Government of Kerala

SURVEY ON MARKETS IN KERALA: 2021-22

REPORT

Survey and Design Division
Department of Economics and Statistics

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Preface

Department of Economics and Statistics (DES) is the nodal agency of the State responsible for the collection, compilation, analysis, interpretation, and dissemination of statistical data across various socio-economic sectors of the Kerala economy. As part of its mandate, the Department undertakes extensive data collection to address the data needs of Kerala's economy.

The Market Intelligence (MI) Division of DES is tasked with collecting and disseminating agricultural market wholesale prices, arrivals, and stock despatches of commodities. It compiles daily price statistics and weekly price statistics on goods movement and stock levels from various MI centres across the state. This information is disseminated to farmers and producers through platforms such as daily bulletins broadcast on All India Radio (AIR). Recognizing the dynamic nature of agricultural markets, the MI Division continuously updates its systems to ensure the accuracy and relevance of information for stakeholders.

The evolution of agricultural markets in Kerala reflects broader socio-economic transformations over centuries. From traditional barter-based exchanges to today's sophisticated market structures, these markets have adapted to shifts in production, trade, and consumer behaviour. Historical trade practices, economic reforms, and globalization have played pivotal roles in shaping Kerala's agricultural market landscape, illustrating the interplay between economic transitions and cultural shifts.

In recent decades, globalization and modernization have brought profound changes to agricultural markets. The emergence of organized retail formats- such as supermarkets, hypermarkets, and shopping malls- has introduced new dynamics into the market system. While these modern retail establishments have provided opportunities for expanded market access and efficiency, they have also raised challenges to traditional markets. The growing presence of intermediaries, changes in consumer preferences, and competition from global retail giants have redefined the pathways through which agricultural produce is traded and consumed.

Kerala's agricultural economy, which contributes approximately 10% to the State's Gross State Domestic Product (GSDP), of which around 6% is from direct crop cultivation, has witnessed significant transformations in crop patterns and trading methods. A substantial portion of agricultural commodities in Kerala are sourced from other states. The advent of modern retail formats and informal wholesale trade networks has further altered traditional trading systems, necessitating updates to market intelligence frameworks to reflect these emerging realities.

While public markets remain integral to agricultural trade, a significant volume of transactions now occurs outside specified market areas. Informal wholesale traders often engage directly with farmers, sometimes offering prices higher than those in public markets. However, these informal trade networks largely remain outside the purview of existing data collection systems. In order to identify profitable markets by farmers themselves and assess price stability effectively, it is essential to revamp the market price collection system to include these informal trade dynamics.

Recognizing the shifts in the agricultural market landscape, the Department of Economics and Statistics (DES) conducted a comprehensive survey to examine the evolving structure of agricultural markets in Kerala. The survey focused on documenting the functioning of public agricultural markets across various districts and assessing the impact of modern retail mechanisms on traditional trade systems. It also aimed to identify key individuals and entities engaged in trade outside public markets and to evaluate the nature of trade, marketable surplus, and overall market dynamics. The findings of the survey are intended to strengthen the Market Intelligence (MI) Division's database and improve methodologies for price collection. Additionally, the survey provides critical insights into the challenges posed by globalization and highlights the market potential of local agricultural products, thereby enabling policy makers to develop data-driven strategies for agricultural marketing and trade regulation so as to reduce exploitation of intermediary agencies.

This report presents the results of the survey, offering a detailed analysis of the current market landscape in Kerala. The survey was conducted using a census-based approach, covering all administrative units of the local self-government institutions. The comprehensive scope of this approach ensures the coverage of entire geographical and demographic area of the State.

The successful completion of the survey was made possible through the collective efforts of various officers at State, District and Taluk levels. The Department acknowledges the diligent efforts of the Statistical Investigators for their field-level data collection, as well as the taluk and district-level officers for their meticulous supervision and scrutiny of schedules. Special recognition is accorded to the district Deputy Directors for their coordination of survey activities in their districts concerned. The report was prepared by the officials of the Survey and Design Division under the leadership of Smt. Sudharsa R., Senior Joint Director, with the technical guidance of Sri. Manoj M., Additional Director (State Income). The technical expertise rendered by Sri. Shibukumar D.S., Deputy Director (Computer Division) and the staff of Computer Division are instrumental in generating the report. The Department is also thankful to all the traders and stakeholders of agricultural markets who spent their precious time for sharing valuable information required for the survey. Ample appreciation is extended to all those officials and non-officials who extended their wholehearted support to the successful conduct of the survey.

The Department solicits readers to provide their valuable comments and suggestions on this report. Such feedback will serve as a guide for futuristic planning and to enhance the Department's furtherance in its data initiatives. The Department has been leveraging the latest technology in disseminating data to users. This initiative can also help the Department's strides to develop a data analytics dashboard for effective monitoring and dissemination of prices data. It is anticipated that this report will prove beneficial to experts, researchers, and policymakers engaged in agricultural marketing and trade, contributing to the sustainable development in Kerala's agricultural sector.

Vikasbhavan **Sreekumar B.**
29/03/2025 **Director**

Highlights

- A total of 1,248 agricultural markets are in operation in the State. Thiruvananthapuram has the highest number of markets with 270 (21.63%), followed by Kollam with 185 (14.82%). In contrast, Kasaragod has the least number of markets, with just 21 (1.68%).

(Section 2.1, Page 15)

- Of the 1,248 markets surveyed, 173 (13.86%) were identified as exclusive wholesale markets and 665 (53.29%) markets as exclusive retail markets. Additionally, 410 (32.85%) markets operate in both wholesale and retail capacities.

(Section 2.2.1, Page 16)

- Out of the total 1,248 markets, 583 (46.71%) are engaged in wholesale operations, and 1,075 (86.14%) function as retail markets. Since some markets are involved in both wholesale and retail activities, they are counted in both categories.

(Section 2.2.2, Page 18)

- Among the 583 non-exclusive wholesale markets, primary wholesale markets account for 274 (47.00%), secondary wholesale markets comprise 62 (10.63%) of the total, and terminal wholesale markets constitute 35 (6.00%). Additionally, 91 (15.61%) markets operate as both primary and terminal wholesale markets, while 121 (20.75%) function as primary, secondary, and terminal wholesale markets simultaneously.

(Section 2.3, Page 20)

- Out of a total of 1,248 markets, 983 (78.77%) are situated in Grama Panchayaths, 158 (12.66%) in Municipalities, and 107 (8.57%) in Municipal Corporations.

(Section 2.4, Page 20)

- Among the 1,248 markets, only 11 (0.88%) markets have been operational for less than a year, while 322 (25.80%) markets have been active for 20 to 50 years, and 296 (23.72%) markets have been in operation for 50 to 100 years. Additionally, 66 (5.29%) markets have remained active for more than a century.

(Section 2.5, Page 21)

- Out of 1,248 markets surveyed, 487 (39.02%) are owned by Local Self-Government Institutions, 123 (9.86%) by the Department of Agriculture Development and Family Welfare, 115 (9.21%) by farmers fraternity, 36 (2.88%) by cooperatives, and 240 (19.23%) by the Vegetable and Fruit Promotion Council of Kerala.

(Section 2.6, Page 23)

- Of the 1,248 markets surveyed, 488 (39.10%) operate under the auction mode, 127 (10.18%) under the lease mode, and 633 (50.72%) under other modes of operation.

(Section 2.7, Page 26)

- The 1,248 markets collectively occupy 38,041.25 cents of land. Local bodies own the largest share, managing 23,297 (61.24%) cents. Private entities registered with local bodies (LSGIs) possess 4,267 (11.22%) cents, while Board/ Corporation/ Council ownership collectively holds 4,741.50 (12.46%) cents.

(Section 2.8, Page 28)

- The total number of agricultural markets in Kerala decreased slightly over the 16 years period, from 1,290 in 2005-06 to 1,248 in 2021-22, indicating a net reduction of 42 markets. However, the survey revealed that 522 markets (41.83% of those surveyed in 2021-22) were newly established during this period, pointing to significant market expansion. This also implies that 564 markets existing in 2005-06 were closed over the last 16 years.

(Section 2.9, Page 33, 34)

- Among the 1,248 markets, 543 (43.51%) are vegetable markets. Fish markets accounts for 93 (7.45%), while livestock and poultry markets constitute 24 (1.92%), and meat markets 15 (1.20%). In terms of combination markets, 174 (13.94%) handle both vegetables and fish, while 194 (15.54%) deal in vegetables, fish, and meat.

(Section 3.1, Page 37)

- Out of the 583 non-exclusive wholesale markets, 258 (44.25%) operate on a daily basis, 160 (27.44%) function twice a week and 65 (11.15%) are weekly markets.

(Section 3.2.1, Page 40)

- Of the 1,075 non-exclusive retail markets, 648 (60.28%) operate on a daily basis, 146 (13.58%) are weekly markets, 157 (14.60%) operate two or three days a week.

(Section 3.2.2, Page 41)

- Of the 583 non-exclusive wholesale markets, 197 (33.79%) operate in the morning, 21 (3.60%) open in the afternoon, and 365 (62.61%) remain open for the entire day.

(Section 3.3.1, Page 42)

- Out of the 1,075 non-exclusive retail markets, 606 (56.37%) operate throughout the day, 38.42% function only in the morning, and 5.21% operate in the afternoon.

(Section 3.3.2, Page 42)

- Of the 1,248 markets, 721 (57.77%) have received grants or financial assistance from the State Government, Central Government, or Local self-government institutions.

(Section 3.4, Page 43)

- Out of the 1,248 markets, 990 (79.33%) markets have permanent buildings, 838 (67.15%) have specified open trading spaces, 585 (46.88%) are enclosed with compound walls, and 521 (41.75%) provide price information boards.

(Section 4.1, Page 45-48)

- Of the 1,248 markets, only 39 have traders who utilize services from nearby warehouses. Among these warehouses, 30 (83.33%) are government operated.

(Section 4.4, Page 52)

- Among the 1248 markets, electricity is available in 1037 (83.09%) markets. Market Information Centres are present in only 201 (16.11%) markets. Drinking water is available in 973 (77.96%) markets, while market cleaning staff are available in 747 (59.86%) markets. Water for cleaning purpose is available in only 850 (68.10%) markets.

(Section 5.1, Page 54-62)

- Across 1,248 markets, a total of 29,991 traders operates. Of these, 22,202 traders (74.03%) are located within market premises and 7,789 traders (25.97%) operate in trade areas. Within markets, 4,317 (19.44%) are wholesalers and 17,885 (80.56%) are retailers. In the trade areas outside the primary marketplace, 1,703 (21.86%) are wholesalers and 6,086 (78.14%) are retailers.

(Section 6.1, Page 65-66)

- In the 1,248 markets, 15,833 traders have permanent shops, with 10,164 located inside the markets and 5,669 outside the market but within trade areas. Additionally, 9,814 traders have permanent places, with 8,329 inside the markets and 1,485 outside the market but within trade areas. Furthermore, 4,344 traders lack both permanent shops and places, with 3,826 operating inside the markets and 518 outside the market but within trade areas.

(Section 6.2, Page 70-72)

- Approximately 4,908 traders visit markets monthly during harvest or peak trading seasons.

(Section 6.4, Page 74)

- Of 583 non-exclusive wholesale markets, auction of agricultural commodities took place in 221 markets, accounting 37.91% of the total. Kollam leads with 51 markets (23.08%), followed by Ernakulam and Thrissur, each with 32 markets (14.48%).

(Section 7.16, Page 90)

- There are 5,774 retail shopping establishments, with supermarkets dominating the sector (5,317 or 92.09%). Malls represent only 97 (1.68%) establishments and Hypermarkets account for 360 establishments (6.23%). Ernakulam leads the state with 830 establishments (14.37%), followed by Thrissur (702, 12.16%), Kozhikode (700, 12.12%), and Thiruvananthapuram (684, 11.85%). In contrast, rural districts such as Wayanad (45, 0.78%) and Idukki (91, 1.58%) have significantly fewer retail establishments.

(Section 8.1, 8.2 Page 94-95)

- Of the 5,774 shopping establishments, 53.12% (3,067) are individually owned, 27.97% (1,615) are partnerships, 7.05% (407) are government-owned, 5.68% (328) are cooperatives, 5.54% (320) are company-owned, and 0.64% (37) fall under other ownership models.

(Section 8.3, Page 96)

- Of the total 5,774 shopping establishments, only 337 (5.84%) support online shopping, indicating that a relatively small portion of the state's retail sector has adopted e-commerce.

(Section 8.4, Page 97)

- Among the 5,774 shopping establishments, 65.85% are in Grama Panchayaths, 19.59% in Municipalities, and 14.57% in Municipal Corporations.

(Section 8.5, Page 98)

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Chapter 1

Introduction

1.1 Introduction

Markets have historically served as both economic and cultural hubs, deeply intertwined with the history and traditions of their regions. In Kerala, markets played a crucial role in regulating village life, facilitating trade among farmers, artisans, and small entrepreneurs. These markets were essential gathering points, not only for economic transactions but also for social interactions and cultural events. In earlier times, local markets thrived in the absence of middlemen, allowing producers and consumers to engage in direct trade. However, with advancements in mechanization and modern production techniques, goods began to be produced on a larger scale, making it difficult for small-scale producers to compete. Additionally, improved transportation networks expanded trade opportunities, leading to the decline of traditional rural markets as goods could now be delivered directly to consumers.

To address these changes, local self-government institutions (LSGIs) have been empowered through decentralization, allowing grama panchayaths to focus on revitalizing rural markets. Despite these efforts, new-generation shopping formats such as malls, supermarkets, and hypermarkets have emerged, further shifting consumer behavior and trade patterns. As a result, intermediaries have become more prominent, distancing farmers from end consumers and transforming agricultural marketing into a business-driven industry. Given these rapid transformations, there is a growing need to analyze the changing structure of markets and understand their impact on agriculture based on trade. In this context, the Department of Economics and Statistics, Govt. of Kerala has undertaken a comprehensive Survey on Markets in Kerala during the financial year 2021-22.

This chapter provides a historical overview of Kerala's agricultural markets, tracing their evolution from early trade networks to the present-day market landscape. This background helps contextualize the need for a reassessment of market structures and operations. Furthermore, the chapter explores the technical aspects of the survey, including its methodology, key concepts, definitions, survey questionnaire, and field operations.

1.2 History of Agricultural Markets in Kerala

1.2.1 Introduction

Markets have played a significant role in shaping human civilization. In the modern world, markets have expanded beyond geographical boundaries, influencing economies, politics, and even cultural identities. The transformation of markets over time reflects broader socio-economic changes. The history of agricultural markets in Kerala, deeply rooted in the region's agrarian traditions, highlights the evolution of trade and commerce in the State.

1.2.2 Early Markets and Exchange Systems

In the early days, markets primarily functioned as centers for the exchange of locally produced goods. The barter system was the primary mode of trade, where people exchanged agricultural produce and essential commodities. Over time, the introduction of coinage allowed for more structured and organized trade, leading to the gradual expansion of markets. Initially focused on agricultural produce and essentials, these markets later expanded to include clothing, weaponry, and household items.

1.2.3 Sangam Period and Early Trade Networks

The Sangam period marked a significant phase in the growth of trade networks. Historical texts document extensive trade routes connecting Kerala to other parts of India and foreign lands. The presence of organized labour divisions, agricultural tools, and handicrafts in Sangam literature suggests a structured market system.

1.2.4 Growth of Agricultural Markets in Medieval Kerala

During the medieval period, market structures became more complex, and traders played an increasing role in agricultural commerce. The growth of plantation crops such as coconut, pepper, and arecanut led to increased market transactions. The emergence of artisan communities (e.g., Chaliyars for weaving, Kammalars for metalwork) strengthened localized market hubs. Markets in South Kerala were commonly referred to as 'Shops', while in North Kerala, they were known as 'Angadi'. Trade was closely linked to temple-owned lands and feudal estates, which collected produce as rent. Over time, cash payments replaced this system, further commercializing market activities.

1.2.5 Influence of Foreign Trade and Urban Market Centers

Kerala has long been an active player in international trade, with major port towns such as Muziris, Kollam, and Kozhikode serving as centers for spice export. Foreign traders, including the Arabs, Chinese, and Europeans, engaged in large-scale commerce involving pepper, cardamom, cinnamon, textiles, and metals. These early connections established Kerala as a global trading hub.

1.2.6 Transformation During the Colonial and Post-Independence Period

With the arrival of European colonial powers, Kerala's traditional market structure underwent significant disruptions. The Portuguese, Dutch, and British introduced new commercial policies that re-shaped local trade. The spice trade monopoly controlled by these powers weakened indigenous merchant communities.

After independence, market regulation shifted to Government and local bodies. While trade restrictions initially limited market activities, the economic liberalization policies of 1990s paved way to Kerala's markets to global trade influences. This led to the decline of traditional trade communities and the proliferation of modern retail chains, fundamentally altering the commercial landscape.

1.3 Rationale for the Survey

As the nodal agency for statistical data collection in the State, Department of Economics and Statistics (DES) plays a crucial role in monitoring agricultural markets through its Market Intelligence (MI) Division. This division systematically collects, analyzes, and disseminates price and stock related data for agricultural commodities across various market intelligence centers. The MI Division gathers daily wholesale price data and compiles weekly reports on market arrivals, goods movement, and stock levels. These insights, collected from MI centers across the State, are disseminated through daily bulletins broadcast by All India Radio (AIR) stations in Thiruvananthapuram, Devikulam, Kochi, Thrissur, Kozhikode, and Kannur.

However, evolving trade networks have significantly impacted the efficiency of existing price collection centers, necessitating a revision of data collection methods and an update of MI centers to ensure continued accuracy and relevance. Over time, substantial changes have takenplace in both the crops cultivated by farmers and the markets where these products were traded. Consequently, the MI Division's price collection system must adapt to these contemporary changes to provide farmers with accurate and relevant market information. Such improvements will enable farmers to identify more profitable markets and to assess price stability more effectively so as to free from intermediary exploitation.

Also, focusing exclusively on public markets is insufficient, as a considerable share of wholesale trade takes place outside specified market areas. Many wholesale traders operate informally, engaging directly or indirectly, with farmers often having prices higher than those observed in public markets. A significant number of farmers rely on these informal trade networks to sell their produce, underscoring the need for a comprehensive market intelligence system that captures the full spectrum of agricultural trade in Kerala.

Moreover, the growing presence of modern retail sectors, such as malls, supermarkets, and hypermarkets, has transformed consumer behavior, reducing the dominance of traditional public markets. Given the critical role of agricultural trade in Kerala's economy, it is essential to examine these evolving market structures. The findings from this survey will provide valuable insights to form policy decisions, improve market regulation, and to support better price realization for farmers.

1.4 Background of the Survey

The Department of Economics and Statistics (DES) conducted a comprehensive survey on markets in Kerala during 2005-06 to assess the State's agricultural marketing systems. However, over the past one and a half decades, significant transformations have been taking place in the market structure, necessitating an update of the existing data to reflect the current scenario. An updated market survey is essential to provide accurate and relevant data to local self-government institutions and other Government agencies for effective planning and policy formulation based on market demand. This survey will also facilitate the development of efficient agricultural marketing techniques that benefit both traders and farmers while supporting Government interventions to promote fair competition and sustainable trade practices. Furthermore, a comprehensive database of newly emerging shopping establishments, such as malls, supermarkets, and hypermarkets, is currently unavailable in the Government domain. Additionally, standalone wholesale trading units, which play a dominant role in marketing, need to be documented systematically. Given these developments, the present survey aims to bridge the existing data gaps and offer a holistic understanding of Kerala's evolving market landscape.

1.5 Objectives

The primary objectives of the survey are as follows:

1. To compile a comprehensive directory of public agricultural markets engaged in the wholesale and retail trade of agricultural products, including both produced within the State and imported from other States.
2. To evaluate the availability and condition of infrastructure facilities.
3. To assess the availability of various service amenities.
4. To examine hygiene and sanitation management practices.
5. To gather information on wholesalers operating within the markets and their surrounding trade areas.
6. To identify wholesalers, centres that conduct wholesale transactions outside the trade area of public markets but engaging directly with farmers and other wholesalers.
7. To collect data on warehouses used by traders in the market for the storage of agricultural commodities.
8. To analyze the marketing patterns of agricultural products to strengthen the Market Intelligence (MI) division of the department.
9. To compile a directory of newly established shopping establishments such as malls, supermarkets, and hypermarkets.

Other objectives include documenting the days of operation for each market, their operating hours, the types of agricultural products being marketed, and sources- whether the marketed products are locally produced, sourced from neighbouring districts, imported from other states or foreign countries.

1.6 Agricultural Marketing

Agricultural marketing encompasses all activities that facilitate the movement of farm products from producers to consumers. It includes the procurement of farm inputs, the distribution of agricultural produce, and the organization of supply chains for processing industries. Efficient agricultural marketing is essential for both farmers and consumers. For farmers, it determines what to produce, when and where to sell, and whether market prices are viable for sustained production. For consumers, it ensures the availability of goods at fair prices.

According to the National Commission on Agriculture under the Ministry of Agriculture (XII Report, 1976), agricultural marketing is a process which starts with a decision to produce a saleable farm commodity, and it involves all the aspects of market structure or system, both functional and institutional, based on technical and economic considerations, and includes pre- and post-harvest operations, assembling, grading, storage, transportation and distribution. The agricultural marketing system in developing countries including India can be understood to composed of two major sub-systems viz., product marketing and input (factor) marketing. The actors in the product marketing sub-system include farmers, village/primary traders, wholesalers, processors, importers, exporters, marketing cooperatives, regulated market committees and retailers. The input sub-system includes input manufacturers, distributors, related associations, importers, exporters, etc.

1.7 Evolution of the Marketing System

Agricultural marketing has undergone significant changes over the past five decades due to market expansion, improved infrastructure, and shifts in consumer demand. Traditional marketing systems have evolved with advancements in storage, processing, packaging, and transportation. The marketing approach varies depending on the shelf-life of agricultural products. Durable crops require different handling compared to perishable commodities like fruits, vegetables, and milk. Increased marketable surplus has made it necessary to store and transport produce efficiently to ensure year-round availability.

A well-organized marketing system benefits all stakeholders-farmers get fair prices, consumers receive quality products at reasonable rates, and intermediaries play a crucial role in maintaining the supply chain. Effective market intelligence, timely price information, and improved market access contribute to a more efficient agricultural marketing system, ultimately supporting economic growth.

1.8 Agricultural Prices

Agricultural prices serve as key economic indicators that influence production decisions, farmers' incomes, and overall economic planning. Price regulation by the Government ensures that essential food commodities are produced in sufficient quantities while also providing farmers with reasonable earnings for a decent livelihood and future investment. At the same time, prices must remain affordable for consumers, especially those below the poverty line.

Once farm produce leaves the farm-gate, it follows various marketing channels through intermediaries. It may be sold directly to consumers, retailers, exporters, or processing industries, or through intermediaries such as wholesalers or marketing boards. Similarly, farmers purchase agricultural input from retailers, wholesalers, manufacturers, or importers. Agricultural prices are categorized as farm-gate prices, wholesale prices, retail prices, export prices, or import prices, depending on the marketing stage. In most cases, farm-gate prices serve as the standard measure for agricultural price statistics.

1.9 Methodology

The survey employed a Census method and was conducted in a two-phase process. In Phase I, field level officers from the Department visited each Grama Panchayath, Municipality, and Municipal Corporation to compile a comprehensive list of registered markets and gather information on unregistered markets through local inquiries. Based on the defined market criteria, all relevant markets were identified, and data collection was carried out using a standardized schedule during visits to each market in Phase II. Also, information were collected from warehouses usually accessed (associated with markets concerned) by traders for various storage services in the markets. This data, reported by traders seeking storage services for their products, included details on the available facilities in such warehouses and was recorded in a separate schedule.

In addition, the survey collected basic information on new generation marketing establishments, such as malls, supermarkets, and hypermarkets operating across various districts in the State. This data provides insight into the presence and role of these establishments in Kerala's retail sector and serves as a frame for future studies. Given the constraints of time and resources, the scope of data collection was limited to obtaining essential information.

1.10 Reference Period

The reference period for the survey is the financial year 2021-22 (1st April 2021 to 31st March 2022). Market arrival of agricultural commodities in wholesale markets has been collected throughout March 2022.

1.11 Geographical Coverage

The survey follows a census approach, with field-level enumeration conducted based on the administrative boundaries of local self-government institutions, including Grama Panchayaths, Municipalities, and Municipal Corporations. Consequently, the survey encompasses the entire inhabited geographical area.

1.12 Survey Period

Data collection for the survey at the field level commenced on 1st February 2022 and concluded on 31st March 2022.

1.13 Challenges and Limitations

The COVID-19 pandemic and the associated lockdown measures significantly disrupted market operations and trading activities. During the initial wave of the pandemic, which lasted from the last week of March 2020 to May 2020, a complete lockdown was imposed, followed by localized restrictions that severely impacted market accessibility. Although market activities gradually resumed in the subsequent months, the second wave of COVID-19 led to another period of stringent restrictions, similar to a complete lockdown, from the second week of May 2021 to mid-June 2021, followed by further localized constraints.

These disruptions had profound consequences for traders and farmers. Many traders lost their livelihoods, while farmers faced significant challenges in accessing markets. Following the lifting of restrictions, although markets officially reopened, many retail traders had already relocated to roadside areas and other open spaces with higher pedestrian traffic. Consequently, public markets did not fully regain their pre-pandemic functionality. Furthermore, ongoing construction activities in several markets have further constrained the movement of traders, consumers, and farmers, reducing their reliance on formal market spaces. However, permanent traders have largely continued their operations in a manner similar to the pre-pandemic period.

The adverse impact of COVID-19 regulations on the overall trading environment has resulted in financial losses and widespread dissatisfaction among traders. This discontent also influenced the quality of information provided by traders during the survey. Despite these challenges, field enumerators made diligent efforts to ensure the accuracy and reliability of the data collected. By the final quarter of 2021, market activities had largely returned to pre-pandemic levels, although structural changes in trader distribution and market dynamics persisted.

1.14 Definitions:

1.14.1 Public Market (Market)

A market refers to a place where people gather to buy and sell agricultural products. These products are either locally produced or brought from other areas for sale using money as a medium of exchange. The land used for these markets can be owned by the government, local bodies, recognized agencies, private individuals, or other entities. Markets are generally large centers where farmers or middlemen or any person can sell their produce freely and receive fair prices without exploitation.

The survey also covers major markets managed by government recognized agencies such as the Vegetable and Fruit Promotion Council of Kerala (VFPCK), Kudumbashree, and others including Horticorp, Kerafed, etc, which buy produce in bulk from farmers. However, the survey does not include their retail outlets. It also excludes street vendors, temporary or permanent business establishments outside public markets, large chain stores like supermarkets and hypermarkets, shopping malls, and harbours. **Online agricultural markets run by farmers or farmers' associations, and other firms in Kerala that sell their produce are not coming under the purview of the survey.**

1.14.2 Wholesale Market

A wholesale market is a marketplace where goods, particularly agricultural produce, food items, and other bulk commodities, are sold in large quantities to retailers, businesses, or institutional buyers rather than directly to consumers. These markets function as an intermediary between producers- such as farmers or manufacturers- and retailers or processors. The wholesale market typically consists of a central trading area along with one or more surrounding commercial areas. It also includes adjacent spaces where farmers or village traders sell their produce. Wholesale markets can be broadly classified into three categories:

1.14.2.1 Primary Wholesale Market

A market is classified as a primary wholesale market when most of the agricultural produce sold originates from nearby farming areas. This market serves as the initial point of sale, where farmers or producers sell their goods directly to wholesalers. It is important to note that a wholesale market may function as a primary wholesale market only for specific commodities. While a wide variety of agricultural products may be traded in the market, only certain commodities may be sourced directly from farmers at the farm gate or farmers bringing their produce to the market for sale. Consequently, the market is considered a primary wholesale market for those specific commodities but not for others.

1.14.2.2 Secondary Wholesale Market

A secondary wholesale market primarily receives agricultural products from other wholesale markets rather than directly from farmers. Within this market, wholesalers engage in trading among themselves before the goods reach retailers or large-scale buyers.

1.14.2.3 Terminal Wholesale Market

A terminal wholesale market represents the final stage in the wholesale trade marketing network. At this level, agricultural products are sold to retailers for local distribution or transported out of the State for export. No further resale of commodities occurs within the wholesale system beyond this stage.

1.14.3 Trade Area of Wholesale Markets and Other Wholesale Centres

The trade area of a wholesale market refers to the geographical region that includes the primary marketplace and its associated traders. While the market's physical boundaries may remain unchanged in terms of ownership, adjacent public and private spaces often evolve into extensions of the original market, accommodating businesses dealing in similar commodities. As a result, the market's trade volume and economic influence extend beyond its initial premises through the establishment of additional trading units.

A wholesale market typically originates within a defined extent of land under a single ownership structure. As trade activities expand, ancillary businesses and traders cluster around the market, forming an extended trading zone. This broader operational area, identified with the original market, constitutes its trade area. Wholesale markets play a pivotal role in regulating trade flows, shaping price mechanisms, and ensuring the efficient distribution of goods. For the purposes of this survey, market selection is restricted to officially recognized public agricultural markets within the specified region.

For certain agricultural commodities, such as coconut, paddy, and spices, trade often extends beyond the primary public market to specialized wholesale centers. These centers emerge due to factors such as the substantial space requirements for handling specific commodities or the inadequate infrastructure within public markets. In such cases, a significant number of farmers sell their produce at these alternative centers, where traders directly influence farmgate prices. Accordingly, these wholesale centers should be considered as integral components of the broader trade area of the public market.

For the survey, the trade boundary of a wholesale market is defined as the geographical area encompassing the market itself, its extended trade zone, and major wholesale centers situated beyond its immediate premises. Ideally, the trade boundaries of different wholesale markets should not overlap to ensure the independent functioning of each market. This delineation is essential for accurate data collection, facilitating a clear assessment of market operations while preventing duplication or overlapping in trade area definitions.

1.14.4 Retail Market

A retail market is a marketplace where agricultural products and other goods are sold directly to consumers in small quantities for personal use, rather than for resale. It represents the final stage of the supply chain, enabling direct interaction between producers, traders, and consumers. Unlike wholesale markets, retail markets do not operate based on a defined trade area. Instead, they function within a specified extent of land under a single ownership structure, serving as the primary marketplace for consumer transactions.

1.14.5 Market Arrival

The average monthly arrival of agricultural produce is estimated based on the nature of its production and supply. For locally grown crops with distinct harvesting seasons, the total market arrival is evenly distributed across the harvesting months. In contrast, commodities sourced from outside the local region, particularly from other States, generally exhibit a stable supply throughout the year. In such cases, the average monthly arrival is calculated. For seasonal crops, the total arrival is distributed over the specific harvesting months. **Annexure II** provides details of seasonal crop harvest periods. **(Page 215)**

For the survey, market arrivals were classified into four categories for analysis: (1) Locally produced, (2) Arrivals from neighbouring districts, (3) Arrivals from neighbouring States, and (4) Foreign imports or imports. The primary objective of this survey was to refine the price collection mechanism of the Market Intelligence Division of the Department and improve agricultural trade management, thereby benefiting farmers and other stakeholders. Particular emphasis was placed on the transaction between farmers (farmgate) and the first wholesaler, as this price represents the initial value received by farmers and is essential for evaluating their economic returns.

To assess arrival patterns over the reference period, including seasonal variations, data on arrivals in the preceding eleven months were collected from traders on a recall basis. This information was then utilized to estimate the monthly average market arrivals of different commodities.

1.14.5.1 Arrivals from Locally Produced

This category includes agricultural commodities procured directly from farmers or their agents by traders within the surveyed markets. In these cases, the initial transaction occurs at the market rather than at the farmgate, leading to additional marketing charges that influence the farmgate price. The prices recorded in these transactions give insights into the earnings of local farmers within the State.

1.14.5.2 Arrivals from Neighbouring Districts

This category comprises agricultural commodities transported from other districts to the surveyed markets. These commodities have undergone an initial transaction in their district of origin, where primary wholesalers procure them from farmers. Upon reaching the surveyed market, a secondary wholesaler facilitates the next stage of distribution.

While traders in the surveyed markets may not always have precise knowledge of the product's exact origin, it is generally said that a substantial portion originates from the neighbouring district. It is worth noting that price variations exist across different transaction stages-from farmers to primary wholesalers and subsequently to secondary wholesalers. These variations are important for assessing the impact of inter-district commodity movement on market prices. To analyze price fluctuations for the same product, it is necessary to consider arrivals from other districts in addition to locally produced goods. Therefore, markets where arrivals from other districts occur need to be identified.

1.14.5.3 Arrivals from Neighbouring States

This category includes commodities sourced from other States. Their prices are influenced by the number of intermediary transactions between farmers and wholesalers. Unlike locally produced or inter-district arrivals, the quality and pricing of interstate commodities do not directly correspond with local production. However, their influx can stabilize or disrupt local market prices, potentially necessitating Government intervention to regulate pricing and ensure food security.

1.14.5.4 Foreign Imports or Imports

Foreign imports consist of agricultural commodities sourced from international markets. Their presence in public wholesale markets is relatively limited, as they are primarily distributed through modern retail outlets such as supermarkets, hypermarkets, and malls. While these imports increase consumer choices, they also impact domestic agricultural markets by influencing price structures and demand patterns. Understanding these dynamics is essential for formulating policies that promote market competitiveness while safeguarding farmer livelihoods and food security.

1.14.6 Wholesaler

A wholesaler is an individual or entity that purchases agricultural products in large quantities from producers, village level traders, or other wholesalers for resale in the wholesale market. The wholesalers further classified into Primary Wholesaler, Primary Agricultural Wholesaler, Secondary Wholesaler, Tertiary Wholesaler which are explained below.

1.14.6.1 Primary Wholesaler

A primary wholesaler is an entity or individual who procures agricultural commodities directly from producers, farmers, or their agents. Operating at the initial stage of the supply chain, primary wholesalers facilitate the first point of sale, ensuring the distribution of agricultural products to subsequent markets.

1.14.6.2 Primary Agricultural Wholesaler

A Primary Agricultural Wholesaler is a trader who is also actively engaged in farming. To be classified under this category, the individual must either be a farmer or a representative of farmers cultivating crops specifically for sale to multiple wholesalers on specified market days. The classification also considers the duration of the trader's engagement in this role. However, such cases are relatively uncommon in agricultural markets. If these criteria are not met, the individual is classified as a Primary Wholesaler rather than a Primary Agricultural Wholesaler.

1.14.6.3 Secondary Wholesaler

Secondary wholesaler is a trader engaged in wholesale trade, excluding those classified as primary or tertiary wholesalers. They primarily function as intermediaries, facilitating transactions between other wholesalers within the supply chain.

1.14.6.4 Tertiary Wholesaler

A tertiary wholesaler operates at the final stage of the wholesale distribution process, supplying products directly to retailers or exporters. They serve as the last link in the wholesale trade before products reach end consumers or export markets.

1.14.7 Retailer

A retailer is an individual or entity that sells agricultural products directly to final consumers. This represents the last stage of the marketing chain, where the product reaches its end users.

1.14.8 Both Wholesaler and Retailer

A wholesaler-retailer is an individual or entity that simultaneously operates as both a wholesaler and a retailer. This means they engage in bulk purchasing and distribution to other businesses while also selling directly to end consumers.

1.14.9 Zero Energy Cool Chamber

The Zero Energy Cool Chamber is a simple and cost-effective storage system made using locally available materials such as bricks, sand, bamboo, straw, etc. This chamber helps maintain a temperature below 15°C, providing a suitable environment for storing perishable goods.

1.14.10 Solar Energy Cool Chamber

The Solar Energy Cool Chamber is another affordable storage system that uses solar energy for cooling. This method enables the chamber to maintain a temperature of up to 12°C, ensuring the freshness of vegetables and fruits.

1.14.11 Warehouses

Warehouses are essential storage facilities utilized by traders in the surveyed markets to ensure the safe preservation of products, minimizing damage and waste. Historically, these facilities were referred to as granaries.

1.14.11.1 General Warehouses

General warehouses are designed to store a variety of products, including food items, cotton, cotton cloth, wool, pesticides, and other goods. These facilities are not tailored to accommodate any specific type of product and serve as multipurpose storage spaces.

1.14.11.2 Specialized Commodity Warehouses

Specialized commodity warehouses are constructed for the storage of specific goods, such as cotton, cotton cloth, wool, and oil products. These warehouses are designed and operated in compliance with the prescribed safety standards necessary for handling and storing these particular commodities.

1.14.11.3 Refrigerated Warehouses

Refrigerated warehouses are equipped with temperature-controlled systems to preserve perishable products such as vegetables, fruits, fish, eggs, milk, and meat. The internal temperature of these facilities can be adjusted to meet the storage requirements of different products, ensuring their quality and freshness over time.

1.14.12 Shopping Establishments

New-generation shopping establishments such as malls, supermarkets, and hypermarkets provide a fresh shopping experience. These large entities offer a diverse range of household and agricultural perishable products. A brief definition of these types of establishments is provided below:

1.14.12.1 Malls

Malls are large, multi-storied buildings housing a variety of independent retail shops. They typically prioritize branded outlets and require significant investment for shop allocation. Malls are characterized by organized spaces, including aisles and walkways, designed to provide easy access to multiple stores. Unlike traditional shopping complexes, malls offer a curated shopping experience with a focus on premium brands. They also feature controlled access with limited entry and exit points, enhancing security and customer flow management.

1.14.12.2 Shopping Complexes

Traditional shopping complexes, which consist of clustered shops without strict criteria for allocation. They are usually housed within a single multi-storied building. Unlike malls, shopping complexes have multiple entry and exit points, allowing for a more open and less structured shopping environment.

1.14.12.3 Supermarkets

Supermarkets are self-service retail outlets offering a wide range of products, including food, household items, and processed goods. Most items sold in supermarkets are packaged, and many include multinational products alongside local offerings. Supermarkets represent a modernized version of traditional grocery stores, emphasizing convenience and variety.

1.14.12.4 Hypermarkets

Hypermarkets are large-scale retail establishments that offer an even broader range of products compared to Supermarkets. These stores provide both household and international branded items, often in bulk quantities. Hypermarkets are known for their competitive pricing, particularly for bulk purchases, making them an economical choice for customers. They provide a one-stop shopping experience with world-class brands and diverse product categories.

1.15 Questionnaire

For the survey, three distinct schedules- Schedule A, Schedule B, and Schedule C- have been designed to facilitate comprehensive data collection. The questionnaire is provided in **Appendix III (Page 216-232)**

1.15.1 Schedule A

Schedule A captures the details of the market's trade area, including key information about markets and trade centers that influence and regulate marketing activities in the region. Additionally, it covers traders engaged in large-scale transactions of specific commodities beyond the immediate trade area.

1.15.2 Schedule B

Schedule B records details of warehouses used by traders in the surveyed markets for storing agricultural products. Since a warehouse reported by traders in one market may also be utilized by traders in other markets, there is a chance for data duplication. To avoid this, the survey consolidated warehouse data at the district level, identifying unique warehouses before data collection. Consequently, information was gathered only from the identified warehouses, as reported by traders.

1.15.3 Schedule C

Schedule C compiles basic details of malls, supermarkets, and hypermarkets operating across various districts of Kerala.

1.16 Field Level Operations

1.16.1 Data Collection

Data collection for the survey was carried out by investigators employed under the scheme Establishment of an Agency for Reporting Agricultural Statistics (EARAS) stationed at the district and taluk offices of the department. They were collecting data continuously alongside their regular duties.

1.16.2 Supervision

To ensure data quality and compliance with norms, Taluk Statistical Officers supervised field-level inspections and scrutinized schedules at the Taluk level, while Research Officers and Additional District Officers carried out these tasks at the district level to ensure data quality and efficient data collection mechanisms with norms.

1.16.3 Monitoring & Coordination

The Deputy Directors of the districts were solely responsible for overseeing the survey, which encompassed supervising and organizing field operations within their respective districts.

1.16.4 Software

The Computer division within the Department has developed an online application aimed at facilitating the creation of an electronic database essential for the efficient and expeditious codification, analysis, and interpretation of the data gathered through the survey.

1.16.5 Data Entry

The statistical investigators who collected data from the field had done the data entry in the online application.

1.16.6 Data Validation, Table Generation, and Report Preparation

Activities related to data validation, table generation, and report preparation were done at the Directorate level.

1.17 Contents and Organization

This report consists of ten chapters. Chapter 1 provides an introduction, while Chapter 2 discusses general information. Chapter 3 focuses on operational characteristics, and Chapter 4 examines infrastructure facilities. Chapter 5 covers service amenities, followed by Chapter 6, which analyzes traders. Chapter 7 explores market arrivals, and Chapter 8 explains malls, supermarkets and hypermarkets. Chapter 9 addresses the Covid-19 impact, and Chapter 10 presents the conclusion. Also, various types of information related to agricultural marketing are appended at the end of the report.

Chapter 2

General Information

This Chapter provides a comprehensive overview of agricultural markets in Kerala, categorizing them based on their primary functions as wholesale, retail, or both, according to nature and volume of transactions. It examines the structure of wholesale markets by analyzing the stages of transactions- from the farmer to wholesaler, wholesaler to wholesaler, and finally to the terminal wholesaler, who may either be a retailer, exporter or the end consumer. Additionally, the chapter explores the basic details of markets such as the year of establishment, ownership status, land possessed and operational methods. The findings are presented in the following sections.

2.1 Overview of Markets

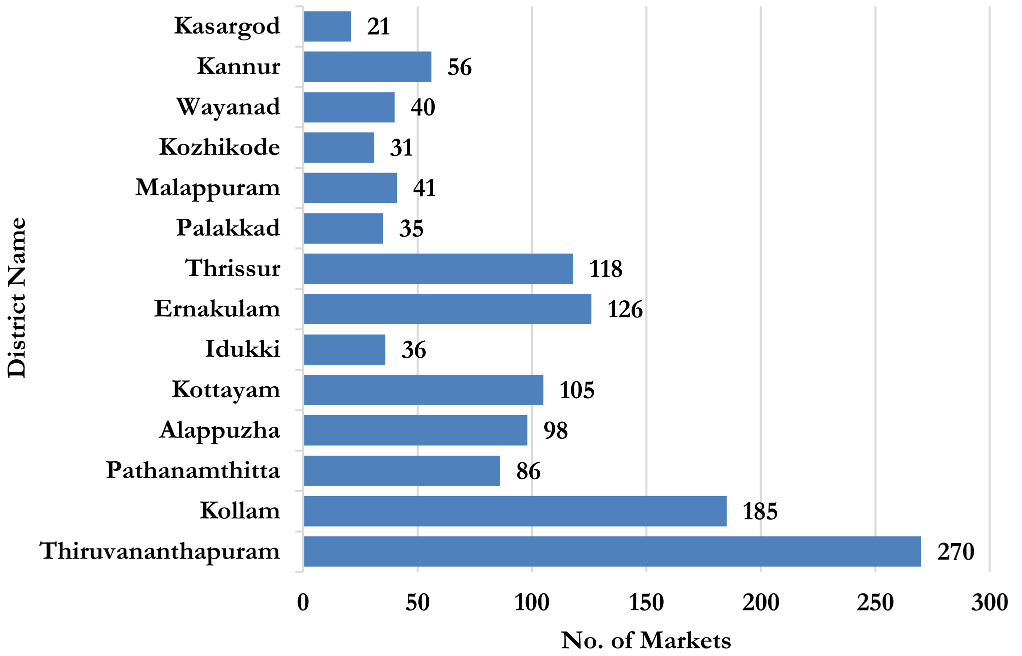
The survey findings reveal that a total of 1,248 agricultural markets is operational across Kerala. Approximately two-thirds of these markets are concentrated in just five districts: Thiruvananthapuram, Kollam, Ernakulam, Thrissur, and Kottayam. District level analysis shows that Thiruvananthapuram has the highest number of markets, with 270 (21.63%), followed by Kollam with 185 (14.82%). In contrast, Kasaragod has the least number of markets, with just 21 (1.68%).

Despite being the most populous district, Malappuram has only 41 markets, whereas Wayanad, the least populous district, has a comparable 40 markets. This shows that the distribution of markets in Kerala is influenced by factors beyond population size, such as agrarian economic conditions, subsistence farming practices, living standards, and the evolving retail and wholesale systems. Furthermore, districts such as Idukki, Palakkad, and Kasaragod have a relatively lower number of public agricultural markets. The district-wise distribution of markets is presented in **Table No. 2.1** and **Chart No. 2.1** below.

Table No. 2.1: District wise distribution of markets operational across Kerala

Serial No.	District Name	No. of Markets	Share of Markets (%)
(a)	(b)	(c)	(d)
1	**Thiruvananthapuram**	270	21.63
2	**Kollam**	185	14.82
3	**Pathanamthitta**	86	6.89
4	**Alappuzha**	98	7.85
5	**Kottayam**	105	8.41
6	**Idukki**	36	2.88
7	**Ernakulam**	126	10.10
8	**Thrissur**	118	9.46
9	**Palakkad**	35	2.80
10	**Malappuram**	41	3.29
11	**Kozhikode**	31	2.48
12	**Wayanad**	40	3.21
13	**Kannur**	56	4.49
14	**Kasargod**	21	1.68
Total		**1248**	**100.00**

Chart No. 2.1: District wise distribution of markets operational across Kerala



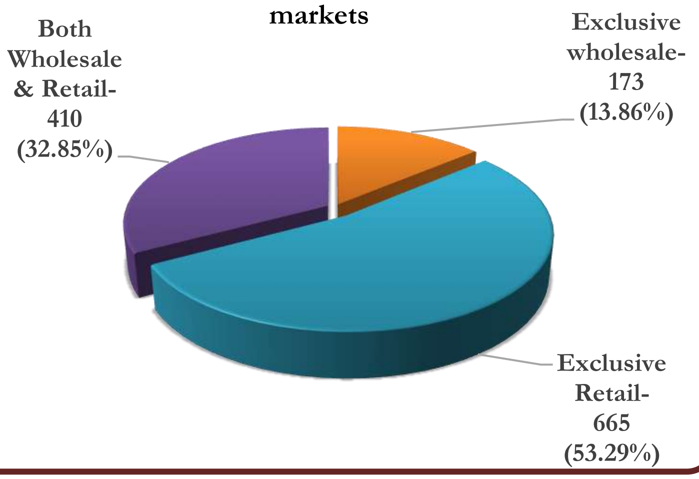
2.2 Categorization by Nature of Transaction

The markets surveyed have been classified based on the nature of transaction into three distinct categories under the **exclusive category**: exclusive wholesale, exclusive retail, and both wholesale and retail. Additionally, the same markets, under the **non-exclusive category**, are classified as non-exclusive wholesale and non-exclusive retail. These are presented below.

2.2.1 Exclusive Category

Of the 1,248 markets surveyed, 173 (13.86%) were identified as exclusive wholesale markets and 665 (53.29%) markets as exclusive retail markets. Additionally, 410 (32.85%) markets operate in both wholesale and retail capacities. The details are illustrated in **Chart No. 2.2**.

Chart No. 2.2: Share of exclusive category markets



The following sub-sections provide a more detailed analysis of each market category.

2.2.1.1 Exclusive Wholesale

Out of 173 exclusive wholesale markets in the state, Kollam accounts for the largest share, with 40 (23.12%) of the state total. Palakkad follows with 19 (10.98%) markets, while Pathanamthitta, Alappuzha, and Idukki each contribute 17 (9.83%) to the state's total. Kozhikode, Kannur, and Wayanad have minimal representation in this category, accounting for only 1.16%, 0.58%, and 2.31% of the state total respectively. These details are shown in **Table No. 2.2** and further illustrated in **Chart No. 2.3**.

2.2.1.2 Exclusive Retail

Among the 665 exclusive retail markets, Thiruvananthapuram has the highest number, with 187 (28.12%) markets, followed by Kollam with 120 (18.05%) markets of the state total. Kottayam also shows a significant retail presence with 78 (11.73%) markets in this category. On the other hand, Idukki, Wayanad, Kasargod have the lowest numbers, contributing 0.90%, 0.60%, 0.60% respectively. The details are given in **Table No. 2.2** and illustrated in **Chart No. 2.3**.

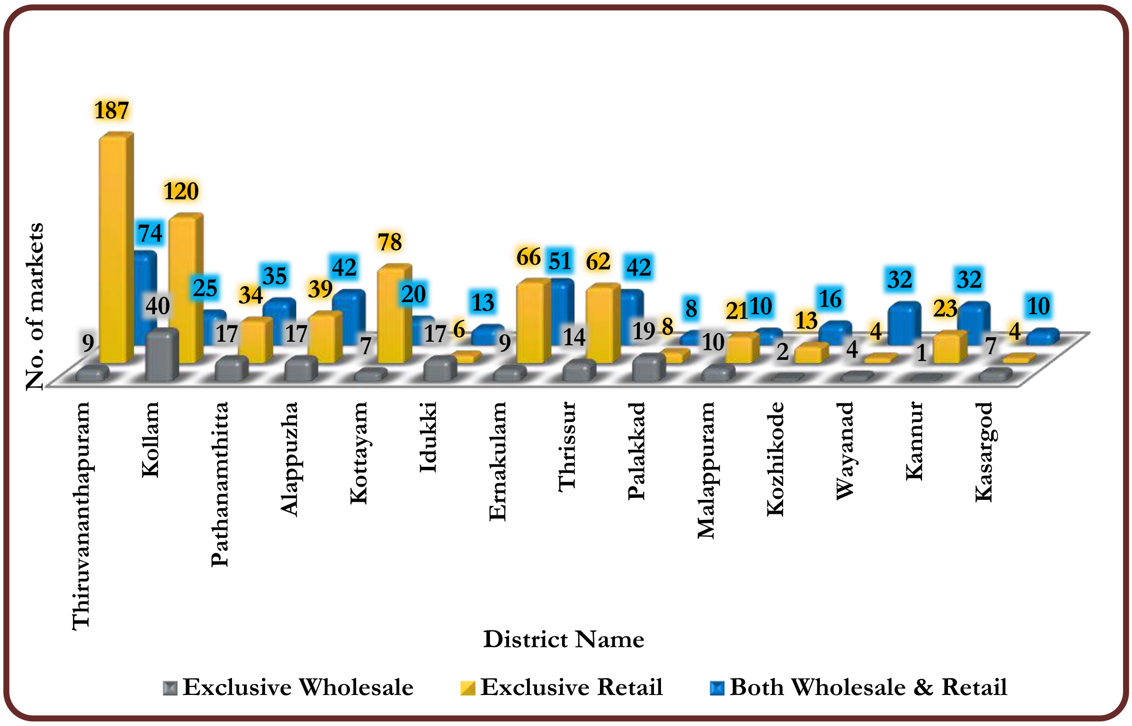
2.2.1.3 Both Wholesale and Retail

Of the 410 both wholesale and retail markets, Thiruvananthapuram leads with 74 (18.05%) markets of the state total. Ernakulam, Alappuzha, and Thrissur contribute substantially 12.44% 10.24%, and 10.24% of the state's total, respectively. In contrast, districts like Palakkad, Malappuram, and Kasargod have lower shares of 1.95%, 2.44% and 2.44% of the state total, respectively. These details are presented in **Table No. 2.2** and illustrated in **Chart No. 2.3**.

Table No. 2.2: District wise distribution of exclusive category markets

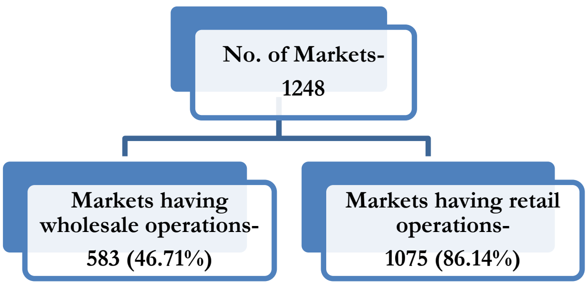
Serial No.	District Name	No. of Markets	Category of market								
			Exclusive Wholesale	Percentage share over		Exclusive Retail	Percentage share over		Both Wholesale & Retail	Percentage share over	
				District total	State total		District total	State total		District total	State total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
1	**Thiruvananthapuram**	270	9	3.33	5.20	187	69.26	28.12	74	27.41	18.05
2	**Kollam**	185	40	21.62	23.12	120	64.86	18.05	25	13.51	6.10
3	**Pathanamthitta**	86	17	19.77	9.83	34	39.53	5.11	35	40.70	8.54
4	**Alappuzha**	98	17	17.35	9.83	39	39.80	5.86	42	42.86	10.24
5	**Kottayam**	105	7	6.67	4.05	78	74.29	11.73	20	19.05	4.88
6	**Idukki**	36	17	47.22	9.83	6	16.67	0.90	13	36.11	3.17
7	**Ernakulam**	126	9	7.14	5.20	66	52.38	9.92	51	40.48	12.44
8	**Thrissur**	118	14	11.86	8.09	62	52.54	9.32	42	35.59	10.24
9	**Palakkad**	35	19	54.29	10.98	8	22.86	1.20	8	22.86	1.95
10	**Malappuram**	41	10	24.39	5.78	21	51.22	3.16	10	24.39	2.44
11	**Kozhikode**	31	2	6.45	1.16	13	41.94	1.95	16	51.61	3.90
12	**Wayanad**	40	4	10.00	2.31	4	10.00	0.60	32	80.00	7.80
13	**Kannur**	56	1	1.79	0.58	23	41.07	3.46	32	57.14	7.80
14	**Kasargod**	21	7	33.33	4.05	4	19.05	0.60	10	47.62	2.44
Total		**1248**	**173**	**13.86**	**100.00**	**665**	**53.29**	**100.00**	**410**	**32.85**	**100.00**

Chart No. 2.3: District wise distribution of exclusive category markets



2.2.2 Non-exclusive Category

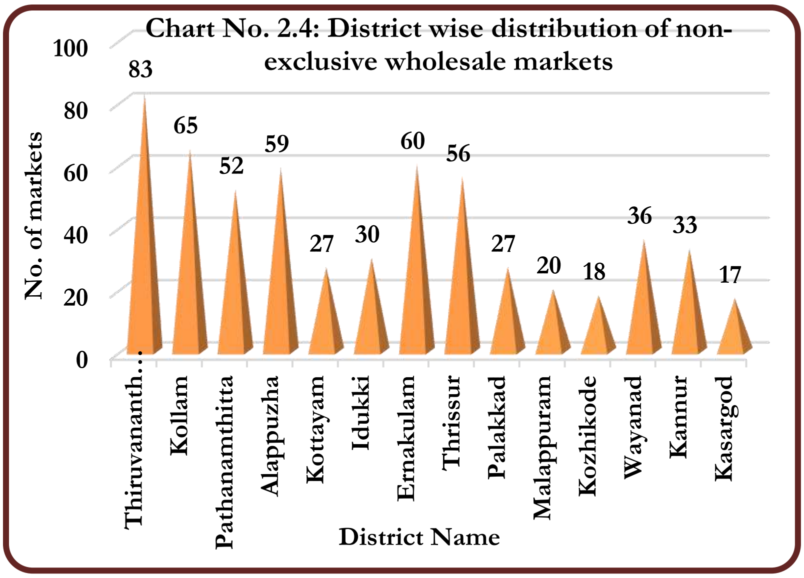
Out of the total 1,248 markets, 583 (46.71%) engage in wholesale operations, while 1,075 (86.14%) function as retail markets. Since some markets participate in both wholesale and retail activities, they are counted under both categories. The detailed distribution of markets across districts is presented below.



