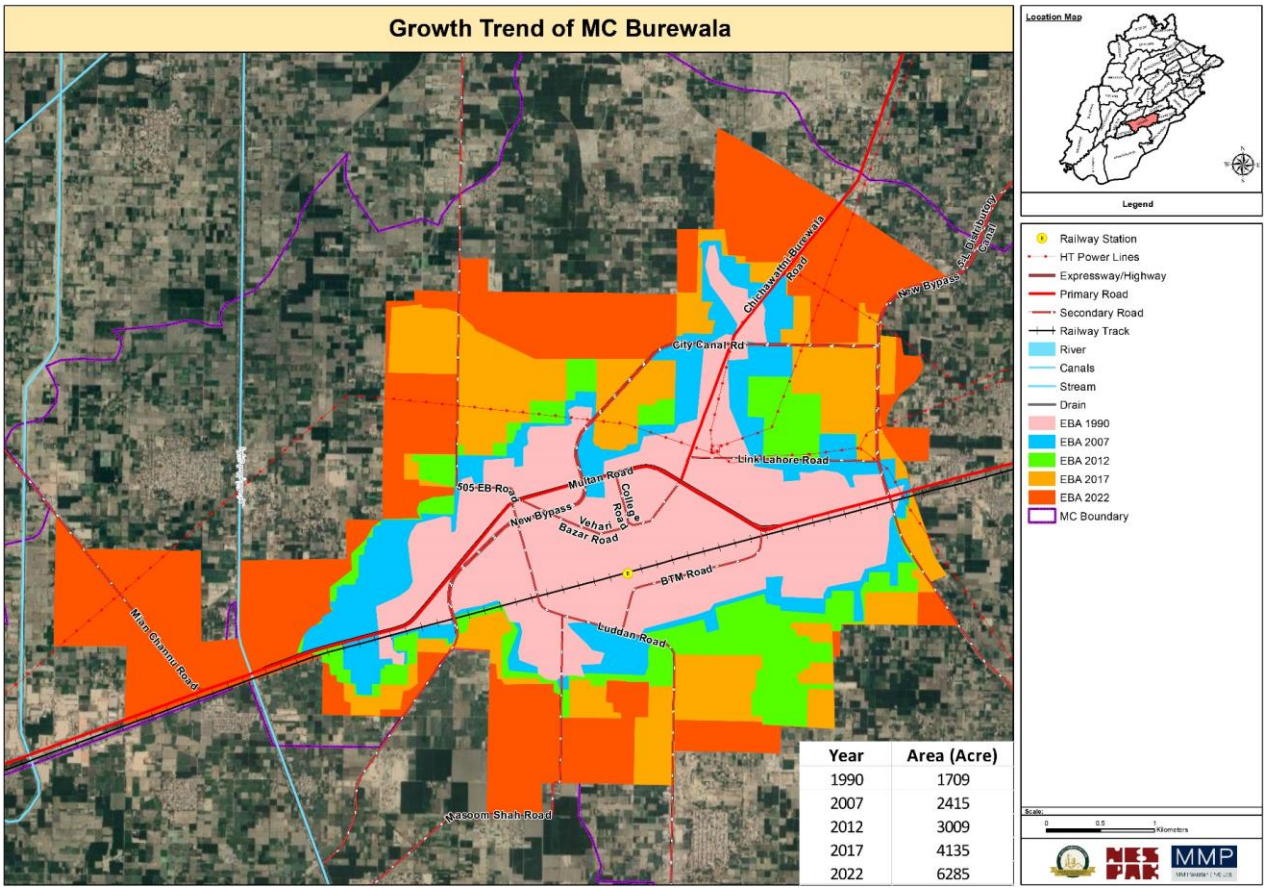
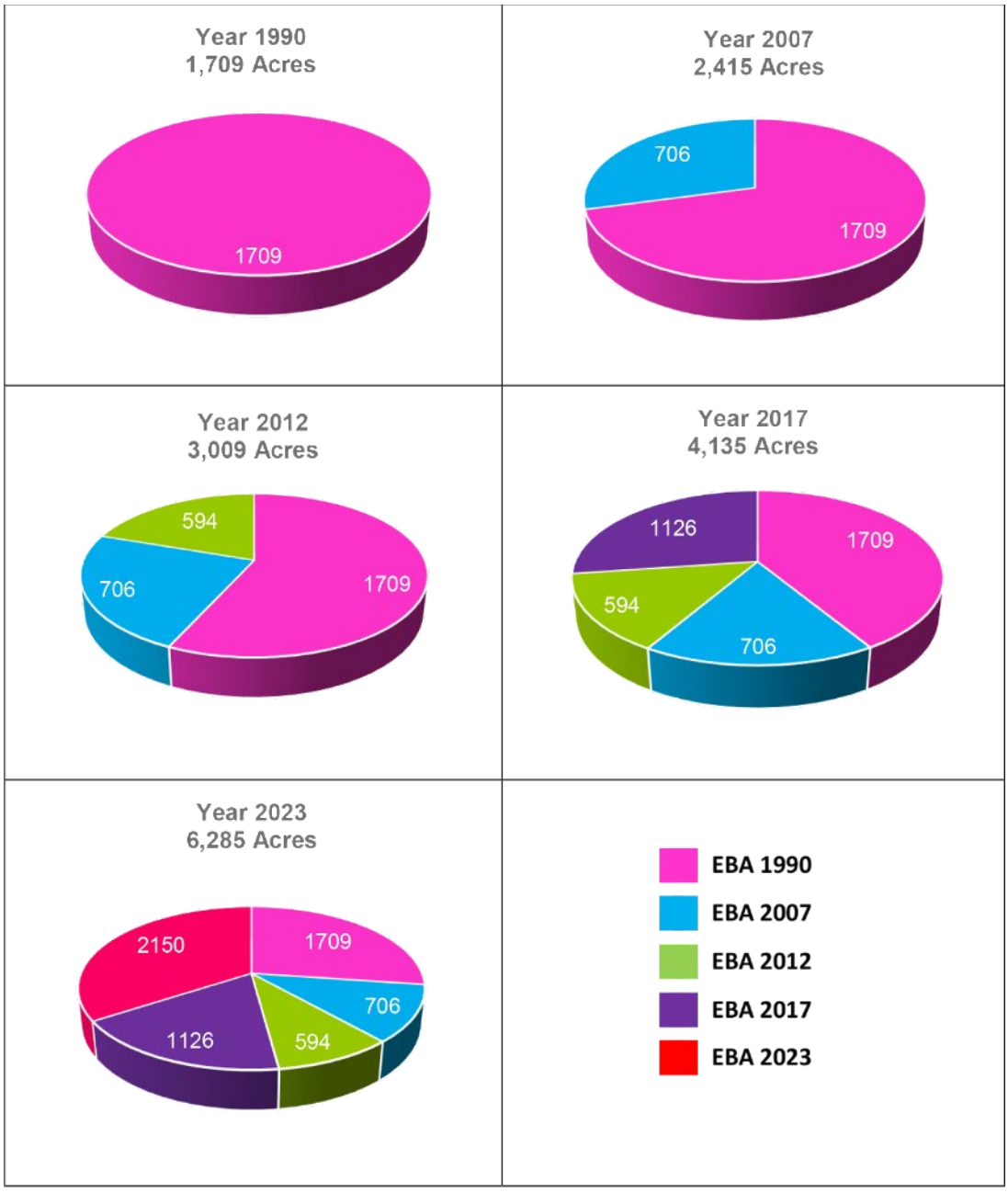


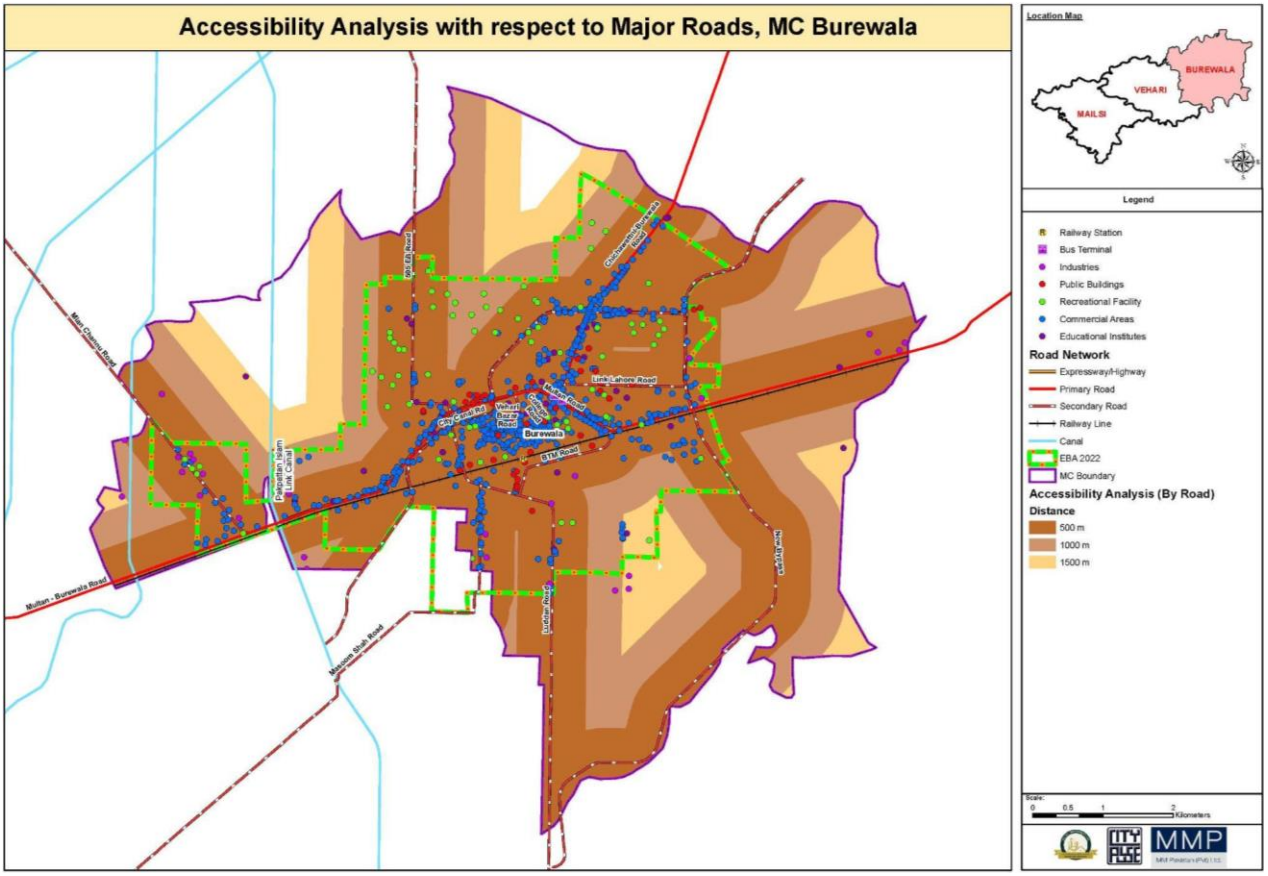
Figure 3-4: Urban Growth rate analysis of the Established Built-up Area (EBA) within Municipal Committee Burewala 1990-2023



3.4.2.2 Accessibility Analysis

The figure below illustrates the accessibility in relation to major roads, within MC Burewala. Notably, distinct buffer zones spanning 500, 1,000, and 1,500 meters have been meticulously delineated for each primary road within the geographical limits of MC Burewala. These buffer zones serve as a strategic tool, illustrating the scope of accessibility emanating from these pivotal roadways. Additionally, the map is adorned with specific points of interest (POIs), thoughtfully marked for reference.

Map 12: Accessibility Analysis w.r.t Roads, Municipal Committee Burewala



3.4.2.3 Projected Population (2023-2043), Density Estimation, Area Requirement

Existing and Projected Population

The population of Burewala city has been steadily increasing at a consistent growth rate. From 57,741 in 1972, it has surged to 232,030 by the year 2017. The inter-census population growth is detailed in the table below:

Table 3-29: Population Increase for Municipal Committee Burewala

Municipal Committee Name	Population Census 1972-09-16	Population Census 1981-03-01	Population Census 1998-03-01	Population Census 2017-03-15
Burewala	57,741	86,311	152,097	232,030

Source: PBS

Existing population has been determined taking Population Census 2017 record as the base value.

Table 3-30: Population Projection for Site Development Zone (SDZ) Municipal Committee Burewala

Population Projection for Site Development Zone (SDZ) of Municipal Committee Burewala						
Description	Census Population (2017)	Growth Rate (2017)	Growth Rate for Projection till 2022	Projected Population (2022)	Considered Growth Rate beyond 2022 till 2043	Projected Population (2043)
EBA Population	258,678	2.24%	2.24%	295,450	2.24%	470,459
MC Population	232,030	2.24%	2.24%	259,208	2.24%	412,749

The PMU Consultant considered the built-up area population (calculated the actual population blocks from the existing built-up area). Hence, the base population 258,678and projected population 460,152 by 2043.

Existing and Desired Population Density

The established built-up area of MC Burewala spans 6,297 acres, with a current population density of 47 persons per acre. Excluding the 1,177 acres of vacant land, the developed area covers 5,043 acres, with an adjusted density of 51 persons per acre. To achieve the desired future density of 56 persons per acre, a 20% increase from the current density is needed. We are proposing this increase as the current density is lower than the desired target for efficient urban planning.

Table 3-31: Proposed Area for Site Development Zone (SDZ) of Municipal Committee Burewala

Current Scenario (2022 - 2023)			Proposed Increase in Overall Density (2043) persons per acre	Projection (2043)	
EBA Area (Acres)	Established Built Area Population (2022)	Density (2022) persons per acre		Established Built Area Population (2043)	Desired Density (2043) persons per acre
6,297	295,450	47	20%	470,459	56

Proposed Future Area Requirement

Table 3-32: Increase in Established Built-up Area (EBA) of Municipal Committee Burewala

Increase in Established Built-up Area (EBA) Area Burewala	
Description	Area (Acres)
EBA Area 2007	2,415
EBA Area 202	6,297
Increase in EBA Area in last 15 Years	4,373 (160.7%)

The proposed future area requirements of MC Burewala have been estimated by dividing the projected population (2043) of EBA Burewala by the proposed desired density (55 persons per acre). It comes out to be 8,356 acres. Additionally, the allocation of 3,557 acres from the area needed for higher-order infrastructure to cater the needs of nearby rural settlements of Tehsil Burewala. Consequently, the total area required for the city in 2043 is projected to be 11,913 acres. The future suggested area value will be derived by subtracting the EBA area and Infill sites from the total area needed in 2043, resulting in 4,439 acres.

Table 3-33: Proposed Area for Site Development Zone (SDZ) of Municipal Committee Burewala

Current Scenario (2023 - 2023)			Area Required for higher order infrastructure for rural population	Existing EBA area (2022)	Area available for infill development	Future Area Requirement (2043)
EBA Projected Population (2043)	Proposed Desired Density persons per acre	Proposed Future Area Requirement				Additional Area Required
470,459	55	8,356	3,557	6,297	1,177	4,439

Fact Sheet for Site Development Zone (SDZ) Structure Plan of Municipal Committee Burewala

The fact sheet provides essential data for understanding the current and future population and land area requirements for planning and development in the Burewala Municipal Committee area from 2023 to 2043. It also highlights the planned density and the additional land needed to accommodate the projected population growth.

Table 3-34: Fact Sheet for Site Development Zone (SDZ) Area Calculation of Established Built-up Area (EBA) Burewala for Plan Period (2023 - 2043)

Fact Sheet for Area Calculation for Plan Period 2023-2043	
MC Area 2013	5,985
Area of EBA (2022) Acres	6,297
Growth Rate	2.24%
Projected EBA Population 2022	295,450
Projected Population of EBA (2043)	470,459
Projected Population of MC (2043)	412,749
EBA population is being used for future area calculation.	
Population density of EBA 2022, PPA	47
Proposed Increase in Overall Density (2043)	20%
Desired Density 2043, PPA	56
Area required for future city population 2043 (Acres)	8,356
Area required for higher order infrastructure for rural population	3,557
Total area required for the city 2043	11,913
Area available for Infill development	1,177
New area to be added by 2043 (Acres)	**4,439**

3.4.2.4 Gap Analysis

The table below shows the observed range of land use proportions at city scale in National Reference Manual:

Table 3-35: Land Use Distribution at City level from NRM in case of Municipal Committee Burewala

City Town Population Size Class	Residential	Industrial	Commercial	Institutional	Arterial circulation/ Terminals	Recreational open spaces	Graveyards	Vacant
All size Classes	**24-50%**	**2-20%**	**0.5-5%**	**2-21%**	**2-29%**	**0.5-7%**	**0.5-6%**	**3-45%**
470,459	24-45%	2-5%	1-3%	2-9%	13-20%	2-5%	0.5-3%	3-10%

Gap Analysis for Future Land Use

This table provides valuable information for urban planners and policymakers to guide land use allocation and development strategies to align with future planning goals in Burewala.

Table 3-36: GAP Analysis of Future Land Uses in Municpal Committee Burewala

Land Use Distribution of Net Area Required for preparation of Site Development Zone							
Land Use Class	Land Use proportion Current EBA (A)		Recommended Land Use Allocation Standard as per NRM (B)	Desired proportion of the city (from residential schemes (I)	Desired proportion of the city (outside residential areas (II)	Desired proportion, Total (C)	Future Land Requirement per desired proportion D= (Future Land * C)
	Area*	Percentage					Area (Acres)
Residential (Planned Housing Schemes)			24-50%	80%	0%	80%	3,551
Net Residential	2,904.60	46.12%	50%	40%	0%	40%	1,776
Commercial	373.31	5.93%	0.5-5%	3%	4%	7%	320
Institutional*	301.11	4.78%	2-21%	5%		5%	213
Education (Public + Private)	145.72	2.31%	3%		2%	2%	67
Health (Public + Private)	14.96	0.24%	3%		1%	1%	44
Public Building	140.43	2.23%	3%		0%	0%	0
Industrial	274.02	4.35%	2-20%	0%	2%	2%	89
Parks	90.00	1.43%	0.5-7%	6%	2%	8%	351
Graveyard	70.79	1.12%	0.5-6%	2%	0%	2%	71
Other land uses (Bus Terminal, Airport, Water Works, Water bodies, Vacant area, Transportation, Stadium, Roads)	2,283.48	36.26%	2-29%	24%	10%	34%	1,509
Total Area	**6,297**	**100%**		**80%**	**20%**	**100%**	**4,439**

3.4.2.5 Proposed Site Development Zone Structure Plan

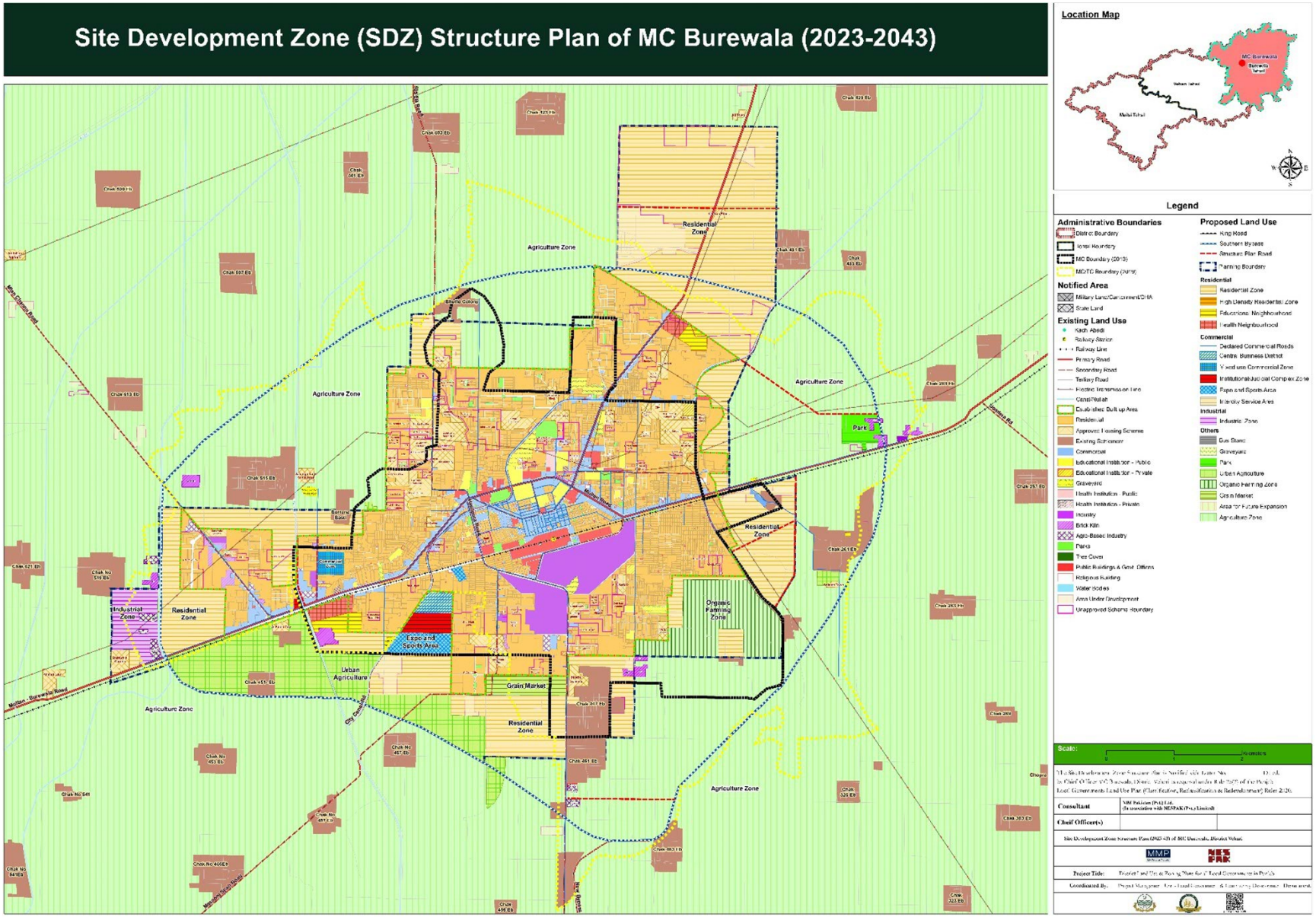
The Established Built-Up Area (EBA) of Burewala, spanning 6,297 acres and housing 295,450 residents, forms the core of the Site Development Zone (SDZ) Structure Plan, guiding the city's growth from 2023 to 2043. This Site Development Zone (SDZ) plan takes a strategic and comprehensive approach, focusing on optimal land and resource allocation to meet Burewala's unique needs.