2.2.2.1 Non-exclusive Wholesale

A total of 583 markets (46.71%) belong to the category of non-exclusive wholesale. Of all the districts, Thiruvananthapuram, Kollam, Ernakulam, and Alappuzha exhibit the highest concentration, contributing 14.24%, 11.15%, 10.29%, and 10.12% to the State's total wholesale markets, respectively. Thrissur (9.61%) and Pathanamthitta (8.92%) also

Chart No. 2.4: District wise distribution of non-exclusive wholesale markets



demonstrate a significant presence in this category. But Kasargod (2.92%), Kozhikode (3.09%), and Malappuram (3.43%) have comparatively lower shares of wholesale markets. A detailed district-wise breakdown is provided in **Table No. 2.3** and illustrated in **Chart No. 2.4**.

2.2.2.2 Non-exclusive Retail

Among the 1248 markets, 1,075 (86.14%) are non-exclusive retail markets in the state. Thiruvananthapuram has the highest percentage of retail markets at 24.28% of state total, closely followed by Kollam at 13.49%. Ernakulam (10.88%) also has a substantial number of retail markets. In contrast, districts like Kasargod (1.30%), Palakkad (1.49%) and Idukki (1.77%) show a lower retail market presence. More details are available in **Table No. 2.3** and **Chart No. 2.5**.

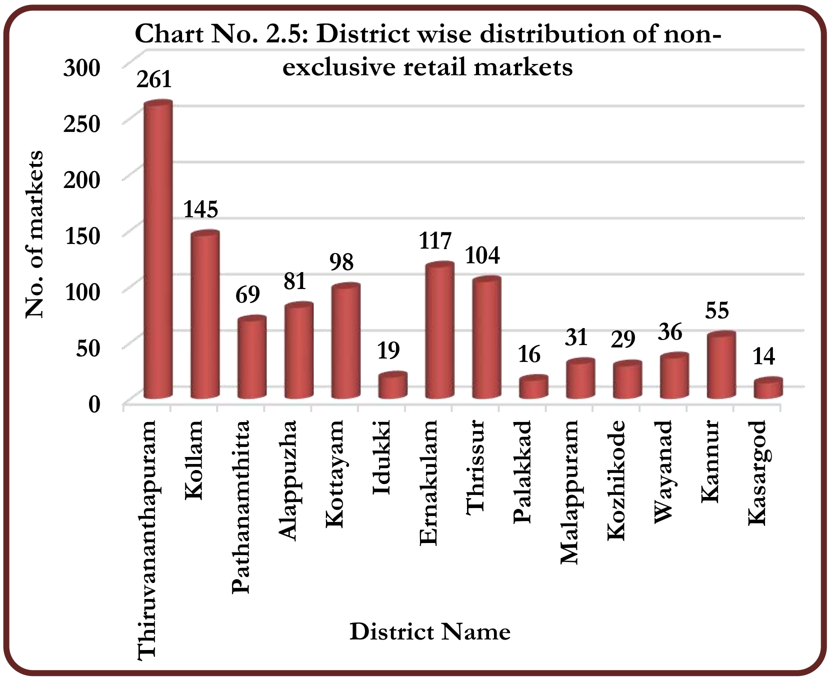


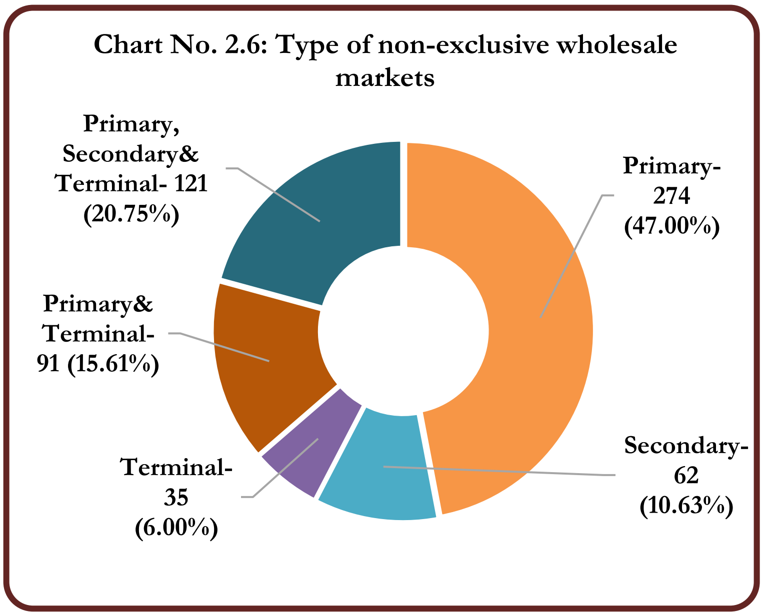
Table No. 2.3: District wise distribution of non-exclusive category markets

Serial No.	District Name	No. of Markets	Category of market					
			Non-exclusive Wholesale	Percentage share over		Non-exclusive Retail	Percentage share over	
				District total	State total		District total	State total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1	Thiruvananthapuram	270	83	30.74	14.24	261	96.67	24.28
2	Kollam	185	65	35.14	11.15	145	78.38	13.49
3	Pathanamthitta	86	52	60.47	8.92	69	80.23	6.42
4	Alappuzha	98	59	60.20	10.12	81	82.65	7.53
5	Kottayam	105	27	25.71	4.63	98	93.33	9.12
6	Idukki	36	30	83.33	5.15	19	52.78	1.77
7	Ernakulam	126	60	47.62	10.29	117	92.86	10.88
8	Thrissur	118	56	47.46	9.61	104	88.14	9.67
9	Palakkad	35	27	77.14	4.63	16	45.71	1.49
10	Malappuram	41	20	48.78	3.43	31	75.61	2.88
11	Kozhikode	31	18	58.06	3.09	29	93.55	2.70
12	Wayanad	40	36	90.00	6.17	36	90.00	3.35
13	Kannur	56	33	58.93	5.66	55	98.21	5.12
14	Kasargod	21	17	80.95	2.92	14	66.67	1.30
Total		**1248**	**583**	**46.71**	**100.00**	**1075**	**86.14**	**100.00**

2.3 Types of Non-exclusive Wholesale Markets

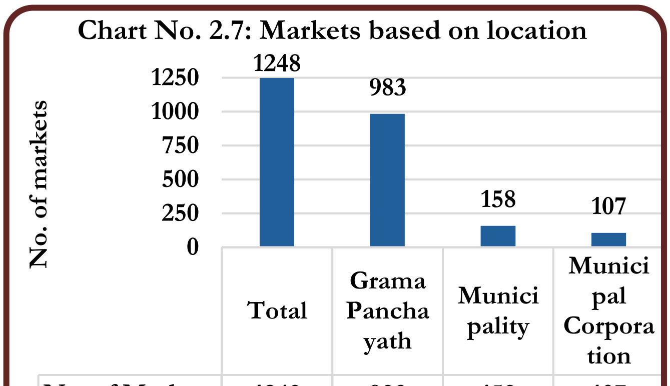
The survey collected data on non-exclusive wholesale markets, categorizing them based on the nature of transactions, viz., Primary, Secondary, and Terminal wholesale markets. This classification is essential for understanding the movement of agricultural commodities from farm gates to end users.

Among the 583 non-exclusive wholesale markets, Primary wholesale markets account for 274 (47.00%), serving as direct platforms where farmers can negotiate better prices for their produce without intermediaries. Secondary wholesale markets constitute 62 (10.63%) of the total, primarily sourcing agricultural commodities from other wholesale markets. Terminal wholesale markets, which function as the final points in the wholesale trade network, constitute 35 (6.00%) of the total markets. Additionally, 91 (15.61%) markets operate as both Primary and Terminal wholesale markets, facilitating both direct farmer transactions and final-stage wholesale trade. A further 121 (20.75%) markets serve multiple roles, functioning as Primary, Secondary, and Terminal wholesale markets simultaneously. The details are presented in **Chart No. 2.6** and district level figures are available in **Annexure Table No. 1 (Page 103)**.



2.4 Market Location

The markets surveyed were classified based on their location within different Local Self Government Institutions (LSGIs). The data indicates that out of a total of 1,248 markets, 983 (78.77%) are in Grama Panchayaths, 158 (12.66%) in Municipalities, and 107 (8.57%) in Municipal Corporations. These are provided in **Chart No. 2.7.** Within each category of LSGIs, markets in each district have been further classified into exclusive wholesale markets, exclusive retail markets, and those serving both wholesale and retail trade. District wise details are available in **Annexure Table No. 1.1 (Page 104)**.



	Total	Grama Panchayath	Municipality	Municipal Corporation
No. of Markets	1248	983	158	107
Percentage	100.00%	78.77%	12.66%	8.57%

2.5 Year of Establishment

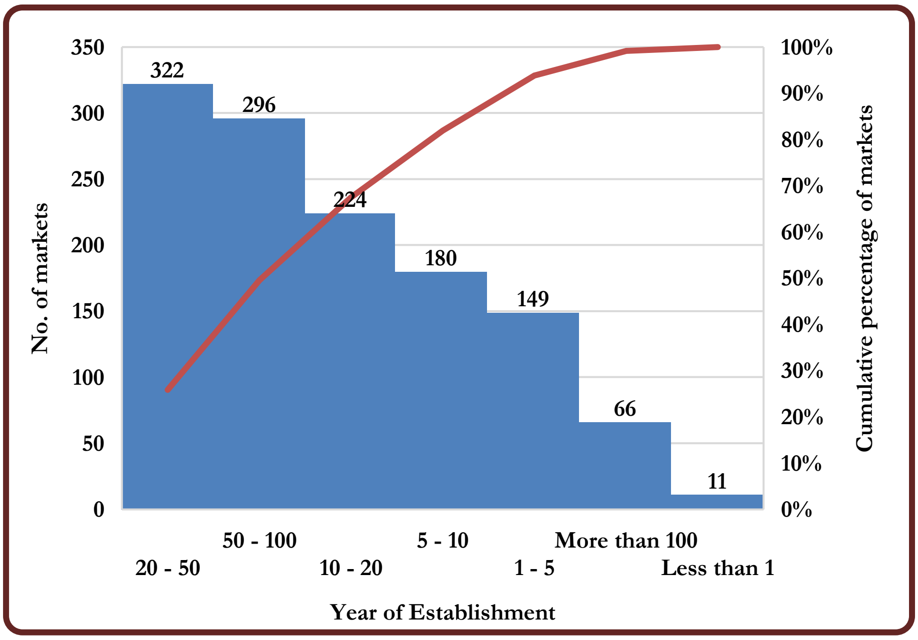
The operational duration or year of establishment of agricultural markets provides valuable insights into their stability and historical significance within the sector. According to the survey, only 11 (0.88%) markets have been in operation for less than a year. A significant proportion 322 (25.80%) markets have been functioning for over two decades, while 296 (23.72%) markets have been in operation for 50 to 100 years. Additionally, 66 (5.29%) markets have remained active for more than a century. Further details on the distribution of markets by year of establishment are presented in **Table No. 2.4** and **Chart No. 2.8** below.

Table No. 2.4: Details of markets by year of establishment

Serial No.	Year of Establishment*	No. of Markets	Percentage of share
1	Less than 1	11	0.88%
2	1 - 5	149	11.94%
3	5 - 10	180	14.42%
4	10 - 20	224	17.95%
5	20 - 50	322	25.80%
6	50 - 100	296	23.72%
7	More than 100	66	5.29%
	Total	**1248**	**100.00%**

Each size class includes its lower limit.

Chart No. 2.8: Distribution of markets by years of establishment



District level data shows that Thiruvananthapuram leads with the highest number of markets (105) that have been operational for more than 50 years, followed by Kollam (65), Alappuzha (51) and Ernakulam (34). Across most districts, a substantial proportion of markets have been functioning for over 20 years, indicating their continued relevance. Notably, a significant number of markets fall within the 1-5 year category, reflecting the emergence of newer markets in various regions. District wise information about the year of establishment of markets is provided in **Annexure Table No. 2 (Page 105)**.

2.5.1 Year of Establishment of Exclusive Category Markets

The classification of markets based on their year of establishment reveals significant trends across different market categories: exclusive wholesale, exclusive retail, and both wholesale and retail. An analysis of 1,248 markets provides insights into their distribution over time.

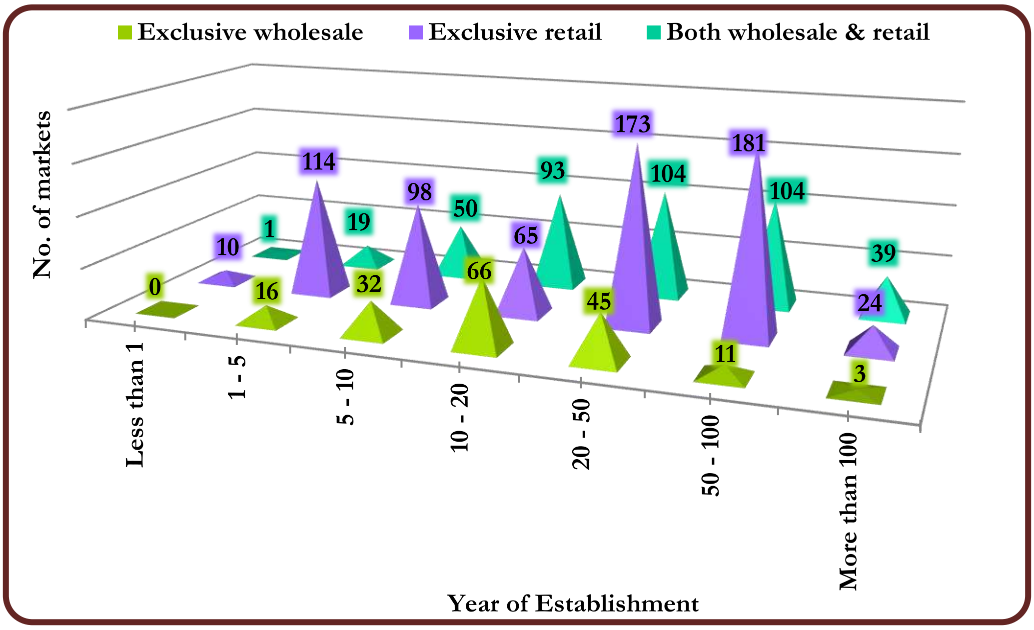
A total of 11 (0.88%) markets were established within the past year, with the majority (90.91%) categorized as exclusive retail. In the 1-5 year category, 149 (11.94%) markets were established, of which 76.51% are exclusive retail. Similarly, in the 5-10 year category, 180 (14.42%) markets were found, with 54.44% classified as exclusive retail and 27.78% as both wholesale and retail. The analysis shows a significant expansion of markets over the past 50 years, with a dominant trend towards exclusive retail markets. Older markets, particularly those over 100 years old, primarily serve both wholesale and retail functions, reflecting their historical significance. The growth of exclusive wholesale markets in the 10-50 year range indicates evolving trade structures. Further details regarding the year of establishment of markets are provided in **Table No. 2.5** and **Chart No. 2.9**.

Table No. 2.5: Year of establishment of exclusive category markets

Serial No.	Year of Establishment*	No. of Markets	Category of market		
			Exclusive wholesale	Exclusive retail	Both wholesale & retail
1	Less than 1	11	0	10	1
2	1 - 5	149	16	114	19
3	5 - 10	180	32	98	50
4	10 - 20	224	66	65	93
5	20 - 50	322	45	173	104
6	50 - 100	296	11	181	104
7	More than 100	66	3	24	39
Total		1248	173	665	410

**Each size class includes its lower limit.*

Chart No. 2.9: Year of establishment of exclusive category markets



The district wise distribution of markets by year of establishment is provided in **Annexure Table No. 2.1, 2.2,** and **2.3 (Page 106-108)** for the categories of exclusive wholesale, exclusive retail, and both wholesale and retail, respectively. Additionally, the year of establishment of these market categories has been classified based on their location within Local Self Government Institutions (LSGIs), including Grama Panchayaths, Municipalities, and Municipal Corporations. This classification is presented in **Annexure Table No. 2.4, 2.5, 2.6,** and **2.7 (Page 109-112)**.

2.6 Ownership

The survey collected data on the ownership status of the markets in the study. Among the 1,248 markets surveyed, 487 (39.02%) are owned by Local Self Government Institutions, while 123 (9.86%) are managed by the Department of Agriculture Development and Family Welfare. Additionally, 115 (9.21%) markets are operated by Farmers fraternity/ organizations, and 36 (2.88%) are managed by cooperatives. A significant proportion, 276 (22.12%), is governed by various boards, corporations, or councils. Furthermore, the survey reveals that 115 (9.21%) private markets are registered with local government bodies, whereas 56 (4.49%) are privately operated without such registration. Additionally, 19 (1.52%) markets lack a clearly defined ownership structure. The details of market ownership are presented in **Table No. 2.6** above and further illustrated in **Chart No. 2.10** below.

Table No. 2.6: Ownership status of markets

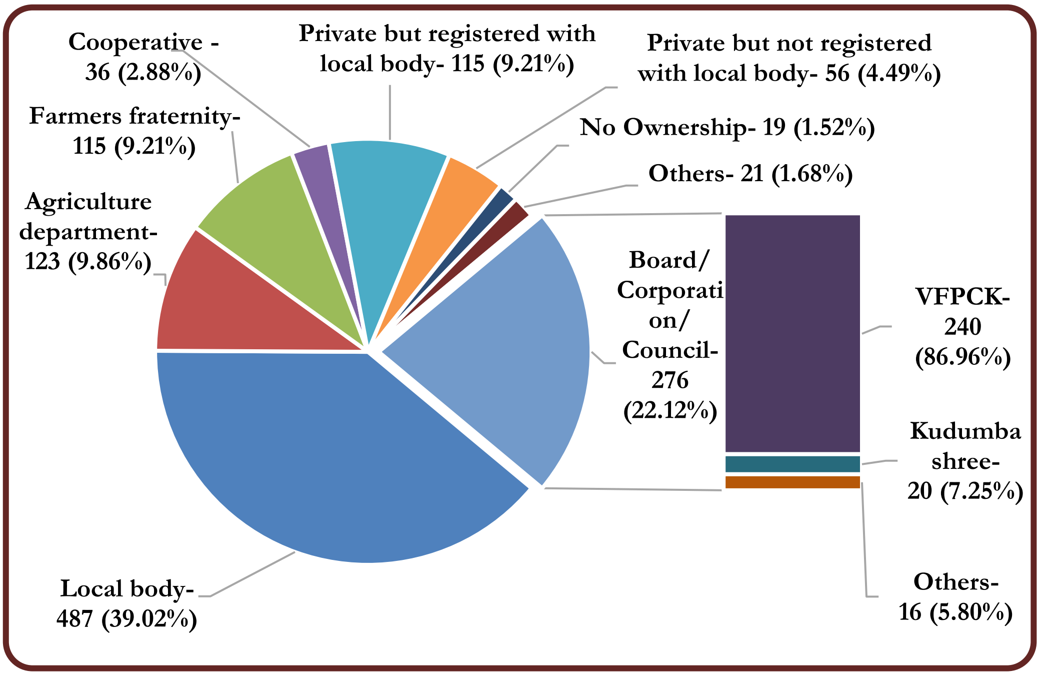
Serial No.	Ownership	No. of markets	Percentage Share (%)
1	Local body	487	39.02%
2	Agriculture department	123	9.86%
3	Farmers fraternity	115	9.21%
4	Cooperative	36	2.88%
5	Board/Corporation/ Council	276	22.12%
6	Private but registered with local body	115	9.21%
7	Private but not registered with local body	56	4.49%
8	No Ownership	19	1.52%
9	Others	21	1.68%
Total		1248	100.00%

Among the 276 markets owned by various boards, corporations, or councils, the Vegetable and Fruit Promotion Council of Kerala (VFPCK) holds a dominant position, managing 240 markets, which accounts for 86.96% of the total. Kudumbashree operates 20 (7.25%) markets, while the remaining 16 (5.80%) markets under the category 'Others' run by establishments such as Horticorp, Kerafed, and similar agencies. The details of market ownership are presented in **Table No. 2.7** and **Chart No. 2.10** below. District wise distribution of market ownership is provided in **Annexure Table No. 3 (Page 113)**.

Table No. 2.7: Ownership status of markets run by Board/ Corporation/ Council

Serial No.	Ownership	No. of markets	Percentage Share (%)
1	VFPCK	240	86.96%
2	Kudumbashree	20	7.25%
3	Others	16	5.80%
Total		276	100.00%

Chart No. 2.10: Ownership status of markets



2.6.1 Ownership of Exclusive Category Markets

The survey examined the ownership structure of markets categorized as exclusive wholesale, exclusive retail, and both wholesale and retail. The details are presented below.

2.6.1.1 Exclusive Wholesale

Among the 173 exclusive wholesale markets, the majority, 111 (64.16%) markets are owned and managed by the Board/Corporation/Council. Local bodies govern 16 (9.25%), while private entities registered with local bodies oversee 9 (5.20%). Additionally, Cooperatives manage 8 (4.62%) markets, farmer fraternity oversee 12 (6.94%) markets, and the agriculture department run 9 (5.20%). Further details are provided in **Table No. 2.8** and **Chart No. 2.11**.

2.6.1.2 Exclusive Retail

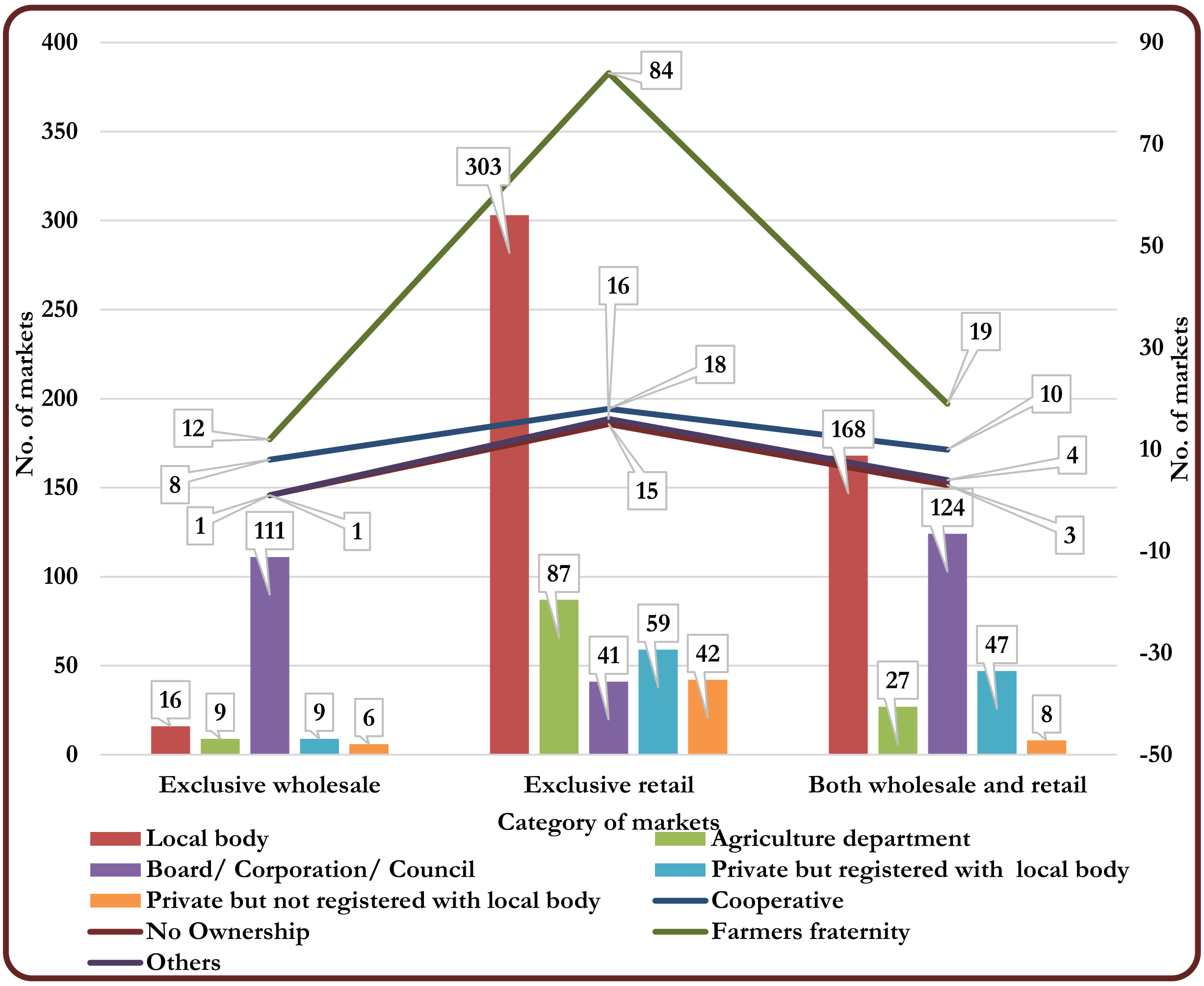
Out of the 665 retail markets, local bodies manage 303 (45.56%) markets. The agriculture department own 87 markets (13.08%), while the farmer fraternity operates 84 (12.63%) markets. Private entities own 59 (8.87%) markets that are registered with local bodies and 42 (6.32%) markets that are unregistered. Board/Corporation/Council manage 41 (6.17%) markets and cooperatives own 18 (2.71%) markets. Details are provided in **Table No. 2.8** and **Chart No. 2.11**.

2.6.1.3 Both Wholesale and Retail

Among the 410 markets that serve both wholesale and retail trade, Board/ Corporation/ Council manage 124 (30.24%) markets, indicating their dominant role in this category. Local bodies, farmer fraternity and cooperatives manage 168 (40.96%), 19 (4.63%) and 10 (2.44%) markets respectively. Private ownership accounts for 47 (11.46%) markets that are registered and 8 (1.95%) markets that are unregistered. Details are given in **Table No. 2.8** and **Chart No. 2.11**.

Table No. 2.8: Ownership status of exclusive category markets											
Serial No.	Category of Market	No. of markets	Type of ownership								
			Local body	Agriculture department	Farmers fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with local body	Private but not registered with local body	No Ownership	Others
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
1	Exclusive wholesale	173	16	9	12	8	111	9	6	1	1
2	Exclusive retail	665	303	87	84	18	41	59	42	15	16
3	Both wholesale and retail	410	168	27	19	10	124	47	8	3	4
Total		**1248**	**487**	**123**	**115**	**36**	**276**	**115**	**56**	**19**	**21**

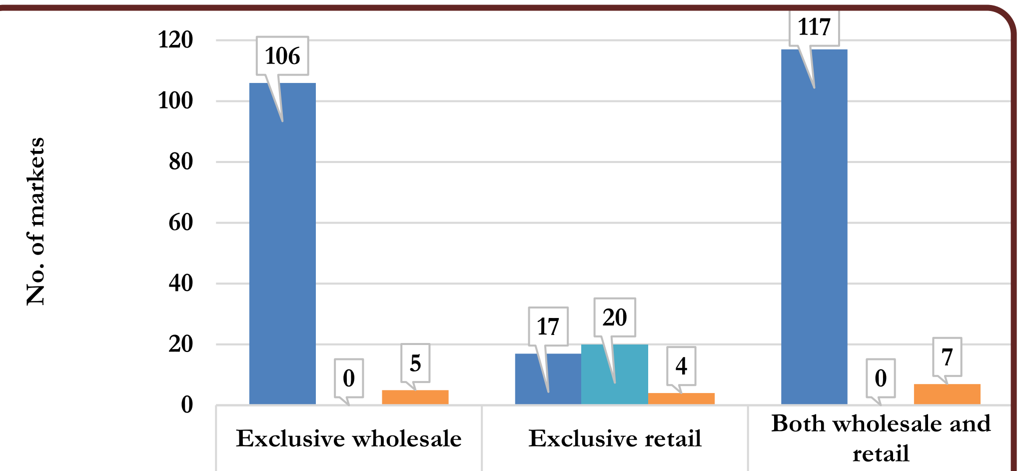
Chart No. 2.11: Ownership status of exclusive category markets



The analysis reveals that local bodies and Board/Corporation/Council are the primary stakeholders managing public agricultural markets in Kerala. Their substantial presence in both wholesale (73.41%), retail (51.73%), and both wholesale and retail (71.22%) segments underscore their critical role in sustaining market infrastructure and operations. Private ownership, particularly among unregistered entities, also contributes significantly, especially within the retail sector.

The ownership details of markets managed by the Board/Corporation/Council have also been examined. Of the total 276 markets, it is evident that VFPCK and Kudumbashree play major roles across all exclusive categories. The ownership under others category includes markets operated by Horticorp, Kerafed, Greater Cochin Development Authority (GCDA), and similar entities. The significant role of government intervention in this sector is clearly observable. Further details are presented in **Chart No. 2.12** below.

Chart No. 2.12: Ownership status of exclusive category markets run by Board/Corporation/Council



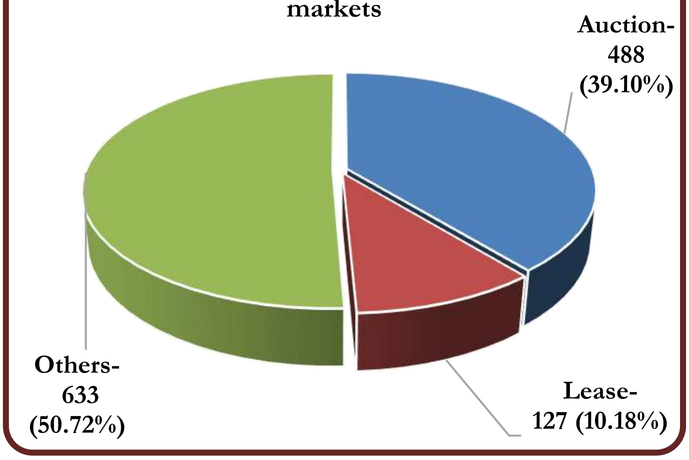
	Exclusive wholesale	Exclusive retail	Both wholesale and retail
VFPCK	106	17	117
Kudumbashree	0	20	0
Others	5	4	7

The district level data on the ownership status of surveyed markets, along with their classification into exclusive wholesale, exclusive retail, and both wholesale and retail, are given in **Annexure Table Nos. 3, 3.1 to 3.3 (Page 113-116)**. Additionally, the ownership status of markets and exclusive market categories based on their location such as Grama Panchayath, Municipality, and Municipal Corporation are provided in **Annexure Table Nos. 3.4 to 3.7 (Page 117-120)**.

2.7 Market Operation

The survey collected data on the operational mechanisms of markets, categorized into auction, lease, and other modes of operation. Out of the 1,248 markets surveyed, 488 (39.10%) operate under the auction model, 127 (10.18%) under lease, and 633 (50.72%) under other arrangements. The detail is shown in **Chart No. 2.13**.

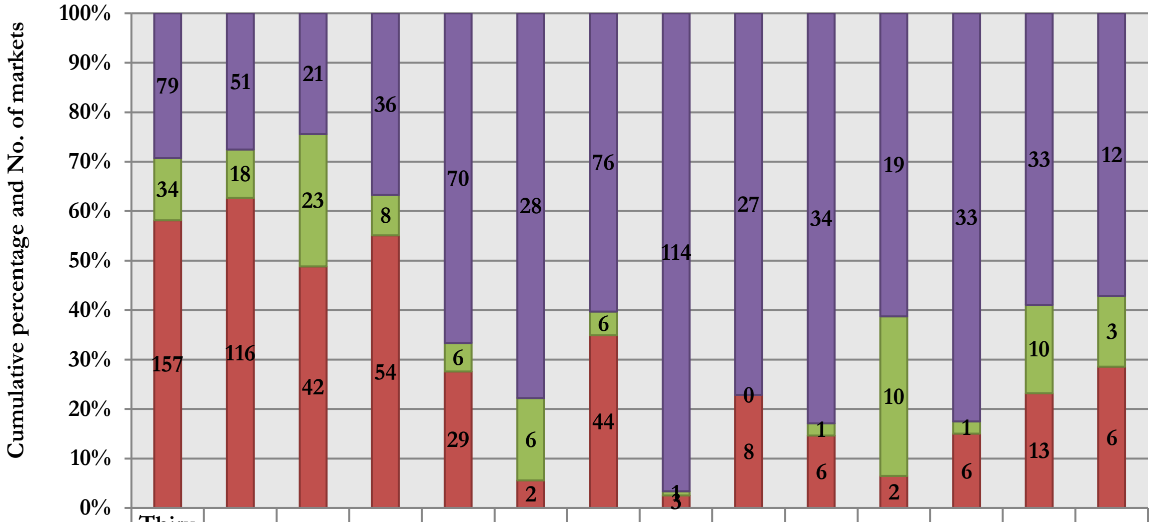
Chart No. 2.13: Mode of operation of markets



An analysis of district level data reveals that Thiruvananthapuram and

Kollam have the highest number of auction based markets, ranking first and second, respectively. With respect to lease based markets, Thiruvananthapuram leads with 34 markets operating under this model, followed by Pathanamthitta with 23 markets and Kollam with 18 markets. **Chart No. 2.14** below provides a comprehensive overview of the operational status of markets.

Chart No. 2.14: District wise distribution of mode of operation of markets



	Thiruvananthapuram	Kollam	Pathanamthitta	Alappuzha	Kottayam	Idukki	Ernakulam	Thrissur	Palakkad	Malappuram	Kozhikode	Wayanad	Kannur	Kasargod
Others	79	51	21	36	70	28	76	114	27	34	19	33	33	12
Lease	34	18	23	8	6	6	6	1	0	1	10	1	10	3
Auction	157	116	42	54	29	2	44	3	8	6	2	6	13	6

District Name

2.7.1 Market Operation of Exclusive Category Markets

This section analyzes the operational modes of exclusive category markets, which include exclusive wholesale, exclusive retail, and both wholesale and retail. Among the 173 exclusive wholesale markets, 39 (22.54%) operate through auctions, 19 (10.98%) are leased and remaining 115 (66.47%), function under other methods. Out of the total 665 exclusive retail markets, 295 (44.36%) operate through auctions, while an equal number (44.36%) fell under the 'Others' category. Only 75 (11.28%) operate on a lease basis. Among the 410 both wholesale and retail markets, 154 (37.56%) operate through auctions, 33 (8.05%) function on a lease basis, and 223 (54.39%) use other methods. The details are given in **Table No. 2.9** and **Chart No. 2.15** below.

Table No. 2.9: Mode of operation of exclusive category markets

Serial No.	Category of Market	No. of Markets	Mode of Operation		
			Auction	Lease	Others
(a)	(b)	(c)	(d)	(e)	(f)
1	Exclusive wholesale	173	39	19	115
2	Exclusive retail	665	295	75	295
3	Both wholesale and retail	410	154	33	223
Total		**1248**	**488**	**127**	**633**

Chart No. 2.15: Mode of operation of exclusive category markets

The district-wise distribution of exclusive category markets, classified by auction, lease, or other modes, is presented in **Annexure Table No. 4 (Page 121)**. Additionally, the district wise distribution of markets based on ownership and mode of operation is provided in **Annexure Table Nos. 4.1 and 4.2 (Page 122-124)**.

2.8 Extent of Land Possessed by Markets

The survey collected data on the extent of land occupied by markets for their operations. This data excludes areas outside the primary marketplace, informal premises such as roadways, footpaths, open spaces, and puramboke land, focusing solely on land utilized for permanent and temporary market structures, as well as areas specified for potential expansion and storage of agricultural goods. The key findings are summarized as follows:

A total of 1,248 markets collectively occupies 38,041.25 cents of land across the state. Among these, local bodies own the largest share, managing 23,297 (61.24%) cents of the total market area. Private entities registered with local bodies (LSGIs) possess 4,267 (11.22%) cents. Board/ Corporation/ Council ownership collectively holds 4,741.50 (12.46%) cents. Further details on land ownership distribution are provided in **Table No. 2.10** and **Chart No. 2.16** below.

Table No. 2.10: Ownership wise extent of land possessed by markets

Serial No.	Ownership	Extent of land possessed (In Cent.)	Percentage share over total
1	Local body	23297	61.24%
2	Agriculture department	2375.75	6.25%
3	Farmers Fraternity	697.75	1.83%
4	Cooperative	841	2.21%
5	Board/Corporation/Council	4741.50	12.46%
6	Private but registered with Local body	4267	11.22%
7	Private but not registered with Local body	1271.25	3.34%
8	No Ownership	191	0.50%
9	Others	359	0.94%
	Total	**38041.25**	**100.00%**

Chart No. 2.16: Ownership wise extent of land possessed by markets

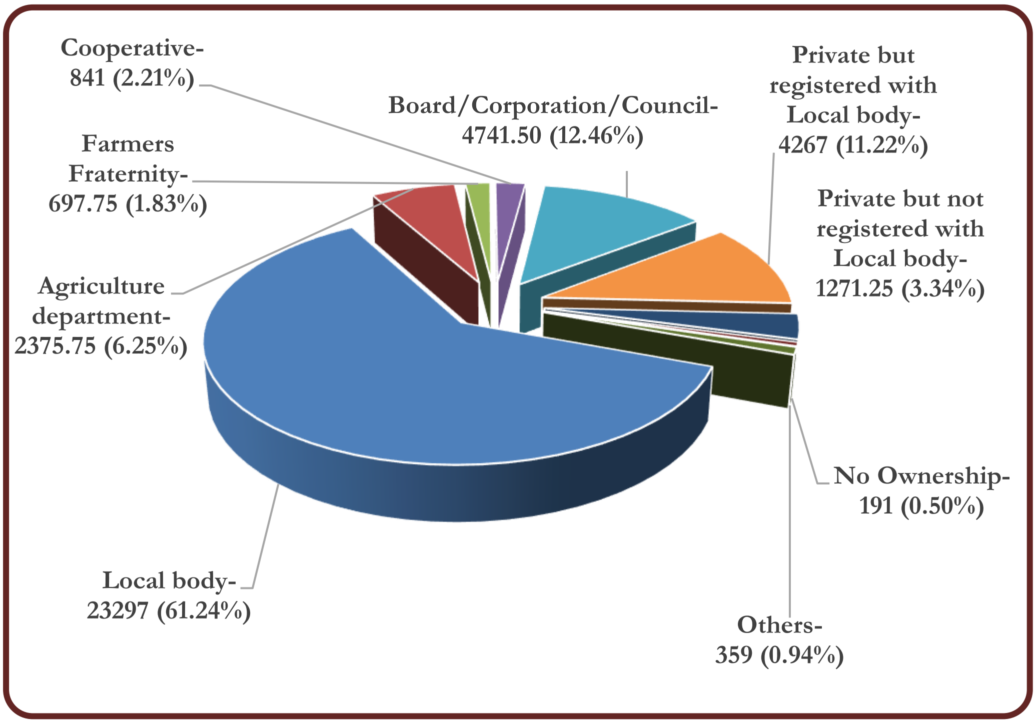


Table No. 2.11: Ownership wise extent of land possessed by markets under Board/Corporation/Council

Serial No.	Ownership	Land possessed (In Cent.)	Percentage share over total
1	**VFPCK**	2734.50	57.67%
2	**Kudumbashree**	39	0.82%
3	**Others**	1968	41.51%
Total		**4741.50**	**100.00%**

An examination of the extent of land occupied by markets under the ownership of various Boards, Corporations, and Councils shows that Vegetable and Fruit Promotion Council Keralam (VFPCK) holds the largest share, possessing 2,734.50 cents, which accounts for 57.67% of the total land, highlighting its prominent role in managing agricultural markets. The category classified as 'Others', which includes markets operated by Kerafed, Horticorp, and the Greater Cochin Development Authority (GCDA), holds 1,968 (41.51%) cents of the total land. Meanwhile, markets under Kudumbashree occupy a comparatively smaller area, with 39 (0.82%) cents of the total land. Details are presented in **Table No. 2.11**.

District level data indicates that Thiruvananthapuram has the highest share of land extent among markets owned by local body institutions, followed by Kollam in the second position, while Wayanad is in the last position. Markets owned by private entities registered with local bodies are notably concentrated in districts such as Kollam, Alappuzha, and Palakkad. In the category of markets owned by the Board/ Corporation/ Council, Wayanad and Kollam have particularly high figures. The cooperative sector exhibits a relatively higher share of Kasaragod, Idukki and Ernakulam. Among private entities not registered with local bodies, Thiruvananthapuram, Malappuram and Kollam lead in terms of market ownership. Markets classified under 'others' are spread over various districts.

Also, a significant number of markets without formal ownership are concentrated mainly in Thiruvananthapuram, Kollam and Kannur. In conclusion, local bodies are the predominant owners of the market, followed by the Board/ Corporation/ Council as well as private registered entities. Cooperatives and unregistered private entities also hold significant share of market land. Detailed district wise data is provided in **Annexure Table No. 5 (Page 125)**.

2.8.1 Extent of Land Occupied by Exclusive Category Markets

This section presents an analysis of the extent of land occupied by exclusive category markets- exclusive wholesale, exclusive retail, both wholesale and retail markets. The details are presented below.

2.8.1.1 Exclusive Wholesale

The 173 exclusive wholesale markets collectively occupy a total land extent of 4,349 cents. A significant proportion of this land- 1,956 cents (44.98%)- is managed by Board/ Corporation/ Council. Local bodies oversee 849 cents (19.52%), while the Agriculture Department manages 120 cents (2.76%). Private entities registered with local bodies control 373 cents (8.58%), whereas unregistered private entities hold 451 cents (10.37%). Additionally, 20 cents (<1%) are attributed to markets without formal ownership.

2.8.1.2 Exclusive Retail

The 665 exclusive retail markets occupy the largest total land extent, totaling 13,276.75 cents. Of this, local bodies manage a substantial 9,366 cents (70.54%), followed by private entities registered with local bodies, which control 1,934 cents (14.57%). Unregistered private entities possess 658.25 cents (4.96%), while Boards, Corporations, or Councils manage 190 cents (1.43%). Cooperatives oversee 85 cents (<1%). Markets without formal ownership account for 129 cents (<1%), and 210 cents (1.58%) fall under the 'Others' category.

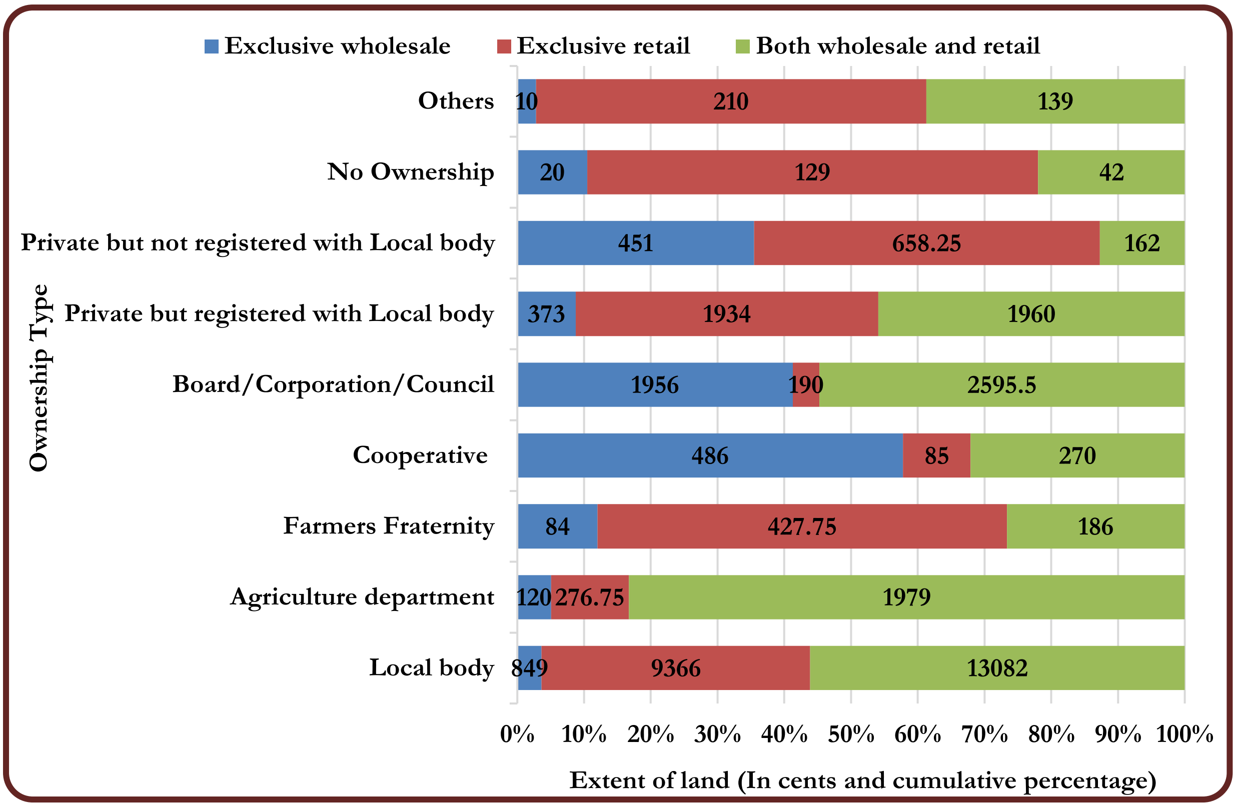
2.8.1.3 Both Wholesale and Retail

A total of 410 markets classified under this category occupy a substantial land extent of 20,415.50 cents. Local bodies hold the largest share, managing 13,082 cents (64.08%). Board/ Corporation/ Council oversee 2,595.5 cents (12.71%), while private entities registered with local bodies control 1,960 cents (9.60%). Cooperatives occupy 270 cents (1.32%), and the Agriculture Department manages 1,979 cents (9.69%). Farmers Fraternities possess 186 cents (<1%). Additionally, 139 cents (<1%) are associated with markets without formal ownership.

The distribution of land ownership among surveyed markets underscores the predominant role of local bodies, which manage a significant share of market spaces, particularly in the retail markets, and both wholesale and retail markets. Additionally, Board/ Corporation/ Council play a crucial role, particularly in the management of wholesale markets. VFPCK is the primary agency of the state government involved in the management of agricultural markets. These details are further illustrated in **Table No. 2.12** and **Chart No. 2.17**.

Table No. 2.12: Extent of land occupied by exclusive category markets											
Serial No.	Category of Market	Ownership wise extent of land possessed									Total extent of land (In cents.)
		Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
1	Exclusive wholesale	849	120	84	486	1956	373	451	20	10	**4349**
2	Exclusive retail	9366	276.75	427.75	85	190	1934	658.25	129	210	**13276.75**
3	Both wholesale and retail	13082	1979	186	270	2595.5	1960	162	42	139	**20415.5**
Total		**23297**	**2375.75**	**697.75**	**841**	**4741.50**	**4267**	**1271.25**	**191**	**359**	**38041.25**

Chart No. 2.17: Extent of land occupied by exclusive category markets



The district wise distribution of the extent of land occupied by exclusive category markets is provided in **Annexure Table Nos. 5.1 to 5.3 (Page 126-128)**.

2.8.2 Extent of Land Occupied by LSGI Owned Markets

The distribution of markets owned by Local Self Government Institutions (LSGIs) across districts highlights a predominantly rural market structure, with Grama Panchayaths owning 65.30% of the markets and 51.30% of the total land. Municipalities hold 19.30% of the markets with 35.71% of the land, while Municipal Corporations, despite having 15.40% of the markets, control only 12.99% of the land, indicating smaller urban market spaces. Thiruvananthapuram leads in both market numbers (156) and extent of land (6,279 cents), followed by Kollam, Pathanamthitta and Ernakulam. In contrast, districts like Idukki, Kozhikode and Wayanad have the least number of markets. The data suggests that rural areas rely heavily on local markets for economic activities, whereas urban centers, though having fewer markets, are likely to serve larger populations with higher commercial intensity. The details are presented in **Table No. 2.13** and **Chart No. 2.18, 2.19** below.

Table No. 2.13: Extent of land possessed by LSGIs owned markets

Serial No.	LSGIs type	Markets owned		Extent of land possessed	
		Nos.	Share	In cents.	Share
(a)	(b)	(c)	(d)	(e)	(f)
1	**Grama Panchayath**	318	65.30%	11952	**51.30%**
2	**Municipality**	94	19.30%	8319	**35.71%**
3	**Municipal Corporation**	75	15.40%	3026	**12.99%**
Total		**487**	**100.00%**	**23297**	**100.00%**

Chart No. 2.18: Markets owned by LSGIs

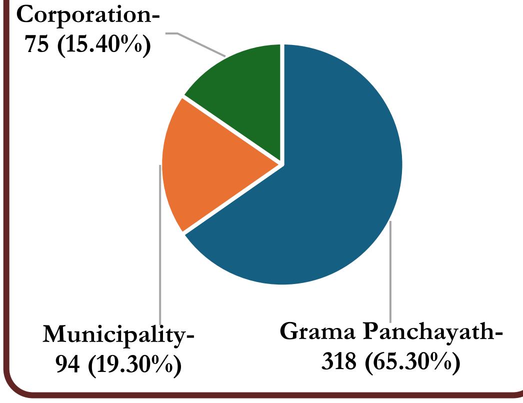
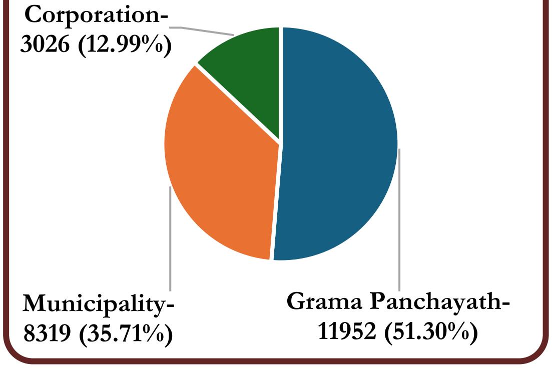


Chart No. 2.19: Extent of land possessed by LSGIs owned markets (In cents.)



District wise distribution extent of land possessed by local bodies owned markets are detailed in available in **Annexure Table No. 5.4 (Page 129)**.

In summary, the survey highlights the diverse structure and operational dynamics of agricultural markets in Kerala, underscoring their critical role in supporting the state's agrarian economy. The uneven distribution of markets across districts reflects regional variations in agricultural practices, population density, and market demand. The significant presence of local bodies, boards/corporations/councils in market ownership and operation emphasizes the importance of public institutions in ensuring accessibility and efficiency in market services. Meanwhile, the evolving trend toward non-exclusive market operations and the emergence of newer markets demonstrates Kerala's adaptability to changing economic and social conditions. These findings underscore the need for continuous monitoring and targeted interventions to enhance the functionality and reach of agricultural markets in the state.

2.9 Comparison of Survey Results: 2005-06 Vs 2021-22

The Department conducted a comprehensive survey on agricultural markets in Kerala during 2005-06. An updated version of this survey was carried out in 2021-22. While the core definition of agricultural markets remained largely consistent throughout the two surveys, minor definitional changes were introduced. Despite these variations, certain indicators- such as ownership and year of establishment- enable meaningful longitudinal comparisons. By reorganizing and aligning the data fields to account for definitional differences, few more insights can also be drawn. This section presents a comparative analysis of markets ownership and year of establishment over the 16-year period.

2.9.1 Ownership

In the 2005-06 survey, markets were classified by ownership into three categories: (1) local body owned, (2) private owned, and (3) others. Within each type of ownership, markets were further divided into open or regulated. Open markets refer to those where commodity prices are subject to fluctuations, whereas regulated markets had stable pricing mechanisms.

In the 2021-22 survey, the distinction between open and regulated markets was no longer applicable due to a change in the definition of regulated markets. Under the contemporary framework, regulated markets specifically refer to those governed under the Agricultural Produce Market Committees (APMC) Act. However, Kerala has not implemented the APMC Act. As a result, the concept of 'regulated markets' as used in 2005-06 no longer applies and was excluded from the 2021-22 classification. Markets classified as regulated in 2005-06 were reclassified in the 2021-22 survey under different ownership categories, including those managed by entities such as the Vegetable and Fruit Promotion Council of Kerala (VFPCK), farmers fraternities, or cooperative societies. Consequently, due to changes in classification and underlying definitions, a direct comparison of 'regulated markets' across the two survey periods, spanning a 16-year interval, is not methodologically feasible.

For the purposes of this analysis, markets in both surveys have been grouped under the same three broad ownership categories: local body owned, privately owned, and others. **Table 2.14** presents the district wise distribution of markets by ownership for 2005-06 and 2021-22, allowing consistent comparison.

The analysis indicates a marginal decline in the total number of agricultural markets over the 16-year period, from 1,290 in 2005-06 to 1,248 in 2021-22, a net decrease of 42 markets or 3.26%. More significantly, the distribution of market ownership underwent substantial changes. Local body-owned markets declined from 58.37% in 2005-06 to 39.02% in 2021-22. In contrast, markets categorized as 'others' saw a substantial increase, rising from 15.97% to 47.27%. Some markets classified as local body-owned in 2005-06 may have transitioned to other categories by 2021-22, further contributing to the changes observed.

Table No. 2.14: District wise distribution of markets by ownership in 2005-06 and 2021-22- comparison										
Serial No.	District Name		No. of Markets	Type of ownership in 2005-06			No. of Markets	Type of Ownership in 2021-22		
				Local body	Private	Others		Local body	Private	Others
(a)	(b)		(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Thiruvananthapuram		288	181	65	42	270	156	34	80
2	Kollam		232	141	71	20	185	89	34	62
3	Pathanamthitta		83	66	13	4	86	41	7	38
4	Alappuzha		119	61	43	15	98	47	24	27
5	Kottayam		59	45	9	5	105	23	3	79
6	Idukki		42	18	8	16	36	6	2	28
7	Ernakulam		101	64	14	23	126	47	18	61
8	Thrissur		98	39	29	30	118	25	9	84
9	Palakkad		42	19	12	11	35	11	5	19
10	Malappuram		35	19	9	7	41	9	6	26
11	Kozhikode		91	63	19	9	31	4	4	23
12	Wayanad		27	15	8	4	40	5	13	22
13	Kannur		55	9	30	16	56	15	11	30
14	Kasargod		18	13	1	4	21	9	1	11
State Total		Count	1290	753	331	206	1248	487	171	590
		Percentage	100.00%	58.37%	25.66%	15.97%	100.00%	39.02%	13.70%	47.27%

District level analysis indicates that all districts in the state recorded an increase in markets classified under the ‘others’ category. Meanwhile, private markets showed a modest but consistent decline across most districts, reflecting either closures or transitions to other ownership types. Notably, only Ernakulam and Wayanad recorded increases in the number of private markets during this period, while Kasargod maintained the same number.