Table 3-37: Land Use Distribution of Site Development Zone (SDZ) Proposal for Municipal Committee Burewala

Site Development Zones		
Site Development Zones		
Residential Zones		
Residential	3,542.40	96.60%
Education Neighbourhood	69.2	1.89%
Health Neighbourhood	55.5	1.51%
Total	**3,667.10**	100%
Commercial Zones		
High Density Business Hub	34.1	18.06%
Institution	2.8	1.48%

Site Development Zones		
Low Income Market/Public Space	48.2	25.53%
Middle Income Shopping	32.9	17.43%
Sports Complex	70.8	37.50%
Total	**188.8**	100%
Industrial Zones		
Industrial	100.2	100%
Total	**100.2**	100%
Other Zones		
Other Uses		
Park	63	100%
Total	**63**	100%
Agriculture Sub Zones		
Prime Agriculture Land	267	17.90%
Urban Agriculture/Orchard	784	52.56%
Hybrid Fruit Production	358.5	24.04%
Cattle and Grain Market	82	5.50%
Total	**1491.5**	100%
Grand Total	**5,510.60**	

Map 13: Proposed Site Development Zone Structure Plan of Municipal Committee Burewala



3.4.3 Proposed Site Development Zone Structure Plan of Gaggo Mandi (Urban Settlements)

3.4.3.1 Projected Population (2023-2043), Area Requirement, Density Estimation

Existing population has been determined taking Population Census 2017 record as the base value.

Table 3-38: Population Projection for Site Development Zone (SDZ) of Gaggo Mandi

Population Projection for Site Development Zone (SDZ) Gaggo Mandi (TC)						
Description	Census Population (2017)	Growth Rate (2017)	Growth Rate for Projection till 2022	Projected Population (2022)	Considered Growth Rate beyond 2022 till 2043	Projected Population (2043)
EBA Population	24,437	2.31%	2.31%	28,026	2.31%	45,273
TC Population	45,078	2.31%	2.31%	50,531	2.31%	81,627

The PMU Consultant considered the built-up area population (calculated the actual population blocks from the existing built-up area). Hence, the base population 28,025 and projected population 45,273 by 2043.

Existing and Desired Population Density

Table 3-39: Proposed Area for Site Development Zone (SDZ) of Gaggo Mandi

Current Scenario (2023 - 2023)			Area Required for higher order infrastructure for rural population	Existing EBA area (2022)	Area available for infill development	Future Area Requirement (2043)
EBA Projected Population (2043)	Proposed Desired Density persons per acre	Proposed Future Area Requirement				Additional Area Required
45,273	42	1,077	884	800	180	981

Fact Sheet for Site Development Zone (SDZ) Structure Plan of Gaggo Mandi

The fact sheet provides essential data for understanding the current and future population and land area requirements for planning and development in the Gaggo Mandi Town Committee area from 2023 to 2043. It also highlights the planned density and the additional land needed to accommodate the projected population growth.

Table 3-40: Fact Sheet for Site Development Zone (SDZ) Area Calculation of Established Built-up Area (EBA) Gaggo Mandi for Plan Period (2023 - 2043)

Fact Sheet for Area Calculation of Gaggo Mandi for Plan Period 2023-2043	
TC Area 2019	3,978
Area of EBA (2022) Acres	800
Growth Rate	2.31%
Projected EBA Population 2022	28,026
Projected Population of EBA (2043)	45,273
Projected Population of MC (2043)	81,627
EBA population is being used for future area calculation	
Population density of EBA 2022, PPA	35
Proposed Increase in Overall Density (2043)	20%
Desired Density 2043, PPA	42
Area required for future city population 2043 (Acres)	1,077
Area required for higher order infrastructure for rural population	884
Total area required for the city 2043	1,961
Area available for Infill development	180
New area to be added by 2043 (Acres)	**981**

3.4.3.2 Gap Analysis

The table below shows the observed range of land use proportions at city scale in National Reference Manual:

Table 3-41: Land Use Distribution at City level from NRM

City Town Population Size Class	Residential	Industrial	Commercial	Institutional	Arterial circulation/ Terminals	Recreational open spaces	Graveyards	Vacant
All size Classes	**24-50%**	**2-20%**	**0.5-5%**	**2-21%**	**2-29%**	**0.5-7%**	**0.5-6%**	**3-45%**
470,459	24-45%	2-5%	1-3%	2-9%	13-20%	2-5%	0.5-3%	3-10%

Gap Analysis for Future Land Use

This table provides valuable information for urban planners and policymakers to guide land use allocation and development strategies to align with future planning goals in Burewala.

Table 3-42: GAP Analysis of Future Land Uses in Gaggo Mandi

Land Use Distribution of Net Area Required for preparation of Site Development Zone							
Land Use Class	Land Use proportion Current EBA (A)		Recommended Land Use Allocation Standard as per NRM (B)	Desired proportion of the city (from residential schemes (I)	Desired proportion of the city (outside residential areas (II)	Desired proportion, Total (C)	Future Land Requirement per desired proportion D= (Future Land * C)
	Area*	Percentage					Area (Acres)
Residential (Planned Housing Schemes)			24-50%	100%	0%	100%	981
Net Residential	367.40	45.92%	50%	50%	0.0%	50%	491
Commercial	59.50	7.44%	0.5-5%	4%	0.0%	4%	39
Institutional*	32.90	4.11%	2-21%	6%	0.0%	6%	59
Education (Public + Private)	17.30	2.16%	3%		0.0%	0%	0
Health (Public + Private)	5.30	0.66%	3%		0.0%	0%	0
Public Building	10.30	1.29%	3%		0.0%	0%	0
Industrial	0.30	0.04%	2-20%	0%	0.0%	0%	0
Parks	5.40	0.67%	0.5-7%	8%	0.0%	8%	79
Graveyard	4.50	0.56%	0.5-6%	2%	0.0%	2%	20
Other land uses (Bus Terminal, Airport, Water Works, Water bodies, Vacant area, Transportation, Stadium, Roads)	330.10	41.26%	2-29%	30%	0.0%	30%	294
Total Area	**800**	**100%**		**100%**	**0%**	**100%**	**981**

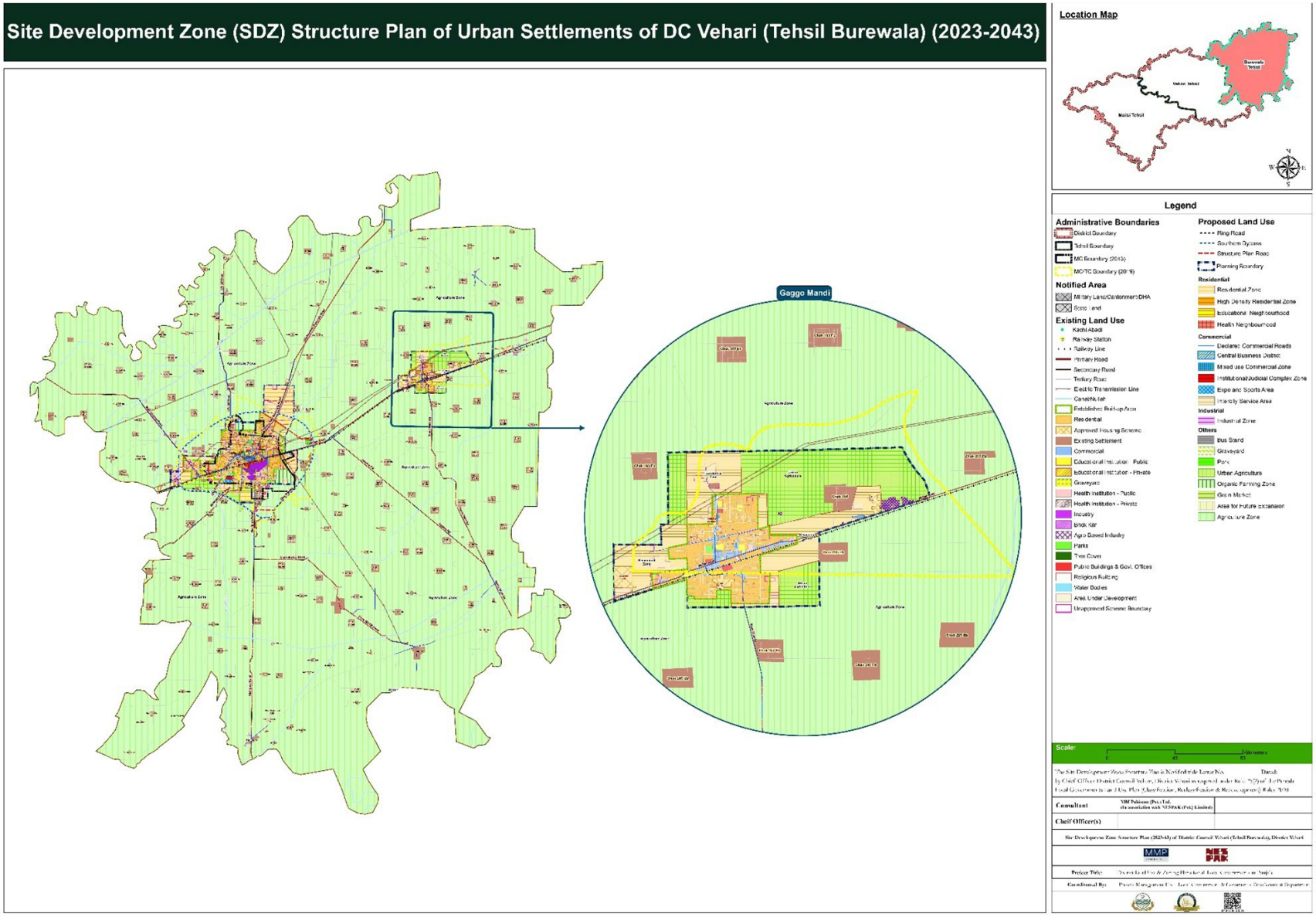
3.4.3.3 Proposed Site Development Zone Structure Plan

The Established Built-Up Area (EBA) of Gaggo Mandi Town Committee spans 800 acres and houses a population of 28,026, serving as the foundation for the Site Development Zone Structure Plan. Covering the period from 2023 to 2043, this comprehensive plan for Machiwal city adopts a holistic and strategic approach to guide urban growth.

Table 3-43: Land Use Distribution of Site Development Zone (SDZ) Proposal for Established Built-up Area (EBA) Gaggo Mandi

Site Development Zones	
Proposed Zones	**Area (Acres)**
Residential Zones	
Residential	980.42
Total	**980.42**
Allied Agriculture Zones	
Urban Agriculture/Orchard	1,201.80
Total	**1,201.80**
Grand Total	**2,182.23**

Map 14: Site Development Zone (SDZ) Structure Plan District Council Vehari (Tehsil Burewala)



3.4.4 Site Development Zone (SDZ) for Small Settlements/Addas of Tehsil Burewala

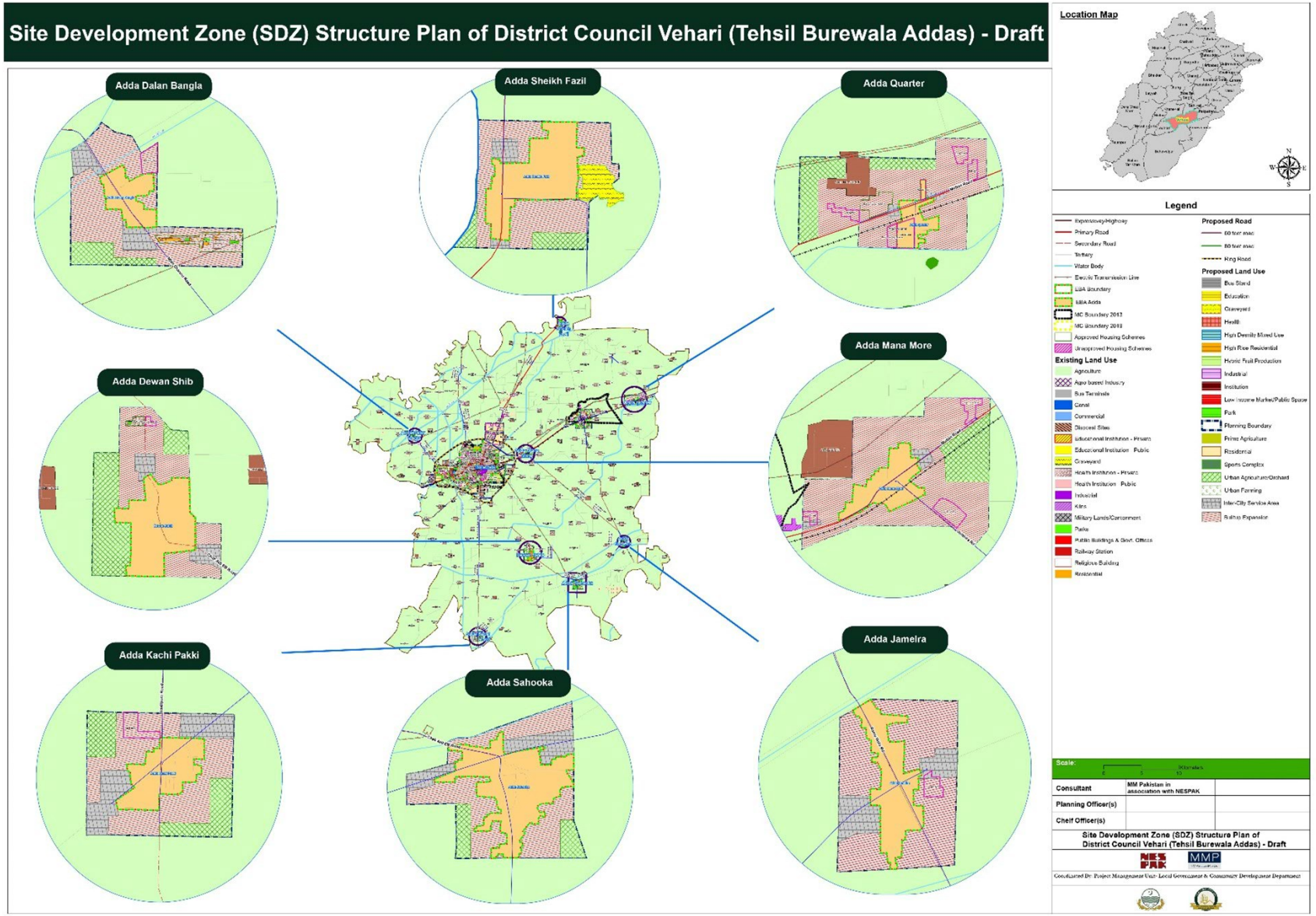
In parallel to the planning initiatives in Vehari Tehsil, a similar approach is being taken in Tehsil Burewala within the Vehari district council. This strategic effort extends the implementation of Spatial Development Zones (SDZ) to eight identified addas, addressing the unique developmental needs of each settlement in a meticulously tailored manner.

In these designated SDZ, the development framework is structured into key zones. The Intercity Service Area takes precedence, serving as the hub for essential services vital to the entire settlement. This zone encompasses markets, educational institutions, healthcare facilities, and administrative offices, ensuring the community's core needs are met efficiently. The Agricultural/Orchards Zone, on the other hand, emphasizes the sustainable utilization and preservation of agricultural land and orchards, honoring the area's rich agricultural heritage. Additionally, the Area of Expansion is demarcated, pinpointing specific regions where future growth and development will unfold in an organized fashion.

By employing this meticulous zoning strategy, the Tehsil Burewala Spatial Development Zones not only preserve the unique character of each settlement but also foster their sustainable growth. Through this approach, current needs are met, agricultural traditions are safeguarded, and provisions are made for future expansion, marking a significant stride toward systematic and balanced development in these communities within Tehsil Burewala. Following is given the list of EBA of addas/smaller settlements of Tehsil Burewala for SDZ.

- Adda Dalan Bangla
- Adda Sheikh Fazil
- Adda quarter
- Adda Mana More
- Adda Jamelra
- Adda Shahooka
- Adda Katchi Pakki
- Dewan Sahab

Map 15: Site Development Zone Structure Plan of District Council Vehari (Tehsil Burewala Addas)



3.5 Tehsil Mailsi

Tehsil Mailsi hosts a total of 10 Established Built-Up Areas (EBAs), strategically distributed to accommodate the diverse urban landscape. Within this allocation, one EBA is exclusively designated for the Municipal Committee Mailsi, serving as the central administrative nucleus. Another EBA is earmarked for the town committees of Garh Mor, Tibba Sultanpur, Karampur, Mithru and Jalla Jeem contributing to the systematic urban planning of the region. The remaining four EBAs cater to the specific requirements of various addas and smaller settlements, reflecting a comprehensive approach that addresses the unique characteristics of each locality.

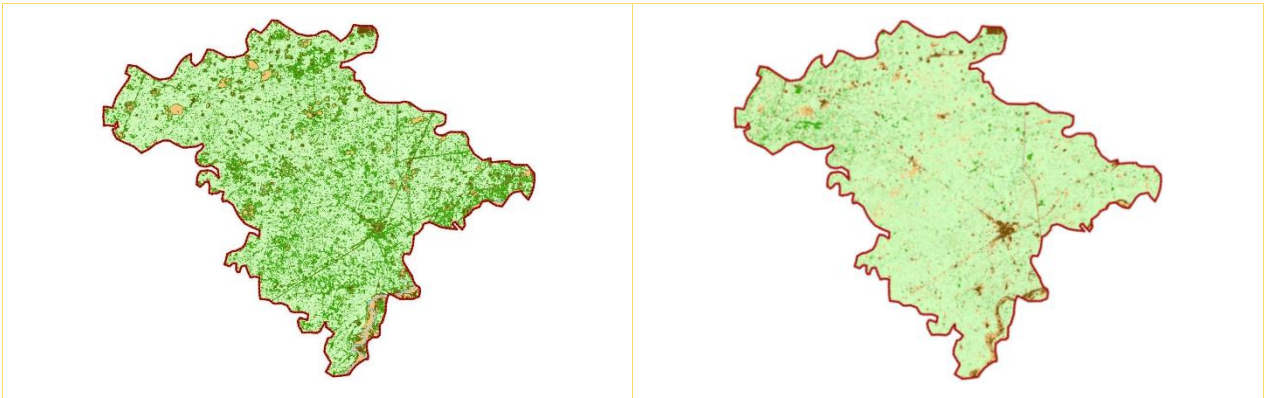
3.5.1 Exploring Past Trends of Land Use Transformation in Tehsil Mailsi

Table 3-44: Land cover change analysis for past 32 years in Tehsil Mailsi

Tehsil Mailsi						
	1990		2022		Change (2022-1990)	
LC	**Area (Acres)**	**Percentage**	**Area (Acres)**	**Percentage**	**Area (Acres)**	**Percentage**
Agriculture	59,491,764	60.88%	55,221,049	56.51%	-4,270,716	-7.18%
Shrubs & Trees	29,629,125	30.32%	24,973,914	25.56%	-4,655,211	-15.71%
Built Up	5,370,827	5.50%	8,670,667	8.87%	3,299,840	61.44%
Barren Land	2,764,117	2.83%	8,609,632	8.81%	5,845,516	211.48%
Water	463,569	0.47%	244,140	0.25%	-219,429	-47.33%
Total	**97,719,402**	**100%**	**97,719,402**	**100%**		

The table shows the percentage of different land cover types in Tehsil Mailsi in 1990 and 2022. In 1990, agriculture was the most dominant land cover type, covering 60.88% of the land area, followed by shrubs and trees at 30.32%, built-up areas at 5.5%, barren land at 2.83%, and water at 0.47%. In 2022, agriculture remained the most dominant land cover type, covering 57.18% of the land area, followed by shrubs and trees at 25.91%, built-up areas at 8.98%, barren land at 7.7%, and water at 0.23%. This data suggests that agriculture is the most important land use in the Tehsil and has remained dominant over the years. However, the percentage of shrubs and trees has decreased, while

Table 3-45: Comparative Analysis of Land Cover Map of Tehsil Mailsi



Land Cover Map of Tehsil Mailsi (1990)	Land Cover Map of Tehsil Mailsi (2022)

3.5.2 Proposed Site Development Zone Structure Plan of Municipal Committee Mailsi

3.5.2.1 Analysing Growth Trends

The current state of land development in MC Mailsi shows that the city's growth is not following any zoning plan, and incompatible land uses have been placed together. Therefore, the study proposes a proper zoning plan for future horizon planning periods to ensure proper and compatible land use in the city's growth.