2.9.2 Year of Establishment

In the 2005-06 survey, markets were classified based on their year of establishment into the categories: up to 5 years, 6-10 years, 11-15 years, beyond 15 years, and Not known. In the 2021-22 survey, the classification was adjusted to accommodate the 16-year interval between the two surveys. The new classification includes: up to 16 years, 17-21 years, 22-26 years, 27-31 years, and beyond 31 years. Markets established within the last 16 years were considered newly established in the 2021-22 survey. This adjusted classification provides a more appropriate framework for analyzing changes in the market structure over time.

The data reveal that 522 markets (41.83%) of the total surveyed in 2021-22 were newly established, indicating significant market expansion. However, the total number of markets decreased from 1,290 in 2005-06 to 1,248 in 2021-22, reflecting a net reduction of 42 markets. This suggests a dual trend of market growth and closures over the period.

The alignment of age categories across the two surveys provides insight into the aging of markets. Categories from the 2005-06 survey (up to 5 years, 6-10 years, 11-15 years, and beyond 15 years) corresponds to the 2021-22 categories (17-21 years, 22-26 years, 27-31 years, and beyond 31 years), respectively. Notably, markets categorized as 'beyond 15 years' in 2005-06 transitioned into 'beyond 31 years' in 2021-22. Markets initially classified as 'not known' in 2005-06 were reassigned to specific age categories in 2021-22 as their years of establishment were identified. The absence of the 'not known' category in 2021-22 has resulted in a clearer distribution of market age categories, highlighting improved classification practices.

The district level analysis shows a clear aging trend in state's agricultural markets, with significant transitions of older markets into 'beyond the 31 years' category, especially in Thiruvananthapuram, Kollam, and Pathanamthitta. These districts reflect a strong presence of long-established markets that continue to function as key nodes in the state's agricultural marketing network. Districts like Kottayam and Ernakulam recorded an overall increase in the number of markets, likely due to the formal inclusion of previously unclassified or newly recognized markets in the 2021-22 survey. Conversely, districts such as Kozhikode and Palakkad witnessed a decline in number of markets, possibly due to the closure of underperforming or obsolete facilities. The comparative distribution of markets by year of establishment across districts in 2005-06 and 2021-22 surveys is presented in **Table No. 2.15** and **Table No. 2.16** respectively. These tables provide critical insights into the spatial and temporal shifts in the state's agricultural markets over the past 16 years.

Table No. 2.15: District wise distribution of the markets by year of establishment in 2005-06

Serial No.	District Name		District Total	Year of Establishment				
				Up to 5 years	6-10 years	11-15 years	Beyond 15 years	Not Known
(a)	(b)		(c)	(d)	(e)	(f)	(g)	(h)
1	Thiruvananthapuram		288	38	24	32	152	42
2	Kollam		232	15	21	21	98	77
3	Pathanamthitta		83	5	4	4	54	16
4	Alappuzha		119	4	6	2	85	22
5	Kottayam		59	4	3	3	34	15
6	Idukki		42	17	6	2	14	3
7	Ernakulam		101	15	12	6	60	8
8	Thrissur		98	9	20	10	40	19
9	Palakkad		42	6	5	4	22	5
10	Malappuram		35	1	2	0	15	17
11	Kozhikode		91	12	8	7	49	15
12	Wayanad		27	8	2	6	7	4
13	Kannur		55	18	10	5	13	9
14	Kasargod		18	6	0	1	7	4
State Total		Count	1290	158	123	103	650	256
		Percentage	100.00%	12.25%	9.53%	7.98%	50.39%	19.84%

Table No. 2.16: District wise distribution of the markets by year of establishment in 2021-22								
Serial No.	District Name	No. of Markets	Year of Establishment					
			Up to 16 Years	17-21 years	22-26 years	27-31 years	Beyond 31 years	Total beyond 16 years
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1	Thiruvananthapuram	270	63	21	21	20	145	207
2	Kollam	185	60	16	6	17	86	125
3	Pathanamthitta	86	37	4	2	2	41	49
4	Alappuzha	98	22	8	3	2	63	76
5	Kottayam	105	69	10	6	2	18	36
6	Idukki	36	26	4	0	1	5	10
7	Ernakulam	126	48	14	12	5	47	78
8	Thrissur	118	73	8	8	5	24	45
9	Palakkad	35	14	5	5	2	9	21
10	Malappuram	41	24	3	3	1	10	17
11	Kozhikode	31	20	2	0	0	9	11
12	Wayanad	40	23	3	0	0	14	17
13	Kannur	56	33	5	1	3	14	23
14	Kasargod	21	10	0	1	1	9	11
State Total	Count	1248	522	103	68	61	494	726
	Percentage	100.00%	41.83%	8.25%	5.45%	4.89%	39.58%	58.17%

In conclusion, this analysis underscores significant structural transformations in agricultural markets in the state between 2005-06 and 2021-22. While the establishment of 522 new markets indicates a phase of expansion, the overall reduction in the total number of markets points to closures likely driven by economic or infrastructural constraints. The evident aging of many markets highlights their resilience and their longstanding role in the state's agricultural marketing system.

These trends reflect broader economic shifts within the state, characterized by a transition from an agriculture-based economy to one increasingly dominated by the service sector. The increased involvement of government initiatives, cooperatives, farmers fraternities, and organizations such as VFPCK and Kudumbashree in managing agricultural markets signifies an evolving governance structure. The findings emphasize the need to ensure continued relevance, growth, and sustainability of agricultural markets through data driven policy interventions, institutional changes, and a paradigm shift in both economic priorities in general and purchasing priorities of the people in particular.

Chapter 3

Operational Characteristics

The agricultural markets in the state exhibit a diverse structure that caters to the varied demands of consumers and agricultural practices. Some markets are well known for trading specific commodities or groups of commodities, making them a preferred choice for both buyers and sellers. This ensures that buyers can access the required quantity of goods at reasonable prices. To better understand these dynamics, the survey collected data on the main commodities handled by each market, such as vegetables, fish, livestock, poultry, and meat, or combinations of these. Additionally, the survey captured information on the market operation schedule- whether the markets function daily, multiple days a week, weekly, fortnightly, or monthly. Details were also captured on whether the markets received financial assistance from state, central governments, or local self government institutions. These aspects are explained in detail in this chapter.

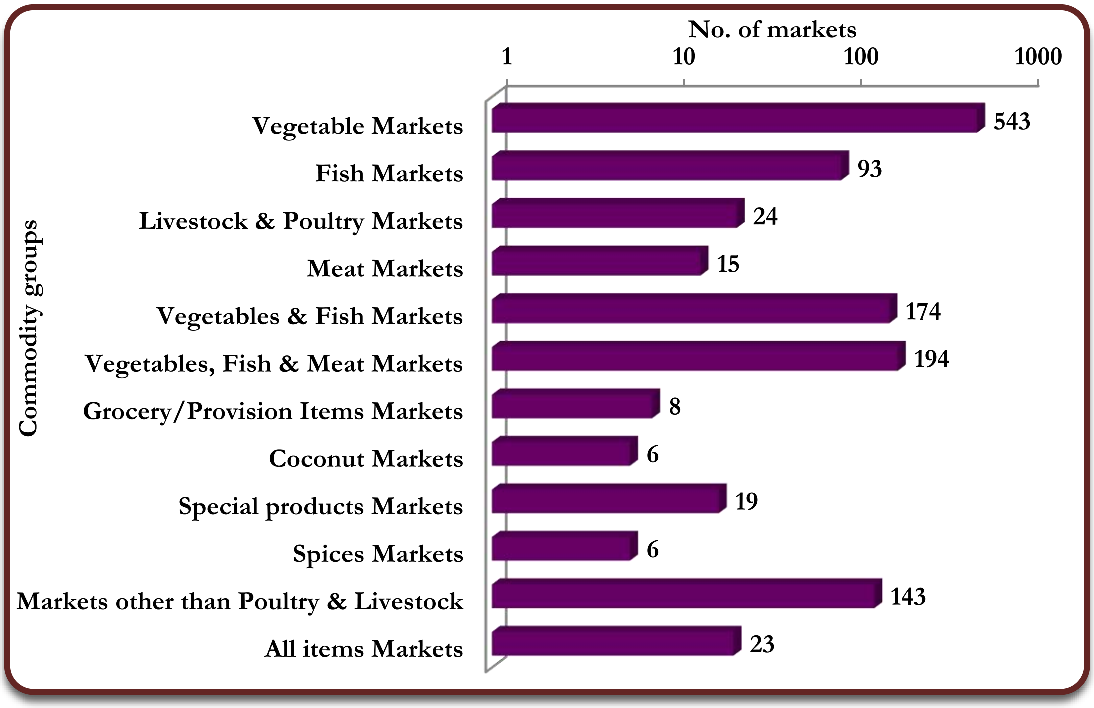
3.1 Markets by Commodity Groups Traded

Among the 1,248 markets surveyed, 543 (43.51%) are vegetable markets exclusively dealing in vegetables. This makes them the largest segment market type in the state. Fish markets represent the second largest category, with 93 (7.45%) markets. Livestock and poultry markets account for 24 (1.92%) markets, and meat markets comprise 15 (1.20%) markets. In terms of combination markets, 174 (13.94%) handle both vegetables and fish, while 194 (15.54%) are vegetables, fish, and meat. Other market types include 8 (0.64%) grocery/ provision item markets, 6 (0.48%) coconut markets, 19 (1.52%) special product markets, and 6 (0.48%) spice markets. Interestingly, 143 (11.46%) deal in various commodities but exclude livestock and poultry transactions, and 23 (1.84%) are classified as markets dealing with all types of commodities. The details of these findings are summarized in **Table No. 3.1** and further illustrated in **Chart No. 3.1**.

Table No. 3.1: Distribution of markets by commodity groups traded

Serial No.	Commodity Group	No. of Markets	Percentage share over state total (%)
(a)	(b)	(c)	(d)
1	Vegetable Markets	543	43.51
2	Fish Markets	93	7.45
3	Livestock & Poultry Markets	24	1.92
4	Meat Markets	15	1.20
5	Vegetables & Fish Markets	174	13.94
6	Vegetables, Fish & Meat Markets	194	15.54
7	Grocery/Provision Items Markets	8	0.64
8	Coconut Markets	6	0.48
9	Special products Markets	19	1.52
10	Spices Markets	6	0.48
11	Markets other than Poultry & Livestock	143	11.46
12	All items Markets	23	1.84
Total		**1248**	**100.00**

Chart No. 3.1: Distribution of markets by commodity groups traded



The district level data shows that markets such as vegetable markets, both vegetable and fish markets, both vegetables, fish and meat markets are common among various districts. Detailed distribution of district wise markets by commodity groups are available in **Annexure Table No. 6 (Page 130)**.

3.1.1 Exclusive Category Markets by Commodity Groups

The markets surveyed are categorized based on their primary function as exclusive wholesale, exclusive retail, or both wholesale and retail. Each type exhibits distinct distribution patterns across various districts. This section provides an overview of the commodity groups primarily transacted in these markets.

3.1.1.1 Exclusive Wholesale

Of the 173 exclusive wholesale markets, 124 (71.68%) primarily trade in vegetables, making it the dominant category. Fish markets account for 12 (6.94%), while livestock and poultry markets comprise 3 (1.73%). Markets dealing in a combination of vegetables, fish, and meat also contribute 3 (1.73%), as do coconut trading markets 3 (1.73%). Special product markets represent 11 (6.36%), and an additional 11 (6.36%) markets fall under the category of markets other than poultry and livestock. Grocery/ Provision items markets and all item markets are minimal, with only 1 (0.58%) market each. Further details are presented in **Table No. 3.2**.

3.1.1.2 Exclusive Retail

Among the 665 exclusive retail markets, 236 (35.49%) are vegetable markets, making them the most prevalent. Fish markets followed with 44 (6.62%), while livestock and poultry markets constitute 11 (1.65%). Markets trading in a combination of vegetable and fish account for 159

(23.91%) and vegetables, fish, and meat make up 149 (22.41%). Grocery/provision item markets and coconut markets are minimal, each comprising only 2 (0.30%). Special products and spice markets are similarly scarce, with just 1 (0.15%) market each. Additionally, 37 (5.56%) markets fall under the category of other than poultry and livestock, while 9 markets (1.35%) are classified as all items. These insights are available in **Table No. 3.2**.

3.1.1.3 Both Wholesale and Retail

Out of 410 both wholesale and retail markets, 183 (44.63%) are primarily vegetable markets. Fish markets represent 37 (9.02%), while livestock and poultry markets comprise 10 (2.42%). Interestingly, there are no exclusive meat markets in this category. Markets trading in a combination of vegetables and fish account for 14 (3.41%), while those that deal in vegetables, fish, and meat contribute 42 (10.24%). Grocery markets account for 5 (1.22%), while coconut trading markets consist of only 1 (0.24%). Special product markets amount to 7 (1.71%), and spice markets represent 3 (0.73%). Markets other than poultry and livestock are significant, with 95 (23.17%), while all item markets contribute 13 (3.17%). Further details are given in **Table No. 3.2**.

Table No. 3.2: Commodity group wise distribution of exclusive category markets

Serial No.	Commodity Group traded	Category of market						Total
		Exclusive wholesale	Percentage share over state total	Exclusive retail	Percentage share over state total	Both wholesale and retail	Percentage share over state total	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1	Vegetable Markets	124	71.68%	236	35.49%	183	44.63%	**543**
2	Fish Markets	12	6.94%	44	6.62%	37	9.02%	**93**
3	Livestock & Poultry Markets	3	1.73%	11	1.65%	10	2.44%	**24**
4	Meat Markets	1	0.58%	14	2.11%	0	0.00%	**15**
5	Vegetables & Fish Markets	1	0.58%	159	23.91%	14	3.41%	**174**
6	Vegetables, Fish & Meat Markets	3	1.73%	149	22.41%	42	10.24%	**194**
7	Grocery/Provision Items Markets	1	0.58%	2	0.30%	5	1.22%	**8**
8	Coconut Markets	3	1.73%	2	0.30%	1	0.24%	**6**
9	Special products Markets	11	6.36%	1	0.15%	7	1.71%	**19**
10	Spices Markets	2	1.16%	1	0.15%	3	0.73%	**6**
11	Markets other than Poultry & Livestock	11	6.36%	37	5.56%	95	23.17%	**143**
12	All items Markets	1	0.58%	9	1.35%	13	3.17%	**23**
Total		**173**	**100.00%**	**665**	**100.00%**	**410**	**100.00%**	**1248**

District level data reveals that multi commodity markets play a significant role in catering to diverse consumer demands. These markets reflect a well developed and diverse trading system across the state, with considerable variations in commodity specialization among districts. Further details can be seen in **Annexure Tables Nos. 6 to 6.3 (Page 130-133)**.

3.1.2 LSGIs Markets by Commodity Groups

The analysis of commodity group wise markets owned by Local Self Government Institutions (LSGIs) reveals that out of the total 487 markets, the highest share belongs to vegetables, fish & meat markets (149 markets, 30.60%), followed by vegetables & fish markets (111 markets, 22.79%), indicating a strong preference for integrated markets catering to essential perishable goods. Markets other than poultry & livestock account for 88 (18.07%) markets, while single commodity markets such as fish markets (62 markets, 12.73%), vegetable markets (26 markets, 5.34%), and meat markets (11 markets, 2.26%) reflect the demand for dedicated trading spaces. Certain categories, such as grocery/provision items markets (1.23%), special products markets (1.03%), and coconut markets (0.21%), have a minimal presence. Further details about these market categories are presented in **Table No. 3.3** and the district-wise distribution of LSGI-owned markets by commodity group is provided in **Annexure Table No. 6.4 (Page 134)**.

Table No. 3.3: Commodity group wise markets owned by LSGIs

Serial No.	Commodity Group	No. of markets	Share over total
(a)	(b)	(c)	(d)
1	Vegetable Markets	26	5.34%
2	Fish Markets	62	12.73%
3	Livestock & Poultry Markets	9	1.85%
4	Meat Markets	11	2.26%
5	Vegetables & Fish Markets	111	22.79%
6	Vegetables, Fish & Meat Markets	149	30.60%
7	Grocery/Provision Items Markets	6	1.23%
8	Coconut Markets	1	0.21%
9	Special products Markets	5	1.03%
10	Spices Markets	0	0.00%
11	Markets other than Poultry & Livestock	88	18.07%
12	All items Markets	19	3.90%
Total		487	100.00%

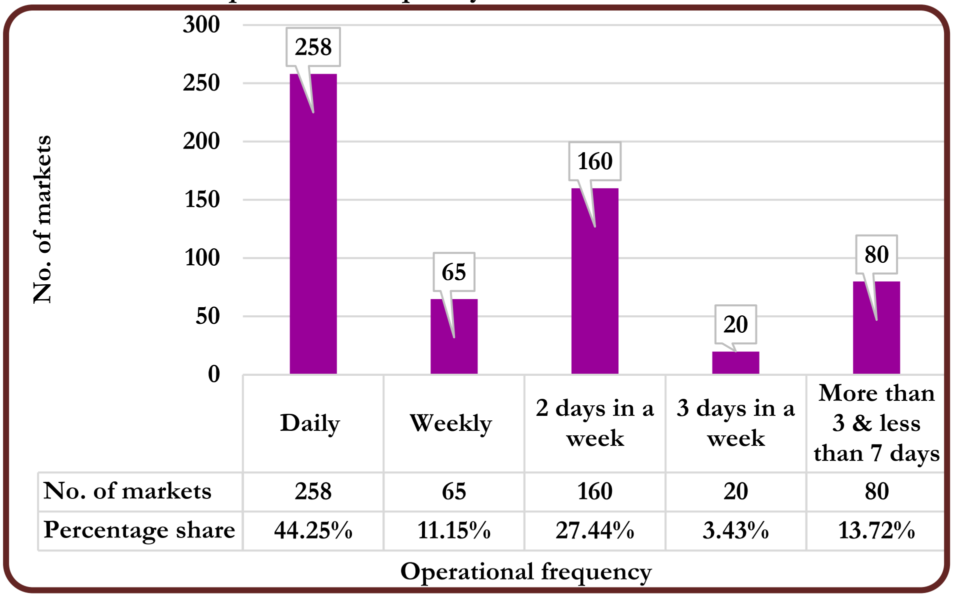
3.2 Operational Frequency or Business Days

This section examines the operational frequency of surveyed markets, categorized by daily, weekly, and less frequent business schedules. The variation in business days largely depends on the nature of market transactions. In markets serving both wholesale and retail functions, these transactions may occur either on the same day or on separate days, depending on the market structure. To provide a more precise analysis, markets classified as both wholesale and retail are treated as two separate entities- one for wholesale operations and the other for retail. This distinction allows for a clearer understanding of the operational patterns specific to each type of transaction. The details are as follows.

3.2.1 Non-exclusive Wholesale

Out of the 583 non-exclusive wholesale markets, 258 (44.25%) operate on a daily basis. Markets that open twice a week account for 160 (27.44%), while weekly markets constitute 65 (11.15%). A smaller proportion, 20 (3.43%) markets, operate for more than two days but fewer than seven days per week. No markets were reported to operate on a fortnightly, monthly, or yearly basis. Detailed information is provided in **Chart No. 3.2**.

Chart No. 3.2: Operational frequency of non-exclusive wholesale markets



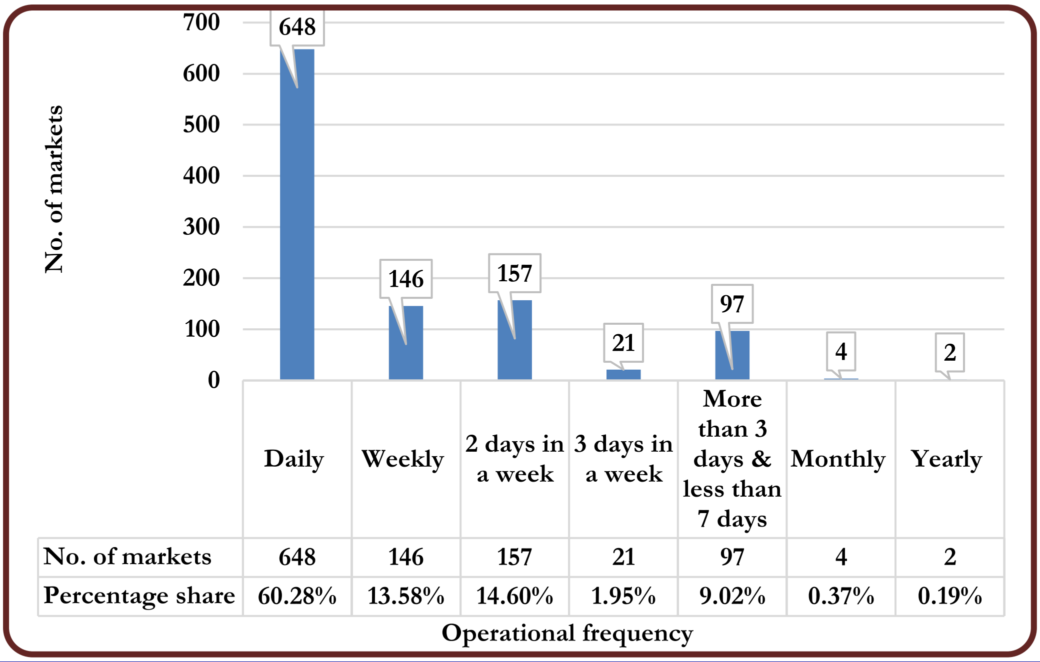
	Daily	Weekly	2 days in a week	3 days in a week	More than 3 & less than 7 days
No. of markets	258	65	160	20	80
Percentage share	44.25%	11.15%	27.44%	3.43%	13.72%

Among the districts, Thiruvananthapuram and Kollam have a notable number of markets that operate daily and twice a week, respectively. The operational frequency of non-exclusive wholesale markets, categorized by district, is provided in **Annexure Table No. 7 (Page 135)**.

3.2.2 Non-exclusive Retail

Of the 1,075 non-exclusive retail markets, 648 (60.28%) markets operate on a daily basis. Weekly markets account for 146 (13.58%), while markets operating two or three days per week contributing 157 (14.60%) collectively. Additionally, 97 (9.02%) falls into the category of operating more than three but less than seven days per week. A small number of markets, 4 (0.37%), operate on a monthly basis, whereas only 2 (0.19%) conduct annual operations. Notably, there are no markets that operate on a fortnightly or quarterly basis. These are provided in **Chart No. 3.3** below.

Chart No. 3.3: Operational frequency of non-exclusive retail markets



	Daily	Weekly	2 days in a week	3 days in a week	More than 3 days & less than 7 days	Monthly	Yearly
No. of markets	648	146	157	21	97	4	2
Percentage share	60.28%	13.58%	14.60%	1.95%	9.02%	0.37%	0.19%

The district wise analysis shows that most retail markets across districts function on a daily basis, while markets operating on an occasional or limited schedule are comparatively less common. The details are presented in **Annexure Table No. 7.1 (Page 136)**.

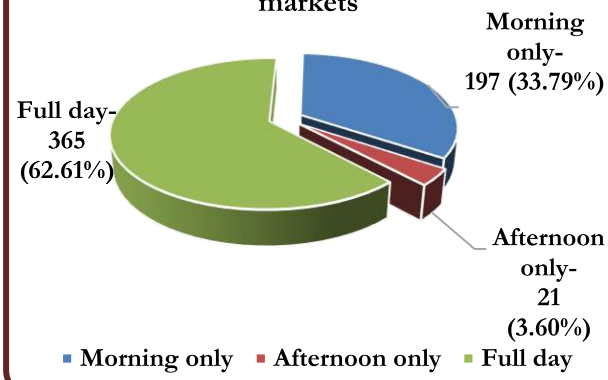
3.3 Business Time or Working Time

The business time of the markets is influenced by the types of transactions conducted, including wholesale and retail, as well as external factors such as the harvesting cycles of agricultural produce in surrounding areas. Retail markets primarily serve the needs of end consumers, whereas wholesale markets are more dependent on local conditions and may operate during specific periods. For analytical purposes, markets that function as both wholesale and retail are treated as two distinct entities: one operating as a wholesale market and the other as a retail market. The analysis categorizes markets based on the business time whether they operate only in the morning, only in the afternoon, or throughout the entire day. The following details provide an overview of the business time of non-exclusive wholesale and non-exclusive retail markets.

3.3.1 Non-exclusive Wholesale

The business hours of non-exclusive wholesale markets vary significantly across districts. Out of the total of 583 wholesale markets, 197 (33.79%) operate exclusively in the morning, 21 (3.60%) are open only in the afternoon, and 365 (62.61%) function throughout the entire day. This is represented in **Chart No. 3.4** below. District level analysis reveals that majority of wholesale markets in Kerala operate throughout the day. Morning only operations are still common. Further details can be found in **Annexure Table No. 8 (Page 137)**.

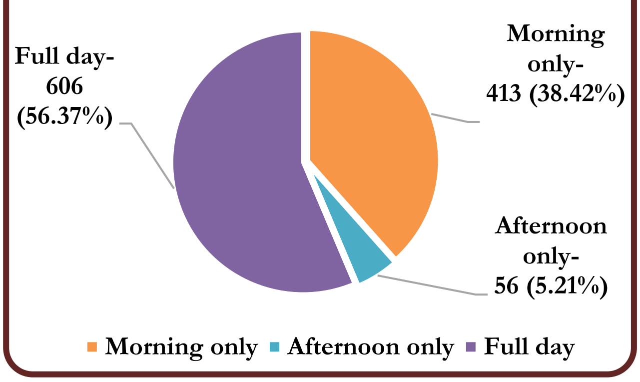
Chart No. 3.4: Business or working time of non-exclusive wholesale markets



3.3.2 Non-exclusive Retail

The operating hours of non-exclusive retail markets also exhibit considerable variation across the state. Out of a total of 1,075 retail markets, 606 (56.37%) operate throughout the entire day. Additionally, 38.42% of the markets are open exclusively in the morning, while only 5.21% function in the afternoon. The detail in this regard is seen in **Chart No. 3.5** below. District level analysis shows that many retail markets

Chart No. 3.5: Business or working time of non-exclusive retail markets



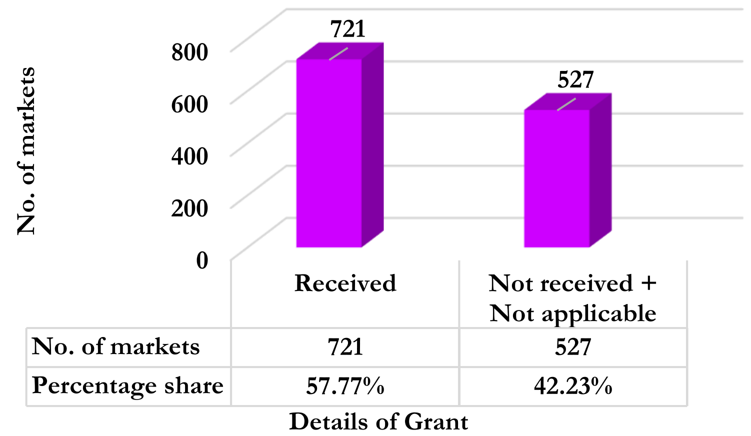
operate throughout the day, while morning only operations remain prevalent. Further details are available in **Annexure Table No. 8.1 (Page 137)**.

3.4 Financial Assistance

The survey collected data on financial assistance provided to markets for various purposes such as construction, renovation, maintenance, and the implementation of safety, hygiene, and sanitation measures. This support, facilitated through grants from Local Self Government Institutions (LSGIs) as well as State and Central governments, highlights the government's active role in strengthening the agricultural sector.

Of the 1,248 markets, 721 (57.77%) markets received grants, while 527 (42.23%) markets did not receive any financial assistance or classified as 'not applicable' indicating that they may not have been eligible for such grants. For further details, please refer to **Chart No. 3.6** below.

Chart No. 3.6: Grants received by markets



The district wise distribution of markets that received grants is provided in **Annexure Table No. 9 (Page 138)**.

3.4.1 Financial Assistance to Exclusive Category Markets

This section provides a detailed analysis of the financial assistance received by an exclusive category of markets such as exclusive wholesale, exclusive retail, and both wholesale and retail. The relevant data is provided in **Table No. 3.4** and illustrated in **Chart No. 3.7** below.

3.4.1.1 Exclusive Wholesale

Out of a total of 173 exclusive wholesale markets, 95 (54.91%) markets received financial assistance. Additionally, 78 (45.09%) were classified as not received or not applicable, indicating that financial assistance was either deemed irrelevant or not assessed in these instances.

3.4.1.2 Exclusive Retail

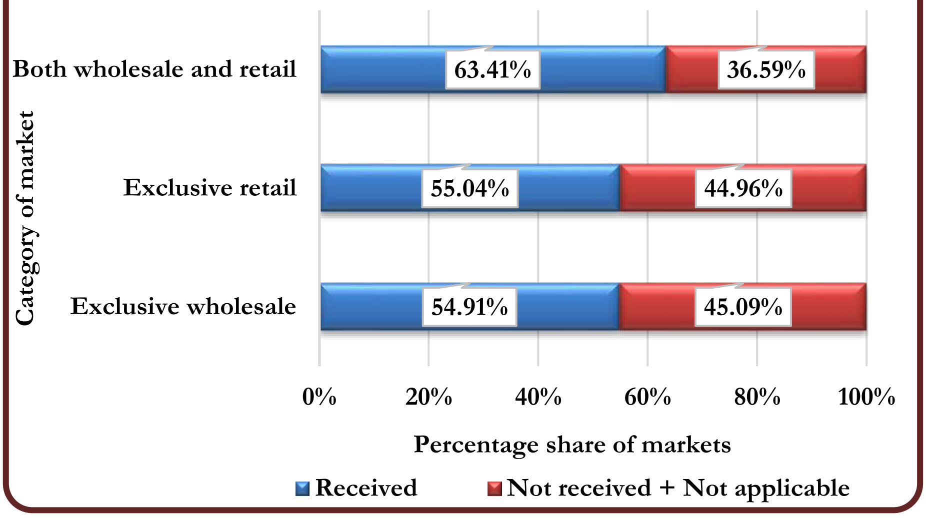
Of the 665 exclusive retail markets surveyed, 366 (55.04%) markets received grants from local, state, or central government sources. The remaining 299 (44.96%) were classified as not received or not applicable.

3.4.1.3 Both Wholesale and Retail

Among the 410 markets that function as both wholesale and retail markets, 260 (63.41%) received financial assistance, while the remaining 150 (36.59%) were classified as either not received grant or not applicable category.

Table No. 3.4: Grant received by exclusive category markets				
Serial No.	Category of Market	No. of markets	Whether grant received or not?	
			Received	Not received + Not applicable
(a)	(b)	(c)	(d)	(e)
1	Exclusive wholesale	173	95	78
2	Exclusive retail	665	366	299
3	Both wholesale and retail	410	260	150
Total		1248	721	527

Chart No. 3.7: Details exclusive markets received grant



The district wise distribution of markets received financial assistance is detailed in **Annexure Table No. 9 (Page 138)**.

In conclusion, the operational characteristics of agricultural markets in Kerala highlight their diversity in commodities traded, frequency of operation, and working hours, reflecting the varied needs of consumers and producers across the state. The dominance of vegetable markets and the prevalence of integrated markets handling vegetables, fish, and meat underline their critical role in meeting the demand for essential perishable goods. The significant financial assistance provided to markets by government and local bodies underscores the importance of sustained investment in market infrastructure and operations. These findings emphasize the need for targeted interventions to enhance market accessibility, efficiency, and sustainability while adapting to the evolving demands of the agricultural sector in Kerala.

Chapter 4

Infrastructure Facilities

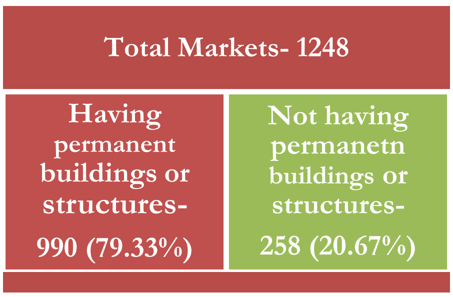
The expansion of shopping establishments, including malls, supermarkets and hyper markets, has been steadily increasing, driven by the preference of the younger generation for clean and well-organized shopping environments. This trend highlights the critical need for well-developed market infrastructure and hygienic premises. In the contemporary retail landscape, shopping has evolved beyond a mere transaction into an experience where consumers prioritize high-quality products at competitive prices in hygienic and well-maintained settings.

In this context, the present survey evaluates the infrastructural conditions of the surveyed markets to determine whether they meet essential standards. The survey covered 1,248 markets, examining various physical infrastructure components, including permanent buildings, temporary stalls, open spaces, information counters, compound walls, parking facilities, disabled-friendly spaces, electronic weighbridges, price information boards, cold storage, ripening chambers, and cooling solutions like zero-energy or solar-powered chambers. Additionally, the survey considered the proximity of warehouses for storage. The following detailed analysis provides a comprehensive overview of the infrastructure available across the markets surveyed.

4.1 Infrastructure Facilities in All Markets

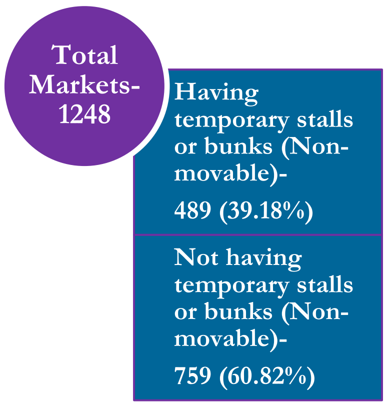
4.1.1 Permanent Buildings or Structures

Out of the 1,248 markets surveyed, 990 (79.33%) have permanent buildings. At the district level, Thiruvananthapuram has the highest number, with 183 markets (18.48%) featuring permanent structures, followed by Kollam with 151 markets (15.25%). Most districts exhibit a substantial proportion of markets with permanent buildings.

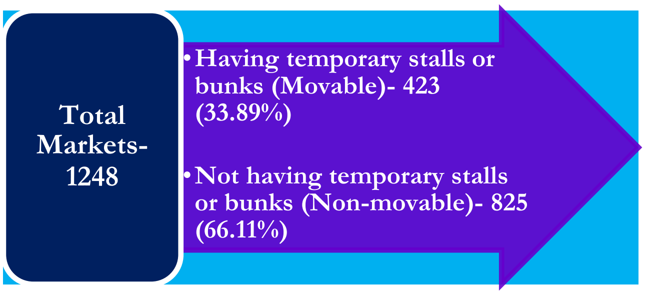


4.1.2 Temporary Stalls or Bunks for Trade (Non-Movable)

Of the 1,248 markets surveyed across the state, 489 (39.18%) feature non-movable temporary stalls or bunks for trade. Thiruvananthapuram records the highest number, with 119 markets (24.34%), followed closely by Kollam, which accounts for 113 markets (23.11%). Districts such as Pathanamthitta, Alappuzha, and Ernakulam also report a substantial presence of these stalls. In contrast, Kasaragod and Kozhikode have the fewest, with only 2 (0.41%) and 5 (1.02%) markets, respectively.

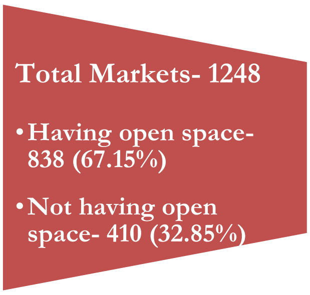


4.1.3 Temporary Stalls or Bunks for Trade (Movable)



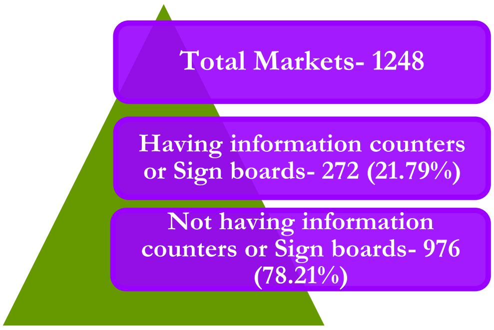
Among the 1,248 markets surveyed, 423 (33.89%) feature movable temporary stalls or bunks. At the district level, Thiruvananthapuram and Kollam account for the highest shares, with 136 (32.15%) and 107 (25.30%) of the state's total, respectively. In contrast, districts such as Idukki, Palakkad, Kozhikode and Kasaragod have significantly fewer markets with movable stalls.

4.1.4 Open Space



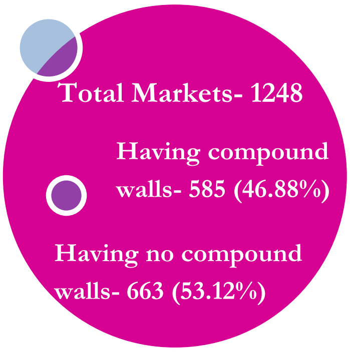
Of the total markets surveyed, 838 (67.15%) have specified open spaces for trading. At the district level, Thiruvananthapuram reports the highest number, with 203 markets (24.22%) featuring open spaces, followed by Kollam with 153 (18.26%) and Alappuzha with 90 (10.74%). In contrast, districts such as Kottayam and Wayanad have relatively fewer markets with open spaces, accounting for only 37 (4.42%) and 11 (1.31%), respectively.

4.1.5 Information Counters or Sign Boards



Among the 1,248 markets surveyed, only 272 (21.79%) are equipped with information counters or signboards. At the district level, Thiruvananthapuram has the highest number, with 60 markets (22.06%), followed by Ernakulam with 46 (16.91%) and Kollam and Pathanamthitta with each 22 (8.09%). Conversely, several districts, including Idukki, Thrissur, Palakkad, Malappuram, Kozhikode and Kasaragod, report significantly lower numbers, highlighting a considerable gap in this aspect of market infrastructure.

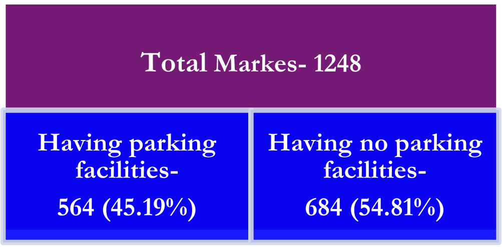
4.1.6 Compound Walls



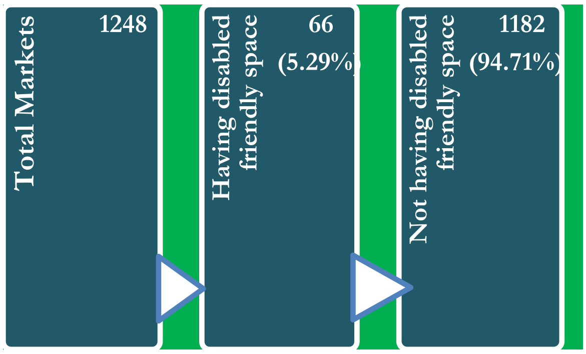
Out of the 1,248 markets surveyed, 585 (46.88%) markets have compound walls. Among the districts, Thiruvananthapuram has the highest number, with 176 markets (30.09%), followed by Kollam with 107 (18.29%) and Ernakulam with 81 (13.85%) markets. In contrast, Malappuram, Kannur, and Kasaragod report lower availability of this infrastructure. In the remaining districts, the proportion of markets with compound walls ranges from 2% to 7%.

4.1.7 Parking Facilities

Out of the total markets surveyed, 564 (45.19%) provide parking facilities. Among the districts, Thiruvananthapuram has the highest number of markets with parking spaces (95, 16.84%), followed by Ernakulam, Kollam, and Alappuzha. In contrast, districts such as Kozhikode, Kasaragod, and Palakkad have relatively fewer markets with parking facilities.



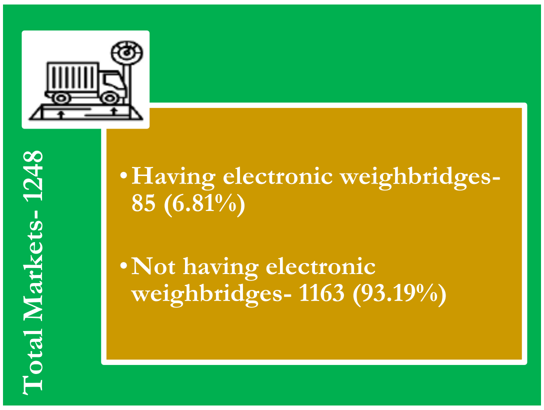
4.1.8 Disabled Friendly Space



Of the 1,248 markets surveyed, only 66 (5.29%) have provisions for disabled-friendly spaces. Among the districts, Ernakulam has the highest number, with 16 markets (24.24%), followed by Kollam with 11 (16.67%) and Thiruvananthapuram with 9 (13.64%). In contrast, districts such as Kozhikode, Kottayam, Idukki, and Thrissur have minimal facilities.

4.1.9 Electronic Weighbridges

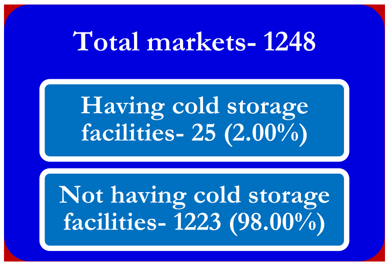
Of the 1,248 markets surveyed, only 85 (6.81%) have access to an electronic weighbridge in their vicinity. Kollam has the highest number, with 30 markets (35.29%) equipped with this infrastructure, followed by Thiruvananthapuram with 10 markets (11.76%). In Palakkad, 9 markets (10.59%) have access to electronic weighbridges. Several districts, including Kottayam and Idukki, lack such facilities in their proximity.



4.1.10 Price Information Boards

Among the 1,248 markets surveyed, price information boards are available in 521 (41.75%) markets. At the district level, Kottayam has the highest share, with 77 markets (14.78%) equipped with this facility, followed by Thiruvananthapuram with 72 (13.82%) and Ernakulam with 57 (10.94%). In contrast, Kozhikode (11 markets, 2.11%) and Kasaragod (8 markets, 1.54%) have the lowest availability. The remaining districts have varying shares between 2% and 10%.

4.1.11 Cold Storage Facilities

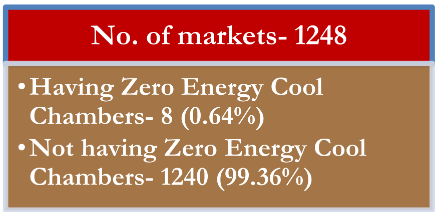


Of the markets surveyed, only 25 (2.00%) across the state have cold storage facilities. Of the districts, Thiruvananthapuram and Ernakulam each account for six markets (0.48%) with such facilities, while districts like Pathanamthitta, Idukki, Kozhikode, and Kasaragod lack them entirely in terms of the state's overall share. However, it is important to note that cold storage may not be a necessity for all types of markets, and its relevance should be evaluated accordingly.

4.1.12 Ripening Chambers

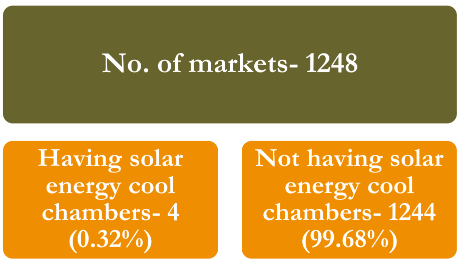
Out of the 1,248 markets surveyed, ripening chambers are available in only 35 (2.80%). Among the districts, Thiruvananthapuram has the highest number, with 9 (0.72%), followed by Kannur with 7 (0.56%) of the total. Markets in Pathanamthitta and Alappuzha lack such facilities. However, the necessity of ripening chambers varies depending on the type of market, and their availability should be evaluated accordingly.

4.1.13 Zero Energy Cool Chambers



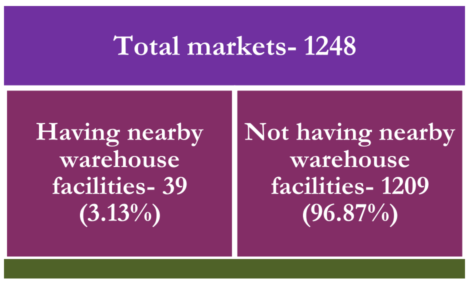
Of the total markets surveyed, only 8 (0.64%) are equipped with zero energy cool chambers. These chambers are sparsely distributed across districts, with limited adoption in most areas. However, this facility may not be essential for all types of markets.

4.1.14 Solar Energy Cool Chambers



Among the markets surveyed, only 4 (0.32%) have solar energy cool chambers. District level data shows that Thiruvananthapuram has two such facilities, while Malappuram and Wayanad each have one. The adoption of sustainable cooling technology remains limited; however, this facility is not essential for all types of markets.

4.1.15 Associated Warehouses



Among the markets surveyed, traders in 39 markets (3.13%) utilized nearby warehouse facilities. Of these, 7 markets (17.95%) were in Kottayam and Thiruvananthapuram each, while 6 markets (15.38%) were in Pathanamthitta. In contrast, traders in Alappuzha, Thrissur, and Kozhikode did not utilize nearby warehouse facilities.

In addition to the standard infrastructure mentioned earlier, markets in the districts of Pathanamthitta, Kottayam, Idukki, Ernakulam, Thrissur, Palakkad, Kozhikode, and Wayanad reported the presence of additional facilities. These include aerobic compost plants, ramps, storage units constructed from earth bricks, provisions for water and electricity for livestock, biogas plants, inverters, waste disposal systems, compost pits, copra dryers, expellers, and comprehensive waste management systems. Furthermore, during the survey period, ongoing construction and renovation activities were observed in several markets across various districts. District wise information on the infrastructural facilities is provided in **Annexure Table No. 10 (Page 139)**.

4.2 Infrastructure Facilities of Exclusive Category Markets

The analysis of infrastructure facilities in the surveyed markets is categorized into three main groups: exclusive wholesale, exclusive retail, and both wholesale and retail. This assessment highlights significant disparities in infrastructure availability across these categories, as detailed in the following sections.

4.2.1 Exclusive Wholesale

Of the 173 wholesale markets surveyed, 152 (87.86%) have permanent buildings, while 132 (76.30%) include open spaces for trading activities. Additionally, 111 markets (64.16%) are enclosed by compound walls. However, only 107 markets (61.85%) provide parking facilities, and just 26 (15.03%) have electronic weighbridges in proximity. Cold storage facilities are available in only three markets (1.7%), while ripening chambers are present in four markets (2.31%). For further details, refer to **Chart No. 4.1**.

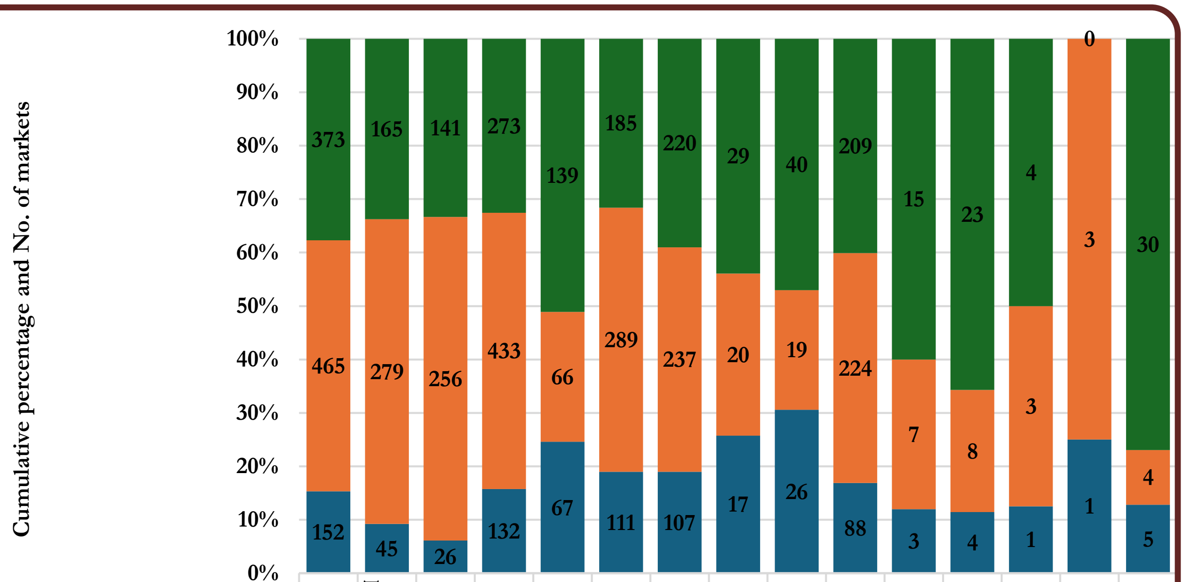
4.2.2 Exclusive Retail

Out of the 665 retail markets surveyed, a lower proportion have permanent buildings, with only 465 (69.92%) featuring such structures. Parking facilities are available in 237 markets (35.64%), while electronic weighbridges are present in 19 markets (2.86%). Information counters are available in 66 markets (9.92%), and price information boards are installed in 224 markets (33.68%). Cold storage facilities are present in only 7 markets (1.05%), and ripening chambers are available in just 8 markets (1.20%). Further details are provided in **Chart No. 4.1**.

4.2.3 Both Wholesale and Retail

Among the 410 markets that function as both wholesale and retail centers, infrastructure quality is generally superior compared to standalone markets. Of these, 373 markets (90.98%) have permanent buildings, while 220 (53.66%) offer parking facilities. Information counters are available in 139 markets (33.90%), and price information boards are present in 209 markets (50.98%). However, only 40 markets (9.76%) have electronic weighbridges nearby, and cold storage facilities are available in 15 markets (3.66%). Additionally, 23 markets (5.61%) are equipped with ripening chambers to preserve perishable goods. Further details are provided in **Chart No. 4.1**.

Chart No. 4.1: Infrastructure facilities in exclusive category markets



	Permanent buildings	Temporary stalls/bunks not to be moved	Temporary stalls/bunks to be moved	Open space	Information counter/Sign board	Compound wall	Parking	Disabled friendly space	Electronic weigh bridge	Price information board	Cold Storage	Ripening Chamber	Zero energy cool chamber	Solar energy cool chamber	Associated warehouses
Both wholesale and retail	373	165	141	273	139	185	220	29	40	209	15	23	4	0	30
Exclusive retail	465	279	256	433	66	289	237	20	19	224	7	8	3	3	4
Exclusive wholesale	152	45	26	132	67	111	107	17	26	88	3	4	1	1	5

Type of facility

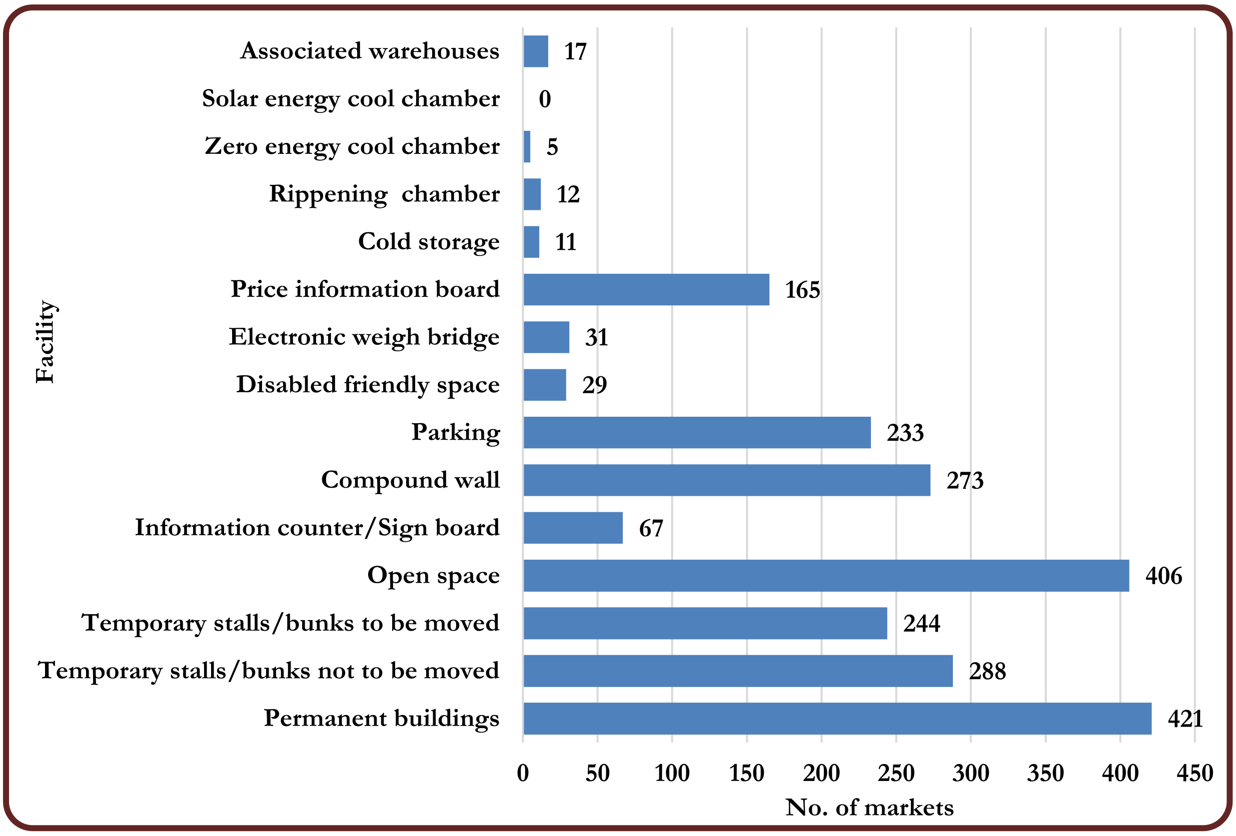
The district wise details of infrastructure facilities available in exclusive category markets are presented in **Annexure Table Nos. 10.1 to 10.3 (Page 140-142)**.

4.3 Infrastructure Facilities of LSGI markets

The analysis of 487 local body owned markets also highlight the distribution of various infrastructure facilities. A significant majority (86.45%) have permanent buildings, ensuring structural stability, while 83.37% provide open spaces for trading. Temporary stalls, both movable (50.10%) and immovable (59.14%), are also prevalent. Security measures, such as compound walls, are present in 56.06% of markets. However, information dissemination remains limited, with only 13.76% of markets featuring signboards or information counters, and price information boards available in just 33.88%. Infrastructure supporting trade efficiency, such as electronic weighbridges in its proximity (6.37%) and cold storage facilities (2.26%), is scarce. Similarly, ripening chambers (2.46%) and warehouses used by traders for storage (3.49%) is minimal. Parking facilities, present in 47.84% of markets, provide moderate convenience for traders and consumers. Overall, while basic infrastructure is well-established, the limited availability of advanced facilities and accessibility features indicates the need for further investment. The details are presented in **Table No. 4.1** and **Chart No. 4.2** below.