Table 3-46: Spatio-Temporal Growth Trend of Municipal Committee Mailsi

Municipal Committee Mailsi		
Year	**Established Built-up Area (Acre)**	**Increase in Area (Acre)**
1990	238	
2007	966	728
2012	1,327	361
2017	1,951	624
2022	3,123	1,172

Map 16: Growth Trend Map of Municipal Committee Mailsi

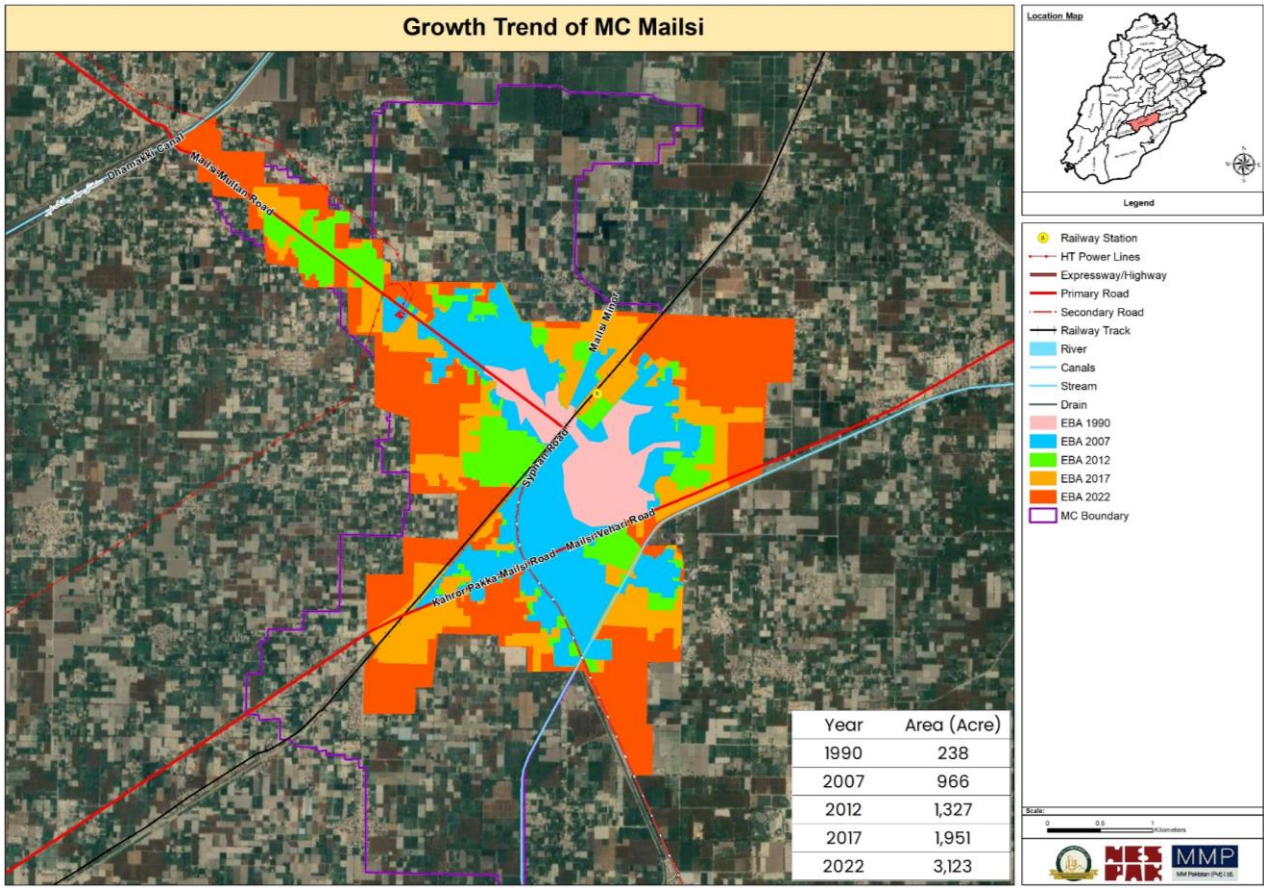
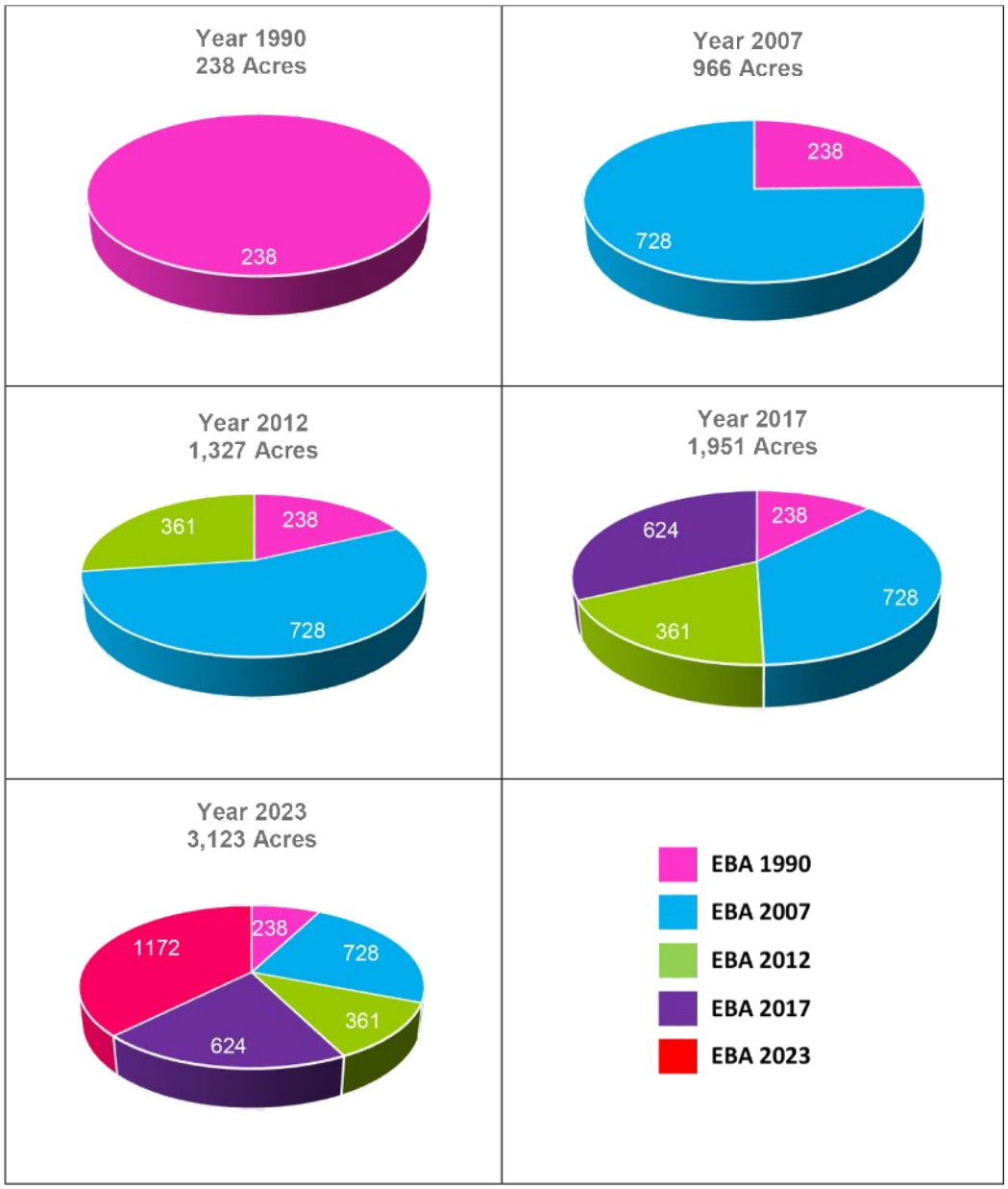


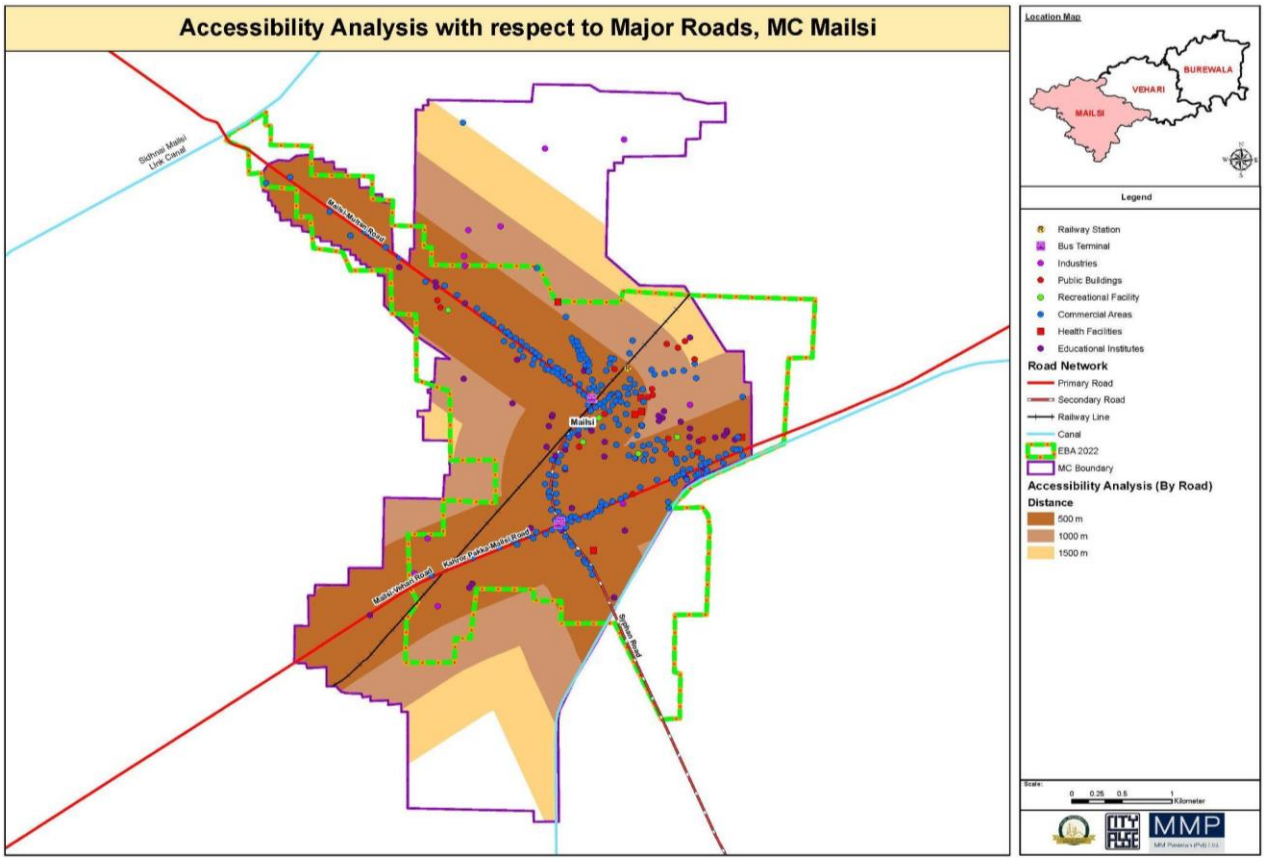
Figure 3-5: Urban Growth rate analysis of the Established Built-up Area (EBA) within Municipal Committee Mailsi 1990-2023



3.5.2.2 Accessibility Analysis

The figure below illustrates the accessibility in relation to major roads, within MC Mailsi. Notably, distinct buffer zones spanning 500, 1,000, and 1,500 meters have been meticulously delineated for each primary road within the geographical limits of MC Mailsi. These buffer zones serve as a strategic tool, illustrating the scope of accessibility emanating from these pivotal roadways. Additionally, the map is adorned with specific points of interest (POIs), thoughtfully marked for reference.

Map 17: Accessibility Analysis w.r.t Roads, Municipal Committee Mailsi



3.5.2.3 Projected Population (2023-2043), Density Estimation, Area Requirement

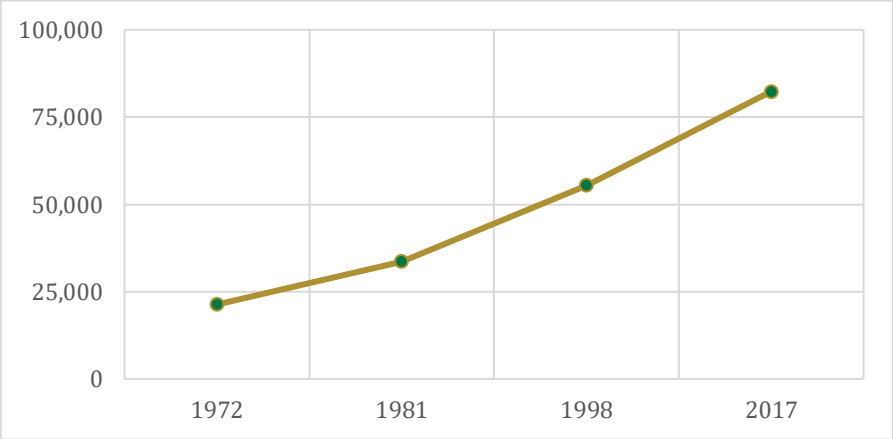
Existing and Projected Population

The population of Mailsi city has been steadily increasing at a consistent growth rate. From 21,318 in 1972, it has surged to 82,322 by the year 2017. The inter-census population growth is detailed in the table below:

Table 3-47: Population Increases for Municipal Committee Mailsi

Municipal Committee Name	Population Census 1972-09-16	Population Census 1981-03-01	Population Census 1998-03-01	Population Census 2017-03-15
Burewala	21,318	33,652	55,434	82,322

Figure 3-6: Population Increase from 1972-2017 of Municipal Committee Mailsi



Existing population has been determined taking Population Census 2017 record as the base value.

Table 3-48: Population Projection for Site Development Zone (SDZ) of Municipal Committee Mailsi

Population Projection for Site Development Zone (SDZ) Mailsi (Municipal Committee)						
Description	Census Population (2017)	Growth Rate (2017)	Growth Rate for Projection till 2022	Projected Population (2022)	Considered Growth Rate beyond 2022 till 2043	Projected Population (2043)
EBA Population	146,316	2.31%	2.31%	143,012	2.31%	236,358
MC Population	82,322	2.31%	2.31%	92,280	2.31%	149,069

The PMU Consultant considered the built-up area population (calculated the actual population blocks from the existing built-up area). Hence, the base population 146,316 and projected population 236,358 by 2043.

Existing and Desired Population Density

The established built-up area of MC Mailsi spans 3,123 acres, with a current population density of 47 persons per acre. Excluding the 790 acres of vacant land, the developed area covers 2,333 acres, resulting in an adjusted density of 62.7 persons per acre. To achieve the future desired density of 56 persons per acre, a 20% increase from the current density is suggested. This increase is recommended as the current density is lower than optimal for future urban growth.

Table 3-49: Population Density for Site Development Zone (SDZ) of Municipal Committee Mailsi

Current Scenario (2022 - 2043)			Proposed Increase in Overall Density (2043) persons per acre	Projection (2043)	
EBA Area (Acres)	Established Built Area Population (2022)	Density (2022) persons per acre		Established Built Area Population (2043)	Desired Density (2043) persons per acre
3,123	146,316	47	20%	236,358	56

Proposed Future Area Requirement

Table 3-50: Increase in Area of Established Built-up Area (EBA) Mailsi

Increase in EBA Area Mailsi	
Description	**Area (Acres)**
EBA Area 2007	1,951
EBA Area 202	3,123
Increase in EBA Area in last 15 Years	1,172 (60%)

The proposed future area requirements of Mailsi MC have been estimated by dividing the projected population (2043) of EBA Mailsi by the proposed desired density (56 persons per acre). It comes out to be 4,204 acres. Additionally, the allocation of 2,023 acres from the area needed for higher-order infrastructure to cater the needs of nearby rural settlements of Tehsil Mailsi. Consequently, the total area required for the city in 2043 is projected to be 6,228 acres. The future suggested area value will be derived by subtracting the EBA area and Infill sites from the total area needed in 2043, resulting in 2,315 acres.

Table 3-51: Proposed Area for Site Development Zone (SDZ) of Municipal Committee Mailsi

Current Scenario (2023 - 2023)			Area Required for higher order infrastructure for rural population	Existing EBA area (2022)	Area available for infill development	Future Area Requirement (2043)
EBA Projected Population (2043)	Proposed Desired Density persons per acre	Proposed Future Area Requirement				Additional Area Required
236,358	56	4,204	2,023	3,123	790	2,315

Fact Sheet for Site Development Zone (SDZ) Structure Plan Established Built-up Area (EBA) Mailsi

The fact sheet provides essential data for understanding the current and future population and land area requirements for planning and development in the Vehari Municipal Committee area from 2023 to 2043. It also highlights the planned density and the additional land needed to accommodate the projected population growth.

Table 3-52: Fact Sheet for Site Development Zone (SDZ) Area Calculation of Established Built-up Area (EBA) Mailsi for Plan Period (2023 - 2043)

Fact Sheet for Area Calculation for Plan Period 2023-2043	
MC Area 2013	1,992
Area of EBA (2022) Acres	3,123
Growth Rate	2.31%
Projected EBA Population 2022	146,316
Projected Population of EBA (2043)	236,358
Projected Population of MC (2043)	149,069
EBA population is being used for future area calculation.	
Population density of EBA 2022, PPA	47
Proposed Increase in Overall Density (2043)	20%
Desired Density 2043, PPA	56
Area required for future city population 2043 (Acres)	4,204
Area required for higher order infrastructure for rural population	2,023
Total area required for the city 2043	6,228
Area available for Infill development	790
New area to be added by 2043 (Acres)	**2,315**

3.5.2.4 Gap Analysis

This table provides valuable information for urban planners and policymakers to guide land use allocation and development strategies to align with future planning goals in Mailsi.

Table 3-53: GAP Analysis of Future Land Uses in Municipal Committee Mailsi

Land Use Distribution of Net Area Required for preparation of Site Development Zone							
Land Use Class	Land Use proportion Current EBA (A)		Recommended Land Use Allocation Standard as per NRM (B)	Desired proportion of the city (from residential schemes (I)	Desired proportion of the city (outside residential areas (II)	Desired proportion, Total (C)	Future Land Requirement per desired proportion D= (Future Land * C)
	Area*	Percentage					Area (Acres)
Residential (Planned Housing Schemes)			24-50%	80%	0%	80%	1,852
Net Residential	1,496.40	47.91%	50%	40%	0%	40%	926
Commercial	210.36	6.74%	0.5-5%	3%	2%	5%	120
Institutional*	93.60	3.00%	2-21%	5%		5%	111
Education (Public + Private)	49.40	1.58%	3%		2%	2%	46
Health (Public + Private)	15.70	0.50%	3%		1%	1%	23
Public Building	28.50	0.91%	3%		1%	1%	23
Industrial	26.30	0.84%	2-20%	0%	4%	4%	93
Parks	10.91	0.35%	0.5-7%	6%	4%	10%	241
Graveyard	44.30	1.42%	0.5-6%	2%	3%	5%	106
Other land uses (Bus Terminal, Airport, Water Works, Water bodies, Vacant area, Transportation, Stadium, Roads)	1,241.32	39.75%	2-29%	24%	3%	27%	625
Total Area	**3,123**	**100%**		**80%**	**20%**	**100%**	**2,315**

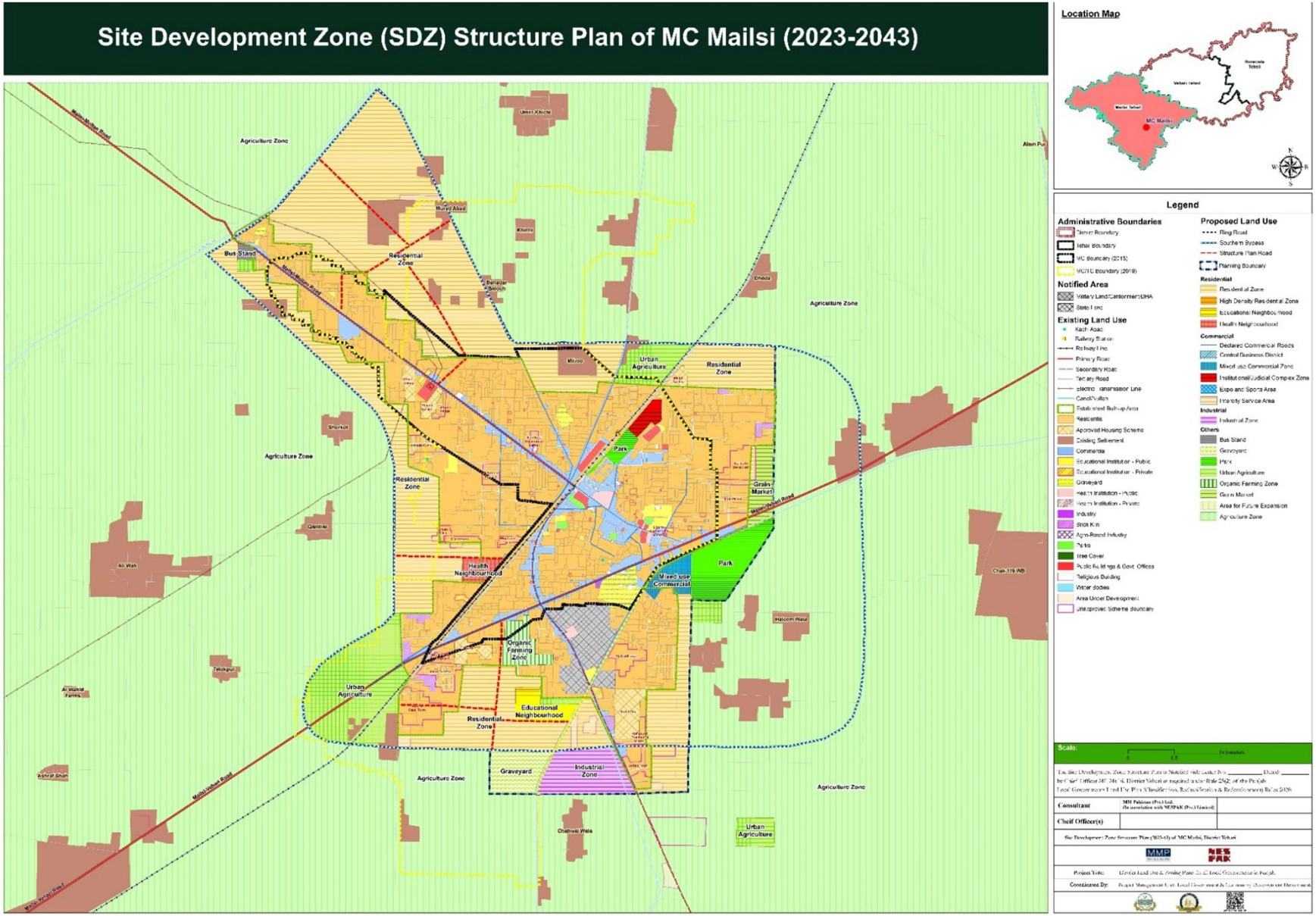
3.5.2.5 Proposed Site Development Zone Structure Plan

The Established Built-Up Area (EBA) of the Mailsi Municipal Committee spans 3,123 acres and houses a population of 146,316 residents, laying the groundwork for the Site Development Zone Structure Plan that charts Mailsi City's growth trajectory from 2023 to 2043. This intricately designed Site Development Zone (SDZ) plan adopts a comprehensive and strategic approach to urban planning, considering crucial factors to ensure precise land and resource allocation tailored to Mailsi City's distinctive requirements.

Table 3-54: Land Use Distribution of Site Development Zone (SDZ) for Municipal Committee Mailsi

Site Development Zones		
Proposed Zones	**Area (Acres)**	**%age**
Residential Zones		
Residential	1,892.40	96.87%
Education Neighbourhood	40.1	2.05%
Health Neighbourhood	21	1.07%
Total	**1,953.50**	100%
Commercial Zones		
Mixed use Commercial	35.6	66.42%
Institution	17.9	33.40%
Total	**53.6**	100%
Industrial Zones		
Industrial	100.3	100%
Total	**100.3**	100%
Other Uses		
Bus Stand	6.6	3.37%
Park	122.5	62.60%
Graveyard	66.6	34.03%
Total	**195.7**	100%
Allied Agriculture Zones		
Urban Agriculture/Orchard	465.7	84.46%
Urban Vegetation	45.5	8.25%
Grain and Vegatbale Market	40.3	7.31%
Total	**551.4**	100%
Grand Total	**2,854.50**	

Map 18: Site Development Zone (SDZ) Structure Plan of Municipal Committee Mailsi



3.5.3 Proposed Site Development Zone Structure Plan of Garh Mor (Urban Settlements)

3.5.3.1 Projected Population (2023-2043), Area Requirement, Density Estimation

Existing and Projected Population

Existing population has been determined taking Population Census 2017 record as the base value.

Table 3-55: Population Projection for Site Development Zone (SDZ) of Garh Mor

Population Projection for Site Development Zone (SDZ) Garh Mor						
Description	Census Population (2017)	Growth Rate (2017)	Growth Rate for Projection till 2022	Projected Population (2022)	Considered Growth Rate beyond 2022 till 2043	Projected Population (2043)
EBA Population	6,457	1.95%	1.95%	7,405	1.95%	11,962
MC Population	31,706	1.95%	1.95%	35,541	1.95%	57,413

The PMU Consultant considered the built-up area population (calculated the actual population blocks from the existing built-up area). Hence, the base population 6,457 and projected population 11,962 by 2043.

Existing and Desired Population Density

The established built-up area of TC Garh Mor covers a land expanse of 241 acres, accommodating a present population of 7,238 individuals. This equates to a density of 30.06 persons per acre within the established built-up area. So, an increase of almost 20% in current density of EBA 30.06 persons/acre is suggested to achieve the overall desired density of 36 persons/ acre in future planning.