Table No. 4.1: Infrastructure facilities in LSGIs owned markets			
Serial No.	Facility	No. of markets	% of markets with the specific facility
1	Permanent buildings	421	86.45%
2	Temporary stalls/bunks not to be moved	288	59.14%
3	Temporary stalls/bunks to be moved	244	50.10%
4	Open space	406	83.37%
5	Information counter/Sign board	67	13.76%
6	Compound wall	273	56.06%
7	Parking	233	47.84%
8	Disabled friendly space	29	5.95%
9	Electronic weigh bridge	31	6.37%
10	Price information board	165	33.88%
11	Cold Storage	11	2.26%
12	Ripening Chamber	12	2.46%
13	Zero energy cool chamber	5	1.03%
14	Solar energy cool chamber	0	0.00%
15	Associated warehouses	17	3.49%
Total LSGIs owned markets		487	

Chart No. 4.2: Infrastructure facilities in LSGIs owned markets



The district wise distribution of local body owned markets with specific infrastructure facilities is presented in **Annexure Table No. 10.4 (Page 143)**.

4.4 Nearby Warehouses

As discussed in **Sub-section 4.1.15**, traders in 39 markets utilize services from warehouses located near these markets. In addition to market level data, the survey also collected information on warehouses used by traders for commodity storage. Since multiple traders from different markets often rely on the same warehouses, there exists a complex mapping of one-to-many and many-to-one relationships between markets and associated storage facilities. This section focuses exclusively on warehouses accessed by wholesale traders, excluding privately used godowns. Only warehouses or storage facilities that serve multiple traders or farmers as public resources were considered. The findings are presented in detail below.

4.4.1 Warehouses Utilized

The survey identified 36 warehouses utilized by traders in the surveyed markets. Of these, 30 (83.33%) are government operated, while 4 (11.11%) are managed by cooperatives. Additionally, one private warehouse and one bonded warehouse were recorded, each comprising 2.78% of the total. Detailed information is provided in **Annexure Table No.10.5 (Page 144)**.

4.4.2 Ownership

Among the 36 warehouses surveyed, 24 (66.67%) are operated by the State Warehousing Corporation, while 3 (8.33%) are managed by the Central Warehousing Corporation. Cooperative societies own 4 warehouses (11.11%), whereas 1 (2.78%) under individual ownership. Additionally, one warehouse is managed by port or airport authorities. These findings are detailed in **Annexure Table No. 10.5 (Page 144)**.

4.4.3 Commodity Wise Warehouses

Of the 36 warehouses reported by traders, 30 (83.33%) are general purpose units, while 3 (8.33%) are cold storage units, and the remaining 3 (8.33%) are specified for specific commodities. Further details are provided in **Annexure Table No. 10.5 (Page 144)**.

4.4.4 Storage Facility for Commodity Groups

The survey collected data on warehouse storage facilities for various commodity groups, including grains, spices, tubers, plantation crops, tobacco products, dairy products, vegetables, fruits, fish, eggs, and meat. These details are presented in **Annexure Table No. 10.6 (Page 145)**.

4.4.5 Infrastructure Facilities

The infrastructure of 36 warehouses was evaluated based on essential facilities, including storage provisions for perishable and high value items, protection against moisture, dust, and rain, as well as the availability of parking spaces, electronic weighbridges, canopy roofing, internal roads, and truck access. Furthermore, the assessment considered the presence of loading and unloading workers, skilled labour, conveyor belts, and forklifts. Detailed findings are provided in **Annexure Table No. 10.6 (Page 145)**.

4.4.6 Service Facilities

The operations of 36 warehouses were analyzed based on the range of services they provide, including storage, protection, risk management, financing, processing, grading, branding, mixing, packing, and transportation. A detailed breakdown of these services is provided in **Annexure Table No. 10.7 (Page 146)**.

4.4.7 Safety Measures

The surveyed warehouses were assessed for the availability of security or safety measures, including CCTV, alarms, fencing, firefighting equipment, and security. Details are presented in **Annexure Table No. 10.7 (Page 146)**.

In conclusion, the survey highlights significant disparities in infrastructure across agricultural markets in Kerala, reflecting both strengths and areas for improvement. While most markets have basic facilities such as permanent buildings and open spaces, the availability of advanced infrastructure like cold storage, parking facilities, ripening chambers, and nearby electronic weighbridges remains limited. The underrepresentation of accessibility features, such as disabled friendly spaces, and sustainable technologies like solar powered cooling chambers, underscores the need for targeted investment to modernize market infrastructure. By prioritizing enhancements in storage, transportation, and accessibility, Kerala's markets can better support the agricultural sector and adapt to the evolving needs of consumers and traders.

Chapter 5

Service Amenities

In modern market environments, customer-friendly services play a crucial role in ensuring a smooth shopping experience. As consumer expectations continue to evolve, markets must adapt by offering amenities that enhance convenience and satisfaction. Cleanliness and effective service management are especially important in agricultural markets, where hygiene directly influences food quality and consumer trust. Providing essential services not only meets immediate consumer needs but also improves the overall functionality of markets. This chapter presents an analysis of the availability of various services amenities and cleanliness management across the surveyed markets. The services examined include office rooms, information centres, internal roads, ATMs, drinking water, canteens, CCTV surveillance, public toilets, cattle resting areas, water treatment systems, drainage facilities, and market cleaning staff. Some of these facilities are available within the market premises, others- such as ATMs, Canteen, Public toilets- are often located nearby.

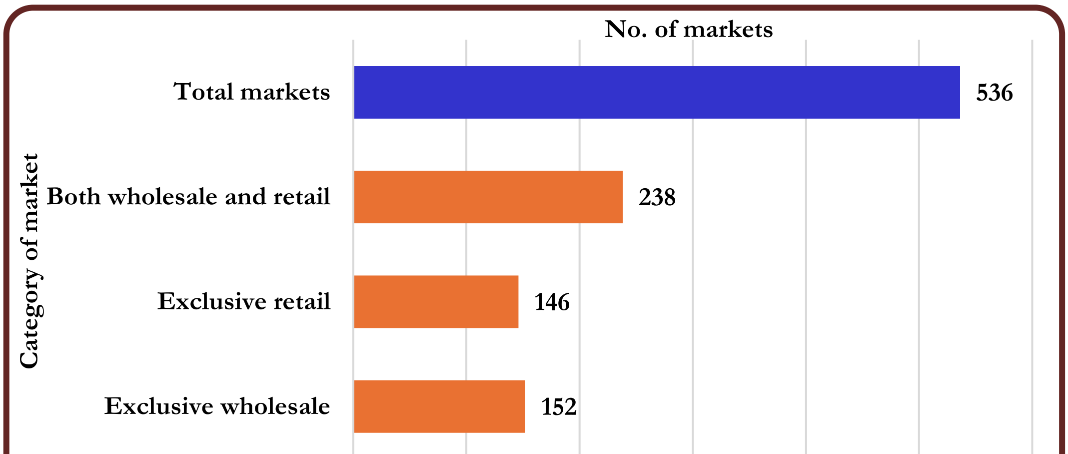
5.1 Service Amenities in All Markets and Exclusive Category Markets

The analysis of service amenities is conducted across market categories, including exclusive wholesale markets, exclusive retail markets, and both wholesale and retail markets. In addition, a detailed evaluation encompassing all markets is undertaken. The detailed findings are given below.

5.1.1 Office Room

Out of the 1,248 markets, only 536 (42.95%) are equipped with office rooms. Of these, 152 (28.36%) are exclusive wholesale markets, 146 (27.24%) are exclusive retail markets, and the rest 238 (44.40%) are both wholesale and retail. The details are provided in **Chart No. 5.1**.

Chart No. 5.1: Markets with office room facility



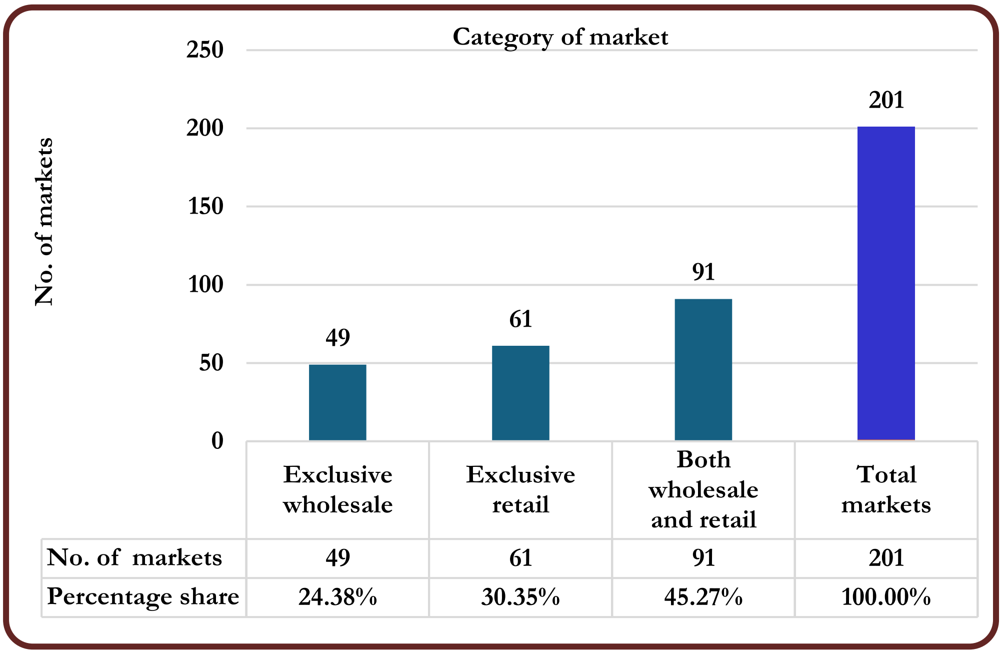
	Exclusive wholesale	Exclusive retail	Both wholesale and retail	Total markets
No. of markets	152	146	238	536
Percentage share	28.36%	27.24%	44.40%	100.00%

District level data reveals that Thiruvananthapuram leads with 75 markets having office rooms, followed by Ernakulam (71), Kollam (62), Kottayam (56), and Thrissur (54) in all markets. However, districts like Kasargod, Kannur and Malappuram report significantly fewer markets with office rooms facilities.

5.1.2 Market Information Centre

Among the total 1248 markets surveyed, only 201 (16.11%) markets have market information centres. These include 49 (24.38%) exclusive wholesale markets, 61 (30.35%) exclusive retail markets, and 91 (45.27%) are both wholesale and retail markets. The details are provided in **Chart No. 5.2**.

Chart No. 5.2: Markets with market information centres



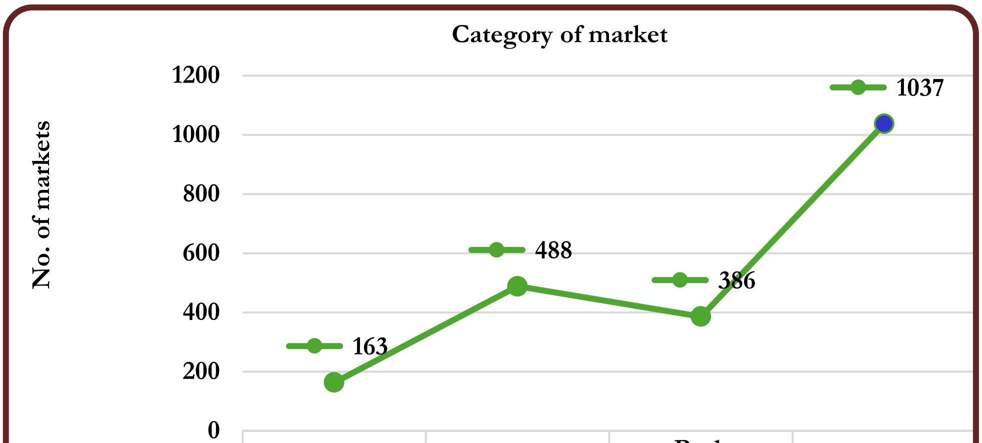
District wise analysis shows that Thiruvananthapuram leads with 43 markets that has information centre, followed by Ernakulam (34) and Kollam (23). Pathanamthitta, Alappuzha and Wayanad have a higher proportion of information centres relative to their total number of markets. VFPCK markets hold a major share of information centres. The overall picture shows that the public, especially newcomers, struggle to obtain information related to market activities.

5.1.3 Electricity

The availability of electricity is relatively high among the markets surveyed with 1,037 (83.09%) markets having access. Among these, 163 (15.72%) are exclusive wholesale markets, 488 (47.06%) are exclusive retail markets, and 386 (37.22%) are both wholesale and retail markets.

District level data shows that Kottayam, Alappuzha, and Ernakulam exhibit almost universal coverage, while districts like Kozhikode, Malappuram, and Kasargod report lower percentages. Although Thiruvananthapuram has the highest number of markets overall, its electrification rate (66.38%) is comparatively lower. The details are provided in **Chart No. 5.3**.

Chart No. 5.3: Markets with electricity

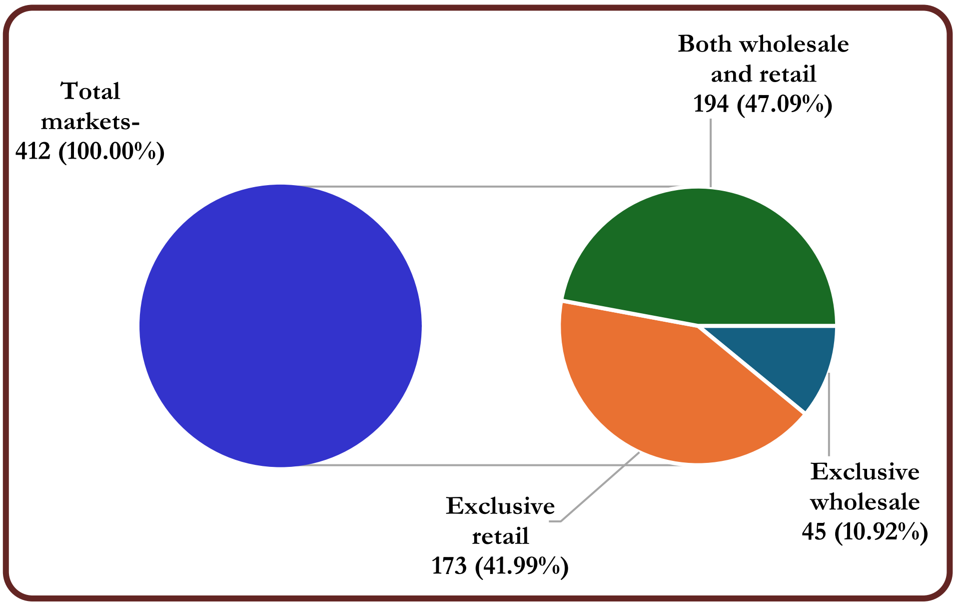


	Exclusive wholesale	Exclusive retail	Both wholesale and retail	Total markets
No. of markets	163	488	386	1037
Percentage share	15.72%	47.06%	37.22%	100.00%

5.1.4 Internal Roads

Out of the total of 1248 markets, only 412 (33.01%) have internal road infrastructure, including 45 (10.92%) exclusive wholesale markets, 173 (41.99%) exclusive retail markets, and 194 (47.09%) both wholesale and retail markets. At the district level, Thiruvananthapuram (73) and Kollam (59) lead in this category, while Thrissur, Kozhikode and Kasargod report significantly fewer markets with internal road infrastructure. The details are provided in **Chart No. 5.4**.

Chart No. 5.4: Markets with internal roads

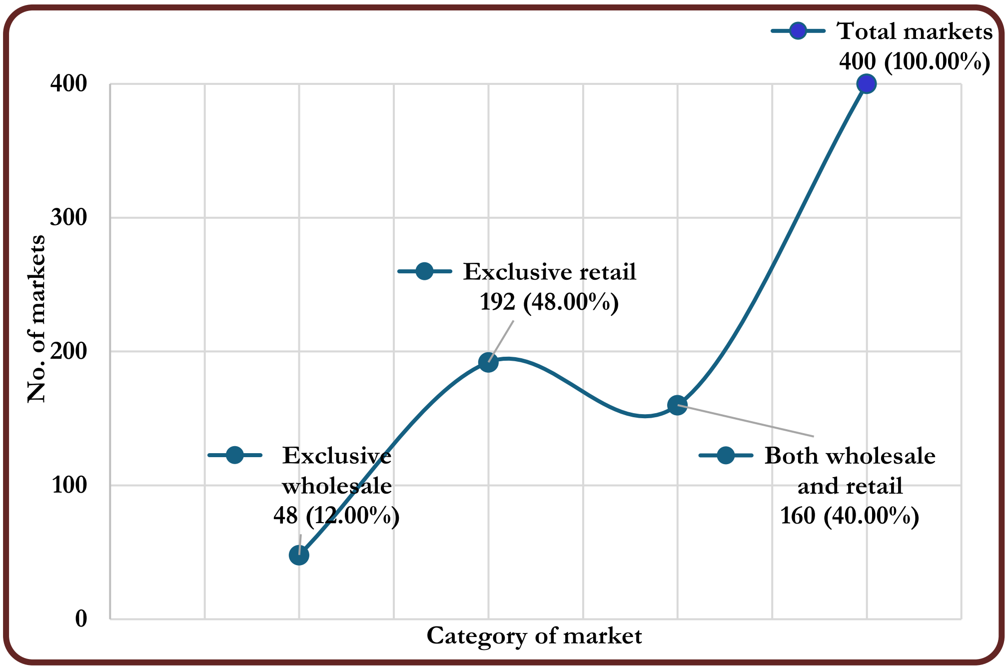


5.1.5 ATMs

Out of the 1,248 markets, 400 (32.05%) have ATMs in close proximity. This includes 48 (12.00%) exclusive wholesale markets, 192 (48.00%) exclusive retail markets, and 160 (40.00%)

both wholesale and retail markets. District level analysis shows that Thiruvananthapuram, Ernakulam, and Kollam, reported the highest availability of ATMs, while Kasargod and Kozhikode have fewer markets equipped with this service nearby. The details are provided in **Chart No. 5.5**.

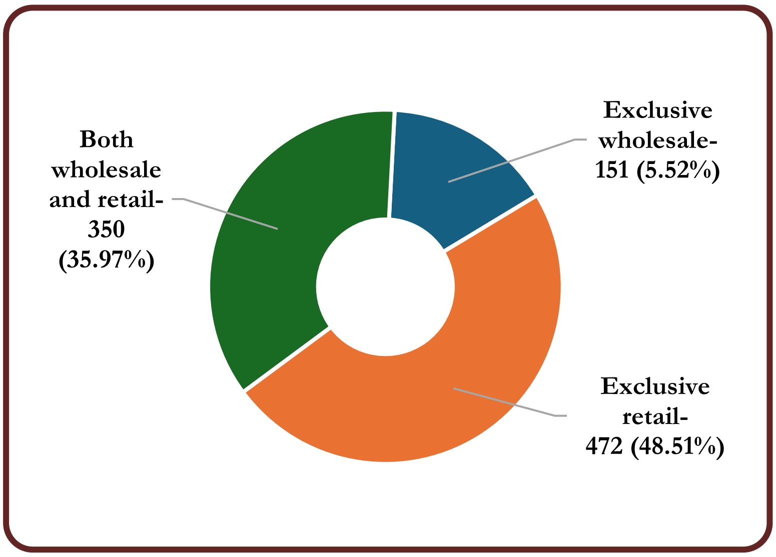
Chart No. 5.5: Markets with ATM facility



5.1.6 Drinking Water

Among the total 1248 markets, 973 (77.96%) provide drinking water facilities, including 151 (15.52%) exclusive wholesale markets, 472 (48.51%) retail markets, and 350 (35.97%) both wholesale and retail markets. District level data reveals that Ernakulam and Wayanad show nearly complete coverage, whereas Kasargod and Kozhikode lag behind in providing the basic amenity. The details are provided in **Chart No. 5.6**.

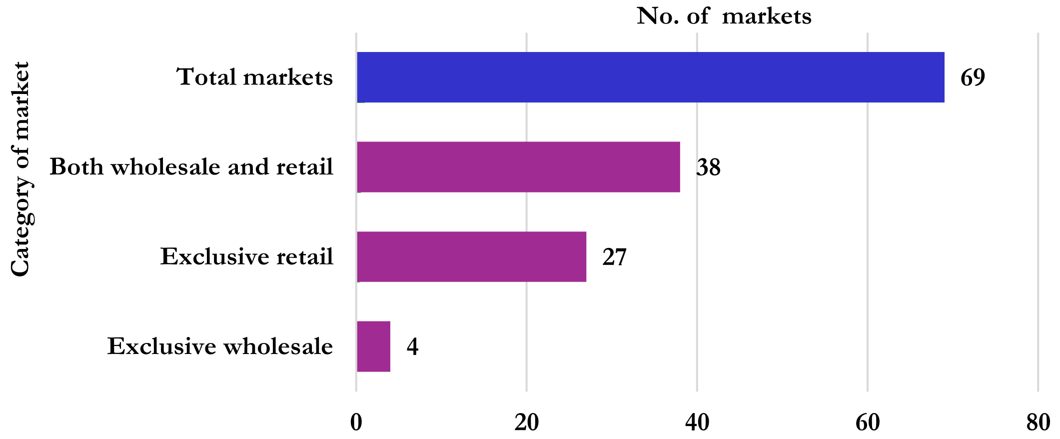
Chart No. 5.6: Markets with drinking water facility



5.1.7 Canteens

Of the 1248 markets, canteen facilities are available in only 69 (5.53%) markets, including 4 (5.80%) exclusive wholesale markets, 27 (39.13%) exclusive retail markets, and 38 (55.07%) both wholesale and retail markets. District level data shows that Thiruvananthapuram and Wayanad both have 12 markets offering this service on the premises, while Malappuram has none, and most other districts have a minimal presence. The details are provided in **Chart No. 5.7**.

Chart No. 5.7: Markets with canteen facility

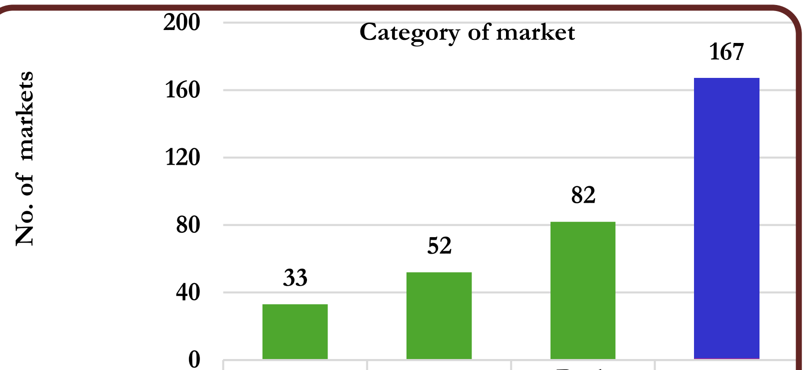


	Exclusive wholesale	Exclusive retail	Both wholesale and retail	Total markets
No. of markets	4	27	38	69
Percentage share	5.80%	39.13%	55.07%	100.00%

5.1.8 CCTV

Among the total of 1248 markets, only 167 (13.38%) are equipped with CCTV cameras. These include 33 (19.76%) exclusive wholesale markets, 52 (31.14%) exclusive retail markets, and 82 (49.10%) both wholesale and retail markets. The details are provided in **Chart No. 5.8**.

Chart No. 5.8: Markets with CCTV facility



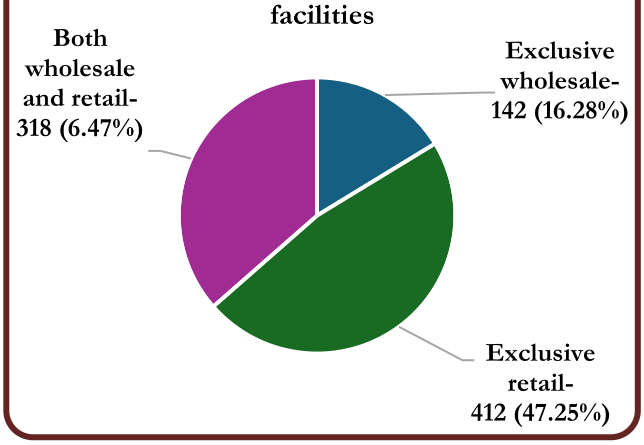
	Exclusive wholesale	Exclusive retail	Both wholesale and retail	Total markets
No. of markets	33	52	82	167
Percentage share	19.76%	31.14%	49.10%	100.00%

District wise data shows that Ernakulam (36) and Wayanad (23) report higher adoption of CCTV systems, while Thiruvananthapuram and Kozhikode have lower levels of surveillance infrastructure.

5.1.9 Toilets

Out of the total of 1248 markets, public toilets are available in the vicinity of 872 (69.87%) markets, including 142 (16.28%) exclusive wholesale markets, 412 (47.25%) exclusive retail markets, and 318 (36.47%) both wholesale and retail markets. District level data indicates that Thiruvananthapuram leads with 184 markets offering toilet facilities, followed by Kollam (131) and Ernakulam (110). However, districts such as Kasargod and Kottayam have lower sanitation infrastructure. The details are provided in **Chart No. 5.9**.

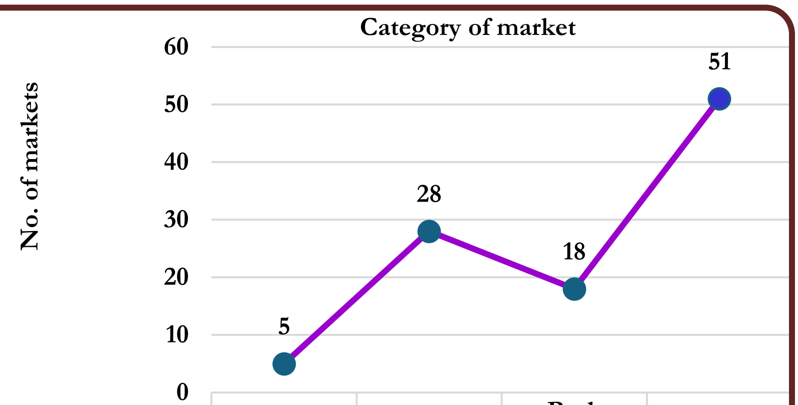
Chart No. 5.9: Markets with toilet facilities



5.1.10 Cattle Resting Places

In all 1248 markets, only 51 markets (4.09%) have specified areas for cattle. This includes 5 (9.80%) exclusive wholesale markets, 28 (54.90%) exclusive retail markets, and 18 (35.29%) both wholesale and retail markets. The details are provided in **Chart No. 5.10**.

Chart No. 5.10: Markets with cattle resting place



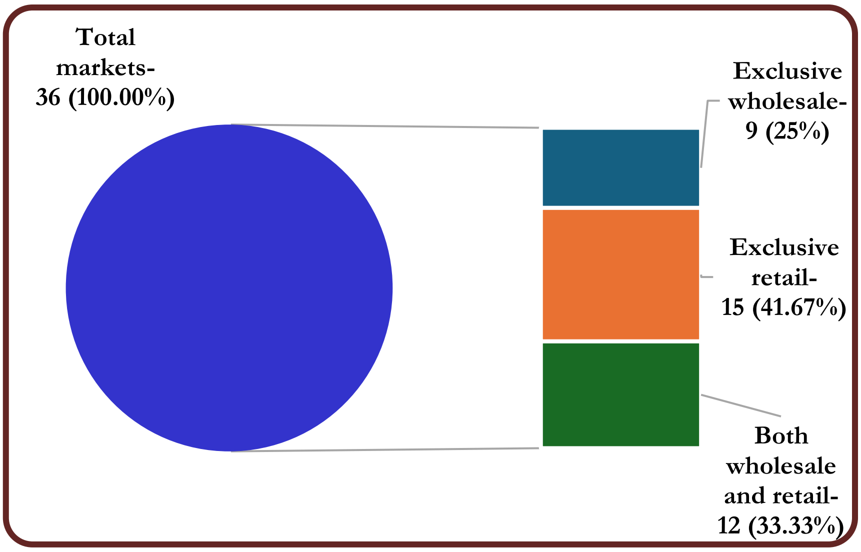
	Exclusive wholesale	Exclusive retail	Both wholesale and retail	Total markets
No. of markets	5	28	18	51
Percentage share	9.80%	54.90%	35.29%	100.00%

With regard to districts, Thiruvananthapuram leads with 12 markets offering such facilities, while other districts have a limited number, except Kasargod. Kasargod, which has none. However, it is important to note that this facility is required only for animal trading markets. Therefore, this aspect can be further examined from that perspective.

5.1.11 Waste Water Treatment

Out of the total 1248 markets, 36 (2.88%) markets are equipped with waste water treatment facilities, including 9 (25.00%) exclusive wholesale markets, 15 (41.67%) exclusive retail markets, and 12 (33.33%) both wholesale and retail markets. The details are provided in **Chart No. 5.11**. Among the districts, Thiruvananthapuram leads with 9 markets having such facilities and other districts have only a limited number.

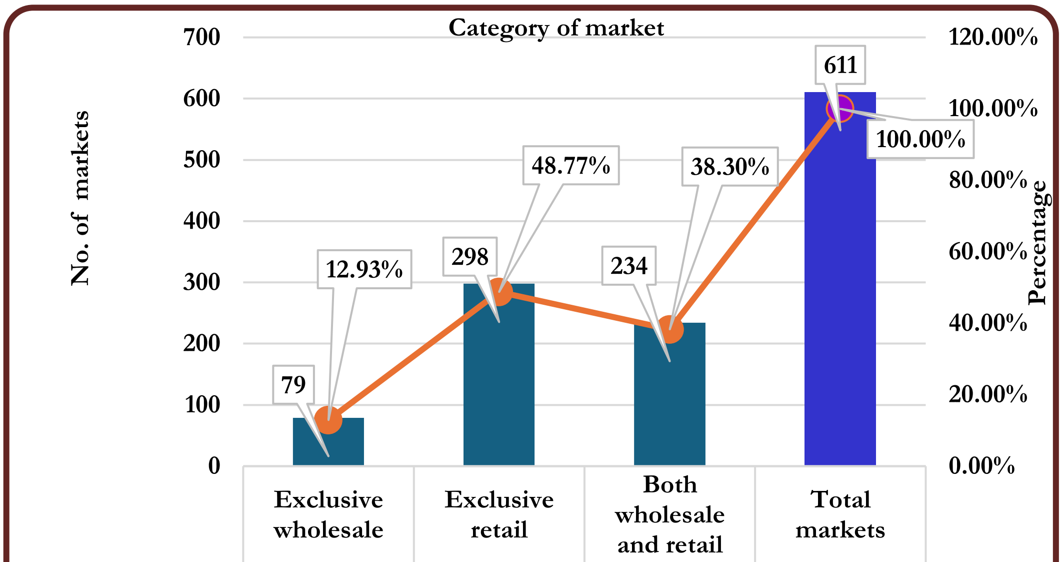
Chart No. 5.11: Markets with waste water treatment facility



5.1.12 Drainage Facility

Out of the total 1248 markets, 611 (48.96%) markets have drainage facilities. This includes 79 (12.93%) exclusive wholesale markets, 298 (48.77%) exclusive retail markets and 234 (38.30%) both wholesale and retail markets. The details are provided in **Chart No. 5.12**.

Chart No. 5.12: Markets with drainage facility



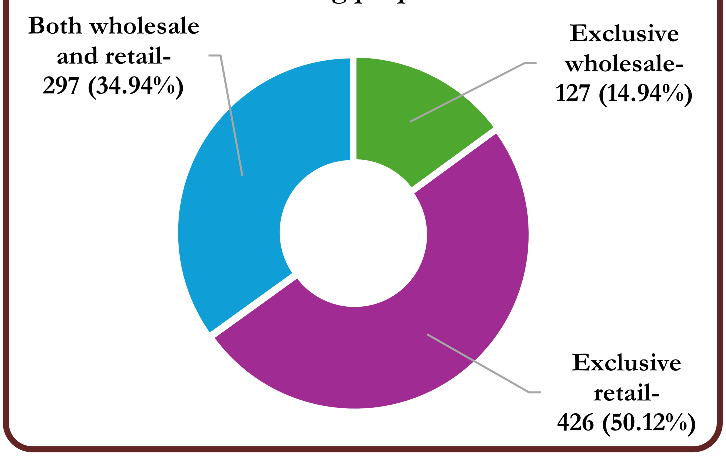
	Exclusive wholesale	Exclusive retail	Both wholesale and retail	Total markets
No. of markets	79	298	234	611
Percentage share	12.93%	48.77%	38.30%	100.00%

District level data shows that Thiruvananthapuram (128 markets), Kollam (97 markets) and Ernakulam (92 markets) have the highest coverage, while districts like Idukki, Kottayam, Kozhikode, Kasargod have limited number in infrastructure improvements for drainage management.

5.1.13 Water for Cleaning Purpose

Out of 1,248 markets, water for cleaning purposes is available in 850 (68.10%) markets. Among these, 127 (14.94%) are exclusive wholesale markets, 426 (50.12%) are exclusive retail markets and 297 (34.94%) are both wholesale and retail markets. District level analysis shows that Thiruvananthapuram leads with 166 markets, followed by Kollam (124) and Ernakulam (116). Kasargod has only 13 markets with access to water for cleaning purposes. The details are provided in **Chart No. 5.13**.

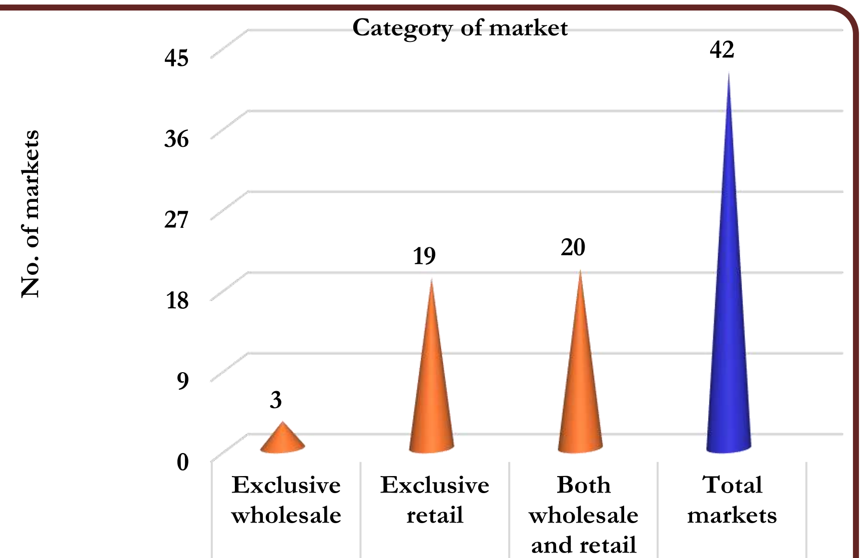
Chart No. 5.13: Markets with water for cleaning purpose



5.1.14 Biogas Plants

Of the total 1248 markets, only 42 (3.37%) have biogas plants. Among them, 3 (7.14%) are exclusive wholesale markets, 19 (45.24%) are exclusive retail markets and 20 (47.62%) are both wholesale and retail markets. District level analysis shows that Thiruvananthapuram has the highest number of biogas facilities (14), while most other districts have only a small number of markets with this facility. The details are provided in **Chart No. 5.14**.

Chart No. 5.14: Markets with biogas plants

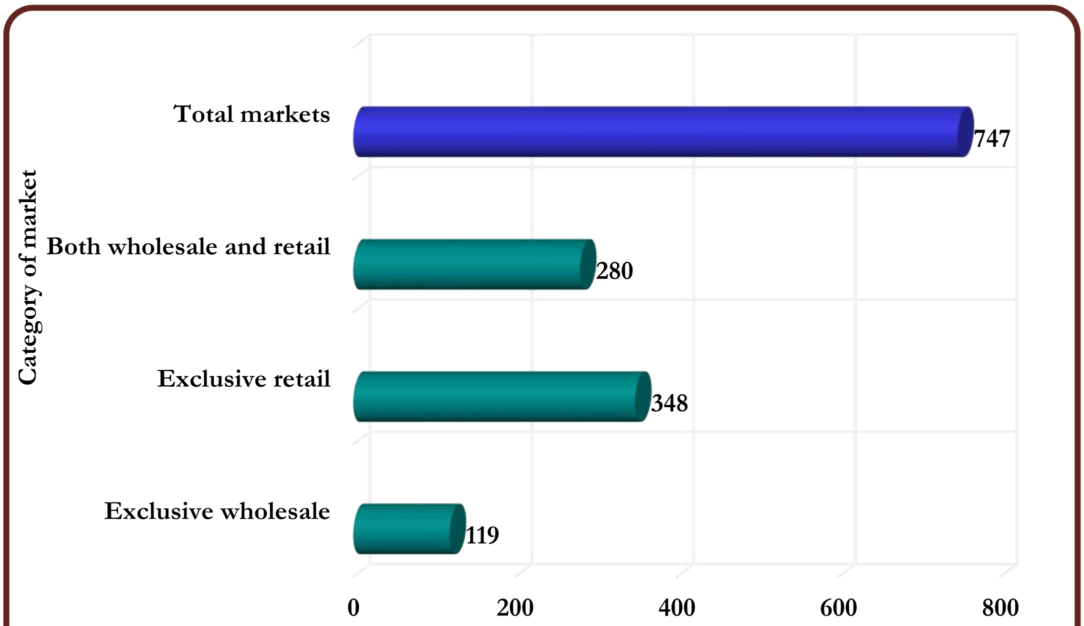


	Exclusive wholesale	Exclusive retail	Both wholesale and retail	Total markets
No. of markets	3	19	20	42
Percentage share	7.14%	45.24%	47.62%	100.00%

5.1.15 Market Cleaning Staff

Among the 1248 markets, a total of 747 (59.86%) have specified workers as cleaning staff. Of these, 119 (15.93%) are exclusive wholesale markets, 348 (46.59%) are excusive retail markets and 280 (37.48%) are both wholesale and retail markets. District level analysis shows that Thiruvananthapuram, Kollam, and Ernakulam lead in this aspect, while districts like Kasargod and Kozhikode have fewer markets with cleaning personnel for sanitation management. The details are provided in **Chart No. 5.15**.

Chart No. 5.15: Markets with cleaning staff



	Exclusive wholesale	Exclusive retail	Both wholesale and retail	Total markets
Percentage share	15.93%	46.59%	37.48%	100.00%
No. of markets	119	348	280	747

No. of markets

An examination of district level data shows that Thiruvananthapuram consistently leads in most service categories, reflecting a relatively advanced market infrastructure. However, in general, it does not fully meet the facilities required for present-day needs. On the other hand, districts like Kasaragod and Idukki show significant gaps in key services, highlighting areas where targeted interventions are needed. While many markets have access to essential amenities like electricity and drinking water, other areas, such as biogas production, wastewater treatment, and canteen availability, require further development efforts. However, some conclusions cannot be drawn, as certain service facilities may not be relevant for some markets depending on the items transacted, operational frequency and business hours. A detailed analysis of these aspects will not be carried out in this chapter. Detailed district-wise distribution of service amenities available in all markets are provided in **Annexure Table No. 11 (Page 147)**, while the details for exclusive category markets can be found in **Annexure Table Nos. 11.1 to 11.3 (Page 148-150)**.

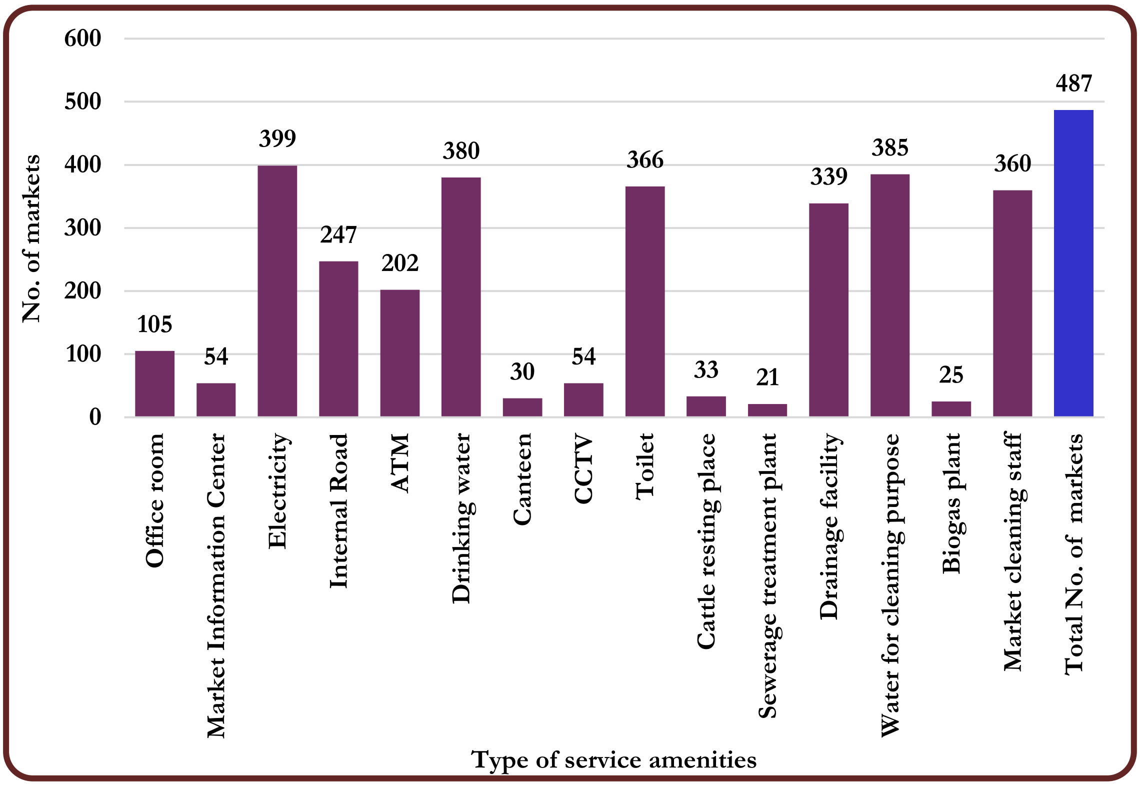
5.2 Other Amenities

In addition to the services amenities mentioned above, markets in eight districts- Thiruvananthapuram, Kollam, Kottayam, Ernakulam, Malappuram, Kozhikode, and Wayanad- also provide supplementary facilities. These include Aerobin facilities, motor generators, waste bins, plastic collection centres, waste-to-energy systems, bioelectricity generators, assistance for workers, conference halls, guest rooms, dormitories, and waste management systems operated by Kudumbashree.

5.3 Service Amenities in LSGIs Markets

The analysis of LSGI owned markets reveals significant disparities in the availability of essential service amenities. Among the 487 markets surveyed, electricity is the most commonly available facility (81.93%), followed by water for cleaning purposes (79.06%) and drinking water (78.03%). Sanitation facilities such as toilets (75.15%) and drainage systems (69.61%) are also widely available, though there is room for improvement. Market cleaning staff are present in 73.92% of the markets, ensuring hygiene and upkeep. However, key infrastructure elements, such as internal roads (50.72%) and ATMs in the near vicinity (41.48%), are available in only about half of the markets. Overall, while basic utilities like electricity and water are widely available, markets lack comprehensive infrastructure and support services, necessitating targeted improvements. The details in this regard are provided in **Chart No. 5.16** below.

Chart No. 5.16: LSGI owned markets with service amenities



The district wise distribution of LSGI owned markets by various service amenities is detailed in **Annexure Table No. 11.4 (Page 151)**.

In conclusion, the survey reveals notable disparities in the availability of service amenities across agricultural markets in Kerala. While essential facilities like electricity, drinking water, and public toilets are widely available, the provision of advanced amenities such as biogas plants, wastewater treatment systems, and canteens remain limited. Districts like Thiruvananthapuram lead in service coverage, reflecting relatively advanced infrastructure, whereas districts like Kasaragod and Idukki show significant gaps. The findings highlight the need for targeted investments to improve service amenities, ensuring that markets can meet modern consumer and trade expectations while enhancing their functionality and hygiene standards.

Chapter 6

Traders

The strength and longevity of public markets in the agricultural sector are significantly influenced by the participation of traders from various regions, including those from distant locations. These traders play a crucial role in linking different segments of the supply chain, which typically progresses from agricultural farmers to primary wholesalers, potentially through additional wholesalers/ intermediaries, before reaching terminal wholesalers. In some instances, the supply chain may directly connect farmers with retailers or final consumers. The volume of commodities entering markets is largely determined by the presence and activities of these traders, who engage in buying, selling, or both. The number of traders in a market varies considerably with seasonal demand, particularly during periods of heightened local and global demand for specific products. Recognizing their indispensable role in agricultural markets, this survey conducted a detailed examination of traders' activities and market functions.

This chapter analyses traders operating across various markets, categorizing them into buyers, sellers, or those engaged in both activities. Further classification is based on their operational setup within the market. Traders are grouped into three categories: (i) those with permanent structures, (ii) those without permanent structures but operating from a fixed location within the market, and (iii) those lacking both a permanent structure and a fixed location, utilizing open spaces on a day-to-day basis. The data encompasses traders in exclusive wholesale markets, exclusive retail markets, and both wholesale and retail markets. Additionally, it presents data on the average number of traders visiting these markets across different seasons, based on a monthly average. The findings are detailed in the following sections.

6.1 Traders Across Markets

This section presents an analysis of the monthly average number of traders operating within the markets and outside but within the trade areas, across 14 districts in Kerala. The data covers both wholesale and retail traders, providing insights into the distribution of trading activities within and around the markets. It is important to note that for retail markets, trade activity beyond market boundaries is not applicable. The findings are given below.

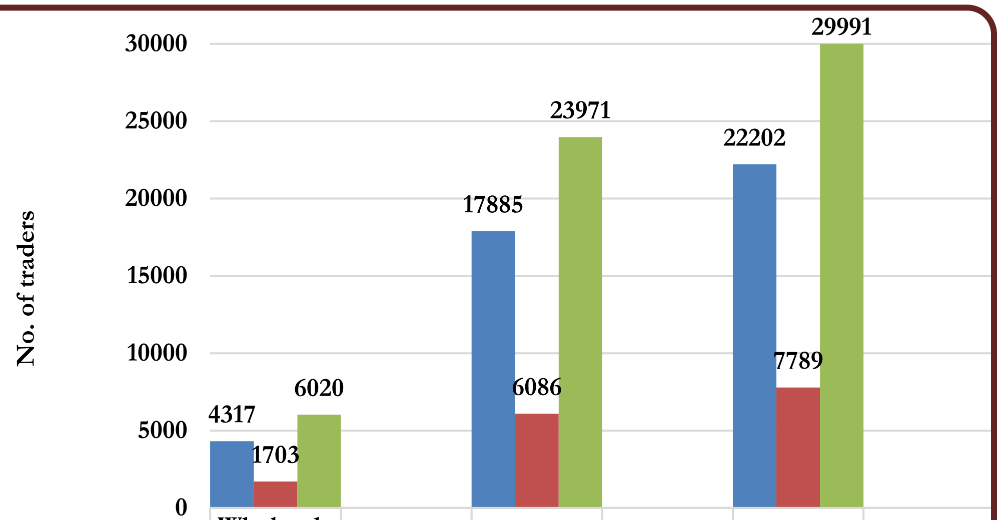
6.1.1 Traders Population

The survey, conducted across 1,248 markets, identified a total of 29,991 traders, comprising both wholesalers and retailers. These traders are categorized based on their location: those operating within the markets and those conducting business outside but within the trade areas. Of the total traders, 22,202 (74.03%) operate within market premises, while 7,789 (25.97%) conduct transactions outside the primary market place but within the trade areas. This distribution indicates that while most trading activity occurs within market spaces, a substantial proportion also takes place in adjacent trade areas.

Among the 22,202 traders operating within markets, 4,317 (19.44%) are wholesalers, while 17,885 (80.56%) are retailers. In contrast, among the 7,789 traders outside market areas, 1,703 (21.86%) are wholesalers and 6,086 (78.14%) are retailers. This highlights the predominance of retailers both inside and outside formal market spaces. Although wholesalers constitute a smaller share of the trading population, they perform a critical function in Kerala's trade framework by facilitating bulk transactions that ultimately supply retailers.

At the state level, wholesalers (both inside and outside markets) account for 6,020 (20.07%) of the total trader population, while retailers number 23,971 (79.93%). The analysis underscores the dominance of retail trading, which constitutes nearly 80% of the total trader population. Additionally, approximately 20% of traders operate outside formal market spaces, indicating the significance of external trading activities beyond market premises. A summarized representation of this data is provided in **Chart No. 6.1** below.

Chart No. 6.1: Monthly average number of traders in the markets



	Wholesalers	Share (%)	Retailers	Share (%)	Total	Share (%)
Traders with in the market	4317	14.39	17885	59.63	22202	74.03
Traders with outside the markets but with in the trade area	1703	5.68	6086	20.29	7789	25.97
Total	6020	20.07	23971	79.93	29991	100.00

Type of traders

District wise analysis reveals notable variations in trading patterns. Kozhikode and Kannur exhibit a relatively high proportion of traders operating outside market premises, with 52.39% and 55.45% of their respective trader populations engaged in external trade. In contrast, Thiruvananthapuram and Kollam have the highest absolute numbers of traders, accounting for 22.94% and 20.51% of the state's total trader population, respectively. On the other hand, Idukki and Wayanad report the lowest number of traders, contributing less than 2.42% of the total trading activity in Kerala. These variations highlight the influence of geographical, economic, and infrastructural factors on market participation across different districts. Further details are provided in **Annexure Table No. 12 (Page 152)**.

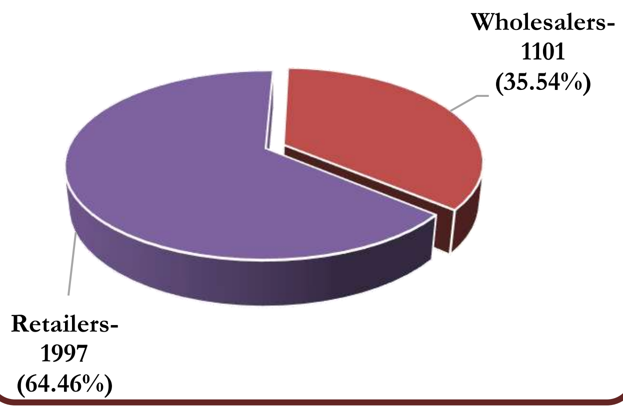
6.1.2 Traders by Nature of Transactions

This section presents an analysis of the average number of traders in the surveyed markets, categorized by their roles as buyers, sellers, or both. The classification further distinguishes between those operating within the market and those trading outside but within the trade area. Additionally, traders are grouped as wholesalers and retailers.

6.1.2.1 Buyers Within the Market

A total of 1,248 markets were surveyed, revealing 1,101 wholesalers and 1,997 retailers, making a total of 3,098 buyers. This accounts for 35.54% of the total wholesalers and 64.46% of the total retailers in the buyer category. These details are presented in **Chart No. 6.2**.

Chart No. 6.2: Monthly average no. of buyers within the market

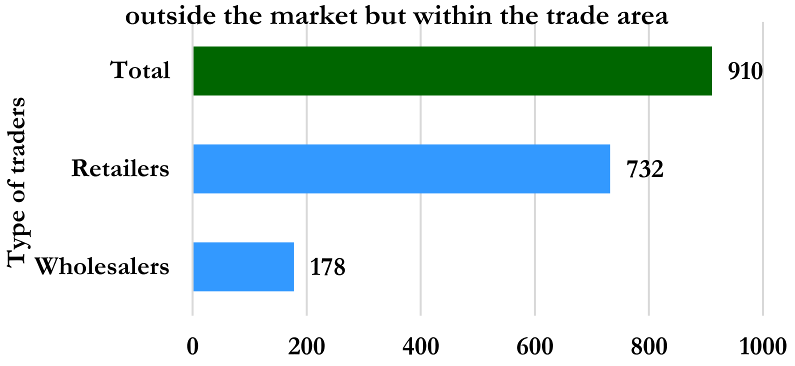


District level data shows that Kollam reported the highest trader participation, with 476 wholesalers and 697 retailers, totalling 1,173 buyers. This represents 43.23% of the total wholesalers and 34.90% of the retailers, indicating strong trading activity. Thiruvananthapuram also showed significant participation, with 249 wholesalers and 309 retailers, contributing 22.62% of the total wholesalers and 15.47% of the retailers. Conversely, districts like Ernakulam, Kozhikode, and Idukki reported minimal wholesaler activity. On the other hand, districts such as Kottayam with 526 retailers (26.34%) shows strong retail engagement, despite fewer wholesalers. The details are provided in **Annexure Table No. 12 (Page 152)**.

6.1.2.2 Buyers Outside the Market but Within the Trade Area

A total of 910 traders operates as buyers outside the market but within the trade area, of which 178 (19.56%) are wholesalers and 732 (80.44%) are retailers. Retailers outnumber wholesalers by a significant margin. These details are shown in **Chart No. 6.3**.

Chart No. 6.3: Monthly average no. of buyers outside the market but within the trade area



	Wholesalers	Retailers	Total
No. of traders	178	732	910
Percentage	19.56%	80.44%	100.00%

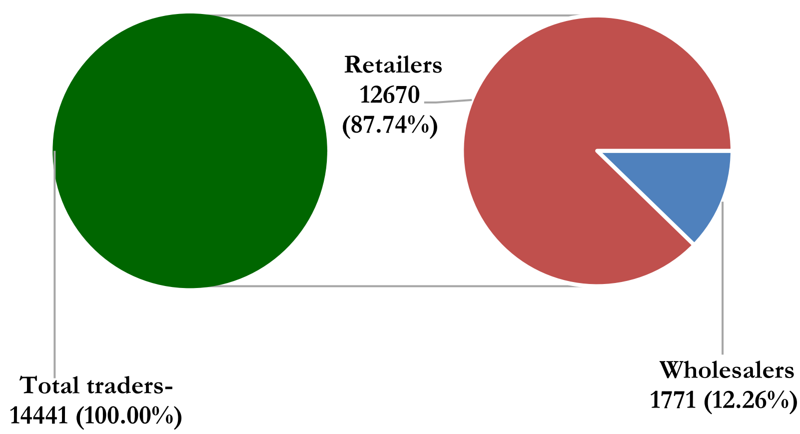
No. of traders

District level analysis reveals that Thiruvananth-apuram, which has the highest number of markets (270), reports only one wholesaler and 65 retailers operating outside the markets. Kollam, with 185 markets, stands out for having a substantial number of retailers (388) operating outside the market, while wholesalers remain comparatively fewer at 13. Districts like Idukki and Kozhikode show a stronger presence of wholesalers, with 33 and 46 respectively, though their retailer numbers are notably lower. Palakkad, despite having only 35 markets, is distinct in having 50 retailers operating outside the markets, with no wholesalers reported. The district wise distribution of these details is provided in **Annexure Table No. 12 (Page 152)**.

6.1.2.3 Sellers Within the Market

In the surveyed markets, a total of 14,441 sellers were engaged in transactions within the market, of which 1771 (12.26%) are wholesalers and 12670 (87.74%) are retailers. These details are shown in **Chart No. 6.4**.

Chart No. 6.4: Monthly average no. of sellers within the market

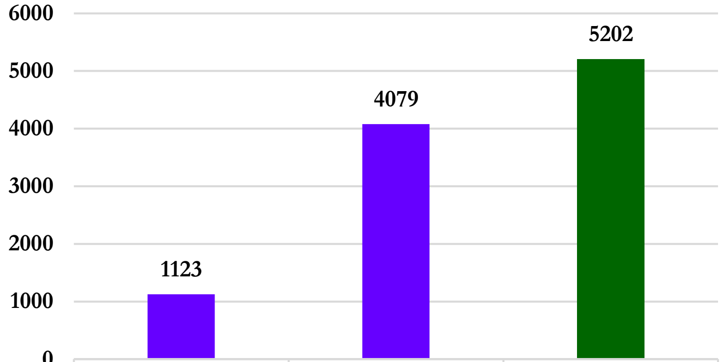


District level data reveals that Thiruvananthapuram leads with the highest total number of sellers at 3,901 (27.01%), comprising 135 wholesalers and 3,766 retailers. Kollam follows closely with a total of 3,078 (21.31%) sellers, including 131 wholesalers and 2,947 retailers. Kottayam and Pathanamthitta, follows further. Notably, Thrissur has the highest number of wholesalers at 381, while districts such as Palakkad, Alappuzha and Ernakulam also display relatively high numbers of traders, particularly in the wholesale sector. In contrast, districts such as Idukki, Wayanad, and Kasargod have fewer traders. The details are provided in **Annexure Table No. 12 (Page 152)**.

6.1.2.4 Sellers Outside the Market but Within the Trade Area

The analysis of monthly average data on sellers operating outside the market but within the trade area highlights significant differences in trading activities across districts in Kerala. Overall, the data reveals that out of 1,248 markets, there are 5,202 traders operating outside market premises, comprising 1,123 (21.59%) wholesalers and 4,079 (78.41%) retailers. These details are shown in **Chart No. 6.5**.

Chart No. 6.5: Monthly average no. of sellers outside the market but within the trade area



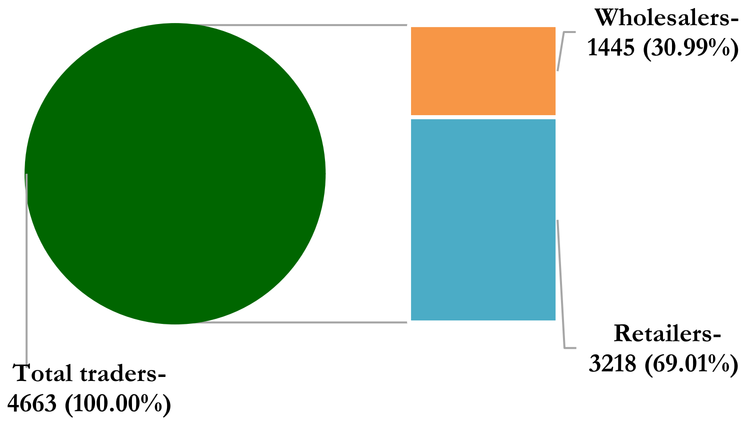
	Wholesalers	Retailers	Total
No. of traders	1123	4079	5202
Percentage	21.59%	78.41%	100.00%

District level data shows that Thiruvananthapuram records the highest number of traders, with 936 retailers and 89 wholesalers, accounting for 19.70% of the total traders. Kollam follows with 750 retailers and 120 wholesalers, making up 16.72% of the total. Pathanamthitta and Alappuzha also demonstrate significant seller engagement outside the markets, with 523 and 570 traders, respectively. On the other hand, districts such as Kottayam, Idukki, Wayanad & Kasargod display lower numbers of outside traders. Kozhikode stands out with 318 retailers, but has a relatively small number of wholesalers. Further details are given in **Annexure Table No. 12 (Page 152)**.

6.1.2.5 Both Buyer and Seller Within the Market

Among the 1248 surveyed markets, a total of 1,445 wholesalers and 3,218 retailers are active within the markets, performing the role of both buyers and sellers. This highlights a significant retail presence, with retailers comprising 69.01% of the total traders, compared to 30.99% wholesalers. These details are seen in **Chart No. 6.6**.

Chart No. 6.6: Monthly average no. of both buyers and sellers within the market

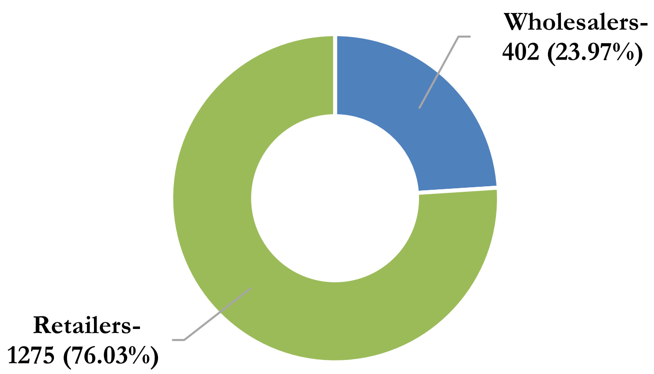


District wise analysis reveals that Thiruvananthapuram leads with 340 wholesalers and 771 retailers, which together account for 23.83% of the total traders within the markets. Malappuram follows with 137 wholesalers and 352 retailers. In contrast, Pathanamthitta and Alappuzha show relatively smaller trading figures, with 134 and 78 traders respectively. Kottayam and Ernakulam have 475 and 459 traders respectively, reflecting strong market engagement. Districts such as Idukki, Palakkad, and Wayanad exhibit moderate trader volumes. Kozhikode, and Kannur show diverse trading patterns. Kasargod, despite having only 21 markets, records a total of 376 traders, largely driven by 327 retailers. District wise break down of the details are available in **Annexure Table No. 12 (Page 152)**.

6.1.2.6 Both Buyer and Seller Outside the Market but Within the Trade Area

Survey findings indicate that there are 1,677 traders, with 402 wholesalers (23.97%) and 1,275 retailers (76.03%) engaged as both buyer and seller in trading operations take place outside the markets but within the trade areas across the state. These details are represented in **Chart No. 6.7**.

Chart No. 6.7: Both buyers and sellers outside the market but within the trade area



At district level, Kannur leads with 309 traders (39 wholesalers and 270 retailers), reflecting significant commercial activity beyond the formal market space and Kollam follows with 276 traders (29 wholesalers and 247 retailers), showing substantial participation, both particularly in the retail sector. Malappuram (271 traders) and Kannur (309 traders) also display strong activity, predominantly driven by retailers. Pathanamthitta (83 traders), Alappuzha (43 traders), and Idukki (33 traders) report relatively lower figures, especially in terms of wholesaler involvement. In contrast, Ernakulam stands out with 140 traders, split between 66 wholesalers and 74 retailers, indicating a balanced market presence. District wise distribution of these details is available in **Annexure Table No. 12 (Page 152)**.

6.2 Traders Transaction Location

In the previous section, we classified the monthly average number of traders based on their transaction activity, such as buyers, sellers, or those engaged as both buyers and sellers. Inspite of these, the survey collected data on the specific locations within the market and outside trade area where these transactions take place. Accordingly, the traders were categorized based on their trade infrastructure status: those with a permanent shop in the market area, those with a permanent space in the market area, and those without either. Traders lacking a permanent shop or space typically conduct their transactions in any available area within the market or outside trade area. A detailed analysis of these findings is provided below.

6.2.1 Traders with Permanent Shop

The monthly average number of traders with permanent shops includes those operating both within the markets and outside them, but still within the specified trade areas. Across the 1,248 markets, a total of 15,833 traders has permanent shops, with 10,164 located inside the markets and 5,669 situated outside but within the trade areas. Among the three categories of traders- buyers, sellers, and those engaged in both- sellers form the largest segment, accounting for 9,820 traders (62.02% of the total). Buyers, in contrast, are relatively fewer, totalling 1,419 traders, with retailers outnumbering wholesalers. Traders engaged in both buying and selling constitute a significant portion, with 4,594 individuals in this category. Regarding location, 64.20% of traders operate within the markets, while the remaining 35.80% are outside but within the trade area. Further details are provided in **Table No. 6.1** below.

Table No. 6.1: Monthly average number of traders with permanent shop

Serial No.	Nature of traders	Type of traders	No. of traders		
			Within the market	Outside the market but within the trade area	Total
1	Buyers	Wholesalers	296	166	**462**
		Retailers	526	431	**957**
		Sub total	**822**	**597**	**1419**
2	Sellers	Wholesalers	1235	1103	**2338**
		Retailers	4832	2650	**7482**
		Sub total	**6067**	**3753**	**9820**
3	Both Buyers and Sellers	Wholesalers	1292	388	**1680**
		Retailers	1983	931	**2914**
		Sub total	**3275**	**1319**	**4594**
Grand Total			**10164**	**5669**	**15833**

The district wise distribution of the monthly average number of traders with permanent shops, along with a detailed breakdown, is presented in **Annexure Table No. 12.1 (Page 153)**.

6.2.2 Traders with Permanent Place

The monthly average number of traders with a permanent place includes those operating both within the markets and outside, but still within the trade area. Across 1,248 markets, there are 9,814 such traders, with 8,329 located inside the markets and 1,485 positioned outside yet within the trade area. Among the three categories- buyers, sellers, and those engaged in both- sellers make up the largest share, accounting for 7,277 traders, which represents 74.15% of the total. Buyers are comparatively fewer, totalling 1,461, with retailers outnumbering wholesalers. Meanwhile, traders involved in both buying and selling form a notable segment, comprising 1,076 individuals. When considering location, a significant 84.87% of traders operate inside the markets, while the remaining 15.13% conduct business outside but within the trade area. More details are presented in **Table No. 6.2**.

Table No. 6.2: Monthly average number of traders with permanent place					
Serial No.	Nature of traders	Type of traders	No. of traders		
			Within the market	Outside the market but within the trade area	Total
1	Buyers	Wholesalers	470	3	**473**
		Retailers	751	237	**988**
		Sub total	**1221**	**240**	**1461**
2	Sellers	Wholesalers	**209**	**20**	**229**
		Retailers	6063	985	**7048**
		Sub total	**6272**	**1005**	**7277**
3	Both Buyers and Sellers	Wholesalers	110	12	**122**
		Retailers	**726**	**228**	**954**
		Sub total	**836**	**240**	**1076**
Grand Total			**8329**	**1485**	**9814**

The district wise breakdown of the monthly average number of traders with a permanent place, along with additional insights, is available in **Annexure Table 12.2 (Page 154)**.

6.2.3 Traders with Neither Permanent Shop nor Permanent Place

The monthly average number of traders without permanent shops or fixed trading locations includes those operating both within markets and in surrounding trade areas. Across all surveyed markets, 4,344 such traders were recorded, with 3,826 conducting business inside the markets and 518 operating outsides but still within the trade areas. Among the different categories, sellers form the largest group, comprising 2,546 (58.61%) traders. Within this category, retailers significantly outnumber wholesalers. Buyers, in contrast, account for 1,128 traders, with retailers once again being the dominant type. Traders engaged in both buying and selling total 670. When considering location, most of these traders (88.08%) operate inside the markets, while only 11.92% conduct business outside trade area. Further details are provided in **Table No. 6.3**.

Table No. 6.3: Monthly average number of traders with neither permanent shops nor permanent place					
Serial No.	Nature of traders	Type of traders	No. of traders		
			Within the market	Outside the market but within the trade area	Total
1	Buyers	Wholesalers	335	9	**344**
		Retailers	720	64	**784**
		Sub total	**1055**	**73**	**1128**
2	Sellers	Wholesalers	327	0	**327**
		Retailers	1892	327	**2219**
		Sub total	**2219**	**327**	**2546**
3	Both Buyers and Sellers	Wholesalers	43	2	**45**
		Retailers	509	116	**625**
		Sub total	**552**	**118**	**670**
Grand Total			**3826**	**518**	**4344**

A district wise breakdown of the monthly average number of traders without permanent shops or fixed trading locations is available in **Annexure Table No. 12.3 (Page 155)**.

In addition to categorizing traders based on their transaction activities- whether as buyers, sellers, or those engaged in both buyers and sellers- the survey also collected data on the specific locations where these transactions occur. These locations are classified based on the traders trade infrastructure status, which includes those operating from a permanent shop within the market area, those with a permanent trading space in the market, and those without either. Furthermore, the classification distinguishes between wholesalers, retailers, and those engaged in both types of transactions. A district wise distribution of the monthly average number of traders who operate exclusively as buyers, sellers, or both further categorized by their location of transactions within or outside the market is presented in **Annexure Table Nos. 12.4 to 12.6 (Page 156-158)**.

6.3 Traders by Exclusive Category Markets and Transaction Location

The markets surveyed have been classified into three exclusive categories: wholesale markets, retail markets, and both wholesale and retail markets. Within each category, traders are categorized based on their role in transactions, distinguishing between buyers, sellers, and those engaged in both buying and selling. Additionally, traders are further classified based on their transaction location and business type. Another key distinction is whether transactions take place within the market or outside the market but within the specified trade area. The details are presented in **Table No. 6.4** below.

Table No. 6.4: Monthly average number of traders in exclusive category markets

Serial No.	Nature of traders	Trading location	Type of traders	No. of traders			
				Exclusive wholesale	Exclusive retail	Both wholesale and retail	In all markets
1	Buyer	Within the market	Wholesalers	597	0	504	**1101**
			Retailers	0	440	1557	**1997**
		Outside the market but within the trade area	Wholesalers	48	0	130	**178**
			Retailers	274	0	458	**732**
		Sub total		**919**	**440**	**2649**	**4008**
2	Seller	Within the market	Wholesalers	282	0	1489	**1771**
			Retailers	0	8541	4129	**12670**
		Outside the market but within the trade area	Wholesalers	106	0	1017	**1123**
			Retailers	544	0	3535	**4079**
		Sub total		**932**	**8541**	**10170**	**19643**
3	Both Buyer and Seller	Within the market	Wholesalers	120	0	1325	**1445**
			Retailers	0	958	2260	**3218**
		Outside the market but within the trade area	Wholesalers	10	0	392	**402**
			Retailers	177	0	1098	**1275**
		Sub total		**307**	**958**	**5075**	**6340**
Grand total				**2158**	**9939**	**17894**	**29991**

In addition, this classification considers whether traders operate from a permanent shop, a permanent place without a shop, or neither a permanent shop nor a permanent place. Based on these criteria, detailed district wise information of traders across different market categories and transaction locations is provided in **Annexure Table Nos. 12.7 to 12.18 (Page 159-170).**

6.4 Traders Arriving Seasonally

The presence of seasonal traders, who engage in market activities primarily during specific harvest periods or peak trading seasons, has also been accounted for. These traders have been roughly classified using the same criteria mentioned above. A total of approximately 4,908 traders arrives in all markets. Of these, 24.29% operate in exclusive wholesale markets, 35.47% in exclusive retail markets, and 40.24% in both wholesale and retail markets. More details are available in **Table No. 6.5** below.

Table No. 6.5: Monthly average number of traders arriving seasonally in markets

Serial No.	Nature of traders	Trading location	Type of traders	No. of traders: Exclusive wholesale	Exclusive retail	Both wholesale and retail	In all markets
1	Buyer	Within the market	Wholesalers	204	0	61	**265**
			Retailers	0	267	178	**445**
		Outside the market but within the trade area	Wholesalers	12	0	25	**37**
			Retailers	179	0	91	**270**
		Sub total		**395**	**267**	**355**	**1017**
2	Seller	Within the market	Wholesalers	23	0	51	**74**
			Retailers	0	1298	410	**1708**
		Outside the market but within the trade area	Wholesalers	12	0	115	**127**
			Retailers	546	0	451	**997**
		Sub total		**581**	**1298**	**1027**	**2906**
3	Both Buyer and Seller	Within the market	Wholesalers	33	0	63	**96**
			Retailers	0	176	329	**505**
		Outside the market but within the trade area	Wholesalers	16	0	52	**68**
			Retailers	167	0	149	**316**
		Sub total		**216**	**176**	**593**	**985**
Grand total				**1192**	**1741**	**1975**	**4908**
Percentage share				**24.29%**	**35.47%**	**40.24%**	**100.00%**

A detailed classification of traders across different market categories and transaction locations is presented in **Annexure Table Nos. 12.19 to 12.22 (Page 171-174).**

In conclusion, the survey underscores the vital role of traders in sustaining the agricultural market system in Kerala. The findings reveal a diverse trading landscape, with a majority of traders operating within the market and a notable proportion conduct trade in surrounding trade areas. Retailers dominate the trader population, highlighting their pivotal role in connecting consumers with agricultural produce. However, variations in trading patterns across districts reflect differences in market infrastructure, economic activity, and geographical factors. The data also emphasizes the importance of providing adequate facilities for both permanent and seasonal traders to enhance market efficiency and inclusivity. Strengthening support for trader activities will be critical for ensuring the resilience and growth of agricultural markets in Kerala.

Chapter 7

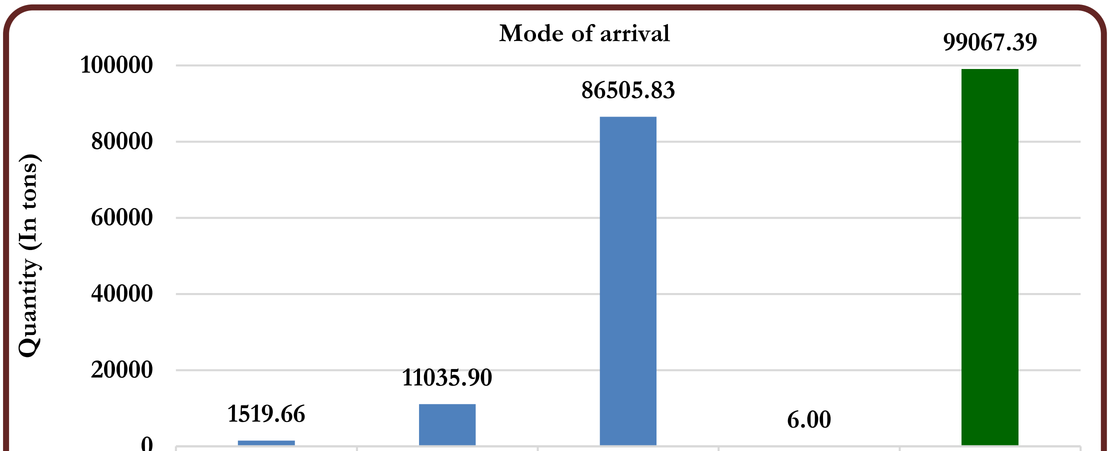
Market Arrivals

This chapter presents a comprehensive analysis of the monthly average market arrivals of various commodity groups in surveyed wholesale markets. It examines the sources of arrival, including local production, imports from neighbouring districts, states, and foreign countries. Each section focuses on specific commodity groups, highlighting insights into arrival patterns and the state's level of self-sufficiency. The analysis also assesses the reliance on external sources compared to local production, presenting percentage variations for each commodity group. Food items from crops are broadly classified into 15 commodity groups based on their common characteristics. These include grains, pulses, other food items, oil seeds, tuber crops, vegetables, fruits, spices, egg and meat, fish items, plantation crops, tobacco products, coir and coir products, oil seeds, and dairy products.

7.1 Grains/Cereals

This commodity groups include Rice, White Raw rice, Ragi, Paddy, Wheat, Maize/Corn, Other millets/grains/cereals. Data on the monthly average arrivals of grains/ cereals in surveyed markets indicate heavy dependence on external sources, especially from neighbouring states. Local production is minimal, with only 1,519.66 tons per month, accounting for just 1.53% of the total arrival. In comparison, neighbouring states contribute a substantial 86,505.83 tons, contributing 87.32% of the total arrivals. Neighbouring districts add 11,035.9 tons, representing 11.14% of the total arrival, while foreign imports are minimal, at just 6 tons (0.01%). **Chart No. 7.1** below presents further details.

Chart No. 7.1: Monthly average market arrival of grains/cereals



	Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Total Arrival
Quantity (In tons)	1519.66	11035.90	86505.83	6.00	99067.39
Percentage	1.53%	11.14%	87.32%	0.01%	100.00%

An analysis of the monthly market arrivals of grains and cereals reveals a significant disparity between local production and imports. A total of 12,555.56 tons is sourced from local production and neighbouring districts, while 86,511.83 tons are brought in from neighbouring states and foreign countries. This indicates a heavy reliance on external sources, as the quantity of imports is substantially higher than local production. The high ratio of 689.03% underscores the dominance of imports over local production. Despite limited cultivation of grains and cereals locally, high consumption levels necessitate substantial inflows from other states and countries to meet the demand. Details are provided in **Table No. 7.1**.

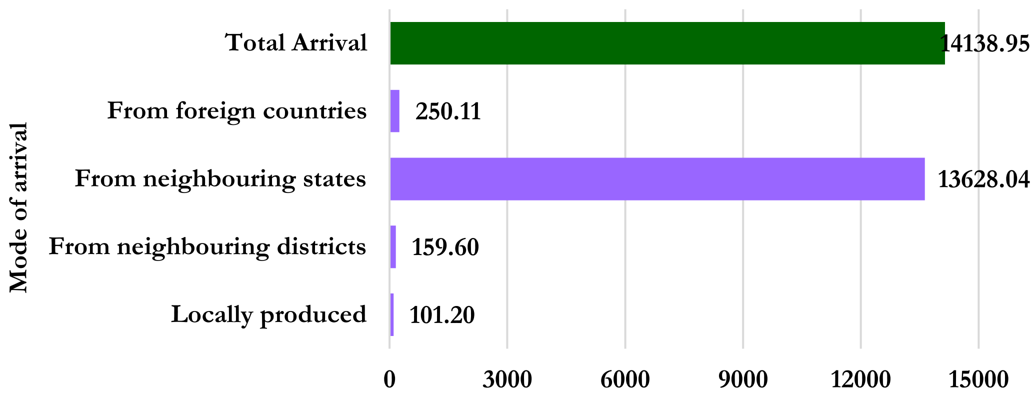
Table No. 7.1: Monthly market arrival of grains/ cereals- Locally produced Vs Inflow

Serial No.	Mode of arrival	Quantity (In tons)
1	Locally produced+ Arrival from neighbouring districts	12555.56
2	Arrival from neighbouring states+ Arrival from foreign countries	86511.83
3	Extent of dependence on external sources [Row (2)/Row (1)*100]	689.03%

7.2 Pulses

This commodity groups includes the crops such as Bengal gram (Black), Bengal gram (white), Tur dhal, Tur dhal (FATKA), Red Gram (Split), Split peageon peas, Green gram/Moong Dal, Black gram split, Black gram with husk (Split), Black gram with husk, Other pulses. Data on the monthly arrival of pulses in surveyed markets highlights a strong reliance on external sources to meet the state's demand. Local production is minimal, contributing only 101.20 tons per month, just 0.72% of the total arrival. In comparison, neighbouring states provide 13,628.04 tons accounting for 96.39% of the total. Imports from foreign countries added 250.11 tons (1.77%), while neighbouring districts contributed 159.60 tons (1.13%). Further details are presented in **Chart No. 7.2** below.

Chart No. 7.2: Monthly market arrival of pulses



	Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Total Arrival
Quantity (In tons)	101.20	159.60	13628.04	250.11	14138.95
Percentage	0.72%	1.13%	96.39%	1.77%	100.00%

Quantity (In tons)

Table No. 7.2 compares the locally produced pulses with external inflows, highlighting the significant reliance on outside sources. Local production, including arrivals from neighbouring districts, amounts to only 260.80 metric tons, which constitutes 1.84% of the total. In contrast, arrivals from neighbouring states and foreign countries contribute a substantial 13,878.15 metric tons, accounting for 98.16% of the total. This stark disparity results in a higher ratio of 5321.33% over local production, emphasizing the overwhelming dependence on external sources for meeting the demand for pulses.

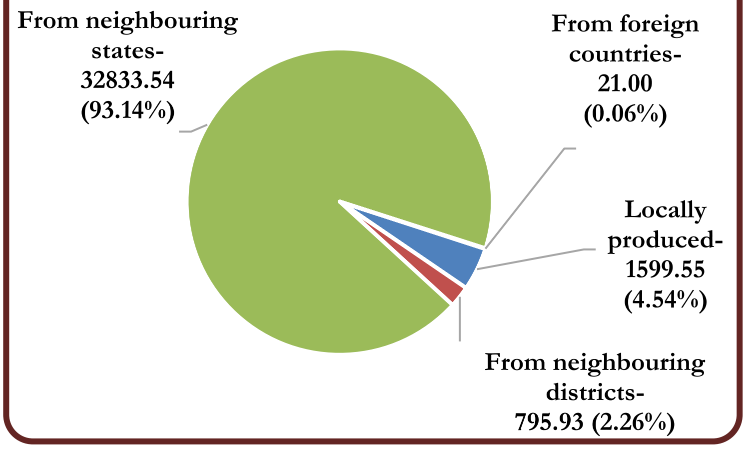
Table No. 7.2: Monthly market arrival of pulses- Locally produced Vs Inflow

Serial No.	Mode of arrival	Quantity (In tons)
1	Locally produced+ Arrival from neighbouring districts	260.80
2	Arrival from neighbouring states+ Arrival from foreign countries	13878.15
3	Extent of dependence on external sources [Row (2)/ Row (1)*100]	5321.33%

7.3 Other Food Items

This commodity groups includes crops such as Sugar, Jaggery, Jaggery (Achuvellam), Palm jaggery/ Plamgur, Cocoa, Tea (medium and special), Coffee, Other food items. The total market monthly arrival is 35250.03 tons. The data highlights the state's significant reliance on external sources to meet demand. Local production accounts for only 1,599.55 tons per month, which constitutes a mere 4.54% of the total arrivals. In contrast, arrivals from neighbouring states are 32,833.54 tons, or 93.14%, at the same time neighbouring districts contribute 795.93 tons (2.26%). Imports from foreign countries are minimal, at 21 tons (0.06%). These details are illustrated in **Chart No. 7.3**.

Chart No. 7.3: Monthly market arrival of other food items



A detailed comparison of locally sourced and external arrivals reveals that a total of 2,395.48 tons originates from local production and neighbouring districts, while a significantly larger volume of 32,854.54 tons is sourced from neighbouring states and foreign countries. This results in a substantial disparity, reflecting a 1,371.52% increase over local production. These figures highlight the state's

Table No. 7.3: Monthly market arrival of other food Items- Locally produced Vs Inflow

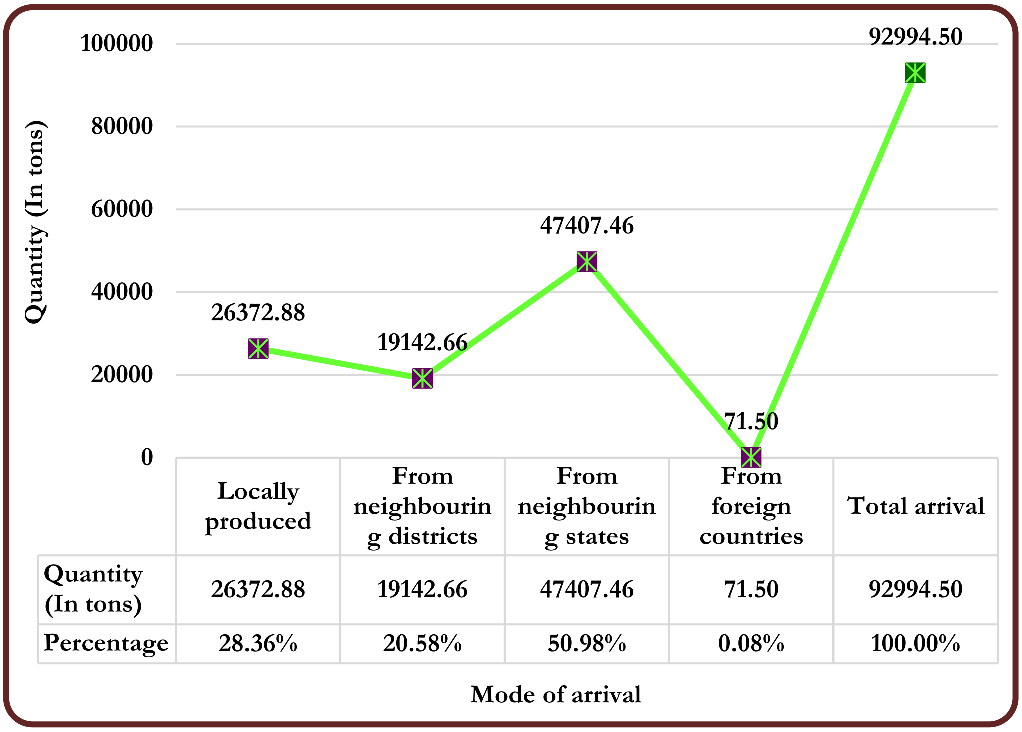
Serial No.	Mode of arrival	Quantity (In tons)
1	Locally produced+ Arrival from neighbouring districts	2395.48
2	Arrival from neighbouring states+ Arrival from foreign countries	32854.54
3	Extent of dependence on external sources [Row (2)/ Row (1)*100]	1371.52%

heavy reliance on external sources to meet the demand for other food items. Detailed data on this is presented in **Table No. 7.3**.

7.4 Oil Seeds

This commodity groups include crops such as Sesamum, Ground nut, Coconut (with and without husk), Copra, Coconut oil cake, Coconut oil, Sesame oil and other cash crops. The local production of oilseeds, excluding coconuts with husk, is significant, with an average monthly arrival of 26,372.88 tons, accounting for 28.36% of total market arrivals. Despite this contribution, the state remains heavily dependent on external sources. Neighbouring districts contributed 19,142.66 tons (20.58%), while neighbouring states added 47,407.46 tons (50.98%). Imports from foreign countries are minimal, amounting to only 71.50 tons per month (0.08%). The details of these quantities are provided in **Chart No. 7.4**.

Chart No. 7.4: Monthly market arrival of other food items



The data highlights that local production and arrivals from neighbouring districts total amounts 45,515.54 tons, while imports from neighbouring states and foreign countries amount to 47,478.96 tons. This represents a variation ratio of 104.31% compared to local production, emphasizing the state's significant reliance on external sources to meet its oilseed requirements. The findings are detailed in **Table No. 7.4**.

Table No. 7.4: Monthly market arrival of oil seeds- Locally produced Vs Inflow

Serial No.	Mode of arrival	Quantity (In tons)
1	Locally produced+ Arrival from neighbouring districts	**45515.54**
2	Arrival from neighbouring states+ Arrival from foreign countries	**47478.96**
3	Extent of dependence on external sources [Row (2)/ Row (1)*100]	**104.31%**

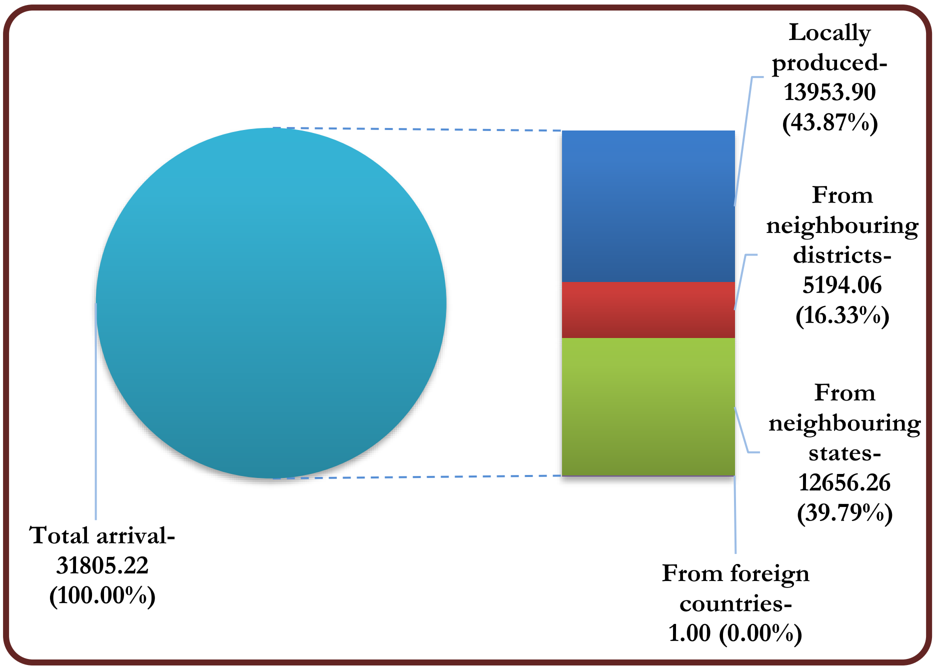
Table No. 7.5: Monthly market arrival of coconut with husk- Locally produced Vs Inflow		
Serial No.	Mode of arrival	Quantity (In 1000 Nos)
1	Locally produced+ Arrival from neighbouring districts	15764.33
2	Arrival from neighbouring states+ Arrival from foreign countries	27120.00
3	Extent of dependence on external sources [Row (2)/ Row (1)*100]	172.03%

In addition, coconuts with husk are also traded in the market. The data highlights a significant disparity in arrivals, with locally produced and arrivals from neighbouring districts (15.76 million nuts) being far lower than the arrivals from neighbouring states and foreign countries (27.12 million nuts). The net variation of 11.36 million nuts underscores a heavy reliance on external sources, which surpass local production by 172.03%. These details are provided in **Table No. 7.5**.

7.5 Tuber Crops

This commodity group includes crops such as Potatos, Topioca/Cassava/Kappa, Tapioca Dry (Boiled), Dried tapioca/ Dried cassava, Sweet potato, Purple yam/Kachil, Elephant yam, Colocasia, Other tuber crops. The markets in Kerala show a strong presence of locally produced tubers, with a monthly arrival of 13,953.90 tons, accounting for 43.87% of the total arrivals. This is supplemented by inflows from neighbouring states, contributing 12,656.26 tons (39.79%), and neighbouring districts, adding 5,194.06 tons (16.33%). Details are provided in **Chart No. 7.5** below.

Chart No. 7.5: Monthly market arrival of tuber crops



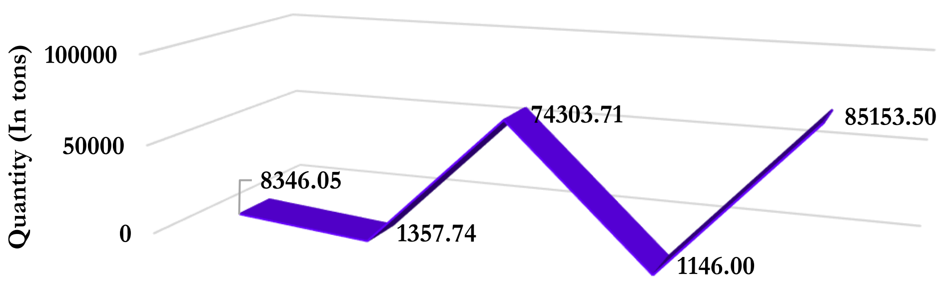
Further analysis reveals significant variation in the sources of tuber crops. Local production, including arrivals from neighbouring districts, amounts to 19,147.96 tons. In contrast, imports from neighbouring states and foreign countries total 12,657.26 tons, which account for 66.10% of local production. The difference between these sources is 6,490.70 tons, highlighting a considerable dependence on external sources. More details are provided in **Table No. 7.6** below.

Table No. 7.6: Monthly market arrival of tuber crops- Locally produced Vs Inflow		
Serial No.	**Mode of arrival**	**Quantity (In tons)**
1	Locally produced+ Arrival from neighbouring districts	**19147.96**
2	Arrival from neighbouring states+ Arrival from foreign countries	**12657.26**
3	Extent of dependence on external sources [Row (2)/ Row (1)*100]	**66.10%**

7.6 Vegetables

This commodity group includes crops such as Carrot, Radish, Beetroot, Sweet radish, Tomato, Spinach, Indian bean/Cluster beans, Cabbage, Leafy vegetables, Brinjal Green Long, Green long yard bean, Lady Finger/Okra, Cauliflower, Cucumber, Bottle gourd, Pumpkin, Bitter Gourd, Ash gourd, Beans, Drumstick, Green chilli, Ridge gourd, Snake gourd, Ivy gourd, Other vegetables, Small onion/Shallot, Big Onion/Savala, Other vegetables. The state's vegetable market heavily depends on external sources, with local production accounting for only 8,346.05 tons per month, which makes up just 9.80% of the total arrivals. Neighbouring districts contribute 1357.74 (1.59%) tons, while arrival from neighbouring states comes to 74,303.71 (87.26%) Foreign imports remain relatively low at 1,146.00 (1.35%) tons. These details are presented in **Chart No. 7.6** below.

Chart No. 7.6: Monthly market arrival of vegetables



	Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Total arrival
Quantity (In tons)	8346.05	1357.74	74303.71	1146.00	85153.50
Percentage	9.80%	1.59%	87.26%	1.35%	100.00%

Mode of arrival

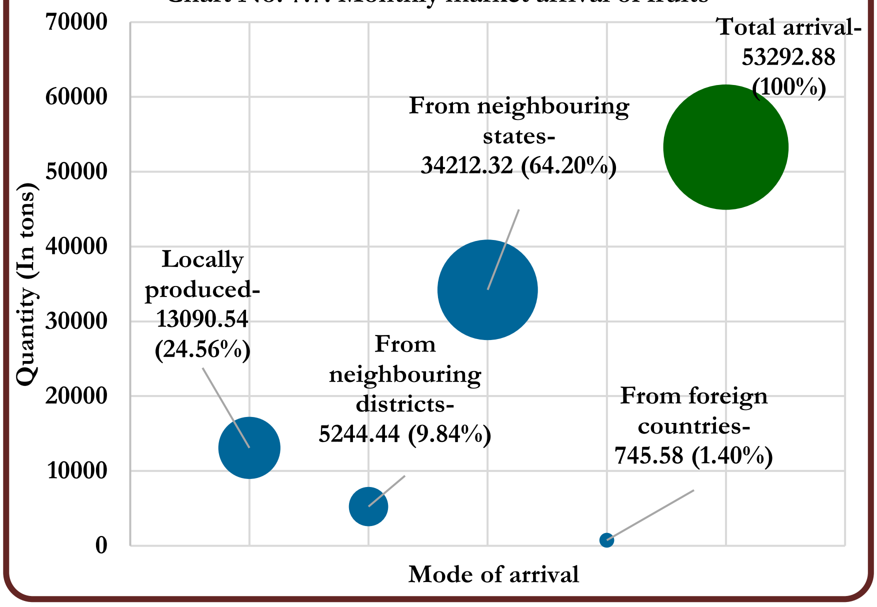
A comparison of local production and arrivals from neighbouring districts with imports from neighbouring states and foreign countries reveals a significant disparity. While local production and arrivals from neighbouring districts together account for 9,703.79 tons, imports from neighbouring states and foreign countries total 75,449.71 tons. This results in a substantial surplus of 65,745.92 tons, with imports being 777.53% of local production. This data clearly highlights the state's heavy dependence on external sources to meet its vegetable demand. Details are available in **Table No. 7.7**.

Table No. 7.7: Monthly market arrival of vegetables- Locally produced Vs Inflow		
Serial No.	**Mode of arrival**	**Quantity (In tons)**
1	Locally produced+ Arrival from neighbouring districts	**9703.79**
2	Arrival from neighbouring states+ Arrival from foreign countries	**75449.71**
3	Extent of dependence on external sources [Row (2)/ Row (1)*100]	**777.53%**

7.7 Fruits

This commodity groups includes crops such as Nendran Banana (Nadan/Pandy/Wayanadan), Pineapple, Pineapple (pandy), Raw mango, Mango (Ripe), Apple, Orange, Ripe Plantain, Other fruits. Despite notable local production, fruit markets in the state are heavily dependent on external sources. On average, local production accounts for 13,090.54 tons per month, contributing 24.56% of the total arrival. However, neighbouring states contribute 34,212.32 (64.20%) tons, while neighbouring districts add 5,244.44 tons (9.84%). Foreign imports, though minimal, account for 745.58 tons (1.40%). Further details are provided in **Chart No. 7.7** below.

Chart No. 7.7: Monthly market arrival of fruits



The table shows that local production combined with arrivals from neighbouring districts totals 18,334.98 tons, while arrivals from neighbouring states and foreign countries are significantly higher at 34,957.90 tons. This results in a considerable disparity with a ratio of 190.66% over local production, highlighting the state's substantial

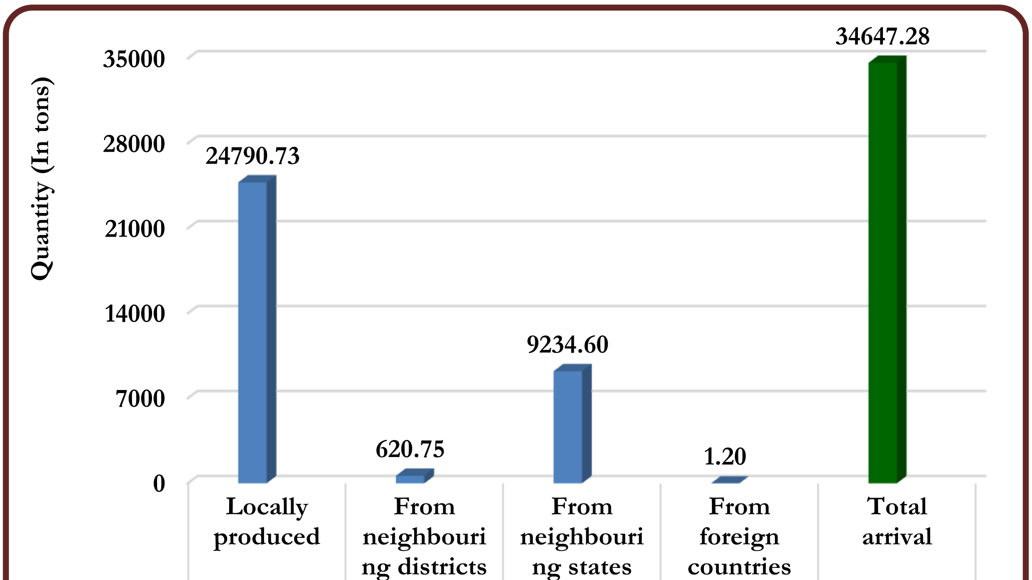
Table No. 7.8: Monthly market arrival of fruits- Locally produced Vs Inflow		
Serial No.	**Mode of arrival**	**Quantity (In tons)**
1	Locally produced+ Arrival from neighbouring districts	**18334.98**
2	Arrival from neighbouring states+ Arrival from foreign countries	**34957.90**
3	Extent of dependence on external sources [Row (2)/ Row (1)*100]	**190.66%**

dependence on external sources for fruit supply. The data clearly illustrates the critical role played by imports in meeting the state's fruit demand. **Table No. 7.8** presents further details.

7.8 Spices

This commodity groups include crops such as Black pepper, Cardamom, Turmeric, Ginger, Dried ginger, Nutmeg seed with husk, Nutmeg seed, Chili, Coriander, Cumin, Fennel Seeds, Mustard, Fenugreek, Garlic, Tamarind, Other spices. The spice markets demonstrate strong local production, with an average monthly arrival of 24,790.73 tons, accounting for 71.55% of the total arrival. Neighbouring states contribute 9,234.60 (26.65%) tons, while arrivals from neighbouring districts are minimal at 620.75 (1.79%) tons. Foreign imports from are negligible, with just 1.20 tons. This data underscores the state's significant strength in spice production, as illustrated in **Chart No. 7.8**.

Chart No. 7.8: Monthly market arrival of spices



	Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Total arrival
Quantity (In tons)	24790.73	620.75	9234.60	1.20	34647.28
Percentage	71.55%	1.79%	26.65%	0.00%	100.00%

The table shows a total of 25,411.48 tons of spices sourced from local production and neighbouring districts, compared to 9,235.80 tons from neighbouring states and foreign countries. The external import over local production is only 36.34% and it highlights the state's strong reliance on local production. Further details are provided in **Table No. 7.9**.

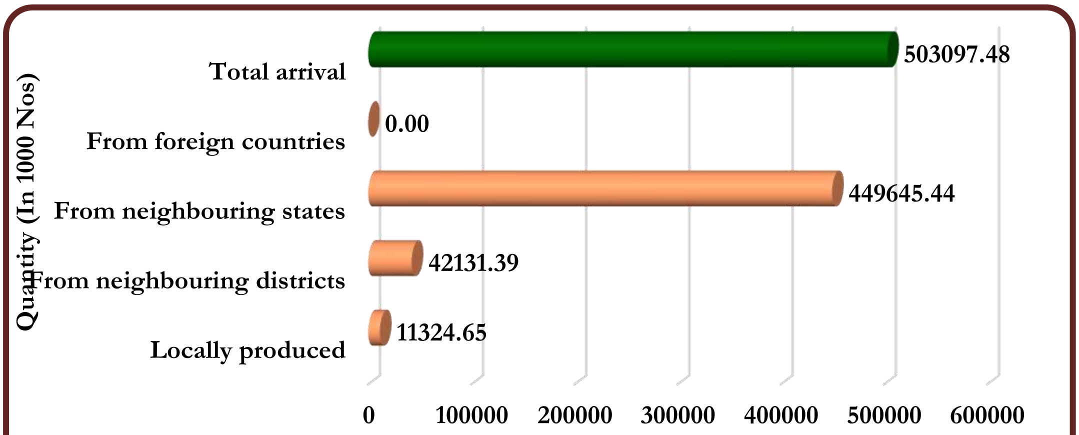
Table No. 7.9: Monthly market arrival of spices- Locally produced Vs Inflow

Serial No.	Mode of arrival	Quantity (In tons)
1	Locally produced+ Arrival from neighbouring districts	25411.48
2	Arrival from neighbouring states+ Arrival from foreign countries	9235.80
3	Extent of dependence on external sources [Row (2)/ Row (1)*100]	36.34%

7.9 Egg and Meat

This commodity groups include the items such as Egg (Hen- White Lagoon, Country egg, Duck egg) and Meat. The eggs markets in Kerala heavily depend on imports from neighbouring states, which supply approximately 449.65 million (89.38%) of total arrivals, indicating the state's reliance on external sources to meet demand. Local production accounts for only 11.32 million (2.25%), while neighbouring districts contribute 421.31 million (8.37%). There are no foreign imports. Details are available in **Chart No. 7.9** below.

Chart No. 7.9: Monthly market arrival of eggs



	Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Total arrival
Quantity (In 1000 Nos.)	11324.65	42131.39	449645.44	0.00	503097.48
Percentage	2.25%	8.37%	89.38%	0.00%	100.00%

Mode of arrival

An analysis of egg market arrivals reveals a significant reliance on external sources. Imports from neighbouring states and foreign countries (449.645 million) vastly surpass local production and arrivals from neighbouring districts (53.46 million). This indicates a considerable disparity, with external arrivals amounting to approximately 841.15% of local production. The analysis underscores the urgent need to enhance local production and reduce dependency on external sources. The figures are detailed in **Table No. 7.10**.

Table No. 7.10: Monthly market arrival of eggs- Locally produced Vs Inflow

Serial No.	Mode of arrival	Quantity (In 1000 Nos.)
1	Locally produced+ Arrival from neighbouring districts	53456.04
2	Arrival from neighbouring states+ Arrival from foreign countries	449645.44
3	Extent of dependence on external sources [Row (2)/ Row (1)*100]	841.15%

The data on the monthly market arrivals of meat reveals a notable disparity between locally produced meat, including arrivals from neighbouring districts, and inflows from neighbouring states and foreign sources. Local production and arrivals from nearby districts amount to 647.33

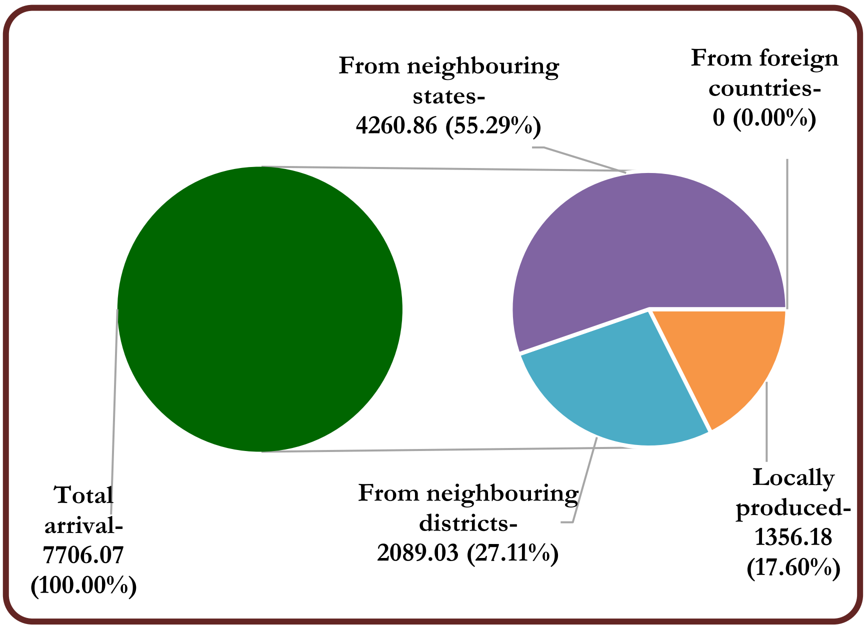
tons, while inflows from neighbouring states and foreign countries reach 2838.93 tons. This results in a higher ratio of 438.56%, indicating that external sources contribute significantly to the total market arrival compared to local production. Also, foreign imports are not reported in the surveyed markets. It may be noted that meat sold in exclusive meat markets is not accounted for in these figures, which are not under the purview of the survey. The data represents quantities available in multi-commodity markets where meat is one of the items. The details are presented in **Table No. 7.11**.

Table No. 7.11: Monthly market arrival of meat- Locally produced Vs Inflow		
Serial No.	**Mode of arrival**	**Quantity (In tons)**
1	Locally produced+ Arrival from neighbouring districts	647.33
2	Arrival from neighbouring states+ Arrival from foreign countries	2838.93
3	Extent of dependence on external sources [Row (2)/ Row (1)*100]	438.56%

7.10 Fish Items

This commodity groups include the crops such as Mackerel, Sardine, Pomfret, Prawn, Other fish items. The fish market in the state heavily relies on external sources due to limited local production. Of the total monthly arrivals of 7,706.06 tons, only 1,356.18 tons (17.60%) are locally produced or caught by traditional sea fishermen or inland fishermen. Neighbouring states contribute the largest share, with 4,260.86 tons (55.29%), while neighbouring districts provide 2,089.03 tons (27.11%). No imports from foreign countries. It is important to note that fish arrivals in exclusive fish markets are not included here; the quantities reported are from multi-commodity markets where fish is one of the items. **Chart No. 7.10** provides these details.

Chart No. 7.10: Monthly market arrival of fish items



The comparison of locally produced fish supply, including arrivals from neighbouring districts, with external inflows from neighbouring states and foreign countries reveals that 3,445.21 tons are sourced locally, while 4,260.86 tons are imported. This indicates that external inflows exceed local supply by 815.65 tons, reflecting a 123.67% increase in external inflows compared to local production. The data underscores the significant reliance on external sources to meet market demand. Details are provided in **Table No. 7.12**.

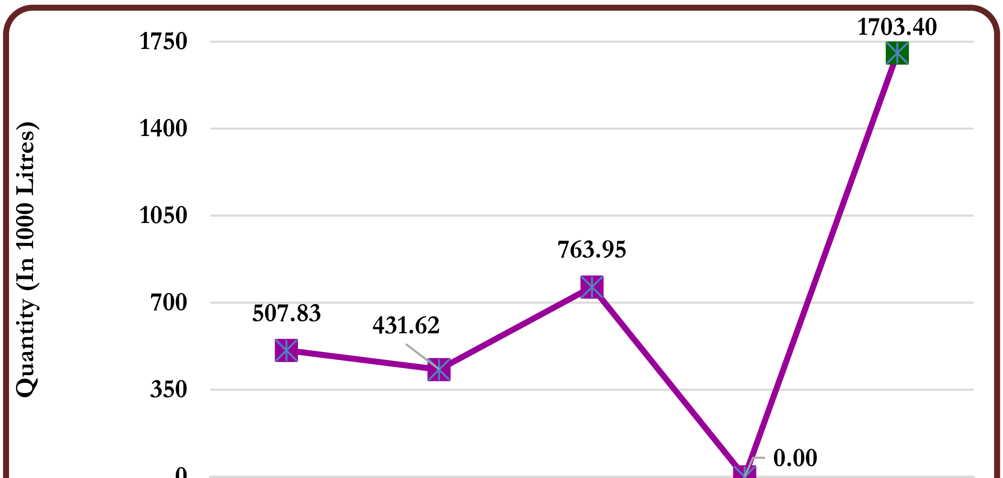
Table No. 7.12: Monthly market arrival of fish items- Locally produced Vs Inflow

Serial No.	Mode of arrival	Quantity (In tons)
1	Locally produced+ Arrival from neighbouring districts	3445.21
2	Arrival from neighbouring states+ Arrival from foreign countries	4260.86
3	Extent of dependence on external sources [Row (2)/ Row (1)*100]	123.67%

7.11 Dairy Products

This commodity group includes items such as Milk, Curd, and Other dairy products. The dairy market in Kerala partially depends on inflows from neighbouring states, which account for 7,63,950 litres (44.85%) of the monthly arrivals. Local production contributes 5,07,830 litres (29.81%), and neighbouring districts supply 4,31,620 litres (25.34%). It may be noted that dairy transactions in the state mostly occur through agencies like Milma and cooperative societies, so arrivals in the surveyed markets are relatively low. Further details provided in **Chart No. 7.11**.

Chart No. 7.11: Monthly market arrival of dairy products



	Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Total Arrival
Quantity (In 1000 Litre)	507.83	431.62	763.95	0.00	1703.40
Percentage	29.81%	25.34%	44.85%	0.00%	100.00%

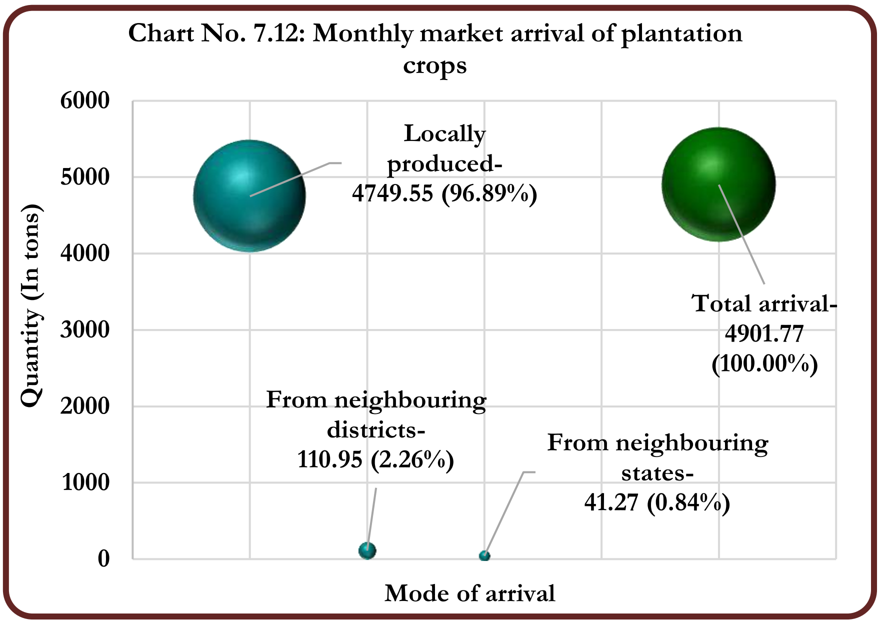
An analysis of dairy product arrivals reveals a modest difference between arrivals from local production, including neighbouring districts, and those from neighbouring states. A total of 9,39,450 litres sourced from local production and neighbouring districts, while 7,63,950 litres arrives from neighbouring states. This results in a substantial ratio of 81.32%, indicating that local production exceeds arrivals from other states. **Table No. 7.13** provides further details.