Table 3-56: Population Density for Site Development Zone (SDZ) of Garh Mor

Current Scenario (2022 - 2043)			Proposed Increase in Overall Density (2043) persons per acre	Projection (2043)	
EBA Area (Acres)	Established Built Area Population (2022)	Density (2022) persons per acre		Established Built Area Population (2043)	Desired Density (2043) persons per acre
241	7,238	30.06	20%	11,692	36

Proposed Future Area Requirement

The proposed future area requirements of Garh Mor MC have been estimated by dividing the projected population (2043) of EBA Garh Mor by the proposed desired density (37 persons per acre). It comes out to be 324 acres. Additionally, the allocation of 202 acres from the area needed for higher-order infrastructure to cater the needs of nearby rural settlements of Tehsil Mailsi. Consequently, the total area required for the city in 2043 is projected to be 526 acres. The future suggested area value will be derived by subtracting the EBA area and Infill sites from the total area needed in 2043, resulting in 235 acres.

Table 3-57: Proposed Area for Site Development Zone (SDZ) of Garh Mor

Current Scenario (2023 - 2043)			Area Required for higher order infrastructure for rural population	Existing EBA area (2022)	Area available for infill development	Future Area Requirement (2043)
EBA Projected Population (2043)	Proposed Desired Density persons per acre	Proposed Future Area Requirement				Additional Area Required
11,962	37	324	202	241	51	235

Fact Sheet for Site Development Zone (SDZ) Structure Plan EBA Garh Mor

The fact sheet provides essential data for understanding the current and future population and land area requirements for planning and development in the Garh Mor Town Committee area from 2023 to 2043. It also highlights the planned density and the additional land needed to accommodate the projected population growth.

Table 3-58: Fact Sheet for Site Development Zone (SDZ) Area Calculation of Established Built-up Area (EBA) Garh Mor for Plan Period (2023 - 2043)

Fact Sheet for Area Calculation of Garh Mor for Plan Period 2023-2043	
TC Area 2019	7,879
Area of EBA (2022) Acres	241
Growth Rate	2.31%
Projected EBA Population 2022	7,405
Projected Population of EBA (2043)	11,962
Projected Population of MC (2043)	57,413
EBA population is being used for future area calculation.	
Population density of EBA 2022, PPA	31
Proposed Increase in Overall Density (2043)	20%
Desired Density 2043, PPA	37
Area required for future city population 2043 (Acres)	324
Area required for higher order infrastructure for rural population	202
Total area required for the city 2043	526
Area available for Infill development	51
New area to be added by 2043 (Acres)	**235**

3.5.3.2 Gap Analysis

This table provides valuable information for urban planners and policymakers to guide land use allocation and development strategies to align with future planning goals in TC Garh Mor.

Table 3-59: GAP Analysis of Future Land Uses in Garh Morr

Land Use Distribution of Net Area Required for preparation of Site Development Zone							
Land Use Class	Land Use proportion Current EBA (A)		Recommended Land Use Allocation Standard as per NRM (B)	Desired proportion of the city (from residential schemes (I)	Desired proportion of the city (outside residential areas (II)	Desired proportion, Total (C)	Future Land Requirement per desired proportion D= (Future Land * C)
	Area*	%Age					Area (Acres)
Residential (Planned Housing Schemes)			24-50%	100%	0%	100%	235
Net Residential	100.60	41.78%	50%	50%	0%	50%	117
Commercial	43.30	17.98%	0.5-5%	4%	0%	4%	9
Institutional*	5.90	2.45%	2-21%	6%	0%	6%	14
Education (Public + Private)	2.70	1.12%	3%		0%	0%	0
Health (Public + Private)	2.60	1.08%	3%		0%	0%	0
Public Building	0.60	0.25%	3%		0%	0%	0
Industrial	0.00	0.00%	2-20%	0%	0%	0%	0
Parks	0.00	0.00%	0.5-7%	8%	0%	8%	19
Graveyard	0.00	0.00%	0.5-6%	2%	0%	2%	5
Other land uses*	90.97	37.78%	2-29%	30%	0%	30%	70
Total Area	**241**	**100%**		**100%**	**0.00%**	**100%**	**235**

*(Bus Terminal, Airport, Water Works, Water bodies, Vacant area, Transportation, Stadium, Roads)

3.5.3.3 Proposed Site Development Zone Structure Plan

The Established Built-Up Area (EBA) of the Garh Mor Town Committee spans 241 acres and houses a population of 11,962 residents, laying the groundwork for the Site Development Zone Structure Plan that charts Garh Mor City's growth trajectory from 2023 to 2043. This intricately designed Site Development Zone (SDZ) plan adopts a comprehensive and strategic approach to urban planning, considering crucial factors to ensure precise land and resource allocation tailored to Garh Mor City's distinctive requirements.

Table 3-60: Land Use Distribution of Site Development Zone (SDZ) Proposal for Established Built-up Area (EBA) Garh Mor

Site Development Zones		
Proposed Zones	**Area (Acres)**	%age
Residential Zones		
Residential	245.4	100%
Total	**245.4**	100%
Allied Agriculture Zones		
Urban Agriculture/Orchard	327.22	100%
Total	**327.22**	100%
Grand Total	**572.62**	

3.5.4 Proposed Site Development Zone Structure Plan of Tibba Sultanpur (Urban Settlement)

3.5.4.1 Projected Population (2023-2043), Area Requirement, Density Estimation

Existing and Projected Population

Existing population has been determined taking Population Census 2017 record as the base value.

Table 3-61: Population Projection for Site Development Zone (SDZ) of Tibba Sultanpur

Population Projection for Site Development Zone (SDZ) Tibba Sultanpur						
Description	**Census Population (2017)**	**Growth Rate (2017)**	**Growth Rate for Projection till 2022**	**Projected Population (2022)**	**Considered Growth Rate beyond 2022 till 2043**	**Projected Population (2043)**
EBA Population	16,396	1.95%	1.95%	18,410	1.95%	27,618
TC Population	14,789	1.95%	1.95%	16,288	1.95%	24,435

The PMU Consultant considered the built-up area population (calculated the actual population blocks from the existing built-up area). Hence, the base population 18,410 and projected population 27,618 by 2043.

Existing and Desired Population Density

The established built-up area of TC Tibba Sultanpur covers a land expanse of 607 acres, accommodating a present population of 18,410 individuals. This equates to a density of 30 persons per acre within the established built-up area. So, an increase of almost 20% in current density of EBA 30 persons/acre is suggested to achieve the overall desired density of 36 persons/ acre in future planning.

Table 3-62: Population Density for Site Development Zone (SDZ) of Tibba Sultanpur

Current Scenario (2022 - 2043)			Proposed Increase in Overall Density (2043) persons per acre	Projection (2043)	
EBA Area (Acres)	**Established Built Area Population (2022)**	**Density (2022) persons per acre**		**Established Built Area Population (2043)**	**Desired Density (2043) persons per acre**
607	18,410	30	20%	27,618	36

Proposed Future Area Requirement

The proposed future area requirements of Tibba Sultanpur TC have been estimated by dividing the projected population (2043) of EBA Tibba Sultanpur by the proposed desired density (36 persons per acre). It comes out to be 759 acres. Additionally, the allocation of 840 acres from the area needed for higher-order infrastructure to cater the needs of nearby rural settlements of Tehsil Mailsi. Consequently, the total area required for the city in 2043 is projected to be 1,467 acres. The future suggested area value will be derived by subtracting the EBA area and Infill sites from the total area needed in 2043, resulting in 549 acres.

Table 3-63: Proposed Area for Site Development Zone (SDZ) of Tibba Sultanpur

Current Scenario (2023 - 2043)			Area Required for higher order infrastructure for rural population	Existing EBA area (2022)	Area available for infill development	Future Area Requirement (2043)
EBA Projected Population (2043)	Proposed Desired Density persons per acre	Proposed Future Area Requirement				Additional Area Required
27,618	36	759	840	607	311	681

Fact Sheet for Site Development Zone (SDZ) Structure Plan Established Built-up Area (EBA) Tibba Sultanpur

The fact sheet provides essential data for understanding the current and future population and land area requirements for planning and development in the Tibba Sultanpur Town Committee area from 2023 to 2043. It also highlights the planned density and the additional land needed to accommodate the projected population growth.

Table 3-64: Fact Sheet for Site Development Zone (SDZ) Area Calculation of Established Built-up Area (EBA) Tibba Sultanpur for Plan Period (2023 - 2043)

Fact Sheet for Area Calculation for Plan Period 2023-2043	
TC Area 2019	5,710
Area of EBA (2022) Acres	607
Growth Rate	1.95%
Projected EBA Population 2022	18,410
Projected Population of EBA (2043)	27,618
Projected Population of MC (2043)	24,435
EBA population is being used for future area calculation.	
Population density of EBA 2022, PPA	30
Proposed Increase in Overall Density (2043)	20%
Desired Density 2043, PPA	36
Area required for future city population 2043 (Acres)	759
Area required for higher order infrastructure for rural population	840
Total area required for the city 2043	1,598
Area available for Infill development	311
New area to be added by 2043 (Acres)	**681**

3.5.4.2 Gap Analysis

This table provides valuable information for urban planners and policy makers to guide land use allocation and development strategies to align with future planning goals in Tibba Sultanpur.

Table 3-65: GAP Analysis of Future Land Uses in Tibba Sultanpur

Land Use Distribution of Net Area Required for preparation of Site Development Zone							
Land Use Class	Land Use proportion Current EBA (A)		Recommended Land Use Allocation Standard as per NRM (B)	Desired proportion of the city (from residential schemes (I)	Desired proportion of the city (outside residential areas (II)	Desired proportion, Total (C)	Future Land Requirement per desired proportion D= (Future Land * C)
	Area*	Percentage					Area (Acres)
Residential (Planned Housing Schemes)			24-50%	100%	0%	100%	681
Net Residential	158.80	26.17%	50%	50%	0%	50%	340
Commercial	31.40	5.17%	0.5-5%	4%	0%	4%	27
Institutional*	15.90	2.62%	2-21%	6%	0%	6%	41
Education (Public + Private)	9.10	1.50%	3%		0%	0%	0
Health (Public + Private)	2.00	0.33%	3%		0%	0%	0
Public Building	4.80	0.79%	3%		0%	0%	0
Industrial	0.00	0.00%	2-20%	0%	0%	0%	0
Parks	0.00	0.00%	0.5-7%	8%	0%	8%	54
Graveyard	31.40	5.17%	0.5-6%	2%	0%	2%	14
Other land uses (Bus Terminal, Airport, Water Works, Water bodies, Vacant area, Transportation, Stadium, Roads)	369.41	60.87%	2-29%	30%	0%	30%	204
Total Area	**607**	**100%**		**100%**	**0.00%**	**100%**	**681**

3.5.4.3 Proposed Site Development Zone Structure Plan

The Established Built-Up Area (EBA) of the Tibba Sultanpur Town Committee spans 607 acres and houses a population of 18,410 residents, laying the groundwork for the Site Development Zone Structure Plan that charts Tibba Sultanpur City's growth trajectory from 2023 to 2043. This intricately designed Site Development Zone (SDZ) plan adopts a comprehensive and strategic approach to urban planning, considering crucial factors to ensure precise land and resource allocation tailored to Tibba Sultanpur City's distinctive requirements.

Table 3-66: Land Use Distribution of Site Development Zone (SDZ) Proposal for Established Built-up Area (EBA) Tibba Sultanpur

Site Development Zones		
Proposed Zones	Area (Acres)	%age
Residential Zones		
Residential	688.34	100%
Total	**688.34**	100%
Allied Agriculture Zones		
Urban Agriculture/Orchard	216.11	100%
Total	**216.11**	100%
Grand Total	**904.45**	

3.5.5 Proposed Site Development Zone Structure Plan of Karampur (Urban Settlement)

3.5.5.1 Projected Population (2023-2043), Area Requirement, Density Estimation

Existing and Projected Population

Existing population has been determined taking Population Census 2017 record as the base value.

Table 3-67: Population Projection for Site Development Zone (SDZ) of Karampur

Population Projection for Site Development Zone (SDZ) Karampur						
Description	Census Population (2017)	Growth Rate (2017)	Growth Rate for Projection till 2022	Projected Population (2022)	Considered Growth Rate beyond 2022 till 2043	Projected Population (2043)
EBA Population	13,609	1.95%	1.95%	15,281	1.95%	22,924
TC Population	14,018	1.95%	1.95%	15,439	1.95%	23,161

The PMU Consultant considered the built-up area population (calculated the actual population blocks from the existing built-up area). Hence, the base population 15,281 and projected population 22,924 by 2043.

Existing and Desired Population Density

The established built-up area of TC Karampur covers a land expanse of 449 acres, accommodating a present population of 15,281 individuals. This equates to a density of 34 persons per acre within the established built-up area. Nevertheless, a portion of this area, around 88 acres, remains undeveloped. If we deduct this vacant land from the established built-up area, we're left with 361 acres. In this scenario, with a heightened density of 41.5 persons per acre, the adjusted population density reflects a different configuration. So, an increase of almost 20% in current density of EBA 34 persons/acre is suggested to achieve the overall desired density of 41 persons/ acre in future planning.

Table 3-68: Population Density for Site Development Zone (SDZ) of Karampur

Current Scenario (2022 - 2043)			Proposed Increase in Overall Density (2043) persons per acre	Projection (2043)	
EBA Area (Acres)	Established Built Area Population (2022)	Density (2022) persons per acre		Established Built Area Population (2043)	Desired Density (2043) persons per acre
449	15,281	34	20%	22,924	41

Proposed Future Area Requirement

The proposed future area requirements of Karampur TC have been estimated by dividing the projected population (2043) of EBA Karampur by the proposed desired density (41 persons per acre). It comes out to be 568 acres. Additionally, the allocation of 303 acres from the area needed for higher-order infrastructure to cater the needs of nearby rural settlements of Tehsil Mailsi. Consequently, the total area required for the city in 2043 is projected to be 871 acres. The future suggested area value will be derived by subtracting the EBA area and Infill sites from the total area needed in 2043, resulting in 334 acres.

Table 3-69: Proposed Area for Site Development Zone (SDZ) of Karampur

Current Scenario (2023 - 2043)			Area Required for higher order infrastructure for rural population	Existing EBA area (2022)	Area available for infill development	Future Area Requirement (2043)
EBA Projected Population (2043)	Proposed Desired Density persons per acre	Proposed Future Area Requirement				Additional Area Required
22,924	34	568	303	449	88	334

Fact Sheet for Site Development Zone (SDZ) Structure Plan Established Built-up Area (EBA) Karampur

The fact sheet provides essential data for understanding the current and future population and land area requirements for planning and development in the Karampur Town Committee area from 2023 to 2043. It also highlights the planned density and the additional land needed to accommodate the projected population growth.

Table 3-70: Fact Sheet for Site Development Zone (SDZ) Area Calculation of Established Built-up Area (EBA) Karampur for Plan Period (2023 - 2043)

Fact Sheet for Area Calculation of Karampur for Plan Period 2023-2043	
TC Area 2019	3,074
Area of EBA (2022) Acres	449
Growth Rate	1.95%
Projected EBA Population 2022	15,281
Projected Population of EBA (2043)	22,924
Projected Population of MC (2043)	23,161
EBA population is being used for future area calculation.	
Population density of EBA 2022, PPA	34
Proposed Increase in Overall Density (2043)	20%
Desired Density 2043, PPA	41
Area required for future city population 2043 (Acres)	568
Area required for higher order infrastructure for rural population	303
Total area required for the city 2043	871
Area available for Infill development	88
New area to be added by 2043 (Acres)	**334**

3.5.5.2 Gap Analysis

This table provides valuable information for urban planners and policymakers to guide land use allocation and development strategies to align with future planning goals in Karampur.

Table 3-71: GAP Analysis of Future Land Uses in Karampur

Land Use Class	Land Use proportion Current EBA (A)		Recommended Land Use Allocation Standard as per NRM (B)	Desired proportion of the city (from residential schemes (I)	Desired proportion of the city (outside residential areas (II)	Desired proportion, Total (C)	Future Land Requirement per desired proportion D= (Future Land * C)
	Area*	%Age					Area (Acres)
Residential (Planned Housing Schemes)			24-50%	100%	0%	100%	334
Net Residential	245.00	54.52%	50%	50%	0%	50%	167
Commercial	24.80	5.52%	0.5-5%	4%	0%	4%	13
Institutional*	9.40	2.09%	2-21%	6%	0%	6%	20
Education (Public + Private)	4.20	0.93%	3%		0%	0%	0
Health (Public + Private)	5.10	1.13%	3%		0%	0%	0
Public Building	0.10	0.02%	3%		0%	0%	0
Industrial	5.10	1.13%	2-20%	0%	0%	0%	0
Parks	2.60	0.58%	0.5-7%	8%	0%	8%	27
Graveyard	3.60	0.80%	0.5-6%	2%	0%	2%	7
Other land uses**	158.86	35.35%	2-29%	30%	0%	30%	100
Total Area	**449**	**100%**		**100%**	**0.00%**	**100%**	**334**

**(Bus Terminal, Airport, Water Works, Water bodies, Vacant area, Transportation, Stadium, Roads)

3.5.5.3 Proposed Site Development Zone Structure Plan

The Established Built-Up Area (EBA) of the Karampur Town Committee spans 449 acres and houses a population of 22,924 residents, laying the groundwork for the Site Development Zone Structure Plan that charts Karampur City's growth trajectory from 2023 to 2043. This intricately designed Site Development Zone (SDZ) plan adopts a comprehensive and strategic approach to urban planning, considering crucial factors to ensure precise land and resource allocation tailored to Karampur City's distinctive requirements.

Table 3-72: Land Use Distribution of Site Development Zone (SDZ) Proposal for Established Built-up Area (EBA) Karampur

Site Development Zones		
Proposed Zones	**Area (Acres)**	%age
Residential Zones		
Residential	336.32	100%
Total	**336.32**	100%
Allied Agriculture Zones		
Urban Agriculture/Orchard	306.64	100%
Total	**306.64**	100%
Grand Total	**642.96**	

3.5.6 Proposed Site Development Zone Structure Plan of Mithru (Urban Settlement)

3.5.6.1 Projected Population (2023-2043), Area Requirement, Density Estimation

Existing and Projected Population

Existing population has been determined taking Population Census 2017 record as the base value.

Table 3-73: Population Projection for Site Development Zone (SDZ) of Mithru

Population Projection for Site Development Zone (SDZ) Mithru						
Description	**Census Population (2017)**	**Growth Rate (2017)**	**Growth Rate for Projection till 2022**	**Projected Population (2022)**	**Considered Growth Rate beyond 2022 till 2043**	**Projected Population (2043)**
EBA Population	10,067	1.95%	1.95%	11,304	1.95%	16,957
TC Population	10,067	1.95%	1.95%	11,304	1.95%	16,633

The PMU Consultant considered the built-up area population (calculated the actual population blocks from the existing built-up area). Hence, the base population 11,304 and projected population 16,957 by 2043.

Existing and Desired Population Density

The established built-up area of TC Mithru covers a land expanse of 268 acres, accommodating a present population of 11,304 individuals. This equates to a density of 42 persons per acre within the established built-up area. Nevertheless, a portion of this area, around 56 acres, remains undeveloped. If we deduct this vacant land from the established built-up area, we're left with 2,328 acres. In this scenario, with a heightened density of 53 persons per acre, the adjusted population density reflects a different configuration. So, an increase of almost 20% in current density of EBA 42 persons/acre is suggested to achieve the overall desired density of 51 persons/ acre in future planning.

Table 3-74: Population Density for Site Development Zone (SDZ) of Mithru

Current Scenario (2022 - 2043)			Proposed Increase in Overall Density (2043) persons per acre	Projection (2043)	
EBA Area (Acres)	**Established Built Area Population (2022)**	**Density (2022) persons per acre**		**Established Built Area Population (2043)**	**Desired Density (2043) persons per acre**
268	11,304	42	20%	16,633	51

Proposed Future Area Requirement

The proposed future area requirements of Mithru TC have been estimated by dividing the projected population (2043) of EBA Mithru by the proposed desired density (51 persons per acre). It comes out to be 335 acres. Additionally, the allocation of 202 acres from the area needed for higher-order infrastructure to cater the needs of nearby rural settlements of Tehsil Mailsi. Consequently, the total area required for the city in 2043 is projected to be 538 acres. The future suggested area value will be derived by subtracting the EBA area and Infill sites from the total area needed in 2043, resulting in 214 acres.

Table 3-75: Proposed Area for Site Development Zone (SDZ) of Mithru

Current Scenario (2023 - 2043)			Area Required for higher order infrastructure for rural population	Existing EBA area (2022)	Area available for infill development	Future Area Requirement (2043)
EBA Projected Population (2043)	Proposed Desired Density persons per acre	Proposed Future Area Requirement				Additional Area Required
16,957	42	568	202	268	56	214

Fact Sheet for Site Development Zone (SDZ) Structure Plan of Established Built-up Area (EBA) Mithru

The fact sheet provides essential data for understanding the current and future population and land area requirements for planning and development in the Mailsi Town Committee area from 2023 to 2043. It also highlights the planned density and the additional land needed to accommodate the projected population growth.

Table 3-76: Fact Sheet for Site Development Zone (SDZ) Area Calculation of Established Built-up Area (EBA) Mithru for Plan Period (2023 - 2043)

Fact Sheet for Area Calculation of Mithru for Plan Period 2023-2043	
TC Area 2019	11,407
Area of EBA (2022) Acres	268
Growth Rate	1.95%
Projected EBA Population 2022	11,304
Projected Population of EBA (2043)	16,957
Projected Population of MC (2043)	16,633
EBA population is being used for future area calculation.	
Population density of EBA 2022, PPA	42
Proposed Increase in Overall Density (2043)	20%
Desired Density 2043, PPA	51
Area required for future city population 2043 (Acres)	335
Area required for higher order infrastructure for rural population	202
Total area required for the city 2043	538
Area available for Infill development	56
New area to be added by 2043 (Acres)	**214**

3.5.6.2 Gap Analysis

This table provides valuable information for urban planners and policymakers to guide land use allocation and development strategies to align with future planning goals in Mithru.

Table 3-77: GAP Analysis of Future Land Uses in Mithru

Land Use Distribution of Net Area Required for preparation of Site Development Zone							
Land Use Class	Land Use proportion Current EBA (A)		Recommended Land Use Allocation Standard as per NRM (B)	Desired proportion of the city (from residential schemes (I)	Desired proportion of the city (outside residential areas (II)	Desired proportion, Total (C)	Future Land Requirement per desired proportion D= (Future Land * C)
	Area*	Percentage					Area (Acres)
Residential (Planned Housing Schemes)			24-50%	100%	0%	100%	214
Net Residential	159.20	59.36%	50%	50%	0%	50%	107
Commercial	4.70	1.75%	0.5-5%	4%	0%	4%	9
Institutional*	6.60	2.46%	2-21%	6%	0%	6%	13
Education (Public + Private)	6.10	2.27%	3%		0%	0%	0
Health (Public + Private)	0.50	0.19%	3%		0%	0%	0
Public Building	0.00	0.00%	3%		0%	0%	0
Industrial	0.00	0.00%	2-20%	0%	0%	0%	0
Parks	0.00	0.00%	0.5-7%	8%	0%	8%	17
Graveyard	6.40	2.39%	0.5-6%	2%	0%	2%	4
Other land use**	91.27	34.03%	2-29%	30%	0%	30%	64
Total Area	**268**	**100%**		**100%**	**0.00%**	**100%**	**214**

**(Bus Terminal, Airport, Water Works, Water bodies, Vacant area, Transportation, Stadium, Roads)

3.5.6.3 Proposed Site Development Zone Structure Plan

The Established Built-Up Area (EBA) of the Mithru Committee spans 268 acres and houses a population of 11,304 residents, laying the groundwork for the Site Development Zone Structure Plan that charts Mithru City's growth trajectory from 2023 to 2043. This intricately designed Site Development Zone (SDZ) plan adopts a comprehensive and strategic approach to urban planning, considering crucial factors to ensure precise land and resource allocation tailored to Mithru City's distinctive requirements.