Table No. 7.13: Monthly market arrival of dairy products- Locally produced Vs Inflow

Serial No.	Mode of arrival	Quantity (In 1000 Litres)
1	Locally produced+ Arrival from neighbouring districts	939.45
2	Arrival from neighbouring states+ Arrival from foreign countries	763.95
3	Extent of dependence on external sources [Row (2)/ Row (1)*100]	81.32%

7.12 Plantation Crops

This commodity groups include crops such as Cashew nut, Rubber, Other plantation crops. Local production of plantation crops in Kerala is substantial, with a total of 4,749.55 tons and accounting for 96.89% of arrivals. Arrivals from neighbouring districts are minimal at 110.95 tons (2.26%), while neighbouring states supply is only 41.27 tons (0.84%). There are no imports from foreign countries. These details are presented in **Chart No. 7.12**.



The analysis of crop arrivals reveals a significant reliance on local production and inflows from neighbouring districts, which together account for 4,860.50 tons. In contrast, the inflow from neighbouring states and foreign countries totals only 41.27 tons. The ratio of local arrivals to external inflows is 0.85%. This highlights a 99.15% dependency on local and nearby sources for the supply of plantation crops. These data are provided in **Table No. 7.14**.

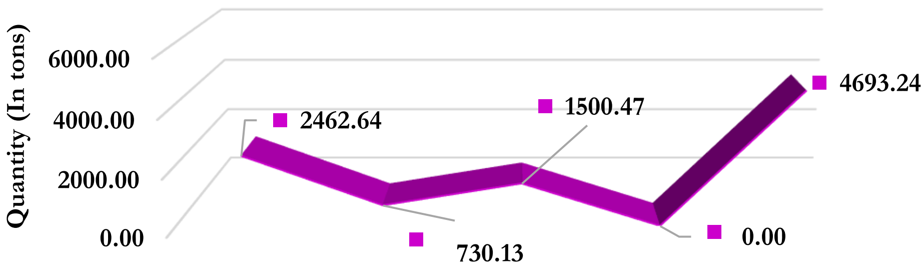
Table No. 7.14: Monthly market arrival of plantation crops- Locally produced Vs Inflow

Serial No.	Mode of arrival	Quantity (In tons)
1	Locally produced+ Arrival from neighbouring districts	4860.50
2	Arrival from neighbouring states+ Arrival from foreign countries	41.27
3	Extent of dependence on external sources [Row (2)/ Row (1)*100]	0.85%

7.13 Tobacco Products

This commodity groups include crops such as Tobacco, Arecanut (Ripe), Dried arecanut/ Dried betel nut, Betel Leaves and Other Stimulants. Data on monthly market arrivals, excluding betel leaves, indicates strong local production, with 2,462.64 tons sourced within the state, contributing to 52.47% of the overall arrival. Neighbouring districts contribute 730.13 tons, accounting for 15.56%, while neighbouring states provide 1500.47 tons (31.97%). Notably, there are no foreign imports. The details are provided in **Chart No. 7.13** below.

Chart No. 7.13: Monthly market arrival of tobacco products



	Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Total arrival
Quantity (In tons)	2462.64	730.13	1500.47	0.00	4693.24
Percentage	52.47%	15.56%	31.97%	0.00%	100.00%

Mode of arrival

The combined supply from local production and neighbouring districts totals 3,192.77 tons, accounting for 68.03% of the market supply, while neighbouring states and foreign sources contribute 1,500.47 tons (31.97%). This indicates a strong reliance on local and nearby sources for tobacco product supply. The data also shows a significant difference of 1,692.30 tons between local/regional production and external inflows, with a local to external inflow ratio of 47.00%, underscoring the importance of local sources in meeting market demand. These details are available in **Table No. 7.15**.

Table No. 7.15: Monthly market arrival of tobacco products- Locally produced Vs Inflow

Serial No.	Mode of arrival	Quantity (In tons)
1	Locally produced+ Arrival from neighbouring districts	3192.77
2	Arrival from neighbouring states+ Arrival from foreign countries	1500.47
3	Extent of dependence on external sources [Row (2)/ Row (1)*100]	47.00%

In addition, betel leaves are actively traded in the market. The data reveals that the majority of betel leaves are sourced from internal production and neighbouring districts, contributing to a total of 3.48 million leaves (82.48%). In contrast, arrivals from neighbouring states and foreign countries account for only 0.74 million leaves (17.52%). There are no imports from foreign countries. The ratio of arrivals from neighbouring states to internal sources is 21.24%, highlighting the strong dominance of internal sources in the market. Details are available in **Chart No. 7.14** and **Table No. 7.16**.

Chart No. 7.14: Monthly market arrival of betel leaves

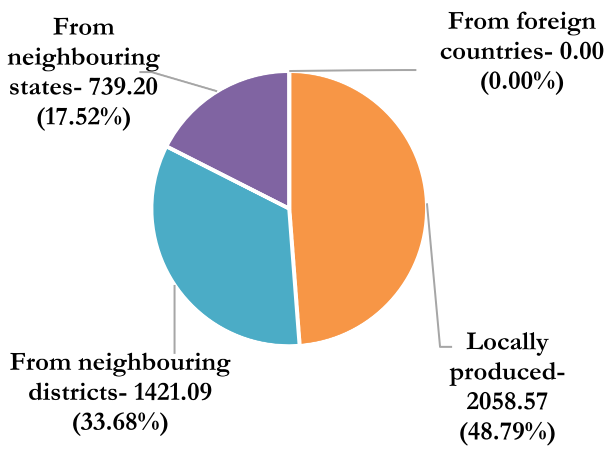


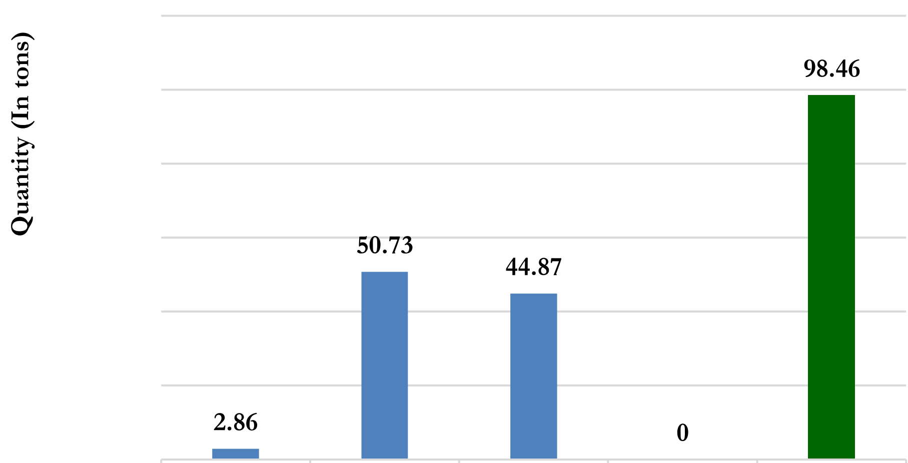
Table No. 7.16: Monthly market arrival of tobacco products (betel leaves)- Locally produced Vs Inflow

Sl No.	Mode of arrival	Quantity (In 1000 Nos.)
1	Locally produced+ Arrival from neighbouring districts	3479.66
2	Arrival from neighbouring states+ Arrival from foreign countries	739.20
3	Extent of dependence on external sources [Row (2)/ Row (1)*100]	21.24%

7.14 Coir and Coir Products

This commodity group include items such as Coir and Other coir products. The market arrival of locally produced coir products is notably low, with only 2.86 tons per month, accounting for 2.90% of the total arrivals. In contrast, neighbouring districts contribute 50.73 (51.52%) tons, while neighbouring states provide 44.87 (45.57%) tons. This disparity underscores state's heavy reliance on external sources to meet demand. These details are shown in **Chart No. 7.15**.

Chart No. 7.15: Monthly market arrival of coir and coir products



	Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Total arrival
Quantity (In tons)	2.86	50.73	44.87	0	98.46
Percentage	2.90%	51.52%	45.57%	0.00%	100.00%

Mode of arrival

When examining the sources of coir and coir products arriving in the market, the total quantity from locally produced sources and neighbouring districts totals 53.59 tons, while 44.87 tons originate from neighbouring states and foreign countries. Although no foreign imports are recorded, the market inflow remains significant due to substantial contributions from neighbouring states. The 83.73% ratio between these sources underscores the considerable dependence on external sources. For more details, refer to **Table No. 7.17**.

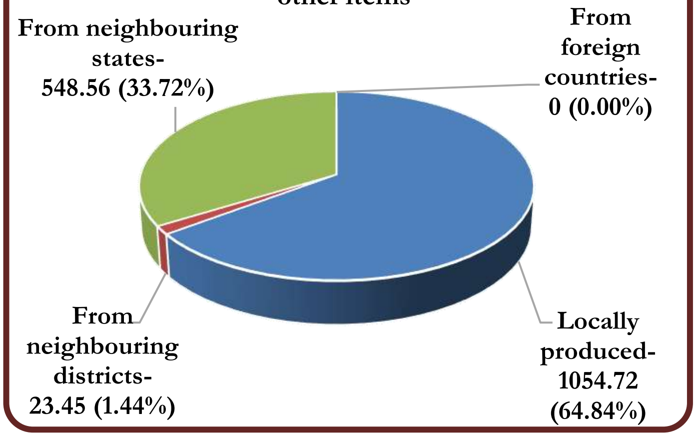
Table No. 7.17: Monthly market arrival of coir and coir products- Locally produced Vs Inflow

Serial No.	Mode of arrival	Quantity (In tons)
1	Locally produced+ Arrival from neighbouring districts	53.59
2	Arrival from neighbouring states+ Arrival from foreign countries	44.87
3	Extent of dependence on external sources [Row (2)/ Row (1)*100]	83.73%

7.15 Others

This commodity groups include crops such as Tamarind seed powder, Lemongrass oil and others. Local production is moderate at 1,054.72 (64.84%) tons. Imports from neighbouring states account for 548.56 (33.72%) tons, while neighbouring districts contribute only 23.45 (1.49%) tons. This data indicates a moderate reliance on external sources. Details are available in **Chart No. 7.16**.

Chart No. 7.16: Monthly market arrival of other items



Out of the total monthly market arrivals of 1,626.73 tons, locally produced items and those sourced from neighbouring districts account for the majority, with 1,078.17 tons, reflecting the state's significant reliance on local sources. Imports from neighbouring states and foreign countries contribute 548.56 tons, indicating a notable dependency on external supplies. The ratio between these sources is 50.88%, highlighting substantial differences in the composition of market arrivals. This is detailed in **Table No. 7.18**.

Table No. 7.18: Monthly market arrival of other items- Locally produced Vs Inflow

Serial No.	Mode of arrival	Quantity (In tons)
1	Locally produced+ Arrival from neighbouring districts	1078.17
2	Arrival from neighbouring states+ Arrival from foreign countries	548.56
3	Extent of dependence on external sources [Row (2)/ Row (1)*100]	50.88%

The commodity group wise and district wise distribution of market arrivals such as local production, arrivals from neighbouring districts, neighbouring states, and foreign imports is provided in **Annexure Table No. 13, 13.1 (Page 175-180)**. In addition, the commodity item wise distribution of these market arrivals is detailed in **Annexure Table Nos. 13.2 to 13.6 (Page 181-210)**.

7.16 Auction of Locally Produced Items

The survey collected details of wholesale markets where auctions of locally produced items take place. Out of 583 total non-exclusive wholesale markets, only 221 markets (37.91%) conduct auctions for locally produced items. Kollam has the highest number of such markets (51, 23.08% of the total), followed by Ernakulam and Thrissur, each with 32 markets (14.48%). Districts like Wayanad, Kozhikode, and Kannur show minimal or no participation in auctions, with Wayanad having no markets conducting auctions. The district-wise distribution of markets where auctions of locally produced items take place, is provided in **Table No. 7.19** below.

Table No. 7.19: District wise distribution non-exclusive wholesale markets in which auction of locally produced items takes place

Serial No.	District Name		No. of non-exclusive wholesale Markets	Markets with auction of locally produced items	
				Count	Percentage
(a)	(b)		(c)	(d)	(e)
1	Thiruvananthapuram		83	11	4.98%
2	Kollam		65	51	23.08%
3	Pathanamthitta		52	26	11.76%
4	Alappuzha		59	28	12.67%
5	Kottayam		27	6	2.71%
6	Idukki		30	12	5.43%
7	Ernakulam		60	32	14.48%
8	Thrissur		56	32	14.48%
9	Palakkad		27	12	5.43%
10	Malappuram		20	2	0.90%
11	Kozhikode		18	3	1.36%
12	Wayanad		36	0	0.00%
13	Kannur		33	1	0.45%
14	Kasargod		17	5	2.26%
Total		Count	**583**	**221**	**100.00%**
		Percentage	**100.00%**	**37.91%**	

7.17 Prominent Wholesale Traders

In the previous chapter, the monthly average number of traders operating within the markets and in the trade areas outside the markets was analysed. This section focuses on prominent wholesale traders identified through the survey, with the aim of supporting future price collection activities of the Market Intelligence Division. The dataset includes only the leading wholesalers operating in the surveyed wholesale markets, along with details of the commodities they transact, categorized by their type- whether primary or secondary.

Commodities were classified into two categories based on the nature of their transactions: (i) Primary commodities: Sourced locally and directly from farmers, representing the first transaction, (ii) Secondary commodities: Procured from other wholesalers. The criteria for selecting prominent wholesalers were as follows: (a) Willingness to provide price information during future visits, (b) Comprehensive knowledge of price fluctuations and their underlying factors, and (iii) Cooperative attitude toward survey activities.

For each major commodity available in the surveyed markets, three to five leading wholesalers were identified based on their critical role in trading specific commodities. A total of 4,003 prominent wholesalers were identified, of which 2,592 (64.75%) operate within the markets, and 1,411 (35.25%) operate outside the markets but within the trade areas. **Table No. 7.20** provides a district-wise distribution of these prominent wholesalers. Based on this data, a comprehensive directory of wholesalers has been prepared to facilitate the future activities of the Market Intelligence Division.

Table No. 7.20: District wise distribution of prominent wholesale traders

Serial No.	District Name	No. of traders		
		Within the market	Outside the market but within the trade area	Total
(a)	(b)	(c)	(d)	(e)
1	Thiruvananthapuram	414	140	**554**
2	Kollam	127	76	**203**
3	Pathanamthitta	153	107	**260**
4	Alappuzha	150	72	**222**
5	Kottayam	189	21	**210**
6	Idukki	88	55	**143**
7	Ernakulam	331	164	**495**
8	Thrissur	428	55	**483**
9	Palakkad	99	61	**160**
10	Malappuram	141	44	**185**
11	Kozhikode	194	306	**500**
12	Wayanad	47	29	**76**
13	Kannur	174	264	**438**
14	Kasargod	57	17	**74**
Total	Count	**2592**	**1411**	**4003**
	Percentage	**64.75%**	**35.25%**	

7.18 Wholesale Trade Centres

The survey identified 2,109 prominent wholesale trade centres operating independently outside the defined public market areas. These standalone establishments have emerged due to several factors, including insufficient market space within public markets, the need to integrate processing units with trading operations, and other logistical considerations. These centres are particularly favoured by farmers as they offer competitive prices and procure large quantities, especially during periods of market volatility.

The commodities traded at these centres were classified into two categories: primary commodities, sourced directly from farmers, and secondary commodities, procured from other wholesalers. The selection of these centres was guided by specific criteria, such as their willingness to share price data for future reference, their understanding of price fluctuations and contributing factors, and their cooperative approach to participating in survey activities.

The wholesale centres were systematically linked to the nearest surveyed public market to ensure accuracy, prevent duplication, and facilitate future identification within the survey. These trade centres play a pivotal role in agricultural trade and are essential for future price data collection initiatives undertaken by the Market Intelligence Division. The district-wise distribution of these wholesale trade centres is presented in **Table No. 7.21**. Furthermore, a comprehensive directory of these centres has been compiled to support the Market Intelligence Division's future activities.

Table No. 7.21: District wise distribution of prominent wholesale trade centres operating outside market area

Serial No.	District Name	No. of traders	Percentage Share (%)
1	Thiruvananthapuram	82	3.89%
2	Kollam	109	5.17%
3	Pathanamthitta	351	16.64%
4	Alappuzha	41	1.94%
5	Kottayam	9	0.43%
6	Idukki	437	20.72%
7	Ernakulam	105	4.98%
8	Thrissur	16	0.76%
9	Palakkad	128	6.07%
10	Malappuram	227	10.76%
11	Kozhikode	354	16.79%
12	Wayanad	117	5.55%
13	Kannur	61	2.89%
14	Kasargod	72	3.41%
Total		2109	100.00%

In conclusion, the analysis of market arrivals highlights state's heavy dependence on external sources, particularly for essential commodities such as grains, pulses, vegetables, dairy products, and meat. While the state demonstrates a strong local production base for spices, plantation crops, and certain tobacco products, the reliance on interstate trade underscores the critical role of external inflows in meeting consumer demand. The findings reveal the need for strategic interventions to boost local production, particularly in high demand categories, to enhance food security and reduce dependence on external sources. Strengthening self-sufficiency in key sectors will not only support the state's agricultural economy but also ensure the long term sustainability of its market systems.

Chapter 8

Malls, Supermarkets and Hypermarkets

Agricultural marketing, particularly in primary agricultural transactions, has undergone substantial transformations since the 1990s due to global economic reforms in India and Kerala. These changes have allowed large retail and wholesale monopolies to gain market control. Traditionally, farmers or their agents brought harvested commodities directly to public markets, where wholesalers, retailers, or consumers purchased them. Farmers had some influence over pricing, and the market operated without monopolistic dominance.

However, the rise of intermediaries, such as supply chain agents, reduced direct interactions between farmers and wholesalers, gradually shifting market control. Large monopolistic organizations took over wholesale procurement, initially as suppliers and intermediaries and later by establishing nationwide retail outlets. At their peak, these companies not only controlled agricultural sales but also engaged in contract farming. Today, a significant portion of agricultural production and marketing is managed by corporate entities, transforming farming into agribusiness.

These organizations benefit from advanced storage facilities, including cold storage units and warehouses, allowing them to store surplus or seasonal produce and sell it during periods of scarcity for higher profits. However, farmers receive only a small share of the market price. Despite this, they gain access to technical support, including high-yielding seeds, soil management guidance, and assistance with fertilizers and pesticides. Nevertheless, agriculture remains more profitable for entities involved in processing and marketing than for the farmers who produce the crops.

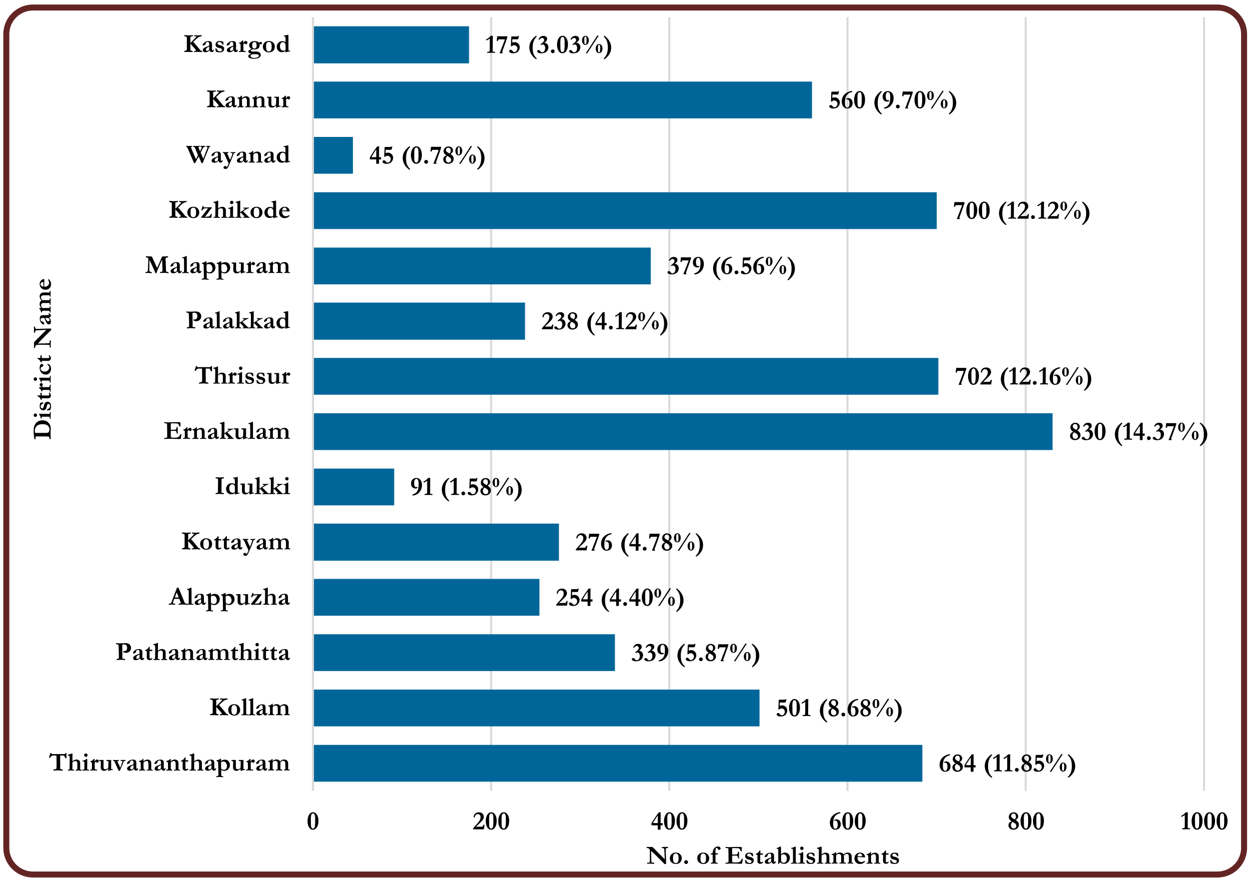
In Kerala, these shifts are evidently influenced in the agrarian economy. As a consumer state reliant on agricultural commodities from other states, marketing plays a crucial role. In recent years, the state has witnessed a surge in retail outlets, including margin free supermarkets, malls, and hypermarkets, in both rural and urban areas. These modern outlets are gradually replacing traditional agricultural markets, a trend exacerbated by the decline in agricultural practices, which has reduced the prominence of public markets.

The survey underlying this report collected data on traders operating within public agricultural markets and their surroundings, along with key wholesalers outside these markets. Additionally, it gathered comprehensive information on malls, supermarkets, and hypermarkets across Kerala. These modern retail outlets, which perform both wholesale and retail functions on a large scale, have surpassed traditional traders in market influence. The dataset serves as a foundational population frame for future studies on the evolving retail landscape in the state. The following sections provide a detailed analysis of the data collected on the operation of malls, supermarkets, and hypermarkets in Kerala.

8.1 Shopping Establishments

The survey results reveal that there are 5,774 retail shopping establishments across various districts of Kerala, including malls without supermarkets or hypermarkets, malls with supermarkets or hypermarkets, exclusive supermarkets, and exclusive hypermarkets. Among the districts, Ernakulam leads with 830 establishments, constituting 14.37% of the state's total, followed by Thrissur 702 (12.16%), Kozhikode 700 (12.12%) and Thriuvananthapuram 684 (11.85%). In contrast, rural districts such as Wayanad 45 (0.78%) and Idukki 91 (1.58%) have considerably fewer establishments. Further details are presented in **Chart No. 8.1**.

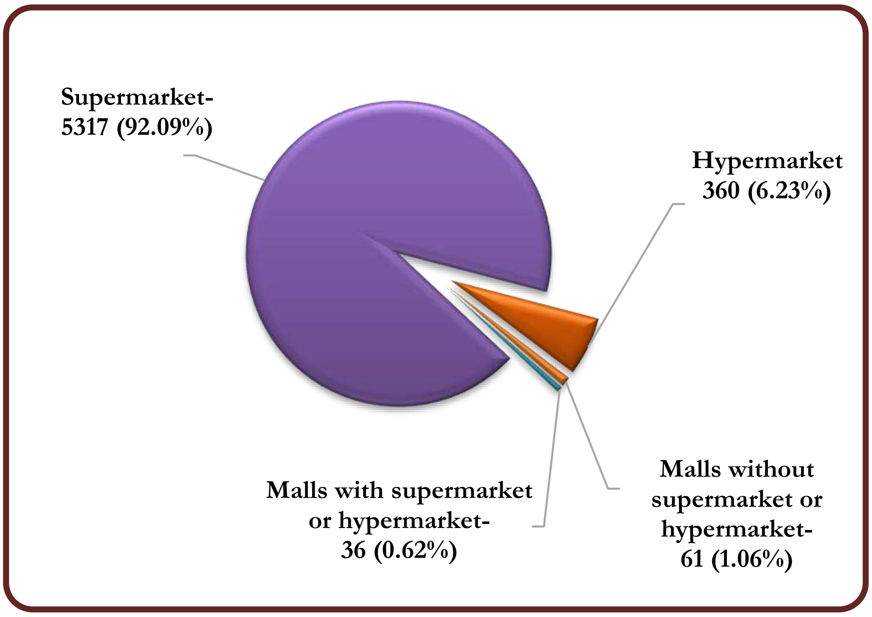
Chart No. 8.1: District wise distribution of shopping establishments



8.2 Shopping Establishments by Category

Shopping establishments are classified into four categories: malls without supermarkets or hypermarkets, malls with supermarkets or hypermarkets, exclusive supermarkets, and exclusive hypermarkets. Among these, supermarkets dominate with 5,317 establishments (92.09%), catering primarily to daily shopping needs. Hypermarkets account for 360 establishments (6.23%), offering a wider range of goods and services. Malls, in total, represent 97 establishments (1.68%), reflecting a smaller yet significant presence of modern retail formats. Of these, 61 (62.89%) are malls without a supermarket or hypermarket, while 36 (37.11%) include one. These details are illustrated in **Chart No. 8.2**, and the district wise distribution is provided in **Annexure Table No. 14 (Page 211)**.

Chart No. 8.2: No. of Shopping Establishments



8.2.1 Malls without Supermarket or Hypermarket

There are 61 malls, accounting for 1.06% of the total shopping establishments, primarily concentrated in urban areas. Malappuram leads with 12 (19.67%) malls, followed by Thrissur with 9 (14.75%) and Ernakulam with 8 (13.11%). Economic growth, infrastructure, and rapid urbanization in these districts contribute to their ability to support large scale retail formats. In contrast, rural districts like Wayanad, Idukki, and Pathanamthitta have no such malls. Details are provided in **Annexure Table No. 14 (Page 211)**.

8.2.2 Malls with Supermarket or Hypermarket

There are 36 malls that include a supermarket or hypermarket, making up 0.62% of the state's total shopping establishments. Kannur leads with 7 (19.44%), followed by Kozhikode with 6 (16.67%), while Malappuram and Ernakulam each have 4 (11.11%). Palakkad and Kasaragod have no such establishments. Details are provided in **Annexure Table No. 14 (Page 211)**.

8.2.3 Supermarkets

Supermarkets dominate the retail sector, comprising 5,317 of the 5,774 total establishments (92.09%). Ernakulam has the highest number with 794 (14.93%), followed by Thrissur with 657 (12.36%) and Thiruvananthapuram with 643 (12.09%). Wayanad has the fewest, with only 35 (0.66%), while Idukki has 80 (1.50%). Further details are provided in **Annexure Table No. 14 (Page 211)**.

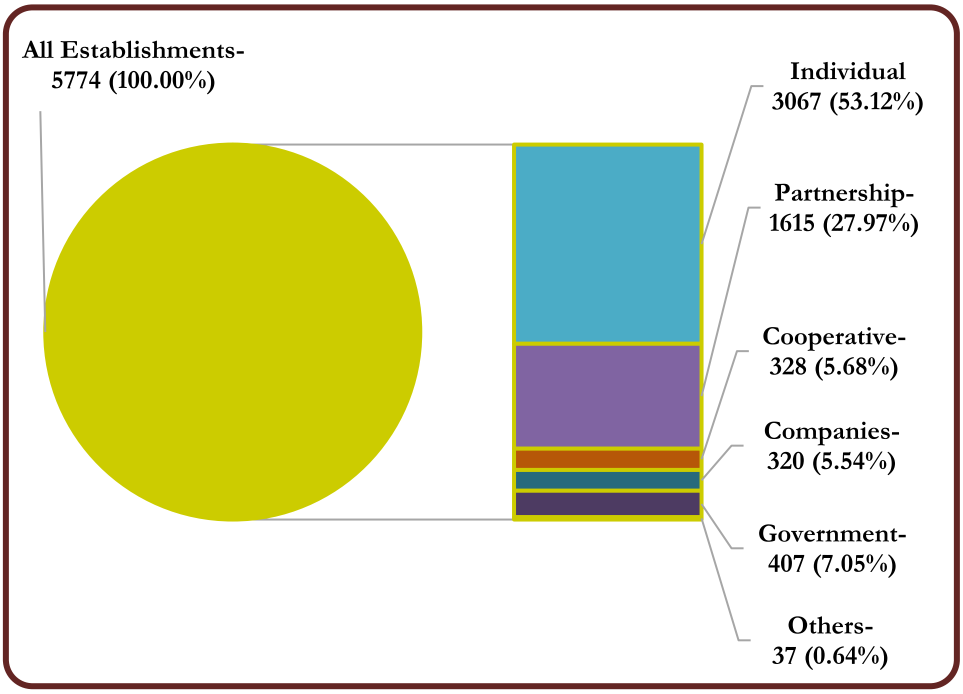
8.2.4 Hypermarkets

Out of the total 5,774 shopping establishments, 360 (6.23%) are hypermarkets. Kozhikode leads with 54 (15.00%), followed by Kannur with 45 (12.50%) and Thiruvananthapuram with 34 (9.44%). Wayanad has the lowest number, with only 9 (2.50%). Although hypermarkets are fewer than supermarkets, they offer a more comprehensive shopping experience and are typically located within malls or large standalone buildings. Details are provided in **Annexure Table No. 14 (Page 211)**.

8.3 Ownership

This section categorizes the shopping establishments across various districts of Kerala based on ownership types: Individual, Partnership, Cooperative, Companies, Government, and Others. The data shows that individual ownership is the most prevalent, accounting for 3,067 (53.12%) of the 5,774 establishments. Partnership ownership follows with 1,615 establishments (27.97%). Companies own 320 establishments (5.54%), while government ownership accounts for 407 (7.05%). The cooperative sector holds a modest share with 328 establishments (5.68%). The others category, which includes ownership models outside these classifications, represents 37 establishments (0.64%). Further details are illustrated in **Chart No. 8.3**.

Chart No. 8.3: Shopping establishments by Ownership



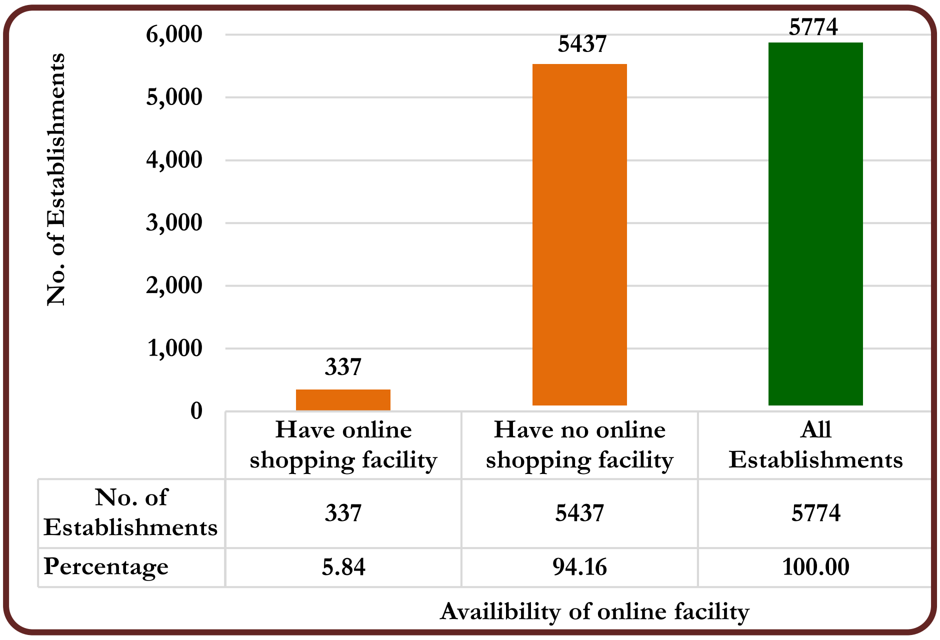
Across the state, individual ownership is most prevalent, particularly in Thiruvananthapuram, Ernakulam, and Palakkad, reflecting the dominance of small, independently operated shopping establishments at the district level. Partnership owned establishments are more common in Malappuram, Kozhikode, Wayanad, Kannur, and Kasaragod, indicating a regional preference for collaborative ventures. Company owned establishments are concentrated in Ernakulam and Thrissur, while government ownership is primarily seen in Kollam and Ernakulam. Additional details are available in **Annexure Table No. 14 (Page 211)**.

Ownership details for different types of establishments- malls without supermarkets or hypermarkets, malls with supermarkets or hypermarkets, exclusive supermarkets, and exclusive hypermarkets- are provided in **Annexure Table Nos. 14.1 to 14.4 (Page 212-213)**.

8.4 Online Shopping

A comprehensive analysis of 5,774 establishments in Kerala, categorized by their provision of online shopping facilities, highlights the growing adoption of e-commerce across districts. Of these, only 337 (5.84%) support online shopping, indicating that a relatively small portion of the state's retail sector has embraced e-commerce. The details are presented in **Chart No. 8.4**.

Chart No. 8.4: Shopping Establishments having online shopping facility



	Have online shopping facility	Have no online shopping facility	All Establishments
No. of Establishments	337	5437	5774
Percentage	5.84	94.16	100.00

At the district level, Kollam leads in e-commerce adoption, with 73 (14.57%) offering online shopping. Thiruvananthapuram (52, 10.38%) and Ernakulam (51, 10.18%) follow, reflecting moderate uptake in these urbanized districts. In contrast, Kannur (4, 0.80%) and Kasargod (3, 0.60%) show minimal adoption, highlighting a clear gap in e-commerce development. Detailed trends are provided in **Annexure Table No. 14 (Page 211)**. Given the post-pandemic shift toward online retail shopping, addressing these regional disparities is essential. Additionally, data on online shopping facilities in different types of establishments- malls without supermarkets or hypermarkets, malls with supermarkets or hypermarkets, exclusive supermarkets, and exclusive hypermarkets- are presented in **Annexure Table Nos. 14.1 to 14.4 (Page 212-213)**.

These integrated retail centres reflect a growing shift toward one-stop shopping, offering both daily necessities and specialized products, particularly in affluent and densely populated areas. The retail sector, especially malls, supermarkets, and hypermarkets, is primarily shaped by individual and partnership ownership, with corporate ownership concentrated in commercial hubs like Ernakulam and Thrissur. Government and cooperative ownership remain limited but strategically focused. The uneven expansion of online shopping underscores regional disparities, with urban centres leading digital retail adoption while rural areas struggle with infrastructure and economic constraints.

8.5 Shopping Establishment by LSGIs

The **Table No. 8.1** presents the district wise distribution of shopping establishments under Local Self Government Institutions (LSGIs) in Kerala, categorized by Grama Panchayaths, Municipalities, and Municipal Corporations. Grama Panchayaths account for the majority of shopping establishments, comprising 65.85% of the total, with supermarkets being the dominant type (62.02%). Municipalities contribute 19.59%, also dominated by supermarkets (16.97%), while Municipal Corporations represent 14.57%, with supermarkets accounting for 13.09%. Malls with or without supermarkets or hypermarkets constitute a small share across all categories, collectively below 1%. This distribution highlights the prevalence of supermarkets, particularly in rural areas under Grama Panchayaths, while malls and hypermarkets remain less common, indicating potential gaps in modern retail infrastructure. District wise distribution of shopping establishment by LSGI wise is provided in **Annexure Table No. 14.5 (Page 214)**.

Table No. 8.1: Distribution of LSGI wise shopping establishments by category

Serial No.	Type of LSGI	Category of Shopping Establishment	No. of Establishments	Share (%)
1	Grama Panchayath	Malls without supermarket or hyper market	19	0.33%
		Malls with supermarket or hyper market	12	0.21%
		Supermarket	3581	62.02%
		Hyper market	190	3.29%
		Sub Total	**3802**	**65.85%**
2	Municipality	Malls without supermarket or hyper market	21	0.36%
		Malls with supermarket or hyper market	19	0.33%
		Supermarket	980	16.97%
		Hyper market	111	1.92%
		Sub Total	**1131**	**19.59%**
3	Municipal Corporation	Malls without supermarket or hyper market	21	0.36%
		Malls with supermarket or hyper market	5	0.09%
		Supermarket	756	13.09%
		Hyper market	59	1.02%
		Sub Total	**841**	**14.57%**
Grand Total			**5774**	**100.00%**

In conclusion, the retail landscape in Kerala is witnessing a significant transformation with the growing presence of malls, supermarkets, and hypermarkets, primarily concentrated in urban and semi urban areas. Supermarkets dominate the sector, highlighting their role in fulfilling daily consumer needs, while hypermarkets and malls cater to broader and more specialized demands. Ownership patterns reflect a strong prevalence of individual and partnership-based establishments, with corporate and government participation being relatively limited. The slow adoption of online shopping facilities, especially in rural areas, underscores regional disparities in e-commerce readiness. These findings highlight the need for strategic investments in digital infrastructure and equitable retail development to bridge gaps between urban and rural markets, ensuring an inclusive retail framework for Kerala.

Chapter 9

Covid- 19 Impact

The survey conducted during February-March 2022 examined the impact of the COVID-19 pandemic on agricultural markets. The pandemic, which began in March 2020, had a far-reaching effect not only on the state but also nationally and globally. The restrictions imposed to contain the virus drastically affected every sector of the economy, and agricultural markets were no exception. The survey gathered information on the effects of COVID-19 on agricultural markets and how the restrictions impacted the livelihoods of traders. Issues reported by traders across districts exhibited similar patterns, with no significant regional distinctions. The key findings are outlined below.

The COVID-19 pandemic severely disrupted agricultural markets across the state. The complete lockdown and subsequent restrictions led to widespread disruptions in market operations, creating significant challenges for traders, farmers, and consumers. The closure of traditional marketplaces triggered a ripple effect, disrupting supply chains and threatening the livelihoods of those dependent on these markets. Farmers struggled to sell their produce due to the absence of functional markets, while traders dealt with unsold inventory, financial losses, and limited access to consumers.

The pandemic caused a major shift in trading practices. Traditional market systems, which had long been the backbone of agricultural trade, experienced a marked decline in activity due to reduced footfall and operational suspensions. Many traders were compelled to explore alternative livelihoods, such as street vending, door-to-door delivery, and decentralized trading mechanisms like vegetable route sales. While these alternatives addressed immediate consumer needs, they significantly undermined the financial stability of wholesale traders and traditional market sellers.

The pandemic exposed critical weaknesses in market infrastructure. The lack of adequate storage facilities in agricultural markets led to significant losses, particularly for perishable goods such as fruits and vegetables. With limited options for storage and transportation, traders were often forced to sell their produce at lower prices or discard unsold goods, exacerbating their financial strain. Many traders, already burdened with business loans, found it increasingly difficult to sustain operations. Restrictions on interstate transportation and public gatherings further hindered the marketing and distribution of commodities, resulting in economic setbacks for both farmers and traders.

Consumer behaviour underwent a significant transformation during the pandemic. Physical distancing measures and restrictions on movement led to increased reliance on online commerce and doorstep delivery systems. Consumers have increasingly turned away from traditional markets, opting instead for direct purchases from local producers or small-scale traders operating outside formal market area. While this shift offered convenience to consumers, it prolonged the downturn in traditional market activities and impacted on the livelihoods of traders operating within those systems.

Certain markets were particularly vulnerable to the pandemic's effects. Markets heavily reliant on tourism suffered greatly due to a sharp decline in tourist arrivals, leading to plummeting trade volumes. Labour shortages and disruptions in exports further compounded the challenges faced by these markets. Wholesale and retail markets for fruits, vegetables, and livestock experienced substantial losses due to the lack of efficient storage and transportation, resulting in widespread spoilage and additional cleanup costs for traders.

Amid these challenges, the lockdown period saw a temporary surge in local agricultural activities. Many individuals turned to farming and fish production, leading to increased local production of vegetables and fish. However, this oversupply, coupled with reduced demand in traditional markets, created new challenges for farmers and traders. These developments underscored the need for resilient and adaptable market systems capable of managing such fluctuations.

The pandemic highlighted the vulnerabilities of agricultural markets and the broader trade network, emphasizing the need for improved infrastructure, better market access, and innovative support mechanisms for traders. Government initiatives, such as ensuring the availability of essential commodities and gradually reopening markets, provided some relief. However, the recovery has been uneven. Retail trading activities that moved from traditional markets to roadside and street vending have not fully returned to pre-pandemic locations, affecting traffic to markets. Additionally, ongoing renovation work in some markets has further impeded the return of traders and end consumers.

In conclusion, the COVID-19 pandemic significantly disrupted agricultural markets, exposing systemic weaknesses and accelerating shifts in trading practices. The long-term recovery of these markets will depend on targeted interventions, such as enhancing storage infrastructure, supporting decentralized trading mechanisms, and adapting to evolving consumer and trader needs. While agricultural markets are showing signs of recovery, the full restoration of pre-pandemic activity levels remains uncertain. Strengthening these aspects will be critical for revitalizing agricultural trade and ensuring the livelihoods of those dependent on it.

Chapter 10

Conclusion

Agricultural markets are a vital and dynamic component of the agricultural marketing system, serving as a means of livelihood to a significant segment of the population, including traders, farmers, suppliers, transport and logistics personnel, cleaners, and auctioneers. These markets play a crucial role in driving the economic activity in other sectors by supplying essential ingredients and raw materials. The operational characteristics of agricultural markets, such as the types of transactions, frequency of operations, business hours, commodities traded, market arrivals, and the influx of seasonal traders, significantly influence their overall functionality.

In the recent context, consumer preferences for shopping establishments have shifted, with greater emphasis on hygiene, sanitation, and customer service, which substantially affect purchasing behaviour and decision making. Time efficiency in obtaining services has also become a critical consideration for consumers. The survey findings indicate that, although basic infrastructure is available in most markets, there are significant gaps in facilities for handling agricultural commodities. These include sorting, grading, processing, packing, labeling, cold storage, ripening chambers, and export related infrastructure. Moreover, access to warehouse services remains limited, with only a small proportion of traders utilizing warehouses, primarily for storage purposes.

While many markets have permanent structures, their adequacy to meet present and future demands requires detailed assessments through specialized studies, which lie beyond the scope of this survey. The development of market related infrastructure in Kerala has been primarily driven by the Government and Local Self-Government Institutions. The state has witnessed notable transformations in the agricultural sector, particularly after the liberalization, privatization, and globalization (LPG) reforms of the 1990s. Marketing infrastructure has been supported by various institutions, including those under the central and state governments, as well as local self-government institutions. Programs organized by the Department of Agriculture and Farmers Welfare, Horticorp, and the Vegetable and Fruit Promotion Council of Kerala (VFPCK) have addressed challenges such as middleman intervention and indirect marketing of farm produce.

A key finding of the survey is the limited utilization of warehouse services by traders, which results in the immediate sale of agricultural commodities upon arrival. This practice often leads to low price realization due to market gluts and distress sales, highlighting the critical need for improved storage and post-harvest management solutions. Government interventions in agricultural markets, such as direct procurement of produce by agencies like VFPCK, Horticorp, cooperative societies, and other government entities, have been beneficial for farmers. However, when viewed through the lens of agriculture as a business, these measures fall short of ensuring a comprehensive and centralized agricultural infrastructure.

The survey further reveals that the market arrivals in Kerala predominantly depend on supplies from other states, with locally produced commodities contributing only a small fraction. Locally produced items are often routed to specialized farmer-centric markets operated by agencies such as VFPCK, farmer fraternities, and cooperative societies, while multi-commodity public markets primarily handle arrivals from other states. This dependency on external supplies underscores the need for strategies to strengthen the integration of local produce into mainstream markets.

The proliferation of malls, supermarkets, and hypermarkets has posed additional challenges for agricultural markets. These modern establishments offer superior shopping experiences, creating an infrastructure gap that traditional markets struggle to bridge. Although auction systems exist in some markets for locally produced commodities, they face competition from the pricing of products sourced from other states. Strengthening the linkages between farmer-oriented markets and public markets could enhance price stability and improve the movement of goods, thereby benefiting both farmers and consumers. The reliance on cash transactions remains predominant in public markets, despite the pandemic-driven push for digital payment adoption. Similarly, many farmers and traders still depend on word-of-mouth communication to discover market prices, rather than utilizing market information centers or price information systems.

In conclusion, agricultural markets in Kerala play a pivotal role in the state's economy but face critical challenges related to infrastructure inadequacies, evolving consumer expectations, and the need for better market integration and management. Addressing these challenges through targeted interventions, improved infrastructure, and enhanced market linkages is essential to ensure the sustainability and resilience of the agricultural marketing system in the state. The data collected through this survey is expected to provide valuable insights to academicians, researchers, policymakers, and other stakeholders, contributing to informed decision-making and future advancements in agricultural marketing.

ANNEXURE I

Detailed Tables

Annexure Table No. 1: District Wise Distribution Of Exclusive Markets Based On Transaction Volume And Types Of Non-exclusive Wholesale Markets Classified By Nature Of Transactions											
Serial No.	District Name	No. of Markets	No. of exclusive category of markets based on transaction volume			No. of Non-exclusive Wholesale Markets [(d)+(f)]	No. of non-exclusive wholesale markets by nature of transactions				
			Exclusive Wholesale	Exclusive Retail	Both Wholesale & Retail		Primary	Secondary	Terminal	Primary & Terminal	Primary, Secondary & Terminal
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
1	Thiruvananthapuram	270	9	187	74	83	12	9	14	35	13
2	Kollam	185	40	120	25	65	38	7	2	12	6
3	Pathanamthitta	86	17	34	35	52	28	5	1	4	14
4	Alappuzha	98	17	39	42	59	23	17	10	7	2
5	Kottayam	105	7	78	20	27	11	0	1	9	6
6	Idukki	36	17	6	13	30	10	3	1	7	9
7	Ernakulam	126	9	66	51	60	31	5	1	9	14
8	Thrissur	118	14	62	42	56	39	8	0	1	8
9	Palakkad	35	19	8	8	27	19	2	4	0	2
10	Malappuram	41	10	21	10	20	10	1	1	1	7
11	Kozhikode	31	2	13	16	18	12	1	0	0	5
12	Wayanad	40	4	4	32	36	12	2	0	6	16
13	Kannur	56	1	23	32	33	16	2	0	0	15
14	Kasargod	21	7	4	10	17	13	0	0	0	4
Total	Count	**1248**	**173**	**665**	**410**	**583**	**274**	**62**	**35**	**91**	**121**
	Percentage	**100.00**	**13.86**	**53.29**	**32.85**	**100.00**	**47.00**	**10.63**	**6.00**	**15.61**	**20.75**

Annexure Table No. 1.1: District Wise Distribution Of Exclusive Category Markets Under Local Self Government Institutions														
Serial No.	District Name	No. of Markets	Grama Panchayath				Municipality				Municipal Corporation			
			Exclusive Wholesale	Exclusive Retail	Both Wholesale and Retail	Total [(d)+(e)+(f)]	Exclusive Wholesale	Exclusive Retail	Both Wholesale and Retail	Total [(h)+(i)+(j)]	Exclusive Wholesale	Exclusive Retail	Both Wholesale and Retail	Total [(l)+(m)+(n)]
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	Thiruvananthapuram	270	9	150	52	211	0	12	10	22	0	25	12	37
2	Kollam	185	39	100	21	160	1	2	3	6	0	18	1	19
3	Pathanamthitta	86	15	30	27	72	2	4	8	14	0	0	0	0
4	Alappuzha	98	16	31	37	84	1	8	5	14	0	0	0	0
5	Kottayam	105	7	75	13	95	0	3	7	10	0	0	0	0
6	Idukki	36	16	6	11	33	1	0	2	3	0	0	0	0
7	Ernakulam	126	7	35	34	76	2	11	13	26	0	20	4	24
8	Thrissur	118	11	42	27	80	1	7	11	19	2	13	4	19
9	Palakkad	35	17	4	7	28	2	4	1	7	0	0	0	0
10	Malappuram	41	8	19	5	32	2	2	5	9	0	0	0	0
11	Kozhikode	31	1	12	11	24	0	1	1	2	1	0	4	5
12	Wayanad	40	3	3	25	31	1	1	7	9	0	0	0	0
13	Kannur	56	1	22	17	40	0	0	13	13	0	1	2	3
14	Kasargod	21	6	4	7	17	1	0	3	4	0	0	0	0
Total	Count	**1248**	**156**	**533**	**294**	**983**	**14**	**55**	**89**	**158**	**3**	**77**	**27**	**107**
	Percentage	**100.00%**	**12.50%**	**42.71%**	**23.56%**	**78.77%**	**1.12%**	**4.41%**	**7.13%**	**12.66%**	**0.24%**	**6.17%**	**2.16%**	**8.57%**

Annexure Table No. 2: District Wise Distribution Of Markets By Year Of Establishment										
Serial No.	District Name		No. of Markets	Year of Establishment*						
				Less than 1	1 - 5	5 - 10	10 - 20	20 - 50	50 - 100	More than 100
(a)	(b)		(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Thiruvananthapuram		270	0	28	14	27	96	100	5
2	Kollam		185	0	17	15	39	49	57	8
3	Pathanamthitta		86	0	4	10	25	13	24	10
4	Alappuzha		98	0	4	12	10	21	30	21
5	Kottayam		105	4	20	34	14	17	13	3
6	Idukki		36	0	4	8	17	3	4	0
7	Ernakulam		126	1	10	22	21	38	26	8
8	Thrissur		118	3	35	23	12	27	13	5
9	Palakkad		35	1	1	5	12	11	4	1
10	Malappuram		41	1	9	9	5	12	5	0
11	Kozhikode		31	1	9	3	7	3	5	3
12	Wayanad		40	0	0	9	14	7	10	0
13	Kannur		56	0	8	11	16	16	3	2
14	Kasargod		21	0	0	5	5	9	2	0
Total		Count	**1248**	**11**	**149**	**180**	**224**	**322**	**296**	**66**
		Percentage	**100.00%**	**0.88%**	**11.94%**	**14.42%**	**17.95%**	**25.80%**	**23.72%**	**5.29%**

Each size class includes its lower limit.

Annexure Table No. 2.1: District Wise Distribution Of Exclusive Wholesale Markets By Year Of Establishment									
Serial No.	District Name	No. of Markets	Year of Establishment*						
			Less than 1	1 - 5	5 - 10	10 - 20	20 - 50	50 - 100	More than 100
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Thiruvananthapuram	9	0	2	1	2	1	3	0
2	Kollam	40	0	5	9	21	2	3	0
3	Pathanamthitta	17	0	2	4	9	1	1	0
4	Alappuzha	17	0	3	6	4	3	0	1
5	Kottayam	7	0	0	0	1	6	0	0
6	Idukki	17	0	1	5	10	1	0	0
7	Ernakulam	9	0	0	0	2	6	1	0
8	Thrissur	14	0	2	0	2	7	2	1
9	Palakkad	19	0	1	4	8	6	0	0
10	Malappuram	10	0	0	1	3	5	1	0
11	Kozhikode	2	0	0	0	0	1	0	1
12	Wayanad	4	0	0	0	2	2	0	0
13	Kannur	1	0	0	1	0	0	0	0
14	Kasargod	7	0	0	1	2	4	0	0
Total	Count	**173**	**0**	**16**	**32**	**66**	**45**	**11**	**3**
	Percentage	**100.00%**	**0.00%**	**9.25%**	**18.50%**	**38.15%**	**26.01%**	**6.36%**	**1.73%**

Each size class includes its lower limit.

Annexure Table No. 2.2: District Wise Distribution Of Exclusive Retail Markets By Year Of Establishment										
Serial No.	District Name		No. of Markets	Year of Establishment*						
				Less than 1	1 - 5	5 - 10	10 - 20	20 - 50	50 - 100	More than 100
(a)	(b)		(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Thiruvananthapuram		187	0	23	10	7	73	73	1
2	Kollam		120	0	6	6	13	41	49	5
3	Pathanamthitta		34	0	2	4	7	7	11	3
4	Alappuzha		39	0	0	1	1	10	19	8
5	Kottayam		78	4	20	26	10	10	8	0
6	Idukki		6	0	2	2	1	1	0	0
7	Ernakulam		66	1	9	16	10	13	11	6
8	Thrissur		62	2	30	15	3	7	4	1
9	Palakkad		8	1	0	1	2	3	1	0
10	Malappuram		21	1	8	8	2	2	0	0
11	Kozhikode		13	1	6	1	2	0	3	0
12	Wayanad		4	0	0	1	2	1	0	0
13	Kannur		23	0	8	7	4	3	1	0
14	Kasargod		4	0	0	0	1	2	1	0
Total		Count	665	10	114	98	65	173	181	24
		Percentage	100.00%	1.50%	17.14%	14.74%	9.77%	26.02%	27.22%	3.61%

Each size class includes its lower limit.

Annexure Table No. 2.3: District Wise Distribution Of Both Wholesale And Retail Markets By Year Of Establishment										
Serial No.	District Name		No. of Markets	Year of Establishment*						
				Less than 1	1 - 5	5 - 10	10 - 20	20 - 50	50 - 100	More than 100
(a)	(b)		(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	Thiruvananthapuram		74	0	3	3	18	22	24	4
2	Kollam		25	0	6	0	5	6	5	3
3	Pathanamthitta		35	0	0	2	9	5	12	7
4	Alappuzha		42	0	1	5	5	8	11	12
5	Kottayam		20	0	0	8	3	1	5	3
6	Idukki		13	0	1	1	6	1	4	0
7	Ernakulam		51	0	1	6	9	19	14	2
8	Thrissur		42	1	3	8	7	13	7	3
9	Palakkad		8	0	0	0	2	2	3	1
10	Malappuram		10	0	1	0	0	5	4	0
11	Kozhikode		16	0	3	2	5	2	2	2
12	Wayanad		32	0	0	8	10	4	10	0
13	Kannur		32	0	0	3	12	13	2	2
14	Kasargod		10	0	0	4	2	3	1	0
Total		Count	410	1	19	50	93	104	104	39
		Percentage	100.00%	0.24%	4.63%	12.20%	22.68%	25.37%	25.37%	9.51%

Each size class includes its lower limit.

Annexure Table No. 2.4: District Wise Distribution Of Markets Under Local Self Government Institutions By Year Of Establishment

Serial No.	District Name	No. of Markets	Year of Establishment*																							
			Grama Panchayath								Municipality								Municipal Corporation							
			Less than 1	1 - 5	5 - 10	10 - 20	20 - 50	50 - 100	More than 100	Total	Less than 1	1 - 5	5 - 10	10 - 20	20 - 50	50 - 100	More than 100	Total	Less than 1	1 - 5	5 - 10	10 - 20	20 - 50	50 - 100	More than 100	Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)	(aa)
1	Thiruvananthapuram	**270**	0	26	11	22	68	82	2	**211**	0	2	1	2	6	10	1	**22**	0	0	2	3	22	8	2	**37**
2	Kollam	**185**	0	17	14	35	45	44	5	**160**	0	0	1	2	0	2	1	**6**	0	0	0	2	4	11	2	**19**
3	Pathanamthitta	**86**	0	4	10	25	10	16	7	**72**	0	0	0	0	3	8	3	**14**	0	0	0	0	0	0	0	**0**
4	Alappuzha	**98**	0	4	12	10	17	26	15	**84**	0	0	0	0	4	4	6	**14**	0	0	0	0	0	0	0	**0**
5	Kottayam	**105**	4	20	33	14	14	8	2	**95**	0	0	1	0	3	5	1	**10**	0	0	0	0	0	0	0	**0**
6	Idukki	**36**	0	4	8	16	2	3	0	**33**	0	0	0	1	1	1	0	**3**	0	0	0	0	0	0	0	**0**
7	Ernakulam	**126**	0	6	20	17	22	9	2	**76**	1	2	0	2	9	8	4	**26**	0	2	2	2	7	9	2	**24**
8	Thrissur	**118**	3	27	20	10	14	4	2	**80**	0	2	3	2	6	5	1	**19**	0	6	0	0	7	4	2	**19**
9	Palakkad	**35**	1	0	4	10	9	3	1	**28**	0	1	1	2	2	1	0	**7**	0	0	0	0	0	0	0	**0**
10	Malappuram	**41**	1	9	9	4	7	2	0	**32**	0	0	0	1	5	3	0	**9**	0	0	0	0	0	0	0	**0**
11	Kozhikode	**31**	1	9	3	4	3	4	0	**24**	0	0	0	2	0	0	0	**2**	0	0	0	1	0	1	3	**5**
12	Wayanad	**40**	0	0	7	11	6	7	0	**31**	0	0	2	3	1	3	0	**9**	0	0	0	0	0	0	0	**0**
13	Kannur	**56**	0	8	11	12	8	1	0	**40**	0	0	0	4	6	2	1	**13**	0	0	0	0	2	0	1	**3**
14	Kasargod	**21**	0	0	5	5	6	1	0	**17**	0	0	0	0	3	1	0	**4**	0	0	0	0	0	0	0	**0**
Total	Count	**1248**	**10**	**134**	**167**	**195**	**231**	**210**	**36**	**983**	**1**	**7**	**9**	**21**	**49**	**53**	**18**	**158**	**0**	**8**	**4**	**8**	**42**	**33**	**12**	**107**
	Percentage	**100.00%**	**0.80%**	**10.74%**	**13.38%**	**15.63%**	**18.51%**	**16.83%**	**2.88%**	**78.77%**	**0.08%**	**0.56%**	**0.72%**	**1.68%**	**3.93%**	**4.25%**	**1.44%**	**12.66%**	**0.00%**	**0.64%**	**0.32%**	**0.64%**	**3.37%**	**2.64%**	**0.96%**	**8.57%**

Each size class includes its lower limit.

Annexure Table No. 2.5: District Wise Distribution Of Exclusive Wholesale Markets Under Local Self Government Institutions By Year Of Establishment																											
Serial No.	District Name		No. of Markets	Year of Establishment*																							
				Grama Panchayath								Municipality								Municipal Corporation							
				Less than 1	1 - 5	5 - 10	10 - 20	20 - 50	50 - 100	More than 100	Total	Less than 1	1 - 5	5 - 10	10 - 20	20 - 50	50 - 100	More than 100	Total	Less than 1	1 - 5	5 - 10	10 - 20	20 - 50	50 - 100	More than 100	Total
(a)	(b)		(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)	(aa)
1	Thiruvananthapuram		9	0	2	1	2	1	3	0	**9**	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**
2	Kollam		40	0	5	8	21	2	3	0	**39**	0	0	1	0	0	0	0	**1**	0	0	0	0	0	0	0	**0**
3	Pathanamthitta		17	0	2	4	9	0	0	0	**15**	0	0	0	0	1	1	0	**2**	0	0	0	0	0	0	0	**0**
4	Alappuzha		17	0	3	6	4	2	0	1	**16**	0	0	0	0	1	0	0	**1**	0	0	0	0	0	0	0	**0**
5	Kottayam		7	0	0	0	1	6	0	0	**7**	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**
6	Idukki		17	0	1	5	9	1	0	0	**16**	0	0	0	1	0	0	0	**1**	0	0	0	0	0	0	0	**0**
7	Ernakulam		9	0	0	0	2	5	0	0	**7**	0	0	0	0	1	1	0	**2**	0	0	0	0	0	0	0	**0**
8	Thrissur		14	0	2	0	2	6	1	0	**11**	0	0	0	0	1	0	0	**1**	0	0	0	0	0	1	1	**2**
9	Palakkad		19	0	0	3	8	6	0	0	**17**	0	1	1	0	0	0	0	**2**	0	0	0	0	0	0	0	**0**
10	Malappuram		10	0	0	1	3	4	0	0	**8**	0	0	0	0	1	1	0	**2**	0	0	0	0	0	0	0	**0**
11	Kozhikode		2	0	0	0	0	1	0	0	**1**	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	1	**1**
12	Wayanad		4	0	0	0	2	1	0	0	**3**	0	0	0	0	1	0	0	**1**	0	0	0	0	0	0	0	**0**
13	Kannur		1	0	0	1	0	0	0	0	**1**	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**
14	Kasargod		7	0	0	1	2	3	0	0	**6**	0	0	0	0	1	0	0	**1**	0	0	0	0	0	0	0	**0**
Total		Count	**173**	**0**	**15**	**30**	**65**	**38**	**7**	**1**	**156**	**0**	**1**	**2**	**1**	**7**	**3**	**0**	**14**	**0**	**0**	**0**	**0**	**0**	**1**	**2**	**3**
		Percentage	**100.00%**	**0.00%**	**8.67%**	**17.34%**	**37.57%**	**21.97%**	**4.05%**	**0.58%**	**90.17%**	**0.00%**	**0.58%**	**1.16%**	**0.58%**	**4.05%**	**1.73%**	**0.00%**	**8.09%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.58%**	**1.16%**	**1.73%**

Each size class includes its lower limit.

Annexure Table No. 2.6: District Wise Distribution Of Exclusive Retail Markets Under Local Self Government Institutions By Year Of Establishment

Serial No.	District Name	No. of Markets	Year of Establishment*																							
			Grama Panchayath								Municipality								Municipal Corporation							
			Less than 1	1 - 5	5 - 10	10 - 20	20 - 50	50 - 100	More than 100	Total	Less than 1	1 - 5	5 - 10	10 - 20	20 - 50	50 - 100	More than 100	Total	Less than 1	1 - 5	5 - 10	10 - 20	20 - 50	50 - 100	More than 100	Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)	(aa)
1	Thiruvananthapuram	187	0	22	8	5	53	62	0	**150**	0	1	1	0	5	5	0	**12**	0	0	1	2	15	6	1	**25**
2	Kollam	120	0	6	6	9	37	38	4	**100**	0	0	0	2	0	0	0	**2**	0	0	0	2	4	11	1	**18**
3	Pathanamthitta	34	0	2	4	7	6	9	2	**30**	0	0	0	0	1	2	1	**4**	0	0	0	0	0	0	0	**0**
4	Alappuzha	39	0	0	1	1	7	16	6	**31**	0	0	0	0	3	3	2	**8**	0	0	0	0	0	0	0	**0**
5	Kottayam	78	4	20	26	10	8	7	0	**75**	0	0	0	0	2	1	0	**3**	0	0	0	0	0	0	0	**0**
6	Idukki	6	0	2	2	1	1	0	0	**6**	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**
7	Ernakulam	66	0	5	14	7	5	2	2	**35**	1	2	0	1	3	2	2	**11**	0	2	2	2	5	7	2	**20**
8	Thrissur	62	2	23	13	2	0	1	1	**42**	0	1	2	1	2	1	0	**7**	0	6	0	0	5	2	0	**13**
9	Palakkad	8	1	0	1	0	1	1	0	**4**	0	0	0	2	2	0	0	**4**	0	0	0	0	0	0	0	**0**
10	Malappuram	21	1	8	8	1	1	0	0	**19**	0	0	0	1	1	0	0	**2**	0	0	0	0	0	0	0	**0**
11	Kozhikode	13	1	6	1	1	0	3	0	**12**	0	0	0	1	0	0	0	**1**	0	0	0	0	0	0	0	**0**
12	Wayanad	4	0	0	1	1	1	0	0	**3**	0	0	0	1	0	0	0	**1**	0	0	0	0	0	0	0	**0**
13	Kannur	23	0	8	7	4	2	1	0	**22**	0	0	0	0	0	0	0	**0**	0	0	0	0	1	0	0	**1**
14	Kasargod	4	0	0	0	1	2	1	0	**4**	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**
Total	**Count**	**665**	**9**	**102**	**92**	**50**	**124**	**141**	**15**	**533**	**1**	**4**	**3**	**9**	**19**	**14**	**5**	**55**	**0**	**8**	**3**	**6**	**30**	**26**	**4**	**77**
	Percentage	**100.00%**	**1.35%**	**15.34%**	**13.83%**	**7.52%**	**18.65%**	**21.20%**	**2.26%**	**80.15%**	**0.15%**	**0.60%**	**0.45%**	**1.35%**	**2.86%**	**2.11%**	**0.75%**	**8.27%**	**0.00%**	**1.20%**	**0.45%**	**0.90%**	**4.51%**	**3.91%**	**0.60%**	**11.58%**

Each size class includes its lower limit.

Annexure Table No. 2.7: District Wise Distribution Of Both Wholesale And Retail Markets Under Local Self Government Institutions By Year Of Establishment

Serial No.	District Name	No. of Markets	Year of Establishment*																							
			Grama Panchayath								Municipality								Municipal Corporation							
			Less than 1	1 - 5	5 - 10	10 - 20	20 - 50	50 - 100	More than 100	Total	Less than 1	1 - 5	5 - 10	10 - 20	20 - 50	50 - 100	More than 100	Total	Less than 1	1 - 5	5 - 10	10 - 20	20 - 50	50 - 100	More than 100	Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)	(aa)
1	Thiruvananthapuram	74	0	2	2	15	14	17	2	**52**	0	1	0	2	1	5	1	**10**	0	0	1	1	7	2	1	**12**
2	Kollam	25	0	6	0	5	6	3	1	**21**	0	0	0	0	0	2	1	**3**	0	0	0	0	0	0	1	**1**
3	Pathanamthitta	35	0	0	2	9	4	7	5	**27**	0	0	0	0	1	5	2	**8**	0	0	0	0	0	0	0	**0**
4	Alappuzha	42	0	1	5	5	8	10	8	**37**	0	0	0	0	0	1	4	**5**	0	0	0	0	0	0	0	**0**
5	Kottayam	20	0	0	7	3	0	1	2	**13**	0	0	1	0	1	4	1	**7**	0	0	0	0	0	0	0	**0**
6	Idukki	13	0	1	1	6	0	3	0	**11**	0	0	0	0	1	1	0	**2**	0	0	0	0	0	0	0	**0**
7	Ernakulam	51	0	1	6	8	12	7	0	**34**	0	0	0	1	5	5	2	**13**	0	0	0	0	2	2	0	**4**
8	Thrissur	42	1	2	7	6	8	2	1	**27**	0	1	1	1	3	4	1	**11**	0	0	0	0	2	1	1	**4**
9	Palakkad	8	0	0	0	2	2	2	1	**7**	0	0	0	0	0	1	0	**1**	0	0	0	0	0	0	0	**0**
10	Malappuram	10	0	1	0	0	2	2	0	**5**	0	0	0	0	3	2	0	**5**	0	0	0	0	0	0	0	**0**
11	Kozhikode	16	0	3	2	3	2	1	0	**11**	0	0	0	1	0	0	0	**1**	0	0	0	1	0	1	2	**4**
12	Wayanad	32	0	0	6	8	4	7	0	**25**	0	0	2	2	0	3	0	**7**	0	0	0	0	0	0	0	**0**
13	Kannur	32	0	0	3	8	6	0	0	**17**	0	0	0	4	6	2	1	**13**	0	0	0	0	1	0	1	**2**
14	Kasargod	10	0	0	4	2	1	0	0	**7**	0	0	0	0	2	1	0	**3**	0	0	0	0	0	0	0	**0**
Total	Count	**410**	**1**	**17**	**45**	**80**	**69**	**62**	**20**	**294**	**0**	**2**	**4**	**11**	**23**	**36**	**13**	**89**	**0**	**0**	**1**	**2**	**12**	**6**	**6**	**27**
	Percentage	**100.00%**	**0.24%**	**4.15%**	**10.98%**	**19.51%**	**16.83%**	**15.12%**	**4.88%**	**71.71%**	**0.00%**	**0.49%**	**0.98%**	**2.68%**	**5.61%**	**8.78%**	**3.17%**	**21.71%**	**0.00%**	**0.00%**	**0.24%**	**0.49%**	**2.93%**	**1.46%**	**1.46%**	**6.59%**

Each size class includes its lower limit.

Annexure Table No. 3: District Wise Distribution Of Markets By Ownership															
Serial No.	District Name	No. of Markets	Type of Ownership									No. of markets owned by establishments come under Board/Corporation/Council			
			Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total	VFPCK	Kudumbashree	Others
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	270	156	27	13	2	22	11	23	7	9	22	19	2	1
2	Kollam	185	89	14	3	1	36	21	13	6	2	36	33	0	3
3	Pathanamthitta	86	41	3	10	0	21	6	1	4	0	21	20	0	1
4	Alappuzha	98	47	5	6	4	12	22	2	0	0	12	11	0	1
5	Kottayam	105	23	13	34	1	30	3	0	0	1	30	25	4	1
6	Idukki	36	6	3	3	1	20	2	0	0	1	20	18	0	2
7	Ernakulam	126	47	11	13	12	24	12	6	0	1	24	22	0	2
8	Thrissur	118	25	28	15	6	34	8	1	0	1	34	25	9	0
9	Palakkad	35	11	0	1	0	18	4	1	0	0	18	17	1	0
10	Malappuram	41	9	5	2	0	14	4	2	0	5	14	11	2	1
11	Kozhikode	31	4	6	5	1	11	2	2	0	0	11	9	1	1
12	Wayanad	40	5	1	1	3	16	13	0	0	1	16	13	0	3
13	Kannur	56	15	7	8	1	12	6	5	2	0	12	11	1	0
14	Kasargod	21	9	0	1	4	6	1	0	0	0	6	6	0	0
Total	Count	**1248**	**487**	**123**	**115**	**36**	**276**	**115**	**56**	**19**	**21**	**276**	**240**	**20**	**16**
	Percentage	**100.00%**	**39.02%**	**9.86%**	**9.21%**	**2.88%**	**22.12%**	**9.21%**	**4.49%**	**1.52%**	**1.68%**	**100.00%**	**86.96%**	**7.25%**	**5.80%**

Annexure Table No. 3.1: District Wise Distribution Of Exclusive Wholesale Markets By Ownership																
Serial No.	District Name		No. of Markets	Type of Ownership									No. of markets owned by establishments come under Board/Corporation/Council			
				Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total	VFPCK	Kudumbashree	Others
(a)	(b)		(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram		9	3	0	0	0	2	1	2	1	0	2	2	0	0
2	Kollam		40	1	5	1	1	30	0	2	0	0	30	29	0	1
3	Pathanamthitta		17	2	0	2	0	13	0	0	0	0	13	12	0	1
4	Alappuzha		17	3	2	4	1	6	1	0	0	0	6	6	0	0
5	Kottayam		7	0	0	0	0	7	0	0	0	0	7	7	0	0
6	Idukki		17	2	1	2	0	11	0	0	0	1	11	9	0	2
7	Ernakulam		9	1	1	0	0	7	0	0	0	0	7	7	0	0
8	Thrissur		14	2	0	1	0	9	2	0	0	0	9	9	0	0
9	Palakkad		19	1	0	0	0	15	2	1	0	0	15	15	0	0
10	Malappuram		10	0	0	0	0	7	2	1	0	0	7	7	0	0
11	Kozhikode		2	0	0	0	0	1	1	0	0	0	1	0	0	1
12	Wayanad		4	0	0	1	2	1	0	0	0	0	1	1	0	0
13	Kannur		1	0	0	0	0	1	0	0	0	0	1	1	0	0
14	Kasargod		7	1	0	1	4	1	0	0	0	0	1	1	0	0
Total		Count	**173**	**16**	**9**	**12**	**8**	**111**	**9**	**6**	**1**	**1**	**111**	**106**	**0**	**5**
		Percentage	**100.00%**	**9.25%**	**5.20%**	**6.94%**	**4.62%**	**64.16%**	**5.20%**	**3.47%**	**0.58%**	**0.58%**	**100.00%**	**95.50%**	**0.00%**	**4.50%**

Annexure Table No. 3.2: District Wise Distribution Of Exclusive Retail Markets By Ownership															
Serial No.	District Name	No. of Markets	Type of Ownership									No. of markets owned by establishments come under Board/Corporation/Council			
			Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total	VFPCK	Kudumbashree	Others
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	187	111	21	8	2	4	8	19	6	8	4	2	2	0
2	Kollam	120	76	5	1	0	3	16	11	6	2	3	1	0	2
3	Pathanamthitta	34	18	3	5	0	1	3	1	3	0	1	1	0	0
4	Alappuzha	39	26	0	1	0	0	12	0	0	0	0	0	0	0
5	Kottayam	78	16	11	32	1	14	3	0	0	1	14	9	4	1
6	Idukki	6	0	2	1	0	2	1	0	0	0	2	2	0	0
7	Ernakulam	66	25	8	11	8	0	8	6	0	0	0	0	0	0
8	Thrissur	62	12	20	13	6	9	2	0	0	0	9	0	9	0
9	Palakkad	8	6	0	1	0	1	0	0	0	0	1	0	1	0
10	Malappuram	21	1	5	2	0	5	2	1	0	5	5	2	2	1
11	Kozhikode	13	1	5	3	0	1	1	2	0	0	1	0	1	0
12	Wayanad	4	2	1	0	0	0	1	0	0	0	0	0	0	0
13	Kannur	23	6	6	6	1	1	1	2	0	0	1	0	1	0
14	Kasargod	4	3	0	0	0	0	1	0	0	0	0	0	0	0
Total	Count	665	303	87	84	18	41	59	42	15	16	41	17	20	4
	Percentage	100.00%	45.56%	13.08%	12.63%	2.71%	6.17%	8.87%	6.32%	2.26%	2.41%	100.00%	41.46%	48.78%	9.76%

Annexure Table No. 3.3: District Wise Distribution Of Both Wholesale And Retail Markets By Ownership															
Serial No.	District Name	No. of Markets	Type of Ownership									No. of markets owned by establishments come under Board/Corporation/Council			
			Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total	VFPCK	Kudumbashree	Others
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	74	42	6	5	0	16	2	2	0	1	16	15	0	1
2	Kollam	25	12	4	1	0	3	5	0	0	0	3	3	0	0
3	Pathanamthitta	35	21	0	3	0	7	3	0	1	0	7	7	0	0
4	Alappuzha	42	18	3	1	3	6	9	2	0	0	6	5	0	1
5	Kottayam	20	7	2	2	0	9	0	0	0	0	9	9	0	0
6	Idukki	13	4	0	0	1	7	1	0	0	0	7	7	0	0
7	Ernakulam	51	21	2	2	4	17	4	0	0	1	17	15	0	2
8	Thrissur	42	11	8	1	0	16	4	1	0	1	16	16	0	0
9	Palakkad	8	4	0	0	0	2	2	0	0	0	2	2	0	0
10	Malappuram	10	8	0	0	0	2	0	0	0	0	2	2	0	0
11	Kozhikode	16	3	1	2	1	9	0	0	0	0	9	9	0	0
12	Wayanad	32	3	0	0	1	15	12	0	0	1	15	12	0	3
13	Kannur	32	9	1	2	0	10	5	3	2	0	10	10	0	0
14	Kasargod	10	5	0	0	0	5	0	0	0	0	5	5	0	0
Total	Count	410	168	27	19	10	124	47	8	3	4	124	117	0	7
	Percentage	100.00%	40.98%	6.59%	4.63%	2.44%	30.24%	11.46%	1.95%	0.73%	0.98%	100.00%	94.35%	0.00%	5.65%

Annexure Table No. 3.4: District Wise Distribution Of Markets Under Local Self Government Institutions By Ownership

Serial No.	District Name	No. of markets	Grama Panchayath										Municipality										Municipal Corporation									
			Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total	Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total	Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)	(aa)	(ab)	(ac)	(ad)	(ae)	(af)	(ag)
1	Thiruvananthapuram	**270**	113	21	13	2	20	7	20	6	9	**211**	16	3	0	0	2	1	0	0	0	**22**	27	3	0	0	0	3	3	1	0	**37**
2	Kollam	**185**	69	14	3	1	35	20	11	5	2	**160**	3	0	0	0	1	0	2	0	0	**6**	17	0	0	0	0	1	0	1	0	**19**
3	Pathanamthitta	**86**	30	3	10	0	20	5	1	3	0	**72**	11	0	0	0	1	1	0	1	0	**14**	0	0	0	0	0	0	0	0	0	**0**
4	Alappuzha	**98**	38	5	6	4	12	17	2	0	0	**84**	9	0	0	0	0	5	0	0	0	**14**	0	0	0	0	0	0	0	0	0	**0**
5	Kottayam	**105**	17	12	32	1	29	3	0	0	1	**95**	6	1	2	0	1	0	0	0	0	**10**	0	0	0	0	0	0	0	0	0	**0**
6	Idukki	**36**	4	3	3	0	20	2	0	0	1	**33**	2	0	0	1	0	0	0	0	0	**3**	0	0	0	0	0	0	0	0	0	**0**
7	Ernakulam	**126**	16	7	12	9	22	5	4	0	1	**76**	16	4	0	2	1	3	0	0	0	**26**	15	0	1	1	1	4	2	0	0	**24**
8	Thrissur	**118**	3	19	12	6	33	5	1	0	1	**80**	11	5	1	0	1	1	0	0	0	**19**	11	4	2	0	0	2	0	0	0	**19**
9	Palakkad	**35**	5	0	1	0	18	3	1	0	0	**28**	6	0	0	0	0	1	0	0	0	**7**	0	0	0	0	0	0	0	0	0	**0**
10	Malappuram	**41**	3	5	1	0	14	3	1	0	5	**32**	6	0	1	0	0	1	1	0	0	**9**	0	0	0	0	0	0	0	0	0	**0**
11	Kozhikode	**31**	1	5	5	1	10	1	1	0	0	**24**	0	0	0	0	1	0	1	0	0	**2**	3	1	0	0	0	1	0	0	0	**5**
12	Wayanad	**40**	4	1	1	2	11	11	0	0	1	**31**	1	0	0	1	5	2	0	0	0	**9**	0	0	0	0	0	0	0	0	0	**0**
13	Kannur	**56**	9	6	8	1	9	3	3	1	0	**40**	4	1	0	0	3	2	2	1	0	**13**	2	0	0	0	0	1	0	0	0	**3**
14	Kasargod	**21**	6	0	1	3	6	1	0	0	0	**17**	3	0	0	1	0	0	0	0	0	**4**	0	0	0	0	0	0	0	0	0	**0**
Total	Count	**1248**	**318**	**101**	**108**	**30**	**259**	**86**	**45**	**15**	**21**	**983**	**94**	**14**	**4**	**5**	**16**	**17**	**6**	**2**	**0**	**158**	**75**	**8**	**3**	**1**	**1**	**12**	**5**	**2**	**0**	**107**
	Percentage	100.00%	25.48%	8.09%	8.65%	2.40%	20.75%	6.89%	3.61%	1.20%	1.68%	78.77%	7.53%	1.12%	0.32%	0.40%	1.28%	1.36%	0.48%	0.16%	0.00%	12.66%	6.01%	0.64%	0.24%	0.08%	0.08%	0.96%	0.40%	0.16%	0.00%	8.57%

Annexure Table No. 3.5: District Wise Distribution Of Exclusive Wholesale Markets Under Local Self Government Institutions By Ownership

Serial No.	District Name	No. of markets	Grama Panchayath										Municipality										Municipal Corporation									
			Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total	Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total	Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)	(aa)	(ab)	(ac)	(ad)	(ae)	(af)	(ag)
1	Thiruvananthapuram	**9**	3	0	0	0	2	1	2	1	0	**9**	0	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	0	0	**0**
2	Kollam	**40**	1	5	1	1	29	0	2	0	0	**39**	0	0	0	0	1	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	**0**
3	Pathanamthitta	**17**	1	0	2	0	12	0	0	0	0	**15**	1	0	0	0	1	0	0	0	0	**2**	0	0	0	0	0	0	0	0	0	**0**
4	Alappuzha	**17**	3	2	4	1	6	0	0	0	0	**16**	0	0	0	0	0	1	0	0	0	**1**	0	0	0	0	0	0	0	0	0	**0**
5	Kottayam	**7**	0	0	0	0	7	0	0	0	0	**7**	0	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	0	0	**0**
6	Idukki	**17**	1	1	2	0	11	0	0	0	1	**16**	1	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	**0**
7	Ernakulam	**9**	0	0	0	0	7	0	0	0	0	**7**	1	1	0	0	0	0	0	0	0	**2**	0	0	0	0	0	0	0	0	0	**0**
8	Thrissur	**14**	0	0	1	0	9	1	0	0	0	**11**	1	0	0	0	0	0	0	0	0	**1**	1	0	0	0	0	1	0	0	0	**2**
9	Palakkad	**19**	0	0	0	0	15	1	1	0	0	**17**	1	0	0	0	0	1	0	0	0	**2**	0	0	0	0	0	0	0	0	0	**0**
10	Malappuram	**10**	0	0	0	0	7	1	0	0	0	**8**	0	0	0	0	0	1	1	0	0	**2**	0	0	0	0	0	0	0	0	0	**0**
11	Kozhikode	**2**	0	0	0	0	1	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	1	0	0	0	**1**
12	Wayanad	**4**	0	0	1	1	1	0	0	0	0	**3**	0	0	0	1	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	**0**
13	Kannur	**1**	0	0	0	0	1	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	0	0	**0**
14	Kasargod	**7**	1	0	1	3	1	0	0	0	0	**6**	0	0	0	1	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	**0**
Total	Count	**173**	**10**	**8**	**12**	**6**	**109**	**4**	**5**	**1**	**1**	**156**	**5**	**1**	**0**	**2**	**2**	**3**	**1**	**0**	**0**	**14**	**1**	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**3**
	Percentage	**100.00%**	**5.78%**	**4.62%**	**6.94%**	**3.47%**	**63.01%**	**2.31%**	**2.89%**	**0.58%**	**0.58%**	**90.17%**	**2.89%**	**0.58%**	**0.00%**	**1.16%**	**1.16%**	**1.73%**	**0.58%**	**0.00%**	**0.00%**	**8.09%**	**0.58%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**1.16%**	**0.00%**	**0.00%**	**0.00%**	**1.73%**

Annexure Table No. 3.6: District Wise Distribution Of Exclusive Retail Markets Under Local Self Government Institutions By Ownership

Serial No.	District Name	No. of markets	Grama Panchayath										Municipality										Municipal Corporation									
			Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total	Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total	Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)	(aa)	(ab)	(ac)	(ad)	(ae)	(af)	(ag)
1	Thiruvananthapuram	**187**	84	19	8	2	3	5	16	5	8	**150**	10	1	0	0	1	0	0	0	0	**12**	17	1	0	0	0	3	3	1	0	**25**
2	Kollam	**120**	60	5	1	0	3	15	9	5	2	**100**	0	0	0	0	0	0	2	0	0	**2**	16	0	0	0	0	1	0	1	0	**18**
3	Pathanamthitta	**34**	15	3	5	0	1	3	1	2	0	**30**	3	0	0	0	0	0	0	1	0	**4**	0	0	0	0	0	0	0	0	0	**0**
4	Alappuzha	**39**	20	0	1	0	0	10	0	0	0	**31**	6	0	0	0	0	2	0	0	0	**8**	0	0	0	0	0	0	0	0	0	**0**
5	Kottayam	**78**	14	11	32	1	13	3	0	0	1	**75**	2	0	0	0	1	0	0	0	0	**3**	0	0	0	0	0	0	0	0	0	**0**
6	Idukki	**6**	0	2	1	0	2	1	0	0	0	**6**	0	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	0	0	**0**
7	Ernakulam	**66**	8	6	10	5	0	2	4	0	0	**35**	5	2	0	2	0	2	0	0	0	**11**	12	0	1	1	0	4	2	0	0	**20**
8	Thrissur	**62**	2	13	10	6	9	2	0	0	0	**42**	3	3	1	0	0	0	0	0	0	**7**	7	4	2	0	0	0	0	0	0	**13**
9	Palakkad	**8**	2	0	1	0	1	0	0	0	0	**4**	4	0	0	0	0	0	0	0	0	**4**	0	0	0	0	0	0	0	0	0	**0**
10	Malappuram	**21**	0	5	1	0	5	2	1	0	5	**19**	1	0	1	0	0	0	0	0	0	**2**	0	0	0	0	0	0	0	0	0	**0**
11	Kozhikode	**13**	1	5	3	0	1	1	1	0	0	**12**	0	0	0	0	0	0	1	0	0	**1**	0	0	0	0	0	0	0	0	0	**0**
12	Wayanad	**4**	2	1	0	0	0	0	0	0	0	**3**	0	0	0	0	0	1	0	0	0	**1**	0	0	0	0	0	0	0	0	0	**0**
13	Kannur	**23**	6	6	6	1	1	0	2	0	0	**22**	0	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	1	0	0	0	**1**
14	Kasargod	**4**	3	0	0	0	0	1	0	0	0	**4**	0	0	0	0	0	0	0	0	0	**0**	0	0	0	0	0	0	0	0	0	**0**
Total	Count	**665**	**217**	**76**	**79**	**15**	**39**	**45**	**34**	**12**	**16**	**533**	**34**	**6**	**2**	**2**	**2**	**5**	**3**	**1**	**0**	**55**	**52**	**5**	**3**	**1**	**0**	**9**	**5**	**2**	**0**	**77**
	Percentage	**100.00%**	**32.63%**	**11.43%**	**11.88%**	**2.26%**	**5.86%**	**6.77%**	**5.11%**	**1.80%**	**2.41%**	**80.15%**	**5.11%**	**0.90%**	**0.30%**	**0.30%**	**0.30%**	**0.75%**	**0.45%**	**0.15%**	**0.00%**	**8.27%**	**7.82%**	**0.75%**	**0.45%**	**0.15%**	**0.00%**	**1.35%**	**0.75%**	**0.30%**	**0.00%**	**11.58%**

Annexure Table No. 3.7: District Wise Distribution Of Both Wholesale And Retail Markets Under Local Self Government Institutions By Ownership																																
Serial No.	District Name	No. of markets	Grama Panchayath										Municipality										Municipal Corporation									
			Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total	Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total	Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)	(z)	(aa)	(ab)	(ac)	(ad)	(ae)	(af)	(ag)
1	Thiruvananthapuram	**74**	26	2	5	0	15	1	2	0	1	**52**	6	2	0	0	1	1	0	0	0	**10**	10	2	0	0	0	0	0	0	0	**12**
2	Kollam	**25**	8	4	1	0	3	5	0	0	0	**21**	3	0	0	0	0	0	0	0	0	**3**	1	0	0	0	0	0	0	0	0	**1**
3	Pathanamthitta	**35**	14	0	3	0	7	2	0	1	0	**27**	7	0	0	0	0	1	0	0	0	**8**	0	0	0	0	0	0	0	0	0	**0**
4	Alappuzha	**42**	15	3	1	3	6	7	2	0	0	**37**	3	0	0	0	0	2	0	0	0	**5**	0	0	0	0	0	0	0	0	0	**0**
5	Kottayam	**20**	3	1	0	0	9	0	0	0	0	**13**	4	1	2	0	0	0	0	0	0	**7**	0	0	0	0	0	0	0	0	0	**0**
6	Idukki	**13**	3	0	0	0	7	1	0	0	0	**11**	1	0	0	1	0	0	0	0	0	**2**	0	0	0	0	0	0	0	0	0	**0**
7	Ernakulam	**51**	8	1	2	4	15	3	0	0	1	**34**	10	1	0	0	1	1	0	0	0	**13**	3	0	0	0	1	0	0	0	0	**4**
8	Thrissur	**42**	1	6	1	0	15	2	1	0	1	**27**	7	2	0	0	1	1	0	0	0	**11**	3	0	0	0	0	1	0	0	0	**4**
9	Palakkad	**8**	3	0	0	0	2	2	0	0	0	**7**	1	0	0	0	0	0	0	0	0	**1**	0	0	0	0	0	0	0	0	0	**0**
10	Malappuram	**10**	3	0	0	0	2	0	0	0	0	**5**	5	0	0	0	0	0	0	0	0	**5**	0	0	0	0	0	0	0	0	0	**0**
11	Kozhikode	**16**	0	0	2	1	8	0	0	0	0	**11**	0	0	0	0	1	0	0	0	0	**1**	3	1	0	0	0	0	0	0	0	**4**
12	Wayanad	**32**	2	0	0	1	10	11	0	0	1	**25**	1	0	0	0	5	1	0	0	0	**7**	0	0	0	0	0	0	0	0	0	**0**
13	Kannur	**32**	3	0	2	0	7	3	1	1	0	**17**	4	1	0	0	3	2	2	1	0	**13**	2	0	0	0	0	0	0	0	0	**2**
14	Kasargod	**10**	2	0	0	0	5	0	0	0	0	**7**	3	0	0	0	0	0	0	0	0	**3**	0	0	0	0	0	0	0	0	0	**0**
Total	Count	**410**	**26**	**2**	**5**	**0**	**15**	**1**	**2**	**0**	**1**	**52**	**6**	**2**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**10**	**10**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12**
	Percentage	**100.00%**	**22.20%**	**4.15%**	**4.15%**	**2.20%**	**27.07%**	**9.02%**	**1.46%**	**0.49%**	**0.98%**	**71.71%**	**13.41%**	**1.71%**	**0.49%**	**0.24%**	**2.93%**	**2.20%**	**0.49%**	**0.24%**	**0.00%**	**21.71%**	**5.37%**	**0.73%**	**0.00%**	**0.00%**	**0.24%**	**0.24%**	**0.00%**	**0.00%**	**0.00%**	**6.59%**

Annexure Table No. 4: District Wise Distribution Of Markets By Mode Of Operation

Serial No.	District Name	All Markets				Exclusive Wholesale Markets				Exclusive Retail Markets				Both wholesale and retail markets			
		No. of Markets	Mode of Operation			No. of Markets	Mode of Operation			No. of Markets	Mode of Operation			No. of Markets	Mode of Operation		
			Auction	Lease	Others		Auction	Lease	Others		Auction	Lease	Others		Auction	Lease	Others
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
1	Thiruvananthapuram	270	157	34	79	9	4	2	3	187	112	25	50	74	41	7	26
2	Kollam	185	116	18	51	40	26	2	12	120	70	15	35	25	20	1	4
3	Pathanamthitta	86	42	23	21	17	4	9	4	34	16	8	10	35	22	6	7
4	Alappuzha	98	54	8	36	17	3	2	12	39	29	1	9	42	22	5	15
5	Kottayam	105	29	6	70	7	0	0	7	78	23	4	51	20	6	2	12
6	Idukki	36	2	6	28	17	0	3	14	6	0	1	5	13	2	2	9
7	Ernakulam	126	44	6	76	9	0	0	9	66	27	4	35	51	17	2	32
8	Thrissur	118	3	1	114	14	1	0	13	62	2	0	60	42	0	1	41
9	Palakkad	35	8	0	27	19	0	0	19	8	4	0	4	8	4	0	4
10	Malappuram	41	6	1	34	10	0	0	10	21	2	0	19	10	4	1	5
11	Kozhikode	31	2	10	19	2	0	1	1	13	0	8	5	16	2	1	13
12	Wayanad	40	6	1	33	4	0	0	4	4	2	1	1	32	4	0	28
13	Kannur	56	13	10	33	1	0	0	1	23	5	7	11	32	8	3	21
14	Kasargod	21	6	3	12	7	1	0	6	4	3	1	0	10	2	2	6
Total	Count	1248	488	127	633	173	39	19	115	665	295	75	295	410	154	33	223
	Percentage	100.00%	39.10%	10.18%	50.72%	100.00%	22.54%	10.98%	66.47%	100.00%	44.36%	11.28%	44.36%	100.00%	37.56%	8.05%	54.39%

Annexure Table No. 4.1: District Wise Distribution Of Markets By Ownership And Mode Of Operation																		
Serial No.	District Name	No. of Markets	Type of Ownership															
			Local body				Agricultural department				Farmer Producers Organization				Cooperative			
			No. of Markets	Mode of Operation			No. of Markets	Mode of Operation			No. of Markets	Mode of Operation			No. of Markets	Mode of Operation		
				Auction	Lease	Others		Auction	Lease	Others		Auction	Lease	Others		Auction	Lease	Others
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Thiruvananthapuram	270	156	142	11	3	27	5	9	13	13	1	2	10	2	1	1	0
2	Kollam	185	89	74	9	6	14	5	1	8	3	3	0	0	1	0	0	1
3	Pathanamthitta	86	41	35	4	2	3	0	2	1	10	2	6	2	0	0	0	0
4	Alappuzha	98	47	42	2	3	5	0	0	5	6	0	0	6	4	1	0	3
5	Kottayam	105	23	13	2	8	13	4	0	9	34	9	2	23	1	1	0	0
6	Idukki	36	6	2	1	3	3	0	1	2	3	0	2	1	1	0	0	1
7	Ernakulam	126	47	31	2	14	11	1	0	10	13	4	0	9	12	1	0	11
8	Thrissur	118	25	2	0	23	28	0	0	28	15	0	0	15	6	1	0	5
9	Palakkad	35	11	8	0	3	0	0	0	0	1	0	0	1	0	0	0	0
10	Malappuram	41	9	5	0	4	5	0	0	5	2	1	0	1	0	0	0	0
11	Kozhikode	31	4	1	2	1	6	1	3	2	5	0	2	3	1	0	0	1
12	Wayanad	40	5	5	0	0	1	0	0	1	1	0	0	1	3	0	0	3
13	Kannur	56	15	12	1	2	7	0	1	6	8	0	4	4	1	0	0	1
14	Kasargod	21	9	6	0	3	0	0	0	0	1	0	0	1	4	0	0	4
Total	Count	1248	487	378	34	75	123	16	17	90	115	20	18	77	36	5	1	30
	Percentage		100.00%	77.62%	6.98%	15.40%	100.00%	13.01%	13.82%	73.17%	100.00%	17.39%	15.65%	66.96%	100.00%	13.89%	2.78%	83.33%

(Contd…)

Annexure Table No. 4.1: District Wise Distribution Of Markets By Mode Of Operation And Ownership

Serial No.	District Name	Type of Ownership																			
		Board/ Corporation/ Council				Private with local body registration				Private without local body registration				No ownership				Others			
		No. of Markets	Mode of Operation			No. of Markets	Mode of Operation			No. of Markets	Mode of Operation			No. of Markets	Mode of Operation			No. of Markets	Mode of Operation		
			Auction	Lease	Others		Auction	Lease	Others		Auction	Lease	Others		Auction	Lease	Others		Auction	Lease	Others
(a)	(b)	(t)	(u)	(v)	(w)	(x)	(y)	(z)	(aa)	(ab)	(ac)	(ad)	(ae)	(af)	(ag)	(ah)	(ai)	(aj)	(ak)	(al)	(am)
1	Thiruvananthapuram	22	3	2	17	11	2	2	7	23	1	7	15	7	0	0	7	9	2	0	7
2	Kollam	36	24	1	11	21	6	4	11	13	3	3	7	6	1	0	5	2	0	0	2
3	Pathanamthitta	21	4	8	9	6	1	2	3	1	0	1	0	4	0	0	4	0	0	0	0
4	Alappuzha	12	1	2	9	22	10	2	10	2	0	2	0	0	0	0	0	0	0	0	0
5	Kottayam	30	2	1	27	3	0	1	2	0	0	0	0	0	0	0	0	1	0	0	1
6	Idukki	20	0	1	19	2	0	1	1	0	0	0	0	0	0	0	0	1	0	0	1
7	Ernakulam	24	0	1	23	12	4	1	7	6	3	2	1	0	0	0	0	1	0	0	1
8	Thrissur	34	0	1	33	8	0	0	8	1	0	0	1	0	0	0	0	1	0	0	1
9	Palakkad	18	0	0	18	4	0	0	4	1	0	0	1	0	0	0	0	0	0	0	0
10	Malappuram	14	0	1	13	4	0	0	4	2	0	0	2	0	0	0	0	5	0	0	5
11	Kozhikode	11	0	0	11	2	0	2	0	2	0	1	1	0	0	0	0	0	0	0	0
12	Wayanad	16	1	0	15	13	0	1	12	0	0	0	0	0	0	0	0	1	0	0	1
13	Kannur	12	0	0	12	6	0	4	2	5	1	0	4	2	0	0	2	0	0	0	0
14	Kasargod	6	0	2	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	Count	**276**	**35**	**20**	**221**	**115**	**23**	**21**	**71**	**56**	**8**	**16**	**32**	**19**	**1**	**0**	**18**	**21**	**2**	**0**	**19**
	Percentage	**100.00%**	**12.68%**	**7.25%**	**80.07%**	**100.00%**	**20.00%**	**18.26%**	**61.74%**	**100.00%**	**14.29%**	**28.57%**	**57.14%**	**100.00%**	**5.26%**	**0.00%**	**94.74%**	**100.00%**	**9.52%**	**0.00%**	**90.48%**

Annexure Table No. 4.2: District Wise Distribution Of Markets Under Board/Corporation/Council By Ownership And Mode Of Operation														
Serial No.	District Name	No. of Markets	Type of Ownership											
			VFPCK				Kudumbashree				Others			
			No. of Markets	Mode of Operation			No. of Markets	Mode of Operation			No. of Markets	Mode of Operation		
				Auction	Lease	Others		Auction	Lease	Others		Auction	Lease	Others
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	Thiruvananthapuram	22	19	3	1	15	2	0	1	1	1	0	0	1
2	Kollam	36	33	24	1	8	0	0	0	0	3	0	0	3
3	Pathanamthitta	21	20	4	7	9	0	0	0	0	1	0	1	0
4	Alappuzha	12	11	0	2	9	0	0	0	0	1	1	0	0
5	Kottayam	30	25	2	1	22	4	0	0	4	1	0	0	1
6	Idukki	20	18	0	1	17	0	0	0	0	2	0	0	2
7	Ernakulam	24	22	0	0	22	0	0	0	0	2	0	1	1
8	Thrissur	34	25	0	1	24	9	0	0	9	0	0	0	0
9	Palakkad	18	17	0	0	17	1	0	0	1	0	0	0	0
10	Malappuram	14	11	0	1	10	2	0	0	2	1	0	0	1
11	Kozhikode	11	9	0	0	9	1	0	0	1	1	0	0	1
12	Wayanad	16	13	0	0	13	0	0	0	0	3	1	0	2
13	Kannur	12	11	0	0	11	1	0	0	1	0	0	0	0
14	Kasargod	6	6	0	2	4	0	0	0	0	0	0	0	0
Total	**Count**	**276**	**240**	**33**	**17**	**190**	**20**	**0**	**1**	**19**	**16**	**2**	**2**	**12**
	Percentage		**100.00%**	**13.75%**	**7.08%**	**79.17%**	**100.00%**	**0.00%**	**5.00%**	**95.00%**	**100.00%**	**12.50%**	**12.50%**	**75.00%**

Annexure Table No. 5: District Wise Distribution Of Markets By Ownership And Extent Of Land Possessed (In Cents.)																
Serial No.	District Name	No. of Markets	Extent of land possessed	Type of ownership and extent of land possessed									Extent of land possessed by markets run by establishments come under Board/ Corporation/ Council			
				Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total	VFPCK	Kudumbashree	Others
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
1	Thiruvananthapuram	270	8563.25	6279	989	126.25	33	291	249	462	73	61	291	282	5	4
2	Kollam	185	5499	3544	116	8	5	633	856	225	62	50	633	582	0	51
3	Pathanamthitta	86	2783	2201	22	34	0	291	199	20	16	0	291	273	0	18
4	Alappuzha	98	2619	1434	116	42	19	242	706	60	0	0	242	192	0	50
5	Kottayam	105	2383.5	1663	141.5	124.5	1	280.5	166	0	0	7	280.5	273.5	6	1
6	Idukki	36	915	260	7	8	140	230	260	0	0	10	230	150	0	80
7	Ernakulam	126	4127.5	2196	835.25	130	115	318	405	28.25	0	100	318	249	0	69
8	Thrissur	118	2669	1822	43	59	6	310	409	10	0	10	310	299	11	0
9	Palakkad	35	1522	726	0	2	0	183	535	76	0	0	183	182	1	0
10	Malappuram	41	1748	1191	9	42	0	89	94	228	0	95	89	68	11	10
11	Kozhikode	31	690	233	79	55	22	186	65	50	0	0	186	35	1	150
12	Wayanad	40	2108	190	5	12	31	1608	236	0	0	26	1608	73	0	1535
13	Kannur	56	895	543	13	52	1	51	83	112	40	0	51	47	4	0
14	Kasargod	21	1519	1015	0	3	468	29	4	0	0	0	29	29	0	0
Total	**Count/Cents.**	**1248**	**38041.25**	**23297**	**2375.75**	**697.75**	**841**	**4741.50**	**4267**	**1271.25**	**191**	**359**	**4741.50**	**2734.50**	**39**	**1968**
	Percentage		**100.00%**	**61.24%**	**6.25%**	**1.83%**	**2.21%**	**12.46%**	**11.22%**	**3.34%**	**0.50%**	**0.94%**	**100.00%**	**57.67%**	**0.82%**	**41.51%**

Annexure Table No. 5.1: District Wise Distribution Of Exclusive Wholesale Markets By Ownership And Extent Of Land Possessed (In Cents.)																
Serial No.	District Name	No. of Markets	Extent of land possessed	Type of Ownership and Extent of land possessed									Extent of land possessed by markets run by establishments come under Board/ Corporation/ Council			
				Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total	VFPCK	Kudumbashree	Others
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
1	Thiruvananthapuram	9	258	92	0	0	0	8	18	120	20	0	8	8	0	0
2	Kollam	40	811	100	56	3	5	592	0	55	0	0	592	547	0	45
3	Pathanamthitta	17	282	35	0	6	0	241	0	0	0	0	241	223	0	18
4	Alappuzha	17	509	145	44	38	2	140	140	0	0	0	140	140	0	0
5	Kottayam	7	157	0	0	0	0	157	0	0	0	0	157	157	0	0
6	Idukki	17	244	51	5	7	0	171	0	0	0	10	171	91	0	80
7	Ernakulam	9	148	20	15	0	0	113	0	0	0	0	113	113	0	0
8	Thrissur	14	492	296	0	15	0	126	55	0	0	0	126	126	0	0
9	Palakkad	19	413	100	0	0	0	157	80	76	0	0	157	157	0	0
10	Malappuram	10	315	0	0	0	0	60	55	200	0	0	60	60	0	0
11	Kozhikode	2	175	0	0	0	0	150	25	0	0	0	150	0	0	150
12	Wayanad	4	29	0	0	12	11	6	0	0	0	0	6	6	0	0
13	Kannur	1	20	0	0	0	0	20	0	0	0	0	20	20	0	0
14	Kasargod	7	496	10	0	3	468	15	0	0	0	0	15	15	0	0
Total	Count/Cents.	**173**	**4349**	**849**	**120**	**84**	**486**	**1956**	**373**	**451**	**20**	**10**	**1956**	**1663**	**0**	**293**
	Percentage		**100.00%**	**19.52%**	**2.76%**	**1.93%**	**11.17%**	**44.98%**	**8.58%**	**10.37%**	**0.46%**	**0.23%**	**100.00%**	**85.02%**	**0.00%**	**14.98%**

Annexure Table No. 5.2: District Wise Distribution Of Exclusive Retail Markets By Ownership And Extent Of Land Possessed (In Cents.)																	
Serial No.	District Name		No. of Markets	Extent of land possessed	Type of Ownership and Extent of land possessed									Extent of land possessed by markets run by establishments come under Board/ Corporation/ Council			
					Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total	VFPCK	Kudumbashree	Others
(a)	(b)		(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
1	Thiruvananthapuram		187	4211.25	3408	79	75.25	33	16	167	322	53	58	16	11	5	0
2	Kollam		120	3540	2665	43	2	0	8	540	170	62	50	8	2	0	6
3	Pathanamthitta		34	892	710	22	20	0	10	96	20	14	0	10	10	0	0
4	Alappuzha		39	983	628	0	2	0	0	353	0	0	0	0	0	0	0
5	Kottayam		78	1023	621	43.5	79.5	1	105	166	0	0	7	105	98	6	1
6	Idukki		6	212	0	2	1	0	9	200	0	0	0	9	9	0	0
7	Ernakulam		66	1193.5	750	15.25	76	44	0	280	28.25	0	0	0	0	0	0
8	Thrissur		62	373	250	28	43	6	11	35	0	0	0	11	0	11	0
9	Palakkad		8	172	169	0	2	0	1	0	0	0	0	1	0	1	0
10	Malappuram		21	308	70	9	42	0	25	39	28	0	95	25	4	11	10
11	Kozhikode		13	171	8	19	53	0	1	40	50	0	0	1	0	1	0
12	Wayanad		4	35	20	5	0	0	0	10	0	0	0	0	0	0	0
13	Kannur		23	119	27	11	32	1	4	4	40	0	0	4	0	4	0
14	Kasargod		4	44	40	0	0	0	0	4	0	0	0	0	0	0	0
Total		**Count/Cents.**	**665**	**13276.75**	**9366**	**276.75**	**427.75**	**85**	**190**	**1934**	**658.25**	**129**	**210**	**190**	**134**	**39**	**17**
		Percentage		**100.00%**	**70.54%**	**2.08%**	**3.22%**	**0.64%**	**1.43%**	**14.57%**	**4.96%**	**0.97%**	**1.58%**	**100.00%**	**70.53%**	**20.53%**	**8.95%**

Annexure Table No. 5.3: District Wise Distribution Of Both Wholesale And Retail Markets By Ownership And Extent Of Land Possessed (In Cents.)