Table 3-78: Land Use Distribution of Site Development Zone (SDZ) Proposal for Established Built-up Area (EBA) Mithru

Site Development Zones		
Proposed Zones	Area (Acres)	%age
Residential Zones		
Residential	221.1	100%
Total	**221.1**	100%
Allied Agriculture Zones		
Urban Agriculture/Orchard	210	100%
Total	**210**	100%
Grand Total	**642.96**	

3.5.7 Proposed Site Development Zone Structure Plan of Jalla Jeem (Urban Settlement)

3.5.7.1 Projected Population (2023-2043), Area Requirement, Density Estimation

Existing and Projected Population

Existing population has been determined taking Population Census 2017 record as the base value.

Table 3-79: Population Projection for Site Development Zone (SDZ) of Jalla Jeem

Population Projection for Site Development Zone (SDZ) Jalla Jeem						
Description	Census Population (2017)	Growth Rate (2017)	Growth Rate for Projection till 2022	Projected Population (2022)	Considered Growth Rate beyond 2022 till 2043	Projected Population (2043)
EBA Population	17,380	2.24%	2.24%	19,851	2.24%	31,609
TC Population	17,323	2.24%	2.24%	19,352	2.24%	30,815

The PMU Consultant considered the built-up area population (calculated the actual population blocks from the existing built-up area). Hence, the base population 19,851 and projected population 31,609 by 2043.

Existing and Desired Population Density

The established built-up area of TC Jalla Jeem covers a land expanse of 437 acres, accommodating a present population of 19,851 individuals. This equates to a density of 45 persons per acre within the established built-up area. Nevertheless, a portion of this area, around 65 acres, remains undeveloped. If we deduct this vacant land from the established built-up area, we're left with 373 acres. In this scenario, with a heightened density of 52 persons per acre, the adjusted population density reflects a different configuration. So, an increase of almost 20% in current density of EBA 45 persons/acre is suggested to achieve the overall desired density of 54 persons/acre in future planning.

Table 3-80: Population Density for Site Development Zone (SDZ) of Jalla Jeem

Current Scenario (2022 - 2043)			Proposed Increase in Overall Density (2043) persons per acre	Projection (2043)	
EBA Area (Acres)	Established Built Area Population (2022)	Density (2022) persons per acre		Established Built Area Population (2043)	Desired Density (2043) persons per acre
437	19,851	44	20%	31,609	54

Proposed Future Area Requirement

The proposed future area requirements of Jalla Jeem TC have been estimated by dividing the projected population (2043) of EBA Jalla Jeem by the proposed desired density (54 persons per acre). It comes out to be 580 acres. Additionally, the allocation of 202 acres from the area needed for higher-order infrastructure to cater the needs of nearby rural settlements of Tehsil Mailsi. Consequently, the total area required for the city in 2043 is projected to be 782 acres. The future suggested area value will be derived by subtracting the EBA area and Infill sites from the total area needed in 2043, resulting in 281 acres.

Table 3-81: Proposed Area for Site Development Zone (SDZ) of Jalla Jeem

Current Scenario (2023 - 2043)			Area Required for higher order infrastructure for rural population	Existing EBA area (2022)	Area available for infill development	Future Area Requirement (2043)
EBA Projected Population (2043)	Proposed Desired Density persons per acre	Proposed Future Area Requirement				Additional Area Required
31,609	54	583	202	437	65	281

Fact Sheet for Site Development Zone (SDZ) Structure Plan of Jalla Jeem

The fact sheet provides essential data for understanding the current and future population and land area requirements for planning and development in the Jalla Jeem Town Committee area from 2023 to 2043. It also highlights the planned density and the additional land needed to accommodate the projected population growth.

Table 3-82: Fact Sheet for Site Development Zone (SDZ) Area Calculation of Established Built-up Area (EBA) Jalla Jeem for Plan Period (2023 - 2043)

Fact Sheet for Area Calculation of Jalla Jeem for Plan Period 2023-2043	
TC Area 2019	3,289
Area of EBA (2022) Acres	437
Growth Rate	2.24%
Projected EBA Population 2022	19,851
Projected Population of EBA (2043)	31,609
Projected Population of MC (2043)	30,815
EBA population is being used for future area calculation.	
Population density of EBA 2022, PPA	45
Proposed Increase in Overall Density (2043)	20%
Desired Density 2043, PPA	54
Area required for future city population 2043 (Acres)	580
Area required for higher order infrastructure for rural population	202
Total area required for the city 2043	782
Area available for Infill development	65
New area to be added by 2043 (Acres)	**281**

3.5.7.2 Gap Analysis

This table provides valuable information for urban planners and policymakers to guide land use allocation and development strategies to align with future planning goals in Jalla Jeem.

Table 3-83: GAP Analysis of Future Land Uses in Jalla Jeem

Land Use Distribution of Net Area Required for preparation of Site Development Zone							
Land Use Class	Land Use proportion Current EBA (A)		Recommended Land Use Allocation Standard as per NRM (B)	Desired proportion of the city (from residential schemes (I)	Desired proportion of the city (outside residential areas (II)	Desired proportion, Total (C)	Future Land Requirement per desired proportion D= (Future Land * C)
	Area*	%Age					Area (Acres)
Residential (Planned Housing Schemes)			24-50%	100%	0%	100%	281
Net Residential	252.10	57.67%	50%	50%	0%	50%	140
Commercial	16.40	3.75%	0.5-5%	4%	0%	4%	11
Institutional*	14.70	3.36%	2-21%	6%	0%	6%	17
Education (Public + Private)	6.10	1.40%	3%		0%	0%	0
Health (Public + Private)	7.00	1.60%	3%		0%	0%	0
Public Building	1.60	0.37%	3%		0%	0%	0
Industrial	0.00	0.00%	2-20%	0%	0%	0%	0
Parks	2.50	0.57%	0.5-7%	8%	0%	8%	22
Graveyard	23.00	5.26%	0.5-6%	2%	0%	2%	6
Other land uses**	128.47	29.39%	2-29%	30%	0%	30%	84
Total Area	**437**	**100%**		**100%**	**0.00%**	**100%**	**281**

**(Bus Terminal, Airport, Water Works, Water bodies, Vacant area, Transportation, Stadium, Roads)

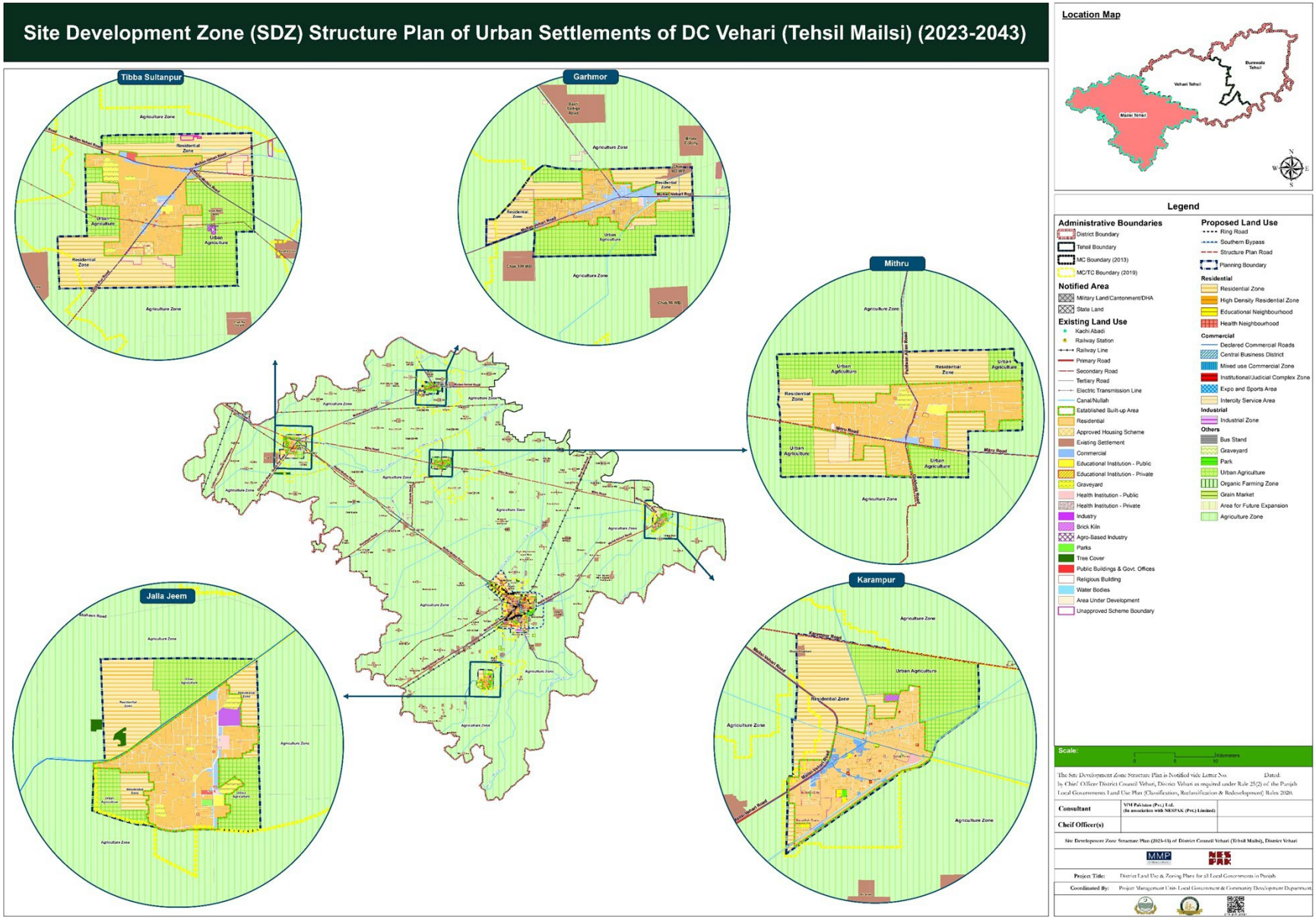
3.5.7.3 Proposed Site Development Zone Structure Plan

The Established Built-Up Area (EBA) of the Jalla Jeem Committee spans 437 acres, housing a population of 19,851 residents, providing the foundation for the Site Development Zone Structure Plan that charts the growth trajectory of Jalla Jeem City from 2023 to 2043.

Table 3-84: Land Use Distribution of Site Development Zone (SDZ) Proposal for Established Built-up Area (EBA) Mithru

Site Development Zones		
Proposed Zones	**Area (Acres)**	%age
Residential Zones		
Residential	261.48	100%
Total	**261.48**	100%
Allied Agriculture Zones		
Urban Agriculture/Orchard	279.18	100%
Total	**279.18**	100%
Grand Total	**642.96**	

Map 19: Site Development Zone (SDZ) Structure Plan of District Council Vehari (Tehsil Mailsi)



3.5.8 Site Development Zone (SDZ) for Small Settlements/Addas of Tehsil Mailsi

Aligned with the comprehensive planning initiatives in the Vehari district, a parallel strategy is being meticulously applied to Tehsil Mailsi. This focused approach revolves around four distinct "addas," which, in the later stages of the project, garnered requests from the district's focal person via the client to envision their future development. The introduction of Site Development Zones (SDZ) in these areas signifies a crucial stride toward fostering custom-tailored and sustainable growth in Tehsil Mailsi. This initiative aims to pave the way for the systematic development of housing schemes within these identified zones, contributing to a well-planned and resilient urban landscape for the tehsil.

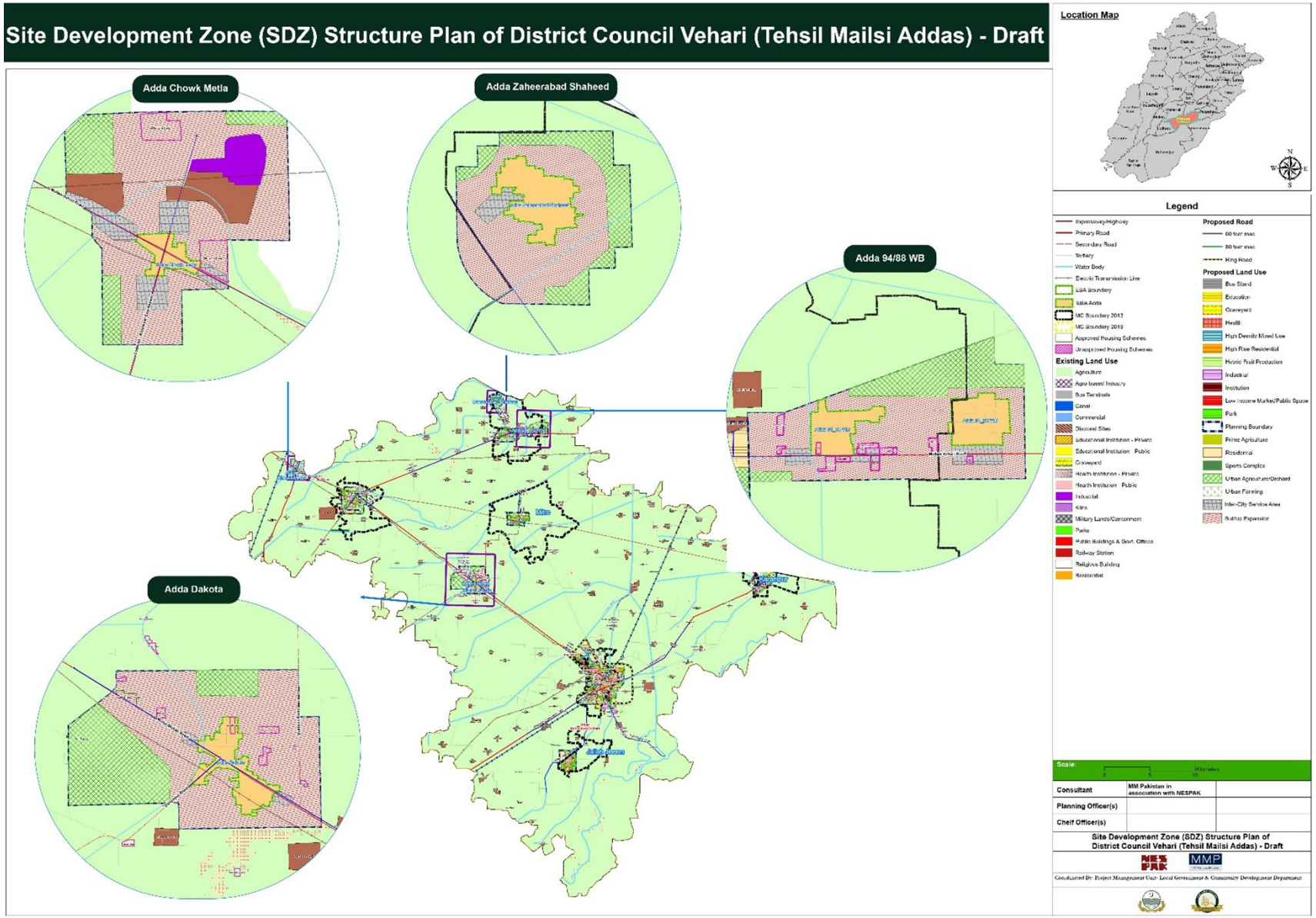
Within the framework of these SDZ, careful zoning delineates essential areas. The Intercity Service Area is strategically designed to centralize vital services, encompassing markets, educational institutions, healthcare facilities, and administrative offices. This zone ensures the efficient provision of core amenities to the entire settlement. Simultaneously, the Agricultural/Orchards Zone underscores the significance of preserving agricultural lands and orchards, respecting the area's agricultural legacy and emphasizing sustainable land use practices. Additionally, the Area of Expansion is identified, outlining specific regions poised for future growth and development, facilitating the tehsil's expansion in an organized and planned manner. This strategic zoning approach aims to create a well-balanced and sustainable urban landscape in Tehsil Mailsi, promoting the efficient use of resources and fostering long-term resilience.

By embracing this meticulous zoning approach, the Site Development Zones in Tehsil Mailsi are crafted to preserve the unique character of each settlement while facilitating their sustainable development. These initiatives, addressing current needs, safeguarding agricultural heritage, and planning for future expansion, exemplify a systematic and balanced approach to community growth and progress within Tehsil Mailsi. The following list outlines the Established Built-Up Areas (EBA) of addas/smaller settlements in Tehsil Mailsi earmarked, demonstrating a commitment to thoughtful urban planning and the preservation of local identity. Following are the given addas for which a future expansion is proposed.

- Adda Chowk Metla
- Adda Zaheerabad Shaheed
- Adda 94/wb & 88/wb
- Adda Dakota

Note: Natural growth boundaries for the future expansion of settlements are designated for those settlements that do not qualify for SDZ demarcation but demonstrate greater growth potential compared to other rural settlements. These boundaries aim to facilitate their future residential development in an organized manner.

Map 20: Site Development Zone Structure Plan of District Council Vehari (Tehsil Mailsi Addas)



CHAPTER 4

REVIEW & INTEGRATION OF DECLARED COMMERCIAL ROADS

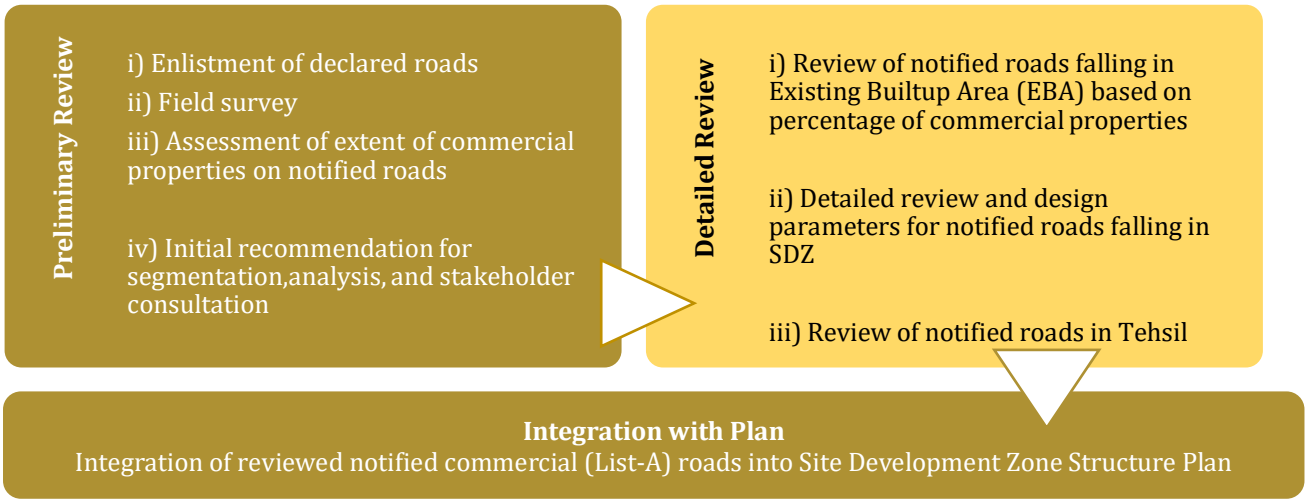
CHAPTER 4
REVIEW AND INTEGRATION OF DECLARED COMMERCIAL ROADS

4.1 Process

4.1.1 Review mechanism for Notified Commercial (List-A) Roads

The analysis of the notified roads (List-A) within the study area is organized into a three-stage framework. The first stage involves data preparation and a preliminary review. The second stage conducts a more in-depth examination based on the parameters established in the PLG Land Use Rules 2020. The third stage integrates the roads into SDZ Structure Plan. Each stage is explained in the following sections for clarity.

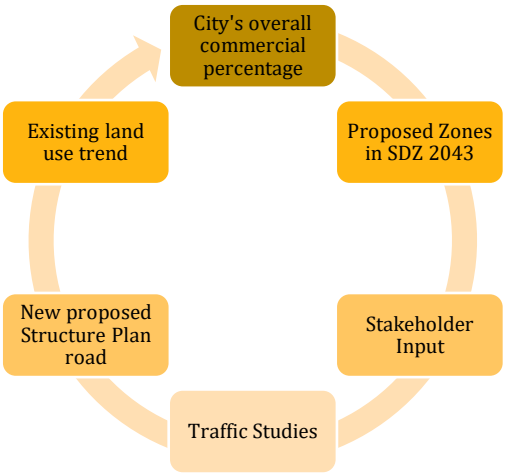
Figure 4-1: Analysis of Notified Commercial (List-A) Roads



4.1.2 Review Mechanism for Notified List-B Roads

All roads where commercialization is frozen has been be reviewed to assess their potential for commercialization based on existing land use, proposed land use zones, stakeholder feedback, and findings from the transportation study. Additionally, new linkages proposed in the SDZ Structure Plan have also been evaluated for their potential to serve as commercial roads. The decision to consider List B roads for commercial use and recommend their inclusion in List A results from a comprehensive assessment aimed at balancing economic development with sustainable urban growth. The figure summarizes the methodology used for this review.

Figure 4-2: Review of Notified List-B Roads



4.2 Review & Recommendation for Continuation of Commercial Use

The Land Use Plan harmonizes different land uses and ensures a balanced distribution, considering land use suitability factors. Commercial activity is a significant land use that greatly influences urban dynamics and can impact the performance of other urban systems, such as transportation. To manage the spread of commercial activity along city roads, all roads are classified into two categories. The first category, known as List A roads, allows commercial activity, enabling property owners to convert their properties into commercial use after following the proper procedures. The second category, List B roads, prohibits commercial activity, and properties on these roads cannot be converted for commercial use.

The Review of Notified Roads report thoroughly presents the List A roads of Vehari district, as outlined under Chapter III (Enlistment and Review of Listed Roads) of the Punjab Local Government Land Use Plan (Classification, Reclassification, and Redevelopment) Rules, 2020 - Rule 12.

4.3 Recommendations for Future Status of Notified Commercial (List-A) Roads

The identified segments from the proposed structure plan roads, as well as the existing roads recommended for commercialization under List-A notification are given in the table below.

Table 4-1: Recommendation for the Notified Commercial (List-A) Roads of Vehari District (Notified on 07.06.2022)

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
RID001	Club Road	MC Vehari (2013)	Quaid Azam Chowk	Railway Crossing Khanewal Chowk	80'	1.85	97%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID002	Jinnah Rd	MC Vehari (2013)	Church	Hamdard Bakery	60'	0.59	55%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID003	Zia Shaheed Rd	MC Vehari (2013)	Hamdard Bakery	Club Road	40'	0.24	75%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID004	Karkhana Bazar Commercial Rd	MC Vehari (2013)	Tahli wala Chowk	Masjid Sarhand Colony	60'	0.24	100%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID005	People Colony Rd	MC Vehari (2013)	Imam Bargah	Faisal Town	90'&100'	0.92	89%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID006	Iqbal Road E Block	MC Vehari (2013)	Karkhaana Bazar	Club Rd	60'	0.24	95%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID007	Gali Aria Samaj Mandar Wali B-Block	MC Vehari (2013)	Goal Chowk	Mehran Restaurant	30'	0.18	100%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID008	Old Post Office Bazar C-Block	MC Vehari (2013)	Jinnah Road	Club Rd	30'	0.25	100%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID009	Landa Bazar C-Block	MC Vehari (2013)	Chowk Bagh wali Masjid	Zia Shaheed Rd	30'	0.24	85%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID010	Street Northern Side Trust Plaza C-Block	MC Vehari (2013)	Old Post Office Bazar	Hafiz Akhtar Road	30'	0.15	100%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID011	Street Southern Side Trust Plaza C-Block	MC Vehari (2013)	Old Post Office Bazar	Hafiz Akhtar Road	30'	0.15	100%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID012	Gali Hakim Bittian Wali C-Block	MC Vehari (2013)	Old Post Office Bazar	Hafiz Akhtar Road	30'	0.2	97%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
RID013	Hafiz Akhtar Rd C-Block	MC Vehari (2013)	Jinnah Rd	C- Block Shopping Center	30'	0.24	96%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID014	Gali Grammer School Wali D-Block	MC Vehari (2013)	Zia Shaheed Rd	Road b/w H& D Block	60'	0.33	23%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID015	Middle Street D-Block	MC Vehari (2013)	Jinnah Rd	Club Rd	30'	0.25	38%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID016	Jinnah Road D-Block	MC Vehari (2013)	Old Tasty House	Dr Raouf Clicnic	30'	0.09	50%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID017	Jinnah Road D-Block	MC Vehari (2013)	City Top Hotel	Grammar School	60'	0.09	100%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID018	Street No. 1 -F Block	MC Vehari (2013)	Goal Chowk	Road Between E & F	30'	0.27	39%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID019	Street No. 2 -F Block	MC Vehari (2013)	Daha Plaza Saeed Farm Rd	Road Between E & F	30'	0.27	34%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID020	Karkhana Bazar Street -1	MC Vehari (2013)	GPO Office F Block	Fareed Joy Land F/Block	30'	0.27	18%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID021	Karkhana Bazar Street -2	MC Vehari (2013)	Gulzar Gold Smith F-Block	Masjid Ghose Wali F-Block	40'	0.14	20%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID022	Karkhana Bazar Street -3	MC Vehari (2013)	New National Gold Smith F-Block	Fareed Joy Land F- Block	30'	0.27	21%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID023	Street 1- G Block	MC Vehari (2013)	MC Office	Model High School	30'	0.14	17%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID024	Street 2- G Block	MC Vehari (2013)	Hamdard Bakery Chowk	Quaid e Azam Park	30'	0.52	15%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID025	Jinnah Rd St 3-G Block	MC Vehari (2013)	Hasib Watch	Water Filtration Plant	30'	0.26	15%	EBA	• Convert to Road B, • Discuss with stakeholders

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
RID026	Jinnah Rd St 4-G Block	MC Vehari (2013)	Fazal Din Pharmacy	DPS School Gate	30'	0.07	80%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID027	Street No. 1 H-Block	MC Vehari (2013)	Jinnah Rd, Goshi Medical Store	White House Club	30'	0.33	20%	EBA	• Convert to Road B, • Discuss with stakeholders
RID028	Street No. 1 H-Block	MC Vehari (2013)	Mian Khursheed House	Masjid Sharif Wali	40'	0.32	14%	EBA	• Convert to Road B, • Discuss with stakeholders
RID029	Khanewal Rd	MC Vehari (2013)	Khanewal Chowk	Canal Pull 24/WB	155'	4.27	54%	Various	• Convert to Road B, • Discuss with stakeholders
RID029a	Khanewal Rd	MC Vehari (2013)				2.1	88%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID029b	Khanewal Rd	MC Vehari (2013)				2.17	17%	SDZ	• Design parameters as per SDZ
RID030	Old Bus Stand Road	MC Vehari (2013)	Khanewal Chowk	V Chowk	155'	1.78	87%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID031	DPO Office Rd	MC Vehari (2013)	Fish Farm Rd	Chuahdhary Garden	30'	1.56	13%	EBA	• Convert to Road B, • Discuss with stakeholders
RID032	Burewala Rd	MC Vehari (2013)	V Chowk	Sanchanwala Stop	155'	3.44	70%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID033	Green Market-Irshad Colony Link Rd	MC Vehari (2013)	Makkah Super Store	Irshad Colony	30'	1.15	17%	Various	• Convert to Road B, • Discuss with stakeholders
RID033a		MC Vehari (2013)				0.82	33%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID033b		MC Vehari (2013)				0.3	2%	SDZ	• Design parameters as per SDZ
RID034	Multan-Vehari Rd	MC Vehari (2013)	Govt Boys College	Go/Petroleum Station	155'	3.09	67%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID035	Mailsi Karampur Rd	MC Vehari (2013)	Railway Crossig Peer Murad	Link 45/W.B Karampur Rd	66'	1.04	25%	Various	• Convert to Road B, • Discuss with stakeholders
RID035a		MC Vehari (2013)				0.33	12%	EBA	• Convert to Road B, • Discuss with stakeholders
RID035b		MC Vehari (2013)				0.7	38%	SDZ	• Design parameters as per SDZ

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
RID036	Mian Channu Road	MC Vehari (2013)	Grid Station	Chak No. 9/WB Canal Pull 22/WB	55'	2.98	47%	Various	• Convert to Road B, • Discuss with stakeholders
RID036a		MC Vehari (2013)				2.31	80%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID036b		MC Vehari (2013)				0.66	16%	SDZ	• Design parameters as per SDZ
RID037	Muhammad Bakery Rd Katchi Abadi	MC Vehari (2013)	Multan Rd	Water Works	20'	0.86	31%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID038	Luddan Rd	MC Vehari (2013)	Circuit House	Circuit House	155'	3.31	57%	Various	• Convert to Road B, • Discuss with stakeholders
RID038a		MC Vehari (2013)				2.77	88%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID038b		MC Vehari (2013)				0.52	25%	SDZ	• Design parameters as per SDZ
RID039	Thana Saddar Rd	MC Vehari (2013)	Mosque Thana Sadar	Club Rd	40'	0.24	54%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID040	Rd B/w H Block & Club rd	MC Vehari (2013)	Fire Brigade	Club Rd	40'	0.24	80%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID041	Road B/W DHQ & G-Block	MC Vehari (2013)	Nursing Hostel	Jinnah Rd	40'	0.52	65%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID042	Islamia Road	MC Vehari (2013)	Imam Bargah Chowk	Club Rd	60'	0.38	89%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID043	Muslim Town Rd	MC Vehari (2013)	Truck Stand	Ghafoor Town	20'	0.88	18%	EBA	• Convert to Road B, • Discuss with stakeholders
RID044	Ghafoor Town Rd	MC Vehari (2013)	Burewala Rd, SS CNG Pump	Ghafoor Town	30'	0.73	9%	EBA	• Convert to Road B, • Discuss with stakeholders
RID045	Danewal Rd-1	MC Vehari (2013)	Nadir Cinema	Shabir Abad	55'	2.69	17%	Various	• Convert to Road B, • Discuss with stakeholders
RID045a		MC Vehari (2013)				2.01	27%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
RID045b		MC Vehari (2013)				0.7	9%	SDZ	• Design parameters as per SDZ
RID046	Danewal Road No. 2	MC Vehari (2013)	Thana Danewal , Luddan Rd	Railway Crossing-Danewal	40'	0.78	14%	EBA	• Convert to Road B, • Discuss with stakeholders
RID047	Rd b/w Sirhand Colony & Shaikh Cotton	MC Vehari (2013)	Railway Crossing	Govt High School No -2	60'	0.67	20%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID048	Canal Rd	MC Vehari (2013)	Spirit School	Katchi Abadi Canal Pull 45 WB	30'	0.69	8%	EBA	• Convert to Road B, • Discuss with stakeholders
RID049	32 Quater Road /G-Block B/w Sharqi Colony	MC Vehari (2013)	Chungi No 5 G-Block	Chungi No 5 G-Block	60'	1.94	37%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID050	Liaqat Pura/Faisal Park Rd	MC Vehari (2013)	Pull 45 WB, Katchi Mandi	Commerece College, Faisal Town	30&40	0.75	9%	EBA	• Convert to Road B, • Discuss with stakeholders
RID051	Jahangir Petrol Pump Rd College Town	MC Vehari (2013)	Jahangir Petrol Pump	Iqbal Town Rd, Sundar Village	20'	0.99	14%	EBA	• Convert to Road B, • Discuss with stakeholders
RID052	45 Chak Rd	MC Vehari (2013)	Katchi Mandi Kanal Pul	ADMORE Pump, Mailsi Rd	30'	3.92	7%	Various	• Convert to Road B, • Discuss with stakeholders
RID052a		MC Vehari (2013)				1.63	4%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID052b		MC Vehari (2013)				2.27	3%	SDZ	• Design parameters as per SDZ
RID053	Islamia School Back Street	MC Vehari (2013)	Qasim Glass	Faisal Park	30'	0.42	13%	EBA	• Convert to Road B, • Discuss with stakeholders
RID054	Rehmat Colony Rd	MC Vehari (2013)	Rehmat Colony Rd	Rehmat Colony ,Luddan Rd	40'	1.13	0%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID055	Railway Line Rd	MC Vehari (2013)	Thana City Vehari	Faisal Town End	30'	0.55	32%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID001	Multan Rd	MC Burewala (2013)	Adda Channu Moor	Limit 515/EB	154'	2.16	59%	Various	• Convert to Road B, • Discuss with stakeholders

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
RID001a		MC Burewala (2013)				0.73	81%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID001b		MC Burewala (2013)				1.42	33%	SDZ	• Design parameters as per SDZ
RID002	Lahore Rd	MC Burewala (2013)	D.M Rd Mujahid Colony Canal Bridge	Limit 259 EB	164'	3.48	46%	Various	• Convert to Road B, • Discuss with stakeholders
RID002a		MC Burewala (2013)				0.4	24%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID002b		MC Burewala (2013)				3.08	70%	SDZ	• Design parameters as per SDZ
RID003	Chichawatni Road	MC Burewala (2013)	Ateeq Petroleum Services	Chak No. 435/EB limits	154	1.12	42%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID004	Luddan Rd-Burewala	MC Burewala (2013)	BTM Boundary Wall Link Masoom Shah Rd	Limits 461/EB	154	4.52	34%	Various	• Convert to Road B, • Discuss with stakeholders
RID004a		MC Burewala (2013)			150	0.59	13%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID004b		MC Burewala (2013)			150	1.22	47%	SDZ	• Design parameters as per SDZ
RID004c		MC Burewala (2013)			150	2.7	40%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID005	Adda dewan Sahib Road	MC Burewala (2013)	Railway Station Chowk	AC Moor	110	0.41	60%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID006	505-EB Rd	MC Burewala (2013)	Girls High School, Chak/505 EB	Limits 437/EB	55	1.36	23%	Various	• Convert to Road B, • Discuss with stakeholders
RID007	Ring Road Bypass	MC Burewala (2013)	Railway Crossing Gharowan	Pull Nehar near Masjid-e- Farooq HS	36 one Side	1.16	51%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
RID008	Ring Rd Bypass	MC Burewala (2013)	Masjid Ghulaman-e- Mustafa, Vehari Bazar	1122 Office Multan Road	36'	0.47	85%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID009	Ring Rd Bypass - Stadium Rd	MC Burewala (2013)	1122 Office Multan Road	Pull Nehar Yaqoob Abad Chichawatni Rd	36'	2.18	15%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID010	Rong Rd By Pass-Nehar Bunglow Rd	MC Burewala (2013)	Pull Nehar Yaqoob Abad Chichawatni Rd	443/EB Canal Bangia Chowk	36'	1.32	37%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID011	Ring Rd Bypass	MC Burewala (2013)	443/EB Canal Bangia Chowk	Pull Mujahid Colony	36'	1.37	16%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID012	Arbia Islamia Rd	MC Burewala (2013)	1/D Block Southern Wall Boys College	Butchers Chowk Vehari Bazar	36'	0.25	81%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID013	St-3, D-Block/Press Club St	MC Burewala (2013)	Press Club Eastern Corner	82/D Western Comer Link Arbia Islamia Rd	30'	0.26	90%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID014	St-2, D-Block	MC Burewala (2013)	Arabia lslamia Road Rehmat Plaza Southern	AI Hamra Store Corner College Road	30'	0.26	100%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID015	St 5 E-Block Rd	MC Burewala (2013)	Corner MC Office College Road	I 14/E Eastern Corner	30'	0.24	96%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID016	E Block Rd	MC Burewala (2013)	Shop Shirin Mahal	Back Side of MC Office	30'	0.14	96%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID017	Main Satellite Town Rd	MC Burewala (2013)	Fawara Chowk	Office Wall Agricultural Department	40,48,116	0.58	16%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID018	Doggar Market Shah Faisal Colony Main Road Burewala.	MC Burewala (2013)	Doggar Market	Street High School No.2 Rd Sadaq Town	20,25,40	0.44	44%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID019	Main Road Mujahid Colony	MC Burewala (2013)	Govt.Boys Primary School Near Tube Well	Southern Side Street No.13	30'	0.28	14%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
RID020	Faiz Park Mujahid Colony Road	MC Burewala (2013)	Railway Line (Northern Side)	Bairki Chowk	25,30,32	0.53	7%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID021	Zahid Abad Rd	MC Burewala (2013)	Mil Moor	Govt. Girls High School,445/WB	20,26,28,33,36	1.94	20%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID022	Main Road I-Block and Satellite Town Road	MC Burewala (2013)	Rahmatullilamin Chowk, Lahore Rd	Road High School No.2	40'	0.51	29%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID023	Main Road Aziz Abad	MC Burewala (2013)	Multan Rd, Chongi No 5	Limits Chak No. 437/EB	23,32,35,39	2.89	10%	Various	• Convert to Road B, • Discuss with stakeholders
RID023a		MC Burewala (2013)				1.84	10%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID023b		MC Burewala (2013)				1.05	0%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID024	Gulshan-e-Rehman Town Rd	MC Burewala (2013)	Madina Engineering Works	Jamiya Ghosiya Misbah-ul Quran	30'	0.35	13%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID025	M Block Road	MC Burewala (2013)	9-M, Arif Bazar	124- M, Joiya Rd	30'	0.33	65%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID026	MC Girls High School Rd	MC Burewala (2013)	1-D Block (Western side)	College Rd Corner	30'	0.26	65%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID027	A-Block Road	MC Burewala (2013)	Arbia Islamia Rd , 103 A Corner	Pull Nehar Masjid Ghulaman e Mustafa	30'	0.32	51%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID028	Truck Adda Wali Rd	MC Burewala (2013)	Adda Soft Noor Lahore Rd	Rana Manzoor Advocate Residence	40'	0.57	10%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID029	Fazal Abad Road	MC Burewala (2013)	Rana Manzoor Advocate Residence	Nehar Distributy 5-L	32',33'	1.04	5%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID030	Canal Rd	MC Burewala (2013)	Canal Bangia Chowk 443/EB	Basti Deewan Kot Colony	36'	1	8%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
RID031	Canal Road 5-L	MC Burewala (2013)	Mujahid Colony Pull Lahore Rd	Southern Side 443/EB	38'	1.56	17%	Various	• Convert to Road B, • Discuss with stakeholders
RID032	Imam Bargah Rd	MC Burewala (2013)	85-M Block, Link Joiya Rd	Fawara Chowk P-Block	30'.60'	0.97	34%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID033	I block Rd	MC Burewala (2013)	Shell Pump Near Residence Syed Naseem Shah	Fatima Jinnah Govt. Primary School	40'	0.43	41%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID034	High School No-2 Rd	MC Burewala (2013)	Madrassa Ahya ul Aloom	Rana Manzoor Advocate Residence	40'	0.84	22%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID035	K Block Road	MC Burewala (2013)	Masjid Ghulaman e Mustafa	Karkhana Road South Side	50'	0.34	33%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID036	Kamand Dhallan Rd	MC Burewala (2013)	Adda Channu Moor	Limits Chak No. 515/EB	150'	2.7	59%	Various	• Convert to Road B, • Discuss with stakeholders
RID037	Chak No 261-EB Rd	MC Burewala (2013)	Railway Pathak Chak No 261/EB	Limits Chak No. 261/EB	28',40',50'	3.71	18%	Various	• Convert to Road B, • Discuss with stakeholders
RID037a		MC Burewala (2013)				0.9	9%	SDZ	• Design parameters as per SDZ
RID037b		MC Burewala (2013)				2.81	9%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID038	Roads (H Block)	MC Burewala (2013)	Goal Chowk	Corner Resham Gali	26', 27, 34',35',40'	2.67	83%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID039	Ganda Nala Rd	MC Burewala (2013)	HBL Bank, Multan Rd	Disposal Works	39' Included Nala	0.09	38%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID040	Dr Azhar Clinic Rd	MC Burewala (2013)	Tabish Medical Store	Disposal Works	25'	0.11	31%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID041	Mian Muhammad Javeed Baitu Advocate Road	MC Burewala (2013)	Mian Muhammad Javeed Baitu	Link Rd, I Block, Chichawatni Road	53'	0.14	60%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
			Commercial Buillding						
RID042	O Block Rd	MC Burewala (2013)	Lahore Road Comer Veterinary Hospital	Gujjar House 1/O Block	20'	0.15	58%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID043	Chak No. 517/EB Rd	MC Burewala (2013)	Go Petrol Pump, 517/EB Road	5I7/EB Graveyard	22',21',20'	1.64	20%	Various	• Convert to Road B, • Discuss with stakeholders
RID043a		MC Burewala (2013)				0.95	13%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID043b		MC Burewala (2013)				0.69	6%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID044	Lot Bhattian Main Rd	MC Burewala (2013)	Jamia Masjid Gulzar-e-Habib	Chak No. 451/EB, Graveyard	24',20'	0.96	20%	Various	• Convert to Road B, • Discuss with stakeholders
RID045	Lot Bhattian Main Rd adjcnt Railway Track	MC Burewala (2013)	Corner of Jamia Masjid Gulzar-e-Habib	Opposite Jamia Farooqia Masjid Street No.4	30'	0.23	63%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID046	A-Block Road	MC Burewala (2013)	Shahi Flex, 78-A, A-Block	Northern Side Canal Rd	30'	0.07	100%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID047	A- Block Road	MC Burewala (2013)	House No. 135, A-Block	House No. 65/A, North Side Canal Rd	30'	0.14	86%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID048	D- Block Rd	MC Burewala (2013)	2I3/D, Seven Star Jewellers	Back Side of Govl. Boys College	30'	0.26	83%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID049	D Block Rd	MC Burewala (2013)	128/D ,AI Madina General Store	15-B,D-Block Backside of Govt. Boys College	30'	0.22	71%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID050	D Block Rd	MC Burewala (2013)	Eastern Side of Govt. Library, College Rd	36/A Block Road, Arbia lslamia Rd	30'	0.26	69%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID051	N/O Block Rd	MC Burewala (2013)	Maa Jee Bakers, M-Block	House No. 12-O Block, Eastern Side	36',30'	0.4	20%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
RID052	M- Block Rd	MC Burewala (2013)	151-M Block,Tube Well M-Block	Primary Girls School N-Block	30'	0.31	53%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID053	N Block Rd	MC Burewala (2013)	Eastern Side 39-M Block	Western Side 25-M Block	38'	0.13	88%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID054	M- Block Link Rd	MC Burewala (2013)	Eastern Side 79-M Block	Western Side 70-M Block	25', 26'	0.13	52%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID055	M-Block Link Road	MC Burewala (2013)	Eastern Side 94-M Block	Western Side 80-M Block	26'	0.13	91%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID056	Neeli Bar City Rd	MC Burewala (2013)	Main Luddan Road, Western Corner Nasir Electronics	Eastern Side Gate Masjid Neeli Bar City	29'	0.04	67%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID057	Neeli Bar City Cross Rd	MC Burewala (2013)	Northern Side Gate Masjid Neeli Bar City	Southern Side Corner of Dr. Mubashir Hussain Resid	30'	0.04	33%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID058	Link Neeli Bar City Rd	MC Burewala (2013)	Western Side Luddan Road. Sunny Motors	Eastern Side House No.69,	30'	0.15	18%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID001	Quaid e Azam Road	MC MAILSI (2013)	Railway Phattak	Thanna Chowk	56'	0.8	98%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID002	Multan Rd	MC MAILSI (2013)	Railway Phattak	Jamal Town	112'	4.1	65%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID003	Colony Rd	MC MAILSI (2013)	Railway Phattak	Colony Chowk	60'	1.4	91%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID004	Shyphon Road	MC MAILSI (2013)	Colony Chowk	Allah Wala Chowk Cantt Gate	33	0.9	88%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID005	Kahror Pakka Rd	MC MAILSI (2013)	Colony Chowk	Masjid Farooq e Azam Kehror Pakka Rd	55'	2.1	49%	Various	• Convert to Road B, • Discuss with stakeholders
RID005a		MC MAILSI (2013)				1.67	46%	EBA	• Continue as List A

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
									• Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID005b		MC MAILSI (2013)				0.43	3%	SDZ	• Design parameters as per SDZ
RID006	Vehari/ Karampur Rd	MC MAILSI (2013)	Colony Chowk	South Petroleum Toll Tax	80'	1.1	58%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID007	Vehari Rd II (Quaid E Azam Rd)	MC MAILSI (2013)	Traffic Police Office, Kashmir Chowk	Ahmad Raza Colony	50'	0.5	58%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID008	Mitro Rd	MC MAILSI (2013)	Lassani Sweets	Basti Nayi Wala	40'	1.2	51%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID009	Sher Garh Rd	MC MAILSI (2013)	Khan Wagon Stand	Bypass Kehror Chowk	40'	1.7	14%	Various	• Convert to Road B, • Discuss with stakeholders
RID010	Minor Rd	MC MAILSI (2013)	Saifullah Chowk	Kashmir Chowk	30'	2.8	25%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID011	Thana Bazar Rd	MC MAILSI (2013)	Ahmad Mobile	Old Nadra Office	20'	0.2	94%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID012	Fadda Bazar Rd	MC MAILSI (2013)	Nafey CNG Pump	Shop Ather Saeed	20'	0.2	49%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID013	Tehsil/Rahmania Bazar Rd	MC MAILSI (2013)	Suzuki Arshad Autos	Chowk Ghari Abad	20'	0.3	83%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID014	Circular Rd	MC MAILSI (2013)	AC Office	Chowk Ghariabad	20'	0.8	31%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID015	Eidgah Rd	MC MAILSI (2013)	Railway Chowk	Chowk Haripura	20'	0.4	71%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID016	Boys Degree College Road	MC MAILSI (2013)	Thanna Chowk	DSP Office	30'	1	19%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID017	Kambar Rd	MC MAILSI (2013)	Thana Chowk	Fadda Chungi	30'	0.3	2%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
RID018	Hari Pura Rd	MC MAILSI (2013)	Kashmir Chowk	Kashmir Chowk	30'	0.8	4%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID019	Railway Rd	MC MAILSI (2013)	Shoukat Cloth House	Saifullah chowk	40'	0.5	70%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID1.1	Vehari Road-Multan Road	District Council	GO Petrol station	Haji & Son's Petrol Station	150	4.6	52%	Various	• Convert to Road B, • Discuss with stakeholders
RID1.1a	Vehari Road-Multan Road	District Council			150	1.08	7%	EBA	• Convert to Road B, • Discuss with stakeholders
RID1.1b	Vehari Road-Multan Road	District Council			150	3.52	45%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID1.2	Vehari Road-Multan Road	District Council	Al Fareed Shell Petrol Pump	Shell Petrol Pump	150	3	49%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID1.3	Vehari Road-Multan Road	District Council	AL Maryam Zarai Traders (thingi)	Jamia Khalid B9n Waleed	150	3	68%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID1.4	Vehari Road-Multan Road	District Council	The Savvy School	Shakeel Petroleum Service	150	2.5	56%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID1.5	Vehari Road-Multan Road	District Council	Superior College Garha More	AS Cotton Ginning, Pressing & Oil Mills	150	4.5	65%	Various	• Convert to Road B, • Discuss with stakeholders
RID1.5a	Vehari Road-Multan Road	District Council			150	2	53%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID1.5b	Vehari Road-Multan Road	District Council			150	2.5	12%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID1.6	Vehari Road-Multan Road	District Council	Fazal Petroleum Service	Malik Riaz Muhammad Maswan Silage Plant	150	0.9	69%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID1.7	Vehari Road-Multan Road	District Council	Al Fareeed Commercial Market(Adda Shabeer Shah)	Muhammad Khan Gujjar Traders Adda Shabee	150	0.4	54%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID1.8	Vehari Road-Multan Road	District Council	Safdar Khan Manis Poultry Farm	Police Station - Tibba Sultanpur	150	5.2	56%	Various	• Convert to Road B, • Discuss with stakeholders

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
RID1.8a	Vehari Road-Multan Road	District Council			150	1.19	23%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID1.8b	Vehari Road-Multan Road	District Council			150	4.01	33%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID1.9	Vehari Road-Multan Road	District Council	Maaz Go Filling Station	132 KV Grid Station	150	3.1	48%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID2	Kanewal Lodhran Road	District Council	Kohinoor Edible Oils Ltd	Nawab Hotel and Resturant 2,Chowk Metla	120	2.9	67%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID3	Tibba Sultan Pur-Qutab Pur Road	District Council	Chowk Asim,Tibba Sultanpur	Bloom Field Girls High School	120	2.6	81%	Various	• Convert to Road B, • Discuss with stakeholders
RID3a	Tibba Sultan Pur-Qutab Pur Road	District Council			120	0.69	76%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID3b	Tibba Sultan Pur-Qutab Pur Road	District Council			120	1.191	5%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID4.1	Mailsi Multan Road	District Council	Al-Muslim Zarai Aalat	Masjid	90	1.6	51%	Various	• Convert to Road B, • Discuss with stakeholders
RID4.1a	Mailsi Multan Road	District Council			90	0.2	15%	EBA	• Convert to Road B, • Discuss with stakeholders
RID4.1b	Mailsi Multan Road	District Council			90	1.4	36%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID4.2	Mailsi Multan Road	District Council	Zain Poultry Egg Shop	Gujjar Poultry Farm	90	5.9	54%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID4.3	Mailsi Multan Road	District Council	Allah Tawakal Flour Mill	Chowk Asim Tibba Sultanpur	90	2.6	60%	Various	• Convert to Road B, • Discuss with stakeholders
RID4.3a	Mailsi Multan Road	District Council			90	0.16	11%	EBA	• Convert to Road B, • Discuss with stakeholders
RID4.3b	Mailsi Multan Road	District Council			90	2.44	50%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID5	Dokota-Dunyapur Road	District Council	Al Shekh Juice Corner	Nahing Commission	90	1.3	65%	Outside EBA/SDZ	• Continue as List A

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
									• Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID6.1	Tibba Sultanpur-Mitru-Luddan Rd	District Council	Chowk Asim-Tibba Sultanpur	Sultanpur Wali Masjid	90	2.5	34%	Various	• Convert to Road B, • Discuss with stakeholders
RID6.1a	Tibba Sultanpur-Mitru-Luddan Rd	District Council			90	0.11	7%	EBA	• Convert to Road B, • Discuss with stakeholders
RID6.1b	Tibba Sultanpur-Mitru-Luddan Rd	District Council			90	2.39	27%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID6.2	Tibba Sultanpur-Mitru-Luddan Rd	District Council	Sohail Peetrol Agency	Al Shafi Autos, Miitro Rd	90	2.9	53%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID6.3	Tibba Sultanpur-Mitru-Luddan Rd	District Council	PSO Shitab Garh Petroleum Service	Police Station Mitru	90	2.1	72%	Various	• Convert to Road B, • Discuss with stakeholders
RID6.3a	Tibba Sultanpur-Mitru-Luddan Rd	District Council			90	1.27	57%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID6.3b	Tibba Sultanpur-Mitru-Luddan Rd	District Council			90	0.83	14%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID6.4	Tibba Sultanpur-Mitru-Luddan Rd	District Council	Luddan Cattle Market	Qibla Alam Super Store	90	2.7	77%	Various	• Convert to Road B, • Discuss with stakeholders
RID6.4a	Tibba Sultanpur-Mitru-Luddan Rd	District Council			90	1.7	71%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID6.4b	Tibba Sultanpur-Mitru-Luddan Rd	District Council			90	1	6%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID7.1	Vehari-Mailsi Road	District Council	Sitara Peetrol Pump	Panda Petrol Pump	60	0.8	51%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID7.2	Vehari-Mailsi Road	District Council	MUMTAZ SWEETS nd bakery	Hassan Tariq Petroleum	60	3	55%	Various	• Convert to Road B, • Discuss with stakeholders
RID7.2a	Vehari-Mailsi Road	District Council			60	1.11	38%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID7.2b	Vehari-Mailsi Road	District Council			60	1.89	17%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID7.3	Vehari-Mailsi Road	District Council	Zain Akbar Petroleum Service	TP SEEDS Private Limited Company	60	1.1	42%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
RID7.4	Vehari-Mailsi Road	District Council	Al Madina Cloth House (AMCH)	United Bank Limited	40	0.6	94%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID7.5	Vehari-Mailsi Road	District Council	UBL	Usama Ice Factory	40	0.8	84%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID7.6	Vehari-Mailsi Road	District Council	Islampur Mailsi	Rao Iqbal Gas Center	60	10.4	39%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID8	Mailsi-Kahor Pakka Road	District Council	PSO Pump Mailsi	PSO Petroleum Service	90	8.6	47%	Various	• Convert to Road B, • Discuss with stakeholders
RID8a		District Council			90	0.7	6%	EBA	• Convert to Road B, • Discuss with stakeholders
RID8b		District Council			90	7.9	40%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID9	Mailsi Syphan Road	District Council	The Multan Alma-Mailsi	Head Syphon Pull	80	10	56%	Various	• Convert to Road B, • Discuss with stakeholders
RID9a		District Council			80	1.1	2%	EBA	• Convert to Road B, • Discuss with stakeholders
RID9b		District Council			80	8.9	54%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID10	Mailsi -Mitru Road	District Council	Malik Hair Saloon	Azeemia Petroleum Service	60	2	35%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID11	Mailsi - Jalla Jeem Road	District Council	Prince Mobile and Repairing Center	AI Naseer Ice Factory	40	12.7	27%	Various	• Convert to Road B, • Discuss with stakeholders
RID11a		District Council			40	2	4%	EBA	• Convert to Road B, • Discuss with stakeholders
RID11b		District Council			40	10.7	23%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID12	Garha More-Peppli Adda Road	District Council	Manddi road	Aqeel Petroleum Service	60	0.9	73%	Various	• Convert to Road B, • Discuss with stakeholders
RID12a		District Council			60	0.45	46%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
RID12b		District Council			60	0.45	28%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID13.1	Mittro - Garha More	District Council	Al Makkah Meducal Store	Dera Mumtaz Hussain Khyyer	60	1.9	64%	Various	• Convert to Road B, • Discuss with stakeholders
RID13.1a		District Council			60	0.67	56%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID13.1b		District Council			60	1.23	9%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID13.2	Mittro - Garha More	District Council	Shawaiz home Pull Mittro	Jindwada Cattle FORM	60	0.9	57%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID14	Garha More Khanewal Road	District Council	Adda Garha More	Noman Petroleum Service	60	4.3	44%	Various	• Convert to Road B, • Discuss with stakeholders
RID14a		District Council			60	0.5	20%	EBA	• Convert to Road B, • Discuss with stakeholders
RID14b		District Council			60	3.8	24%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID15.1	Burewala Road	District Council	Superior College, Vehari Campus	Horizon Oil Depo	150	5.8	46%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID15.2	Burewala Road	District Council	Zamzam Attock Petroleum	Green City Petroleum	150	1.7	67%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID15.3	Burewala Road	District Council	Inayatullah Building Material	ABC Petrol	150	2.7	74%	Various	• Convert to Road B, • Discuss with stakeholders
RID15.3a		District Council			150	1.8	68%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID15.3b		District Council			150	0.9	5%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID15.4	Burewala Road	District Council	esahulat63883	Adda Zaheer Nager	150	4.9	57%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID16.1	Vehari Khanewal Road	District Council	Vehari Village	Shan Petrol Pump 22/WB	90	1.9	37%	Various	• Convert to Road B, • Discuss with stakeholders
RID16.1a		District Council			90	0.71	26%	EBA	• Continue as List A

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
									• Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID16.1b		District Council			90	1.19	11%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID16.2	Vehari Khanewal Road	District Council	Sitara17 Petroleum	Hascol Pump	90	2.3	48%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID16.3	Vehari Khanewal Road	District Council	Madina PetroleumServices	Across Eid Gha 32/WB	90	1	33%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID16.4	Vehari Khanewal Road	District Council	Ali Karyana Store 34/WB	Boundary of 34/WB	90	1.3	62%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID16.5	Vehari Khanewal Road	District Council	Brick Kiln 62/WB	Jamia Masjid Ghosia	90	1.4	71%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID17.1	Vehari Luddan Road	District Council	Approch Road 39/WB	Adda Pull Mohsin Shah	120	2	44%	Various	• Convert to Road B, • Discuss with stakeholders
RID17.1a		District Council			120	1.2	16%	EBA	• Convert to Road B, • Discuss with stakeholders
RID17.1b		District Council			120	0.8	29%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID17.2	Vehari Luddan Road	District Council	Chaudhari Service Station	Latif Filling Station	120	5.8	56%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID17.3	Vehari Luddan Road	District Council	Umar Tufail Petroleum	Syed brothers Commission Shop	120	4.4	47%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID17.4	Vehari Luddan Road	District Council	Pushia Cotton Factory	Luddan Police Station	120	5.4	48%	Various	• Convert to Road B, • Discuss with stakeholders
RID17.4a		District Council			120	1.13	17%	EBA	• Convert to Road B, • Discuss with stakeholders
RID17.4b		District Council			120	4.27	31%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID18	Vehari Bagban Pura Road	District Council	Jamia Masjid Taaj	End of Baghban Pura	40	1.2	19%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
RID19.1	Luddan-Hasilpur Road	District Council	Diwan Dastgeer PetroleumService	Quetta Baluchistan Namkeen Hotel Branch	100	2.9	64%	Various	• Convert to Road B, • Discuss with stakeholders
RID19.2	Luddan-Hasilpur Road	District Council	Ahmad Shifakhana	Masjid	100	3	42%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID19.3	Luddan-Kachi Paki Road	District Council	Baba Electric Works	Zabita Petroleum	100	3.4	31%	Various	• Convert to Road B, • Discuss with stakeholders
RID19.3a		District Council			100	0.92	24%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID19.3b		District Council			100	2.48	7%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID20.1	Burewala - Chichawanti Road	District Council	Arid University 431/EB	University Town Phase-1	154	4.8	38%	Various	• Convert to Road B, • Discuss with stakeholders
RID20.1a		District Council			150	1.87	10%	SDZ	• Design parameters as per SDZ
RID20.1b		District Council			150	2.93	28%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID20.2	Burewala - Chichawanti Road	District Council	Al Tahir Peetroleum Service	Field Office No.7	154	0.7	74%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID20.3	Burewala - Chichawanti Road	District Council	Pull 100	Sheikh Fazal Sukh Biyas Canal Pull	154	4.7	47%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID21	Sheikh Fazal to Gaggoo Mandi Road	District Council	Adda Sheikh Fazal/Roshan Sweet Bakers	Pakpattan Canal Pul	55	2	57%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID22.1	Burewala to Arifwala Road/Lahore Road	District Council	Patrolling Police Check Post	Ayesha Gardeen LSD	154	1.6	66%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID22.2	Burewala to Arifwala Road/Lahore Road	District Council	City Garden L.S.D 21 5/EB	Model City LSD	154	1.9	67%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
RID22.3	Burewala to Arifwala Road/Lahore Road	District Council	Mian Chowk/Musafar Khana	Pull Canal3R-L	55	0.6	67%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID22.4	Burewala to Arifwala Road/Lahore Road	District Council	Royal City	Waris Shaheed Check Post	154	0.9	74%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID23	Burewala to Vehari Road /Multan Road	District Council	PSO Petroleum	Pull Rajba Adda Zahir Nagar	154	2.1	31%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID24.1	Burewala to Jhal Siyal Road (Masoom Shah Road	District Council	Government Primery School 449/EB	Al-Azan City-449/EB	55	0.7	39%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID24.2	Burewala to Jhal Siyal Road (Masoom Shah Road	District Council	The Spirit Schoo1455/E.B	Progenitor School 455/E.B	55	0.9	57%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID25.1	Burewala-Chack No 118/EB Road	District Council	Bhutto Co lony 437/EB	Telephone Exchange 497/EB	55	5.5	40%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID25.2	Burewala-Chack No 118/EB Road	District Council	Al Rehman Petroleum 128/EB	Government Girls Primary School	55	2.7	51%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID26.1	Burewala To Kmand Road	District Council	Dawood Rice Factory	Pasco Godwon-Dallan Bangla	154	4	34%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID26.2	Burewala To Kmand Road	District Council	lman Center Commercil Market	Telephone Exchange Madina Chowk	154	1.2	72%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID27.1	Adda Manamor - Jamlera Road	District Council	Main Chowk Manamor	Graveyard 257/EB	154	1.3	73%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID27.2	Adda Manamor to Jamlera Road	District Council	Passco Godwon	Al Hamd Market	154	0.8	81%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID27.3	Adda Manamor to Jamlera Road	District Council	Maqsood Ahmad Tubewel	Stop 291/EB 0.5 KM to Jamlera	154	0.5	53%	Outside EBA/SDZ	• Continue as List A

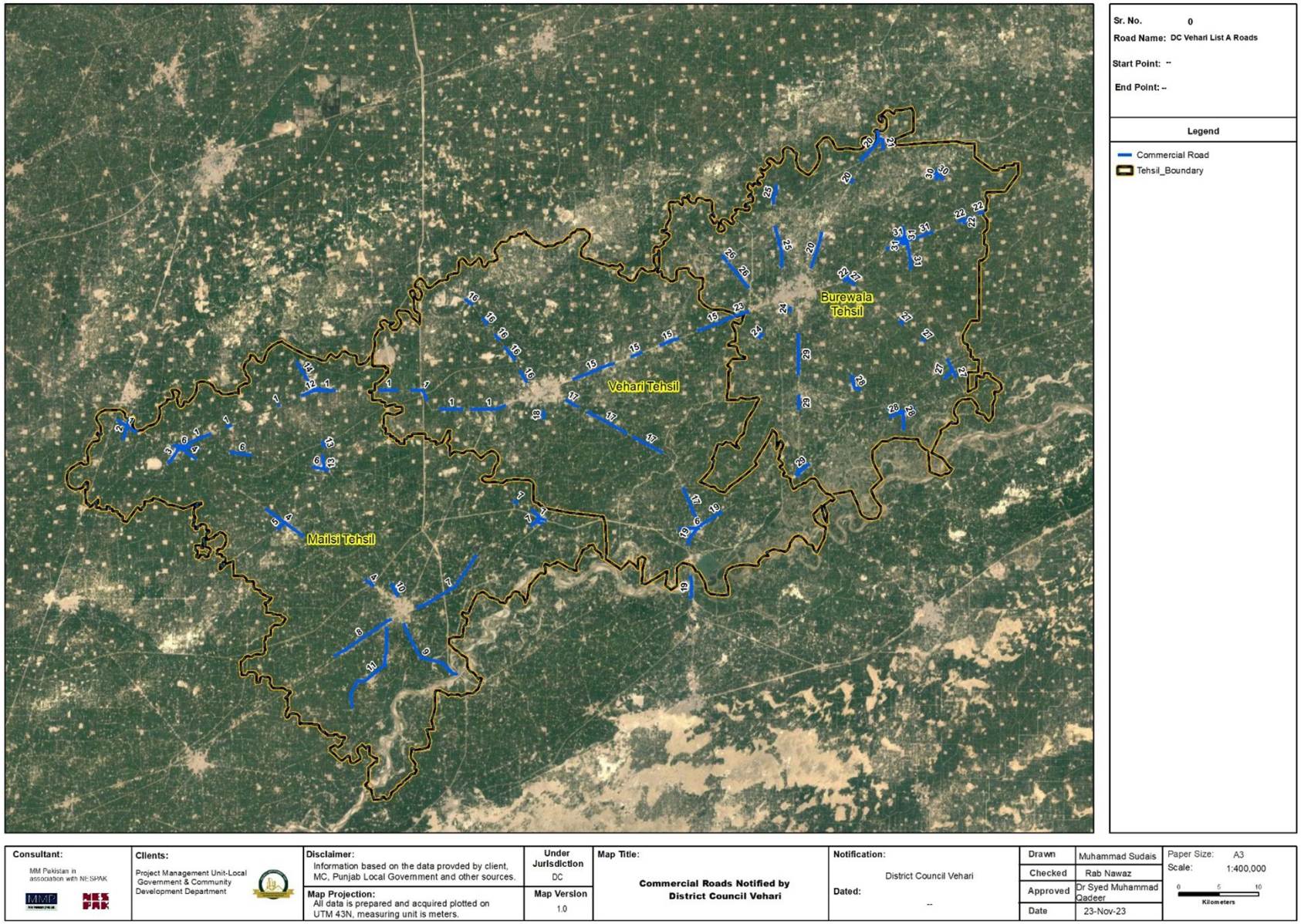
Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
									• Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID27.4	Adda Manamor to Jamlera Road	District Council	Qanchi Mor	Basti Mian Jamlera Sahuka Rd	110 and 55	3.2	65%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID27.5	Adda Manamor to Jamlera Road	District Council	Shahbaz Bhatti BTS Tower 35/KB Marly Road	Main Chowk -1-Km Mall Mandi Band Road	55	1.2	69%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID28.1	Burewala to Sahuka Road	District Council	Eman Town L.S.D 321/EB	Zia Dhudi Petroleum	55	2.6	56%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID28.2	Burewala to Sahuka Road	District Council	Darbar Baba Deen Muhammad Haji Sher Road	Allah Ditta Dhudi Petrol Pump Chistian	55	4.4	45%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID28.3	Burewala to Sahuka Road	District Council	Haji Muhammad Iqbal Bhatti Tubewel Kachi Pakki Rd	Choudary Ice Factory Jamlera Road	55	3.5	46%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID29.1	Burewala to Luddun Road	District Council	Paragon Chemicals Luddan Road Burewala	Stop 331/EB O.SKM to Fateh Shah	154	5.2	40%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID29.2	Burewala to Luddun Road	District Council	Police Statio Fateh Shah	Pasco Pul Khadir	154	2	48%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID29.3	Burewala to Luddun Road	District Council	Farmer Cotton Industry	Madrasa Taleem-ul-Quran Luddan Road	55	2.3	43%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID29.4	Burewala to Luddun Road	District Council	M. Riaz Saldera House Sahuka Rd	AI Usman Oil Bhindi Jatera Rd	55	2.3	59%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID30.1	Madina Chowk Ada Quarter To Sheikh Fazal Road	District Council	AL Madina Kasht (Kiln) Adda Quarter	Market Rana Muhammad lmran Sheikh Fazal	55	1.6	34%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID30.2	Madina Chowk Ada Quarter To Sheikh Fazal Road	District Council	Ch. Mukhtar Bricks Gago Road	Tehrikni More	55	1.6	41%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID31.1	Gaggo Mandi	District Council	Bismillah Petrol Pump 187/E.B	Ganj Shakar Ghee Mill 185/E.B	154	6.3	60%	Various	• Convert to Road B, • Discuss with stakeholders

Road ID	Road Name	Jurisdiction	Starting Point	Ending Point	Total Width (ROW) Ft	Road Length (KM)	Percetage of Commercial Properties	Road Placement	Recommendation as per analysis
RID31.1 a	Gaggo Mandi	District Council			150	2.8	42%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID31.1 b	Gaggo Mandi	District Council			150	3.5	18%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID31.2	Gaggo Mandi	District Council	Waris Shaheed Chowk	Stop 193/EB	110	2.1	73%	Various	• Convert to Road B, • Discuss with stakeholders
RID31.2 a	Gaggo Mandi	District Council			110	0.61	8%	SDZ	• Design parameters as per SDZ
RID31.2 b	Gaggo Mandi	District Council			110	1.49	66%	Outside EBA/SDZ	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID31.3	Gaggo Mandi	District Council	Waris Shalbeed Chowk	Zain City Housing Scheme	110	4.1	47%	Various	• Convert to Road B, • Discuss with stakeholders
RID31.3 a	Gaggo Mandi	District Council			110	1.48	35%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID31.3 b	Gaggo Mandi	District Council			110	2.62	12%	Outside EBA/SDZ	• Convert to Road B, • Discuss with stakeholders
RID31.4	Gaggo Mandi	District Council	Lari Adda	Muzaffar Park	55	0.3	98%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID31.5	Gaggo Mandi	District Council	Baba Fareed Service Station	Sardar Merriage Hall	55	0.6	35%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID31.6	Gaggo Mandi	District Council	Allama Iqbal Chowk	Hashmat Kryana Store	25	0.2	100%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)
RID31.7	Gaggo Mandi	District Council	New Gaggoo City	Allied School	55	2.3	24%	EBA	• Continue as List A • Setback as per plot size (10' for upto 10m, 15' for 10m to 1k, 20' for more than 1k)

4.4 Integration of Reviewed Commercial Roads

The consultant has integrated the review of commercialized roads as an essential part of the SDZ Structure Plan review process. This approach ensures that roads under commercialization are comprehensively evaluated and aligned with the overall development strategy.

Map 21: Map of Commercial Roads of District Vehari



Consultant: MM Pakistan in association with NESPAK	**Clients:** Project Management Unit-Local Government & Community Development Department	**Disclaimer:** Information based on the data provded by client, MC, Punjab Local Government and other sources.	**Under Jurisdiction** DC	**Map Title:** **Commercial Roads Notified by District Council Vehari**	**Notification:** District Council Vehari	Drawn	Muhammad Sudais	Paper Size: A3
		Map Projection: All data is prepared and acquired plotted on UTM 43N, measuring unit is meters.	**Map Version** 1.0		**Dated:** --	Checked	Rab Nawaz	Scale: 1:400,000
						Approved	Dr Syed Muhammad Qadeer	0 5 10 Kilometers
						Date	23-Nov-23	

CHAPTER 5

DISTRICT LAND USE AND ZONING PLAN

CHAPTER 5
DISTRICT LAND USE AND ZONING PLAN

5.1 District Connectivity Plan

The District Connectivity Plan for Vehari addresses the challenges of increasing mobility, congestion, and the need for sustainable transportation. As Vehari evolves into a potential economic hub, the plan provides context-specific recommendations to create a well-connected and accessible region, ensuring efficient movement, enhanced safety, and improved quality of life.

The plan adopts a comprehensive approach, focusing on inter- and intra-district connectivity by improving existing infrastructure and proposing new routes. By employing data-driven analysis, engaging stakeholders, and applying best practices in transportation planning, the goal is to optimize the current system and adapt to future growth and changing mobility patterns. The plan also includes proposals for a ring road/bypass and a network of primary, secondary, and link roads, along with the rehabilitation of existing roads through widening. These efforts aim to enhance connectivity within the district and with other regions, supporting Vehari's growth and sustainable development.

5.1.1 Recommendation for Existing Infrastructure Improvement

The recommendations include road improvements, widening, and rehabilitation based on transportation studies.

5.1.1.1 Inter-city/Economic Corridors

Economic activity within a Tehsil is intricately interconnected with various regions across the District, demonstrating a continuous flow of goods and services. This dynamic exchange spans from agricultural produce reaching markets, inter-municipal commerce, movement between rural storage facilities to urban industrial units, and the transit of goods from manufacturing facilities to export units. These are a few examples of commercial and economic activity related to the economic base of the region. To strengthen and streamline these vital connections, District Vehari has identified seven (7) designated intercity corridors.

Table 5-1: Economic Corridors in District Vehari

Road Name	Length (km)	Start X	Start Y	End X	End Y	Road Share %
Multan Road	29.7338	72.986805	30.273089	72.70854	30.162723	67.41%
Vehari Burewala Road	28.2643	72.361357	30.049314	72.633545	30.142252	70.00%
Mailsi Multan Road	29.5688	71.886021	29.981228	72.135015	29.827578	59.84
Kahror Pakka-Mailsi Road	19.0701	72.170442	29.792481	72.00598	29.698247	49.26%
Hasilpur Road	35.1647	72.361842	30.047528	72.549084	29.824017	63.60%
Khanewal Road	15.1577	72.23048	30.164157	72.330977	30.061686	53.68%
Mailsi-Vehari Road	36.464	72.186572	29.798772	72.309987	30.031587	54.71%

5.1.1.2 New Proposed Roads

New roads have been proposed including ring road and bypasses have been proposed on the district level forming connectivity between tehsils and other existing settlements. These connectivity roads economic boost in the Vehari region by providing better accessibility and connectivity along with easier and fast transportation of goods and services. Moreover, these proposed roads will also serve the future growth and development of Vehari District.

Two ring roads with the length of 16.04 km and 15.12 km have been proposed around Vehari city with 150 ft right of way (ROW) named as P1-(2043) and P2-(2043) which will serve as northern and southern bypass

respectively in Vehari city. These proposed ring roads connected with major roads of the Vehari city will improve the flow of the traffic between Vehari and other major urban and rural areas including Mailsi, Burewala, Karampur, Tibba Sultanpur, and Luddan.

Two bypasses have been proposed in Mailsi city with 150 ft ROW named P3-(2043) and P4-(2043) spanning over the length of 8.75 km and 16.91 km. Both bypasses have been proposed in the northern and southern side of the Mailsi city.

Two bypasses P5-(2043) and P6-(2043) have been proposed in Burewala city with 150 ft ROW and have lengths 15.5 km and 14.98 km respectively.

Table 5-2: Proposed Bypasses in District Vehari

Road Name	ROW (ft)	Length (km)	Start_X	Start_Y	End_X	End_Y
P1-(2043)	150	16.04	72.292633	30.026213	72.410772	30.066213
P2-(2043)	150	15.13	72.410772	30.066213	72.292633	30.026213
P3-(2043) (Proposed Southern Bypass)	150	8.75	72.144825	29.779932	72.205889	29.806374
P4-(2043) (Proposed Northern Bypass)	150	16.91	72.205889	29.806374	72.144825	29.779932
P5-(2043)	150	15.5	72.624676	30.139286	72.734155	30.169151
P6-(2043)	150	14.98	72.734155	30.169151	72.624676	30.139286

5.1.1.3 Proposed Roads Widening

The widening of existing primary roads is proposed to serve the present needs and future development in the district. The existing road in Vehari District is proposed for 120 ft & 80 ft ROW which will serve as the southern Expressway/ Highway for Sambrial city. Four variants of widening have been proposed in District Vehari with 150 ft, 120 ft, 100 ft, and 80 ft ROW. The table below lists the 10 roads which have been proposed for widening in District Vehari which include Roras Road, Southern Bypass (Sambrial), WP-1 (2043), Jamke Road, Jagatpur Road, Badiana Road, WP2-(2043), WP3-(2043), and Ghuinke-Ugoke Sharaf Shah Link Road.

Multan Road forms connectivity between Burewala, Vehari, Multan, and Lahore. It also connects with Arifwala, situated in Pakpattan District, and Sahiwal, situated in Sahiwal District. Additionally, the road connects all three tehsils and goes through the entire district. Mailsi-Multan Road forms connectivity between Mailsi and Multan. The road starts at Railway Phatak Chowk, goes to Al Raza Town, Burewala. Kahror Pakka-Mailsi Road forms connectivity between Mailsi and Kahror Pakka. It starts from the Colony Chowk, goes in the south-western direction, and ends at Kahror Pakka, situated in Lodhran District. The settlements situated along the road include Basti Nathay Wala, Basti Ameerpur. Hasilpur Road originates from Vehari and goes in the south-eastern direction of the district and forms connectivity with Hasilpur, a city of Bahawalpur District. It also forms connectivity with the settlements along the road including Chak 35WB, Chak 33/WB, Shamasabad, Basti Ratta Tibba, and Luddan. Mailsi-Vehari Road forms connectivity between Mailsi and Vehari. It originates from Quaid-e-Azam Road, goes in the north-eastern direction and ends at Lahore-Multan Road near COMSATS University. It also forms connectivity with the settlements along the road including Karampur, Chak 67/WB, Chak 63/W.B, and Chak 55/WB.

Table 5-3: Rehabilitation of Existing Primary Roads in District Vehari

Road Name	Road Type	ROW (ft)	Length (km)	Start X	Start Y	End X	End Y
Multan Road	Expressway/ Highway	120	29.73	72.986805	30.273089	72.70854	30.162723
Vehari-Burewala Road	Expressway/ Highway	120	28.26	72.361357	30.049314	72.633545	30.142252
Mailsi-Multan Road	Primary Road	100	29.57	71.886021	29.981228	72.135015	29.827578
Khanewal Road	Primary Road	100	15.16	72.23048	30.164157	72.330977	30.061686
Kahror Pakka-Mailsi Road	Primary Road	80	19.07	72.170442	29.792481	72.00598	29.698247
Hasilpur Road	Primary Road	80	35.16	72.361842	30.047528	72.549084	29.824017
Mailsi-Vehari Road	Primary Road	80	36.46	72.186572	29.798772	72.309987	30.031587

5.1.2 Proposed Roads in Area Development Plan for District Vehari

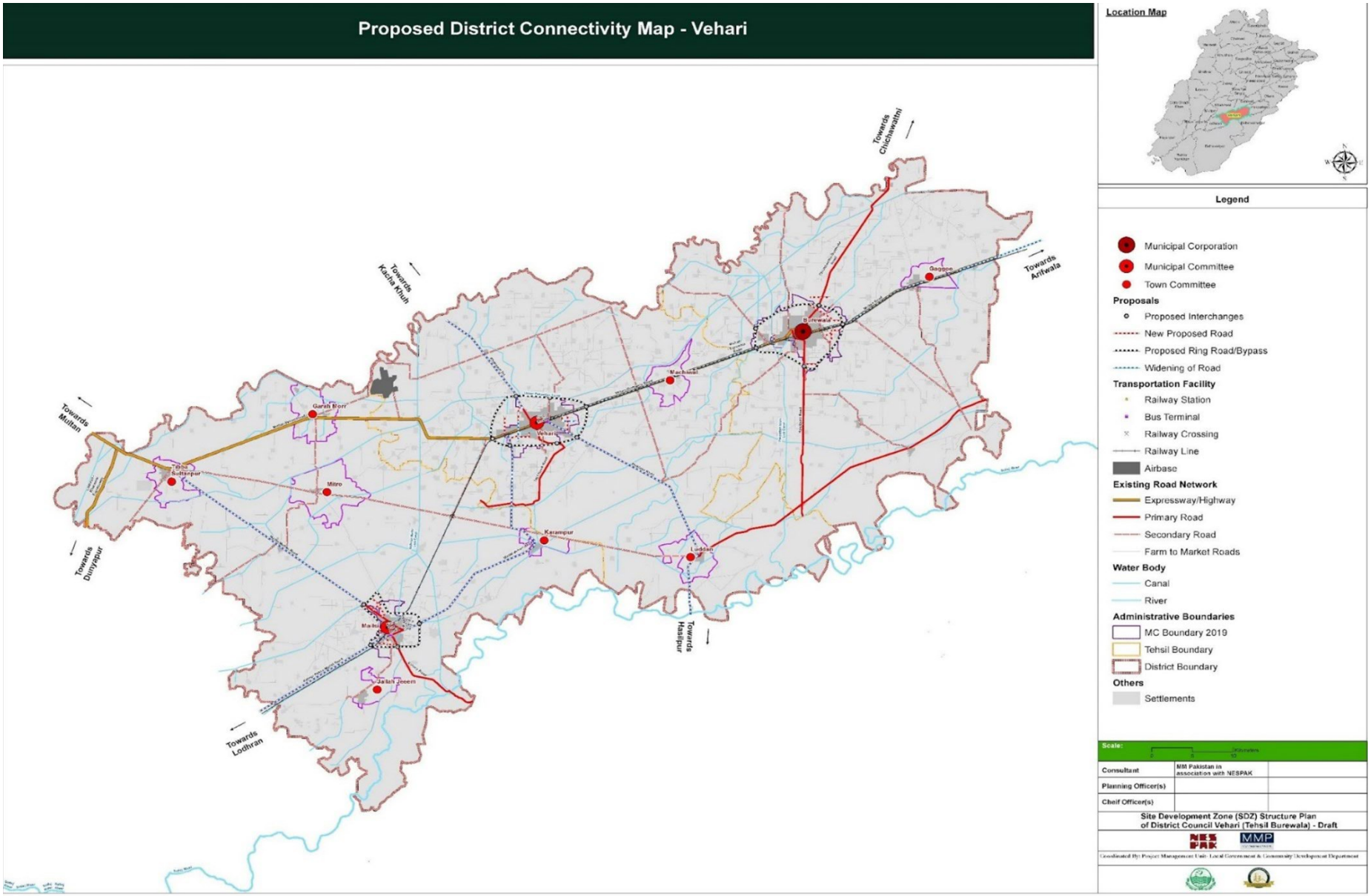
To prepare the comprehensive District Connectivity Plan review of ADP Schemes roads have been done for the District Vehari and proposed roads have been identified for the district which is shown in below table.

Table 5-4: Area Development Plan Proposals for Road Network Development in District Vehari

Sr. No.	Name	Status
1	Construction of metalled road approach roads in Danish School Tibba Sultan Pur (Mailsi) from Multan Road to Danish School from Tibba Dunya pur road to Danish School	Approved
2	Rehabilitation/Reconstruction of Mettle Road from Noor Shah Muhammad Shah Chowk to Railway station Noor Shah via Basti Noor Shah	
3	Construction of dual carriageway from Burewala to Chichawatni road (Remaining Portion)	
4	Widening and Improvement of Metalled Road from Ratta Tibba to Karampur Luddan Road	
5	Widening and Improvement of Metalled Road from Machiwal to Chak No. 58/KB	
6	Widening / Reconstruction of Road from Chak No. 212/EB to Piply Adda Khanewal Road via Chak No. 214/EB & 36/WB	
7	Widening and Improvement of Garah More Khanewal Road (Garah More to District Boundary Vehari)	
8	Widening / Rehabilitation / Construction of Metalled road from Chak No. 52/WB to Pipli Garah More Road	
9	Construction / widening / rehabilitation of Metalled road from Baghwan Pura, Mumtaz Garden COMSAT University, 55/WB, 57/WB, 65/WB, 61/WB, Basti Srfraz Arain, Basti Imtiaz Jutt, Lundo Minor upto 51/WB	
10	Construction / widening / rehabilitation of Metalled road from 116/WB, 110/WB, Rath Mammar, 128/WB, 126/WB, Basti Ramzan Gujjar, 136/WB, 118/WB, Kot Sawan upto Adda 118/WB	
11	Construction / widening / rehabilitation of Metalled Road from 13/WB to Chak No. 85/WB via Pir Murad, via 75/WB, 77/WB, 79/WB, 81/WB, 83/WB	
12	Construction / widening / rehabilitation of Matalled from Baghwan Pura to Vehari Mailsi Road via Baghwan Pura, Munna Tibba 47/WB, 53/WB, Basti Chachak Wala and Basti Nonari Wala to 47/WB Mailsi Road	
13	Construction / Widening / Rehabilitation of Metalled Road from Chak No. 39/WB to Karam Pur Qusamsar Road via 6-Lot, Pull Mohsin Shah, 37/WB, 51/WB, Basti Oray Wali, Abdullah Wah, Basti Gehli Wali	
14	Construction of carpeted road from DM road to Ludden Road along the Mana 2R/3L Minor	
15	Rehabilitation of Gagoo Sheikh Fazal Road	
16	Construction of metalled road from Basti Pullwala mouza Fadda to Mailsi Syphon road via Khan pur, basti Marooq, basti Syed Illyas, basti Qasaiwala, basti Duray wala, Jameel marquee Mailsi Syphon Road	
17	Construction of Metal Road from Luddan Kachi Pakki Road P1 Link to Tajwana Adda Khaji Wala via Outfal, Mian Hakim, Baqir Shah, Khichi Chamman and Behind Mehro Road Mian Pur	
18	Construction of Widening / Improvement of Metalled Road from Sahuka Police Station to Baili Dilawar via 35/KB, 36/KB	
19	Construction of Metalled Road Chak No.409/EB to Chak No.405/EB, 407/EB (Remaining Portion)	
20	Widening/ Rehabilitation and Construction of Road from Burewala Joyia Road Mile No. 7 to Chak No. 489/Eb via 495/Eb, 493/Eb, 491/Eb, Basti Sikandarabad upto Khadir Canal	Unapproved

Sr. No.	Name	Status
21	PC-II for outsourcing of quality control regime	
22	Upgradation / Capacity Building of Road & Building Research Labs	
23	Rehabilitation of Mana Jamlera	
24	rehabilitation of Luddan Karam Pur Road	
25	Widening / improvement of 20' to 24' wide Vehari Mailsi Kahror Pacca Lodhran Road (section Mailsi city to district boundary Vehari)	

Map 22: Proposed District Connectivity Map-Vehari



5.2 District Land Use & Zoning Plan

The District Land Use and Zoning Plan for Vehari provides a comprehensive framework for urban and regional development across the district. It integrates existing land use patterns, administrative boundaries, proposed site development zones, economic activity hubs, allied agricultural zones, and a comprehensive network of structure plan roads. The plan aims to optimize land resource utilization, ensuring orderly development in line with regulatory requirements and growth projections.

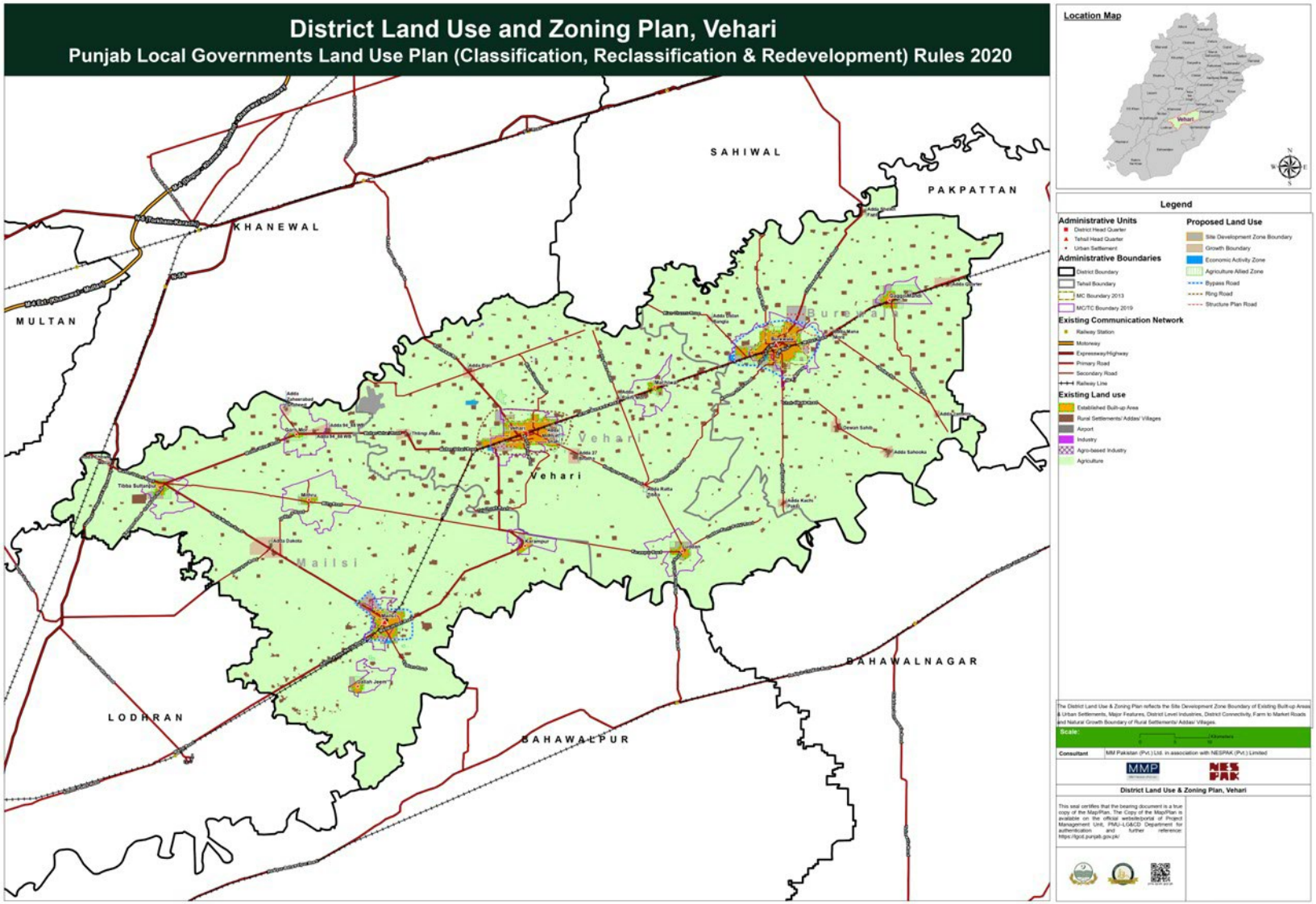
This plan consolidates Established Built-up Areas (EBAs), Site Development Zones (SDZs), and delineated growth boundaries for settlements across the district. It covers the Site Development Zone (SDZ) Structure Plans for seven Municipal Committees (Vehari, Mailsi, and Burewala) and potential urban settlements. These spatial components are systematically aligned to ensure uniformity in planning and zoning strategies, addressing urban expansion and rural growth simultaneously.

The plan incorporates zoning principles to proposed specific land uses effectively. Site Development Zones (SDZs) are proposed to plan the urban expansion areas and mitigate unplanned sprawl. Economic Activity Zones are identified to concentrate industrial, commercial, and service-oriented development activities, maximizing economic productivity. Allied Agricultural Zones are designated to sustain agriculture and agro-industrial activities, preserving the rural economy while integrating it with urban growth. These zoning provisions are complemented by detailed structure plan roads to enhance regional connectivity and support the transportation needs of economic corridors and settlement clusters.

In compliance with the Land Use Rules 2020 and the standing instructions issued on 17.09.2022, the plan ensures adherence to planning regulations, aligning all proposed interventions with legal standards. Detailed mapping and analysis underpin the zoning classifications, including the integration of List-A roads and the identification of future development zones.

The Land Use and Zoning Plan serves as a regulatory framework for the comprehensive spatial development of Vehari. It ensures structured and sustainable land management by addressing the spatial requirements of residential, commercial, industrial, and agricultural activities. The plan supports infrastructure development, enhances regional connectivity, and fosters economic integration through precise zoning and development strategies. By employing rigorous technical methodologies and aligning with statutory regulations, this framework provides a clear and actionable roadmap for the district's long-term spatial planning and economic growth. This strategic and sustainable framework provide beyond the traditional zoning practices, addressing both current and future development needs while ensuring a cohesive and community-focused approach. The detailed land use plan including the existing land use classification, notified List-A roads as well as proposed Site Developments Zones has been shown in below map.

Map 23: District Land Use & Zoning Plan of Vehari



Planning Support System:

The Planning Support System is a comprehensive digital platform equipped with advanced tools to assist Local Governments in implementing and monitoring Land Use Plans. It generates Automated Zoning Reports, detects Land Cover Changes and supports policymakers in reviewing and updating the plans effectively. To access the portal, please visit:

http://pmu-lgcdd.gop.pk/portal/

Project Management Unit (PMU)

Local Government and Community Development Department

http://pmu-lgcdd.gop.pk/public/