Serial No.	District Name	No. of Markets	Extent of land possessed	Type of Ownership and Extent of land possessed									Extent of land possessed by markets run by establishments come under Board/ Corporation/ Council			
				Local body	Agriculture department	Farmers Fraternity	Cooperative	Board/ Corporation/ Council	Private but registered with Local body	Private but not registered with Local body	No Ownership	Others	Total	VFPCK	Kudumbashree	Others
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
1	Thiruvananthapuram	74	4094	2779	910	51	0	267	64	20	0	3	267	263	0	4
2	Kollam	25	1148	779	17	3	0	33	316	0	0	0	33	33	0	0
3	Pathanamthitta	35	1609	1456	0	8	0	40	103	0	2	0	40	40	0	0
4	Alappuzha	42	1127	661	72	2	17	102	213	60	0	0	102	52	0	50
5	Kottayam	20	1203.5	1042	98	45	0	18.5	0	0	0	0	18.5	18.5	0	0
6	Idukki	13	459	209	0	0	140	50	60	0	0	0	50	50	0	0
7	Ernakulam	51	2786	1426	805	54	71	205	125	0	0	100	205	136	0	69
8	Thrissur	42	1804	1276	15	1	0	173	319	10	0	10	173	173	0	0
9	Palakkad	8	937	457	0	0	0	25	455	0	0	0	25	25	0	0
10	Malappuram	10	1125	1121	0	0	0	4	0	0	0	0	4	4	0	0
11	Kozhikode	16	344	225	60	2	22	35	0	0	0	0	35	35	0	0
12	Wayanad	32	2044	170	0	0	20	1602	226	0	0	26	1602	67	0	1535
13	Kannur	32	756	516	2	20	0	27	79	72	40	0	27	27	0	0
14	Kasargod	10	979	965	0	0	0	14	0	0	0	0	14	14	0	0
Total	**Count/Cents.**	**410**	**20415.50**	**13082**	**1979**	**186**	**270**	**2595.50**	**1960**	**162**	**42**	**139**	**2595.50**	**937.50**	**0**	**1658**
	Percentage		**100.00%**	**64.08%**	**9.69%**	**0.91%**	**1.32%**	**12.71%**	**9.60%**	**0.79%**	**0.21%**	**0.68%**	**100.00%**	**36.12%**	**0.00%**	**63.88%**

Annexure Table No. 5.4: District Wise Distribution Of Markets Owned By Local Self Government Institutions And Extent Of Land Possessed (In Cents.)										
Serial No.	District Name		No. of Markets	Land Possessed	Type of Local Self Government Institutions					
					Grama Panchayath		Municipality		Municipal Corporation	
					No. of markets	Land Possessed	No. of markets	Land Possessed	No. of markets	Land Possessed
1	Thiruvananthapuram		156	6279	113	4211	16	777	27	1291
2	Kollam		89	3544	69	2620	3	416	17	508
3	Pathanamthitta		41	2201	30	1380	11	821	0	0
4	Alappuzha		47	1434	38	1031	9	403	0	0
5	Kottayam		23	1663	17	779	6	884	0	0
6	Idukki		6	260	4	146	2	114	0	0
7	Ernakulam		47	2196	16	560	16	1293	15	343
8	Thrissur		25	1822	3	83	11	1275	11	464
9	Palakkad		11	726	5	338	6	388	0	0
10	Malappuram		9	1191	3	395	6	796	0	0
11	Kozhikode		4	233	1	8	0	0	3	225
12	Wayanad		5	190	4	180	1	10	0	0
13	Kannur		15	543	9	101	4	247	2	195
14	Kasargod		9	1015	6	120	3	895	0	0
Total		Count	**487**	**23297**	**318**	**11952**	**94**	**8319**	**75**	**3026**
		Percentage	**100.00%**	**100.00%**	**65.30%**	**51.30%**	**19.30%**	**35.71%**	**15.40%**	**12.99%**

Annexure Table No. 6: District Wise Distribution Of Markets Classified By Major Commodity Groups Traded														
Serial No.	District Name	No. of Markets	No. of Markets by Type of Commodity Group											
			Vegetable Markets	Fish Markets	Livestock & Poultry Markets	Meat Markets	Vegetables & Fish Markets	Vegetables, Fish & Meat Markets	Grocery/ Provision Items Markets	Coconut Markets	Special products Markets	Spices Markets	Markets other than Poultry & Livestock	All items Markets
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	Thiruvananthapuram	270	61	6	1	0	99	76	0	1	3	0	18	5
2	Kollam	185	46	1	4	1	36	58	0	0	0	0	31	8
3	Pathanamthitta	86	37	2	1	1	16	11	0	0	0	1	17	0
4	Alappuzha	98	27	22	0	0	9	10	2	0	1	1	25	1
5	Kottayam	105	77	1	1	1	2	8	1	0	0	0	12	2
6	Idukki	36	25	2	1	1	0	2	0	0	0	1	3	1
7	Ernakulam	126	65	28	5	5	2	15	1	0	1	0	4	0
8	Thrissur	118	85	10	0	5	0	4	3	0	4	0	3	4
9	Palakkad	35	20	3	3	1	4	0	0	0	1	0	2	1
10	Malappuram	41	25	0	2	0	0	2	0	0	3	0	9	0
11	Kozhikode	31	21	1	3	0	1	0	1	4	0	0	0	0
12	Wayanad	40	15	4	2	0	0	1	0	0	2	3	13	0
13	Kannur	56	32	9	1	0	4	6	0	0	0	0	3	1
14	Kasargod	21	7	4	0	0	1	1	0	1	4	0	3	0
Total	Count	**1248**	**543**	**93**	**24**	**15**	**174**	**194**	**8**	**6**	**19**	**6**	**143**	**23**
	Percentage	**100.00%**	**43.51%**	**7.45%**	**1.92%**	**1.20%**	**13.94%**	**15.54%**	**0.64%**	**0.48%**	**1.52%**	**0.48%**	**11.46%**	**1.84%**

Annexure Table No. 6.1: District Wise Distribution Of Exclusive Wholesale Markets Classified By Major Commodity Groups Traded														
Serial No.	District Name	No. of Markets	No. of Markets by Type of Commodity Group											
			Vegetable Markets	Fish Markets	Livestock & Poultry Markets	Meat Markets	Vegetables & Fish Markets	Vegetables, Fish & Meat Markets	Grocery/ Provision Items Markets	Coconut Markets	Special products Markets	Spices Markets	Markets other than Poultry & Livestock	All items Markets
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	Thiruvananthapuram	9	2	3	1	0	1	2	0	0	0	0	0	0
2	Kollam	40	30	0	1	0	0	0	0	0	0	0	8	1
3	Pathanamthitta	17	16	1	0	0	0	0	0	0	0	0	0	0
4	Alappuzha	17	14	3	0	0	0	0	0	0	0	0	0	0
5	Kottayam	7	7	0	0	0	0	0	0	0	0	0	0	0
6	Idukki	17	13	1	0	1	0	0	0	0	0	1	1	0
7	Ernakulam	9	8	0	0	0	0	1	0	0	0	0	0	0
8	Thrissur	14	10	1	0	0	0	0	1	0	2	0	0	0
9	Palakkad	19	16	2	0	0	0	0	0	0	1	0	0	0
10	Malappuram	10	5	0	1	0	0	0	0	0	3	0	1	0
11	Kozhikode	2	0	0	0	0	0	0	0	2	0	0	0	0
12	Wayanad	4	1	0	0	0	0	0	0	0	1	1	1	0
13	Kannur	1	1	0	0	0	0	0	0	0	0	0	0	0
14	Kasargod	7	1	1	0	0	0	0	0	1	4	0	0	0
Total	Count	173	124	12	3	1	1	3	1	3	11	2	11	1
	Percentage	100.00%	71.68%	6.94%	1.73%	0.58%	0.58%	1.73%	0.58%	1.73%	6.36%	1.16%	6.36%	0.58%

Annexure Table No. 6.2: District Wise Distribution Of Exclusive Retail Markets Classified By Major Commodity Groups Traded														
Serial No.	District Name	No. of Markets	No. of Markets by Type of Commodity Group											
			Vegetable Markets	Fish Markets	Livestock & Poultry Markets	Meat Markets	Vegetables & Fish Markets	Vegetables, Fish & Meat Markets	Grocery/ Provision Items Markets	Coconut Markets	Special products Markets	Spices Markets	Markets other than Poultry & Livestock	All items Markets
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	Thiruvananthapuram	187	32	1	0	0	93	53	0	1	0	0	7	0
2	Kollam	120	8	1	1	1	36	56	0	0	0	0	11	6
3	Pathanamthitta	34	10	0	0	1	14	6	0	0	0	0	3	0
4	Alappuzha	39	1	11	0	0	8	10	1	0	1	1	5	1
5	Kottayam	78	60	0	1	1	1	7	0	0	0	0	7	1
6	Idukki	6	5	0	1	0	0	0	0	0	0	0	0	0
7	Ernakulam	66	28	16	4	5	1	11	1	0	0	0	0	0
8	Thrissur	62	49	3	0	5	0	4	0	0	0	0	0	1
9	Palakkad	8	2	0	0	1	4	0	0	0	0	0	1	0
10	Malappuram	21	18	0	0	0	0	2	0	0	0	0	1	0
11	Kozhikode	13	8	0	3	0	1	0	0	1	0	0	0	0
12	Wayanad	4	0	3	0	0	0	0	0	0	0	0	1	0
13	Kannur	23	15	6	1	0	1	0	0	0	0	0	0	0
14	Kasargod	4	0	3	0	0	0	0	0	0	0	0	1	0
Total	Count	665	236	44	11	14	159	149	2	2	1	1	37	9
	Percentage	100.00%	35.49%	6.62%	1.65%	2.11%	23.91%	22.41%	0.30%	0.30%	0.15%	0.15%	5.56%	1.35%

Annexure Table No. 6.3: District Wise Distribution Of Both Wholesale And Retail Markets Classified By Major Commodity Groups Traded														
Serial No.	District Name	No. of Markets	No. of Markets by Type of Commodity Group											
			Vegetable Markets	Fish Markets	Livestock & Poultry Markets	Meat Markets	Vegetables & Fish Markets	Vegetables, Fish & Meat Markets	Grocery/ Provision Items Markets	Coconut Markets	Special products Markets	Spices Markets	Markets other than Poultry & Livestock	All items Markets
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	Thiruvananthapuram	74	27	2	0	0	5	21	0	0	3	0	11	5
2	Kollam	25	8	0	2	0	0	2	0	0	0	0	12	1
3	Pathanamthitta	35	11	1	1	0	2	5	0	0	0	1	14	0
4	Alappuzha	42	12	8	0	0	1	0	1	0	0	0	20	0
5	Kottayam	20	10	1	0	0	1	1	1	0	0	0	5	1
6	Idukki	13	7	1	0	0	0	2	0	0	0	0	2	1
7	Ernakulam	51	29	12	1	0	1	3	0	0	1	0	4	0
8	Thrissur	42	26	6	0	0	0	0	2	0	2	0	3	3
9	Palakkad	8	2	1	3	0	0	0	0	0	0	0	1	1
10	Malappuram	10	2	0	1	0	0	0	0	0	0	0	7	0
11	Kozhikode	16	13	1	0	0	0	0	1	1	0	0	0	0
12	Wayanad	32	14	1	2	0	0	1	0	0	1	2	11	0
13	Kannur	32	16	3	0	0	3	6	0	0	0	0	3	1
14	Kasargod	10	6	0	0	0	1	1	0	0	0	0	2	0
Total	Count	**410**	**183**	**37**	**10**	**0**	**14**	**42**	**5**	**1**	**7**	**3**	**95**	**13**
	Percentage	**100.00%**	**44.63%**	**9.02%**	**2.44%**	**0.00%**	**3.41%**	**10.24%**	**1.22%**	**0.24%**	**1.71%**	**0.73%**	**23.17%**	**3.17%**

Annexure Table No. 6.4: District Wise Distribution Of Markets Owned By Local Self Government Institutions And Classified By Major Commodity Groups Traded														
Serial No.	District Name	No. of Markets	No. of Markets by Type of Commodity Group											
			Vegetable Markets	Fish Markets	Livestock & Poultry Markets	Meat Markets	Vegetables & Fish Markets	Vegetables, Fish & Meat Markets	Grocery/ Provision Items Markets	Coconut Markets	Special products Markets	Spices Markets	Markets other than Poultry & Livestock	All items Markets
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
1	Thiruvananthapuram	156	4	3	0	0	61	65	0	1	2	0	15	5
2	Kollam	89	1	0	0	1	22	41	0	0	0	0	17	7
3	Pathanamthitta	41	1	1	1	0	12	10	0	0	0	0	16	0
4	Alappuzha	47	3	14	0	0	6	9	1	0	1	0	13	0
5	Kottayam	23	4	1	0	1	1	6	0	0	0	0	8	2
6	Idukki	6	0	2	0	1	0	2	0	0	0	0	0	1
7	Ernakulam	47	6	17	4	3	2	9	1	0	1	0	4	0
8	Thrissur	25	2	7	0	4	0	4	3	0	1	0	2	2
9	Palakkad	11	1	2	1	1	3	0	0	0	0	0	2	1
10	Malappuram	9	1	0	1	0	0	0	0	0	0	0	7	0
11	Kozhikode	4	1	1	0	0	1	0	1	0	0	0	0	0
12	Wayanad	5	0	3	2	0	0	0	0	0	0	0	0	0
13	Kannur	15	1	8	0	0	2	2	0	0	0	0	1	1
14	Kasargod	9	1	3	0	0	1	1	0	0	0	0	3	0
Total	Count	487	26	62	9	11	111	149	6	1	5	0	88	19
	Percentage	100.00%	5.34%	12.73%	1.85%	2.26%	22.79%	30.60%	1.23%	0.21%	1.03%	0.00%	18.07%	3.90%

Annexure Table No. 7: District Wise Distribution Of Non-exclusive Wholesale Markets By Operational Frequency												
Serial No.	District Name	No. of Markets	No. of Markets by Operational Frequency									
			Daily	Weekly	2 days in a week	3 days in a week	More than 3 days and less than 7 days	Fortnightly	Monthly	Once in three months	Once in 6 Months	Yearly
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
1	Thiruvananthapuram	83	54	3	13	5	8	0	0	0	0	0
2	Kollam	65	14	22	28	1	0	0	0	0	0	0
3	Pathanamthitta	52	16	3	31	0	2	0	0	0	0	0
4	Alappuzha	59	34	8	14	2	1	0	0	0	0	0
5	Kottayam	27	18	3	1	1	4	0	0	0	0	0
6	Idukki	30	10	5	13	0	2	0	0	0	0	0
7	Ernakulam	60	21	11	20	1	7	0	0	0	0	0
8	Thrissur	56	16	5	23	0	12	0	0	0	0	0
9	Palakkad	27	8	2	7	4	6	0	0	0	0	0
10	Malappuram	20	11	1	5	0	3	0	0	0	0	0
11	Kozhikode	18	5	0	0	0	13	0	0	0	0	0
12	Wayanad	36	18	1	0	0	17	0	0	0	0	0
13	Kannur	33	24	1	5	2	1	0	0	0	0	0
14	Kasargod	17	9	0	0	4	4	0	0	0	0	0
Total	Count	**583**	**258**	**65**	**160**	**20**	**80**	**0**	**0**	**0**	**0**	**0**
	Percentage	**100.00%**	**44.25%**	**11.15%**	**27.44%**	**3.43%**	**13.72%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**

Annexure Table No. 7.1: District Wise Distribution Of Non-exclusive Retail Markets By Operational Frequency												
Serial No.	District Name	No. of Markets	No. of Markets by Operational Frequency									
			Daily	Weekly	2 days in a week	3 days in a week	More than 3 days and less than 7 days	Fortnightly	Monthly	Once in three months	Once in 6 Months	Yearly
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
1	Thiruvananthapuram	261	208	8	25	7	11	0	1	0	0	1
2	Kollam	145	105	15	24	1	0	0	0	0	0	0
3	Pathanamthitta	69	28	4	35	1	1	0	0	0	0	0
4	Alappuzha	81	65	3	10	1	1	0	0	0	0	1
5	Kottayam	98	39	35	8	4	12	0	0	0	0	0
6	Idukki	19	6	8	5	0	0	0	0	0	0	0
7	Ernakulam	117	59	25	16	1	16	0	0	0	0	0
8	Thrissur	104	47	17	24	3	13	0	0	0	0	0
9	Palakkad	16	6	6	1	0	3	0	0	0	0	0
10	Malappuram	31	10	9	4	0	6	0	2	0	0	0
11	Kozhikode	29	8	10	0	0	11	0	0	0	0	0
12	Wayanad	36	18	2	0	0	16	0	0	0	0	0
13	Kannur	55	40	2	5	2	5	0	1	0	0	0
14	Kasargod	14	9	2	0	1	2	0	0	0	0	0
Total	Count	**1075**	**648**	**146**	**157**	**21**	**97**	**0**	**4**	**0**	**0**	**2**
	Percentage	**100.00%**	**60.28%**	**13.58%**	**14.60%**	**1.95%**	**9.02%**	**0.00%**	**0.37%**	**0.00%**	**0.00%**	**0.19%**

Annexure Table No. 8: District Wise Distribution Of Non-exclusive Wholesale Markets By Nature Of Working Or Business Time					
Serial No.	District Name	No. of non-exclusive wholesale markets	Nature of working/ Business time		
			Morning only	Afternoon only	Full day
(a)	(b)	(c)	(d)	(e)	(f)
1	Thiruvananthapuram	83	38	0	45
2	Kollam	65	44	1	20
3	Pathanamthitta	52	28	2	22
4	Alappuzha	59	31	0	28
5	Kottayam	27	5	1	21
6	Idukki	30	2	0	28
7	Ernakulam	60	16	13	31
8	Thrissur	56	21	2	33
9	Palakkad	27	9	1	17
10	Malappuram	20	1	0	19
11	Kozhikode	18	1	0	17
12	Wayanad	36	1	0	35
13	Kannur	33	0	1	32
14	Kasargod	17	0	0	17
Total	Count	583	197	21	365
	Percentage	100.00%	33.79%	3.60%	62.61%

Annexure Table No. 8.1: District Wise Distribution Of Non-exclusive Retail Markets By Nature Of Working Or Business Time					
Serial No.	District Name	No. of non-exclusive retail markets	Nature of working/ Business time		
			Morning only	Afternoon only	Full day
(a)	(b)	(c)	(d)	(e)	(f)
1	Thiruvananthapuram	261	171	4	86
2	Kollam	145	95	8	42
3	Pathanamthitta	69	38	8	23
4	Alappuzha	81	27	9	45
5	Kottayam	98	26	3	69
6	Idukki	19	2	0	17
7	Ernakulam	117	18	13	86
8	Thrissur	104	23	1	80
9	Palakkad	16	2	3	11
10	Malappuram	31	1	4	26
11	Kozhikode	29	5	1	23
12	Wayanad	36	1	0	35
13	Kannur	55	3	2	50
14	Kasargod	14	1	0	13
Total	Count	1075	413	56	606
	Percentage	100.00%	38.42%	5.21%	56.37%

Annexure Table No. 9: District Wise Distribution Of Markets By Grants Received From Local Body/State/Central Government														
Serial No.	District Name		All markets			Exclusive wholesale markets			Exclusive retail markets			Both Wholesale and Retail markets		
			No. of markets	Grant		No. of markets	Grant		No. of markets	Grant		No. of markets	Grant	
				Received	Not received + not applicable		Received	Not received + not applicable		Received	Not received + not applicable		Received	Not received + not applicable
(a)	(b)		(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
1	Thiruvananthapuram		270	175	95	9	4	5	187	113	74	74	58	16
2	Kollam		185	101	84	40	20	20	120	68	52	25	13	12
3	Pathanamthitta		86	56	30	17	11	6	34	18	16	35	27	8
4	Alappuzha		98	63	35	17	6	11	39	30	9	42	27	15
5	Kottayam		105	58	47	7	4	3	78	45	33	20	9	11
6	Idukki		36	29	7	17	14	3	6	3	3	13	12	1
7	Ernakulam		126	73	53	9	8	1	66	30	36	51	35	16
8	Thrissur		118	60	58	14	8	6	62	27	35	42	25	17
9	Palakkad		35	22	13	19	11	8	8	5	3	8	6	2
10	Malappuram		41	23	18	10	5	5	21	9	12	10	9	1
11	Kozhikode		31	12	19	2	1	1	13	2	11	16	9	7
12	Wayanad		40	15	25	4	1	3	4	2	2	32	12	20
13	Kannur		56	25	31	1	1	0	23	12	11	32	12	20
14	Kasargod		21	9	12	7	1	6	4	2	2	10	6	4
Total		Count	**1248**	**721**	**527**	**173**	**95**	**78**	**665**	**366**	**299**	**410**	**260**	**150**
		Percentage	**100.00%**	**57.77%**	**42.23%**	**100.00%**	**54.91%**	**45.09%**	**100.00%**	**55.04%**	**44.96%**	**100.00%**	**63.41%**	**36.59%**

Annexure Table No. 10: District Wise Distribution Of Markets With Various Infrastructure Facilities

Serial No.	District Name	No. of markets	Type of facility and No. of markets with each facility														
			Permanent buildings	Temporary stalls/ bunks not to be moved	Temporary stalls/ bunks to be moved	Open space	Information counter/ Sign board	Compound wall	Parking facility	Disabled friendly space	Electronic weigh bridge	Price information board	Cold Storage	Ripening Chamber	Zero energy cool chamber	Solar energy cool chamber	Associated Warehouses
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
1	Thiruvananthapuram	270	183	119	136	203	60	176	95	9	10	72	6	9	1	2	7
2	Kollam	185	151	113	107	153	22	107	72	11	30	48	5	4	1	0	1
3	Pathanamthitta	86	67	43	29	71	22	28	43	3	6	36	0	0	1	0	6
4	Alappuzha	98	84	49	24	90	24	41	64	4	3	26	2	0	3	0	0
5	Kottayam	105	95	16	19	37	16	24	37	2	0	77	1	1	0	0	7
6	Idukki	36	29	11	4	26	12	20	25	2	0	26	0	1	0	0	1
7	Ernakulam	126	114	48	25	79	46	81	76	16	3	57	6	1	0	0	1
8	Thrissur	118	88	35	41	54	13	38	42	2	3	51	1	1	0	0	0
9	Palakkad	35	30	10	3	29	9	19	15	3	9	16	1	3	1	0	1
10	Malappuram	41	27	12	12	29	8	8	19	3	3	26	1	2	0	1	1
11	Kozhikode	31	22	5	1	14	6	13	10	1	4	11	0	4	0	0	0
12	Wayanad	40	35	11	6	11	17	14	32	2	8	31	1	1	0	1	5
13	Kannur	56	45	15	11	30	14	10	21	5	4	36	1	7	1	0	5
14	Kasargod	21	20	2	5	12	3	6	13	3	2	8	0	1	0	0	4
Total	Count	**1248**	**990**	**489**	**423**	**838**	**272**	**585**	**564**	**66**	**85**	**521**	**25**	**35**	**8**	**4**	**39**
	Percentage	**100.00%**	**79.33%**	**39.18%**	**33.89%**	**67.15%**	**21.79%**	**46.88%**	**45.19%**	**5.29%**	**6.81%**	**41.75%**	**2.00%**	**2.80%**	**0.64%**	**0.32%**	**3.13%**

Annexure Table No. 10.1: District Wise Distribution Of Exclusive Wholesale Markets With Various Infrastructure Facilities																	
Serial No.	District Name	No. of markets	Type of facility and No. of markets with each facility														
			Permanent buildings	Temporary stalls/ bunks not to be moved	Temporary stalls/ bunks to be moved	Open space	Information counter/ Sign board	Compound wall	Parking facility	Disabled friendly space	Electronic weigh bridge	Price information board	Cold Storage	Ripening Chamber	Zero energy cool chamber	Solar energy cool chamber	Associated Warehouses
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
1	Thiruvananthapuram	9	7	4	4	5	3	6	3	0	2	2	1	0	0	0	0
2	Kollam	40	33	13	9	33	14	30	16	7	15	17	2	2	0	0	1
3	Pathanamthitta	17	14	8	4	14	7	8	12	0	2	8	0	0	0	0	0
4	Alappuzha	17	14	8	2	16	11	10	15	0	1	6	0	0	0	0	0
5	Kottayam	7	6	0	1	6	0	6	4	0	0	7	0	0	0	0	0
6	Idukki	17	17	4	2	15	5	11	16	1	0	14	0	0	0	0	0
7	Ernakulam	9	9	1	0	5	8	9	9	2	1	3	0	0	0	0	0
8	Thrissur	14	14	4	1	11	5	8	7	0	0	6	0	0	0	0	0
9	Palakkad	19	17	2	1	15	6	12	8	3	3	9	0	0	1	0	0
10	Malappuram	10	8	1	1	6	3	4	8	2	0	8	0	0	0	0	0
11	Kozhikode	2	2	0	0	1	1	1	1	0	1	0	0	1	0	0	0
12	Wayanad	4	3	0	0	0	1	0	1	0	0	2	0	0	0	1	0
13	Kannur	1	1	0	0	1	1	1	1	0	0	1	0	0	0	0	0
14	Kasargod	7	7	0	1	4	2	5	6	2	1	5	0	1	0	0	4
Total	Count	173	152	45	26	132	67	111	107	17	26	88	3	4	1	1	5
	Percentage	100.00%	87.86%	26.01%	15.03%	76.30%	38.73%	64.16%	61.85%	9.83%	15.03%	50.87%	1.73%	2.31%	0.58%	0.58%	2.89%

Annexure Table No. 10.2: District Wise Distribution Of Exclusive Retail Markets With Various Infrastructure Facilities

Serial No.	District Name	No. of markets	Type of facility and No. of markets with each facility														
			Permanent buildings	Temporary stalls/ bunks not to be moved	Temporary stalls/ bunks to be moved	Open space	Information counter/ Sign board	Compound wall	Parking facility	Disabled friendly space	Electronic weigh bridge	Price information board	Cold Storage	Ripening Chamber	Zero energy cool chamber	Solar energy cool chamber	Associated Warehouses
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
1	Thiruvananthapuram	187	107	78	88	145	16	115	48	3	1	38	2	3	0	2	1
2	Kollam	120	97	88	84	98	7	67	47	3	14	19	2	0	0	0	0
3	Pathanamthitta	34	23	16	14	29	3	10	15	1	1	7	0	0	0	0	2
4	Alappuzha	39	30	22	9	37	3	13	24	1	0	8	1	0	2	0	0
5	Kottayam	78	70	10	13	19	11	11	24	1	0	56	0	1	0	0	1
6	Idukki	6	2	2	0	2	1	1	2	0	0	5	0	0	0	0	0
7	Ernakulam	66	58	22	11	34	12	38	31	5	0	27	2	1	0	0	0
8	Thrissur	62	37	18	23	18	5	19	21	2	1	34	0	1	0	0	0
9	Palakkad	8	7	4	1	6	0	2	4	0	2	4	0	0	0	0	0
10	Malappuram	21	9	6	6	16	2	3	5	1	0	9	0	0	0	1	0
11	Kozhikode	13	4	3	0	8	1	6	4	0	0	4	0	1	0	0	0
12	Wayanad	4	3	1	1	3	1	2	3	0	0	3	0	0	0	0	0
13	Kannur	23	15	8	5	14	4	2	5	2	0	10	0	1	1	0	0
14	Kasargod	4	3	1	1	4	0	0	4	1	0	0	0	0	0	0	0
Total	Count	**665**	**465**	**279**	**256**	**433**	**66**	**289**	**237**	**20**	**19**	**224**	**7**	**8**	**3**	**3**	**4**
	Percentage	**100.00%**	**69.92%**	**41.95%**	**38.50%**	**65.11%**	**9.92%**	**43.46%**	**35.64%**	**3.01%**	**2.86%**	**33.68%**	**1.05%**	**1.20%**	**0.45%**	**0.45%**	**0.60%**

Annexure Table No. 10.3: District Wise Distribution Of Both Wholesale And Retail Markets With Various Infrastructure Facilities																	
Serial No.	District Name	No. of markets	Type of facility and No. of markets with each facility														
			Permanent buildings	Temporary stalls/ bunks not to be moved	Temporary stalls/ bunks to be moved	Open space	Information counter/ Sign board	Compound wall	Parking facility	Disabled friendly space	Electronic weigh bridge	Price information board	Cold Storage	Ripening Chamber	Zero energy cool chamber	Solar energy cool chamber	Associated Warehouses
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
1	Thiruvananthapuram	74	69	37	44	53	41	55	44	6	7	32	3	6	1	0	6
2	Kollam	25	21	12	14	22	1	10	9	1	1	12	1	2	1	0	0
3	Pathanamthitta	35	30	19	11	28	12	10	16	2	3	21	0	0	1	0	4
4	Alappuzha	42	40	19	13	37	10	18	25	3	2	12	1	0	1	0	0
5	Kottayam	20	19	6	5	12	5	7	9	1	0	14	1	0	0	0	6
6	Idukki	13	10	5	2	9	6	8	7	1	0	7	0	1	0	0	1
7	Ernakulam	51	47	25	14	40	26	34	36	9	2	27	4	0	0	0	1
8	Thrissur	42	37	13	17	25	3	11	14	0	2	11	1	0	0	0	0
9	Palakkad	8	6	4	1	8	3	5	3	0	4	3	1	3	0	0	1
10	Malappuram	10	10	5	5	7	3	1	6	0	3	9	1	2	0	0	1
11	Kozhikode	16	16	2	1	5	4	6	5	1	3	7	0	2	0	0	0
12	Wayanad	32	29	10	5	8	15	12	28	2	8	26	1	1	0	0	5
13	Kannur	32	29	7	6	15	9	7	15	3	4	25	1	6	0	0	5
14	Kasargod	10	10	1	3	4	1	1	3	0	1	3	0	0	0	0	0
Total	Count	**410**	**373**	**165**	**141**	**273**	**139**	**185**	**220**	**29**	**40**	**209**	**15**	**23**	**4**	**0**	**30**
	Percentage	**100.00%**	**90.98%**	**40.24%**	**34.39%**	**66.59%**	**33.90%**	**45.12%**	**53.66%**	**7.07%**	**9.76%**	**50.98%**	**3.66%**	**5.61%**	**0.98%**	**0.00%**	**7.32%**

Annexure Table No. 10.4: District Wise Distribution Of Markets Owned By Local Self Government Institutions With Various Infrastructure Facilities																	
Serial No.	District Name	No. of markets	Type of facility and No. of markets with each facility														
			Permanent buildings	Temporary stalls/ bunks not to be moved	Temporary stalls/ bunks to be moved	Open space	Information counter/ Sign board	Compound wall	Parking facility	Disabled friendly space	Electronic weigh bridge	Price information board	Cold Storage	Ripening Chamber	Zero energy cool chamber	Solar energy cool chamber	Associated Warehouses
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
1	Thiruvananthapuram	156	121	93	94	136	27	120	58	6	3	39	1	5	0	0	4
2	Kollam	89	82	73	69	79	6	55	38	4	8	25	2	0	1	0	0
3	Pathanamthitta	41	36	32	18	38	6	17	24	3	2	19	0	0	1	0	5
4	Alappuzha	47	38	26	15	45	7	22	26	2	2	10	1	0	3	0	0
5	Kottayam	23	23	8	10	13	2	5	13	2	0	12	1	1	0	0	4
6	Idukki	6	5	1	0	5	1	1	3	0	0	4	0	0	0	0	1
7	Ernakulam	47	45	24	12	37	8	28	25	5	1	19	3	0	0	0	0
8	Thrissur	25	24	8	10	17	1	12	16	0	2	14	0	1	0	0	0
9	Palakkad	11	9	5	2	11	2	4	6	1	6	4	1	2	0	0	1
10	Malappuram	9	9	6	6	7	1	1	7	1	3	7	1	2	0	0	1
11	Kozhikode	4	3	2	0	0	1	2	0	0	1	2	0	0	0	0	0
12	Wayanad	5	4	2	0	3	1	2	4	0	0	2	0	0	0	0	0
13	Kannur	15	14	6	4	7	4	3	6	4	2	6	1	1	0	0	1
14	Kasargod	9	8	2	4	8	0	1	7	1	1	2	0	0	0	0	0
Total	Count	**487**	**421**	**288**	**244**	**406**	**67**	**273**	**233**	**29**	**31**	**165**	**11**	**12**	**5**	**0**	**17**
	Percentage	**100.00%**	**86.45%**	**59.14%**	**50.10%**	**83.37%**	**13.76%**	**56.06%**	**47.84%**	**5.95%**	**6.37%**	**33.88%**	**2.26%**	**2.46%**	**1.03%**	**0.00%**	**3.49%**

Annexure Table No. 10.5: District Wise Distribution Of Warehouses Used By Traders In Wholesale Markets- Categorized By Ownership Type, Ownership Category, And Storage Commodity Type																	
Serial No.	District Name	No. of warehouses	Ownership type				No. of warehouses	Ownership category						No. of warehouses	Type of storage commodity		
			Private	Government	Bonded	Cooperative		Individual	Central warehousing corporation	State warehousing corporation	Port/ Airport authorities	Cooperative societies	Others		General	Special commodity	Cold storage
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
1	Thiruvananthapuram	7	0	6	0	1	7	0	0	5	0	1	1	7	6	0	1
2	Kollam	1	0	1	0	0	1	0	0	1	0	0	0	1	1	0	0
3	Pathanamthitta	5	0	5	0	0	5	0	1	4	0	0	0	5	5	0	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	6	0	6	0	0	6	0	0	6	0	0	0	6	6	0	0
6	Idukki	1	0	1	0	0	1	0	1	0	0	0	0	1	1	0	0
7	Ernakulam	1	0	1	0	0	1	0	0	0	0	0	1	1	0	0	1
8	Thrissur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Palakkad	1	1	0	0	0	1	1	0	0	0	0	0	1	0	0	1
10	Malappuram	1	0	1	0	0	1	0	0	1	0	0	0	1	1	0	0
11	Kozhikode	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Wayanad	4	0	4	0	0	4	0	0	3	0	0	1	4	4	0	0
13	Kannur	6	0	5	1	0	6	0	1	4	1	0	0	6	6	0	0
14	Kasargod	3	0	0	0	3	3	0	0	0	0	3	0	3	0	3	0
Total	Count	36	1	30	1	4	36	1	3	24	1	4	3	36	30	3	3
	Percentage	100.00%	2.78%	83.33%	2.78%	11.11%	100.00%	2.78%	8.33%	66.67%	2.78%	11.11%	8.33%	100.00%	83.33%	8.33%	8.33%

Annexure Table No. 10.6: District Wise Distribution Of Storage And Infrastructure Facilities In Warehouses Used By Traders In Wholesale Markets																						
Serial No.	District Name	No. of warehouses	Storage facilities							No. of warehouses	Infrastructure facilities											
			Grains & other food items	Spices	Tubers & plantations	Tobacco products	Dairy products	Vegetables & fruits	Fish, Egg & Meat		Storage of Perishable items	Protection from Moisture, Dust, Rains	Storage High valued items	Parking space	Electronic weigh bridge	Canopy Roofing	Internal Roads	Trucks	Loading/unloading workers	Skilled Workers	Conware belts	Forklifts
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)
1	Thiruvananthapuram	7	6	1	0	1	1	1	0	7	2	7	0	7	2	3	5	1	6	2	0	0
2	Kollam	1	1	1	1	0	0	1	0	1	0	1	0	1	0	1	1	0	1	1	0	0
3	Pathanamthitta	5	5	1	0	1	0	1	0	5	0	5	0	5	5	2	4	1	5	2	2	2
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	6	5	4	4	0	0	1	0	6	1	6	2	6	6	2	6	0	5	4	0	0
6	Idukki	1	1	1	1	0	0	0	0	1	0	1	1	1	0	1	1	0	1	1	0	0
7	Ernakulam	1	0	0	0	0	0	1	0	1	1	1	1	1	0	0	1	0	0	0	0	0
8	Thrissur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Palakkad	1	1	0	0	0	0	1	0	1	1	1	0	1	0	0	0	1	1	1	0	0
10	Malappuram	1	1	1	0	0	0	0	0	1	0	1	1	1	1	0	1	0	1	1	0	0
11	Kozhikode	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Wayanad	4	3	3	0	0	0	1	0	4	0	4	3	4	0	0	4	0	2	2	0	0
13	Kannur	6	6	6	5	1	1	1	1	6	1	6	3	6	5	4	5	2	5	6	0	0
14	Kasargod	3	0	0	0	0	0	0	0	3	0	3	0	3	1	3	3	1	3	3	0	0
Total	Count	36	29	18	11	3	2	8	1	36	6	36	11	36	20	16	31	6	30	23	2	2
	Percentage	100.00%	80.56%	50.00%	30.56%	8.33%	5.56%	22.22%	2.78%	100.00%	16.67%	100.00%	30.56%	100.00%	55.56%	44.44%	86.11%	16.67%	83.33%	63.89%	5.56%	5.56%

Annexure Table No. 10.7: District Wise Distribution Of Service And Security Facilities In Warehouses Used By Traders In Wholesale Markets																	
Serial No.	District Name	No. of warehouses	Service facilities								No. of warehouses	Safety measures					
			Storage	Protection	Risk bearing	Financing	Processing	Grading & Branding	Mixing & Packing	Transportation		CCTV	Alarms	Fencing	Fire fighting	Security	Others
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
1	Thiruvananthapuram	7	7	6	3	0	0	0	0	2	7	2	0	5	5	4	0
2	Kollam	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1	0
3	Pathanamthitta	5	5	5	2	2	0	3	0	3	5	2	1	3	4	3	0
4	Alappuzha	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	6	6	6	3	1	0	2	0	0	6	1	0	5	5	0	0
6	Idukki	1	1	1	1	1	0	0	0	0	1	0	0	1	1	0	0
7	Ernakulam	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0
8	Thrissur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Palakkad	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	0
10	Malappuram	1	1	1	1	1	0	0	0	1	1	0	0	1	1	0	0
11	Kozhikode	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Wayanad	4	4	4	0	1	0	1	2	1	4	1	0	2	2	2	0
13	Kannur	6	6	5	3	0	1	0	0	5	6	2	1	5	6	2	0
14	Kasargod	3	3	3	0	1	3	3	2	3	3	3	3	3	3	3	0
Total	Count	**36**	**36**	**34**	**15**	**8**	**4**	**10**	**4**	**15**	**36**	**13**	**7**	**27**	**29**	**15**	**0**
	Percentage	100.00%	100.00%	94.44%	41.67%	22.22%	11.11%	27.78%	11.11%	41.67%	100.00%	36.11%	19.44%	75.00%	80.56%	41.67%	0.00%

Annexure Table No. 11: District Wise Distribution Of Markets With Various Service Amenities

Serial No.	District Name	No. of markets	No. of markets with specific service amenities														
			Office room	Market Information Centre	Electricity	Internal Road	ATM	Drinking water	Canteen	CCTV	Toilet	Cattle resting place	Waste water treatment	Drainage facility	Water for cleaning purpose	Biogas plant	Market cleaning staff
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
1	Thiruvananthapuram	270	75	43	179	73	67	170	12	18	184	12	9	128	166	14	138
2	Kollam	185	62	23	153	59	55	146	4	17	131	7	4	97	124	3	149
3	Pathanamthitta	86	41	16	68	40	12	64	8	6	53	4	3	66	52	4	61
4	Alappuzha	98	43	19	90	43	43	84	7	10	65	4	1	53	84	3	51
5	Kottayam	105	56	10	100	27	38	66	3	10	52	4	3	28	57	3	20
6	Idukki	36	26	3	34	14	10	35	2	5	31	2	3	15	22	0	29
7	Ernakulam	126	71	34	122	40	57	124	11	36	110	4	3	92	116	9	112
8	Thrissur	118	54	13	102	18	22	88	3	8	61	2	0	25	68	2	43
9	Palakkad	35	26	6	33	10	18	34	1	11	32	3	0	16	26	1	24
10	Malappuram	41	13	4	35	15	23	38	0	5	35	1	3	22	28	0	36
11	Kozhikode	31	16	6	21	8	7	20	2	4	22	3	2	10	15	1	12
12	Wayanad	40	26	12	37	28	23	40	12	23	38	3	1	28	32	1	31
13	Kannur	56	16	4	45	29	17	51	2	9	43	2	2	23	47	0	33
14	Kasargod	21	11	8	18	8	8	13	2	5	15	0	2	8	13	1	8
Total	Count	1248	536	201	1037	412	400	973	69	167	872	51	36	611	850	42	747
	Percentage	100.00%	42.95%	16.11%	83.09%	33.01%	32.05%	77.96%	5.53%	13.38%	69.87%	4.09%	2.88%	48.96%	68.11%	3.37%	59.86%

Annexure Table No. 11.1: District Wise Distribution Of Exclusive Wholesale Markets With Various Service Amenities																	
Serial No.	District Name	No. of markets	No. of markets with specific service amenities														
			Office room	Market Information Centre	Electricity	Internal Road	ATM	Drinking water	Canteen	CCTV	Toilet	Cattle resting place	Waste water treatment	Drainage facility	Water for cleaning purpose	Biogas plant	Market cleaning staff
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
1	Thiruvananthapuram	9	6	4	7	2	2	6	0	1	8	1	0	4	8	0	5
2	Kollam	40	36	8	37	9	10	30	0	7	26	0	2	13	23	0	30
3	Pathanamthitta	17	15	6	17	5	2	16	0	0	13	1	0	12	11	0	13
4	Alappuzha	17	17	10	16	4	2	15	0	1	14	1	1	9	15	2	10
5	Kottayam	7	7	0	7	0	0	7	0	0	7	0	0	4	7	0	0
6	Idukki	17	16	1	16	7	6	17	0	2	16	1	2	7	14	0	13
7	Ernakulam	9	8	5	9	4	7	9	0	5	8	0	0	6	6	1	8
8	Thrissur	14	10	4	14	3	3	11	0	2	11	0	0	4	11	0	9
9	Palakkad	19	18	3	19	1	7	19	0	8	16	0	0	6	13	0	13
10	Malappuram	10	7	2	8	3	4	9	0	1	9	0	1	7	7	0	9
11	Kozhikode	2	1	1	2	2	1	2	1	0	2	0	1	2	2	0	2
12	Wayanad	4	4	1	3	2	1	4	2	2	4	0	1	2	3	0	2
13	Kannur	1	1	1	1	0	0	1	0	0	1	1	0	0	1	0	1
14	Kasargod	7	6	3	7	3	3	5	1	4	7	0	1	3	6	0	4
Total	Count	**173**	**152**	**49**	**163**	**45**	**48**	**151**	**4**	**33**	**142**	**5**	**9**	**79**	**127**	**3**	**119**
	Percentage	**100.00%**	**87.86%**	**28.32%**	**94.22%**	**26.01%**	**27.75%**	**87.28%**	**2.31%**	**19.08%**	**82.08%**	**2.89%**	**5.20%**	**45.66%**	**73.41%**	**1.73%**	**68.79%**

Annexure Table No. 11.2: District Wise Distribution Of Exclusive Retail Markets With Various Service Amenities																	
Serial No.	District Name	No. of markets	No. of markets with specific service amenities														
			Office room	Market Information Centre	Electricity	Internal Road	ATM	Drinking water	Canteen	CCTV	Toilet	Cattle resting place	Waste water treatment	Drainage facility	Water for cleaning purpose	Biogas plant	Market cleaning staff
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
1	Thiruvananthapuram	187	28	18	104	43	42	105	6	7	117	5	6	81	104	7	86
2	Kollam	120	12	9	92	39	34	94	3	8	85	5	2	74	89	2	98
3	Pathanamthitta	34	9	4	20	15	4	23	2	2	17	2	2	29	20	1	25
4	Alappuzha	39	5	4	33	19	21	31	4	3	18	3	0	18	31	1	16
5	Kottayam	78	37	6	73	16	28	47	2	8	34	3	2	14	34	1	10
6	Idukki	6	1	0	5	2	0	5	0	0	2	1	0	1	2	0	4
7	Ernakulam	66	29	13	63	14	27	65	7	11	55	4	2	46	61	5	57
8	Thrissur	62	19	6	49	3	11	39	2	3	26	1	0	7	33	1	12
9	Palakkad	8	1	0	6	6	5	7	0	2	8	0	0	6	8	1	5
10	Malappuram	21	3	0	17	4	12	19	0	3	18	0	1	7	13	0	18
11	Kozhikode	13	2	1	6	2	1	7	0	2	8	3	0	3	6	0	4
12	Wayanad	4	0	0	3	2	1	4	0	2	3	0	0	2	3	0	3
13	Kannur	23	0	0	14	6	3	22	1	1	17	1	0	7	18	0	9
14	Kasargod	4	0	0	3	2	3	4	0	0	4	0	0	3	4	0	1
Total	Count	**665**	**146**	**61**	**488**	**173**	**192**	**472**	**27**	**52**	**412**	**28**	**15**	**298**	**426**	**19**	**348**
	Percentage	**100.00%**	**21.95%**	**9.17%**	**73.38%**	**26.02%**	**28.87%**	**70.98%**	**4.06%**	**7.82%**	**61.95%**	**4.21%**	**2.26%**	**44.81%**	**64.06%**	**2.86%**	**52.33%**

Annexure Table No. 11.3: District Wise Distribution Of Both Wholesale And Retail Markets With Various Service Amenities																	
Serial No.	District Name	No. of markets	No. of markets with specific service amenities														
			Office room	Market Information Centre	Electricity	Internal Road	ATM	Drinking water	Canteen	CCTV	Toilet	Cattle resting place	Waste water treatment	Drainage facility	Water for cleaning purpose	Biogas plant	Market cleaning staff
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
1	Thiruvananthapuram	74	41	21	68	28	23	59	6	10	59	6	3	43	54	7	47
2	Kollam	25	14	6	24	11	11	22	1	2	20	2	0	10	12	1	21
3	Pathanamthitta	35	17	6	31	20	6	25	6	4	23	1	1	25	21	3	23
4	Alappuzha	42	21	5	41	20	20	38	3	6	33	0	0	26	38	0	25
5	Kottayam	20	12	4	20	11	10	12	1	2	11	1	1	10	16	2	10
6	Idukki	13	9	2	13	5	4	13	2	3	13	0	1	7	6	0	12
7	Ernakulam	51	34	16	50	22	23	50	4	20	47	0	1	40	49	3	47
8	Thrissur	42	25	3	39	12	8	38	1	3	24	1	0	14	24	1	22
9	Palakkad	8	7	3	8	3	6	8	1	1	8	3	0	4	5	0	6
10	Malappuram	10	3	2	10	8	7	10	0	1	8	1	1	8	8	0	9
11	Kozhikode	16	13	4	13	4	5	11	1	2	12	0	1	5	7	1	6
12	Wayanad	32	22	11	31	24	21	32	10	19	31	3	0	24	26	1	26
13	Kannur	32	15	3	30	23	14	28	1	8	25	0	2	16	28	0	23
14	Kasargod	10	5	5	8	3	2	4	1	1	4	0	1	2	3	1	3
Total	**Count**	**410**	**238**	**91**	**386**	**194**	**160**	**350**	**38**	**82**	**318**	**18**	**12**	**234**	**297**	**20**	**280**
	Percentage	**100.00%**	**58.05%**	**22.20%**	**94.15%**	**47.32%**	**39.02%**	**85.37%**	**9.27%**	**20.00%**	**77.56%**	**4.39%**	**2.93%**	**57.07%**	**72.44%**	**4.88%**	**68.29%**

Annexure Table No. 11.4: District Wise Distribution Of Markets Owned By Local Self Government Institutions With Various Service Amenities																	
Serial No.	District Name	No. of markets	No. of markets with specific service amenities														
			Office room	Market Information Centre	Electricity	Internal Road	ATM	Drinking water	Canteen	CCTV	Toilet	Cattle resting place	Waste water treatment	Drainage facility	Water for cleaning purpose	Biogas plant	Market cleaning staff
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
1	Thiruvananthapuram	156	34	21	107	56	45	98	7	8	118	10	9	91	107	9	90
2	Kollam	89	12	10	78	43	32	78	2	4	69	4	1	64	72	3	81
3	Pathanamthitta	41	9	4	36	25	7	33	8	6	30	3	2	36	28	4	35
4	Alappuzha	47	14	5	41	24	23	36	3	2	23	3	1	30	41	0	27
5	Kottayam	23	6	2	20	16	15	15	1	5	15	3	3	14	17	1	11
6	Idukki	6	3	0	6	4	4	6	1	1	6	1	1	4	4	0	6
7	Ernakulam	47	13	7	44	22	28	46	5	11	42	3	1	41	46	4	45
8	Thrissur	25	2	1	22	15	11	20	1	3	15	2	0	18	21	2	20
9	Palakkad	11	4	1	9	10	10	10	1	4	11	1	0	10	10	1	10
10	Malappuram	9	1	0	9	9	8	9	0	2	9	1	2	9	9	0	9
11	Kozhikode	4	0	0	3	3	3	4	0	1	4	0	0	3	4	0	4
12	Wayanad	5	0	0	4	4	4	5	0	1	4	2	0	3	4	0	4
13	Kannur	15	5	2	13	11	8	14	0	5	13	0	0	12	15	0	13
14	Kasargod	9	2	1	7	5	4	6	1	1	7	0	1	4	7	1	5
Total	Count	**487**	**105**	**54**	**399**	**247**	**202**	**380**	**30**	**54**	**366**	**33**	**21**	**339**	**385**	**25**	**360**
	Percentage	**100.00%**	**21.56%**	**11.09%**	**81.93%**	**50.72%**	**41.48%**	**78.03%**	**6.16%**	**11.09%**	**75.15%**	**6.78%**	**4.31%**	**69.61%**	**79.06%**	**5.13%**	**73.92%**

Annexure Table No. 12: District Wise Distribution Of Monthly Average Number Of Traders In Markets															
Serial No.	District Name	No. of markets	Buyer				Seller				Both Buyer and Seller				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	**Thiruvananthapuram**	270	249	309	1	65	135	3766	89	936	340	771	68	151	**6880**
2	**Kollam**	185	476	697	13	388	131	2947	120	750	56	296	29	247	**6150**
3	**Pathanamthitta**	86	38	98	22	68	100	1089	63	460	52	82	32	51	**2155**
4	**Alappuzha**	98	28	72	7	43	144	927	82	488	30	48	15	28	**1912**
5	**Kottayam**	105	93	526	0	50	132	1107	5	28	133	342	17	50	**2483**
6	**Idukki**	36	3	3	33	2	42	80	1	70	51	52	13	20	**370**
7	**Ernakulam**	126	0	2	1	0	208	826	102	194	200	259	66	74	**1932**
8	**Thrissur**	118	15	74	8	0	381	599	77	210	77	143	1	2	**1587**
9	**Palakkad**	35	111	90	0	50	236	360	64	355	46	71	4	0	**1387**
10	**Malappuram**	41	39	59	2	37	73	261	4	91	137	352	35	236	**1326**
11	**Kozhikode**	31	17	3	46	13	66	189	318	118	58	155	19	23	**1025**
12	**Wayanad**	40	12	10	3	3	2	114	0	16	109	31	54	3	**357**
13	**Kannur**	56	12	4	35	13	116	175	198	320	107	289	39	270	**1578**
14	**Kasargod**	21	8	50	7	0	5	230	0	43	49	327	10	120	**849**
Total	**Count**	**1248**	**1101**	**1997**	**178**	**732**	**1771**	**12670**	**1123**	**4079**	**1445**	**3218**	**402**	**1275**	**29991**
	Percentage		**3.67%**	**6.66%**	**0.59%**	**2.44%**	**5.91%**	**42.25%**	**3.74%**	**13.60%**	**4.82%**	**10.73%**	**1.34%**	**4.25%**	**100.00%**

Annexure Table No. 12.1: District Wise Distribution Of Monthly Average Number Of Traders In Markets With Permanent Shops By Location Of Transactions																
Serial No.	District Name	No. of markets	With in the market							Outside the market but within the trade area						
			Buyers		Sellers		Both Buyers and Sellers		Total Traders	Buyers		Sellers		Both Buyers and Sellers		Total traders
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers		Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
1	Thiruvananthapuram	270	23	35	64	609	301	208	**1240**	1	8	83	533	57	58	**740**
2	Kollam	185	41	103	45	980	52	170	**1391**	8	233	118	266	29	91	**745**
3	Pathanamthitta	86	26	54	63	355	31	43	**572**	22	40	54	277	29	32	**454**
4	Alappuzha	98	21	29	113	441	29	29	**662**	1	3	80	367	15	13	**479**
5	Kottayam	105	93	258	132	947	128	252	**1810**	0	49	5	14	17	41	**126**
6	Idukki	36	3	3	42	23	51	40	**162**	33	2	1	61	13	14	**124**
7	Ernakulam	126	0	2	195	437	191	169	**994**	1	0	101	156	66	74	**398**
8	Thrissur	118	11	1	380	467	64	68	**991**	7	0	77	162	1	0	**247**
9	Palakkad	35	18	4	46	172	46	48	**334**	0	50	64	335	4	0	**453**
10	Malappuram	41	14	21	23	45	137	303	**543**	2	18	4	1	35	192	**252**
11	Kozhikode	31	17	3	66	79	58	28	**251**	46	13	318	118	19	23	**537**
12	Wayanad	40	11	9	2	112	49	20	**203**	3	2	0	16	54	3	**78**
13	Kannur	56	11	4	64	142	106	280	**607**	35	13	198	320	39	270	**875**
14	Kasargod	21	7	0	0	23	49	325	**404**	7	0	0	24	10	120	**161**
Total	Count	**1248**	**296**	**526**	**1235**	**4832**	**1292**	**1983**	**10164**	**166**	**431**	**1103**	**2650**	**388**	**931**	**5669**
	Percentage		**2.91%**	**5.18%**	**12.15%**	**47.54%**	**12.71%**	**19.51%**	**100.00%**	**2.93%**	**7.60%**	**19.46%**	**46.75%**	**6.84%**	**16.42%**	**100.00%**

Annexure Table No. 12.2: District Wise Distribution Of Monthly Average Number Of Traders In Markets With Permanent Places By Location Of Transactions

Serial No.	District Name	No. of markets	With in the market							Outside the market but within the trade area						
			Buyers		Sellers		Both Buyers and Sellers		Total Traders	Buyers		Sellers		Both Buyers and Sellers		Total traders
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers		Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
1	Thiruvananthapuram	270	1	17	31	2579	16	310	**2954**	0	51	6	212	9	20	**298**
2	Kollam	185	435	530	17	1549	4	108	**2643**	0	136	2	406	0	148	**692**
3	Pathanamthitta	86	12	1	12	447	14	19	**505**	0	19	9	137	3	5	**173**
4	Alappuzha	98	4	28	31	325	1	16	**405**	2	21	2	77	0	12	**114**
5	Kottayam	105	0	87	0	131	5	85	**308**	0	1	0	12	0	9	**22**
6	Idukki	36	0	0	0	9	0	12	**21**	0	0	0	5	0	6	**11**
7	Ernakulam	126	0	0	13	381	7	61	**462**	0	0	1	16	0	0	**17**
8	Thrissur	118	4	32	1	86	13	44	**180**	1	0	0	18	0	2	**21**
9	Palakkad	35	11	35	38	106	0	23	**213**	0	0	0	20	0	0	**20**
10	Malappuram	41	0	20	9	162	0	29	**220**	0	9	0	65	0	26	**100**
11	Kozhikode	31	0	0	0	58	0	1	**59**	0	0	0	0	0	0	**0**
12	Wayanad	40	1	1	0	2	50	11	**65**	0	0	0	0	0	0	**0**
13	Kannur	56	1	0	52	23	0	5	**81**	0	0	0	0	0	0	**0**
14	Kasargod	21	1	0	5	205	0	2	**213**	0	0	0	17	0	0	**17**
Total	Count	**1248**	**470**	**751**	**209**	**6063**	**110**	**726**	**8329**	**3**	**237**	**20**	**985**	**12**	**228**	**1485**
	Percentage		**5.64%**	**9.02%**	**2.51%**	**72.79%**	**1.32%**	**8.72%**	**100.00%**	**0.20%**	**15.96%**	**1.35%**	**66.33%**	**0.81%**	**15.35%**	**100.00%**

Annexure Table No. 12.3: District Wise Distribution Of Monthly Average Number Of Traders In Markets With Neither Permanent Shops Nor Permanent Places, By Location Of Transactions																
Serial No.	District Name	No. of markets	With in the market							Outside the market but within the trade area						
			Buyers		Sellers		Both Buyers and Sellers		Total Traders	Buyers		Sellers		Both Buyers and Sellers		Total traders
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers		Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
1	Thiruvananthapuram	270	225	257	40	625	23	253	**1423**	0	6	0	144	2	73	**225**
2	Kollam	185	0	64	69	442	0	18	**593**	5	19	0	54	0	8	**86**
3	Pathanamthitta	86	0	43	25	289	7	20	**384**	0	9	0	44	0	14	**67**
4	Alappuzha	98	3	15	0	161	0	3	**182**	4	19	0	44	0	3	**70**
5	Kottayam	105	0	181	0	29	0	5	**215**	0	0	0	2	0	0	**2**
6	Idukki	36	0	0	0	48	0	0	**48**	0	0	0	4	0	0	**4**
7	Ernakulam	126	0	0	0	28	2	29	**59**	0	0	0	2	0	0	**2**
8	Thrissur	118	0	41	0	46	0	31	**118**	0	0	0	30	0	0	**30**
9	Palakkad	35	82	51	152	82	0	0	**367**	0	0	0	0	0	0	**0**
10	Malappuram	41	25	18	41	78	0	20	**182**	0	10	0	1	0	18	**29**
11	Kozhikode	31	0	0	0	52	0	126	**178**	0	0	0	0	0	0	**0**
12	Wayanad	40	0	0	0	0	10	0	**10**	0	1	0	0	0	0	**1**
13	Kannur	56	0	0	0	10	1	4	**15**	0	0	0	0	0	0	**0**
14	Kasargod	21	0	50	0	2	0	0	**52**	0	0	0	2	0	0	**2**
Total	Count	1248	335	720	327	1892	43	509	3826	9	64	0	327	2	116	518
	Percentage		8.76%	18.82%	8.55%	49.45%	1.12%	13.30%	100.00%	1.74%	12.36%	0.00%	63.13%	0.39%	22.39%	100.00%

Annexure Table No. 12.4: District Wise Distribution Of Monthly Average Number Of Traders In Markets, Performing Transactions Only As Buyers, By Location Of Transactions																
Serial No.	District Name		No. of markets	Permanent shop				Permanent place				Neither permanent shop nor permanent place				Total traders
				With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
				Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)		(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram		270	23	35	1	8	1	17	0	51	225	257	0	6	**624**
2	Kollam		185	41	103	8	233	435	530	0	136	0	64	5	19	**1574**
3	Pathanamthitta		86	26	54	22	40	12	1	0	19	0	43	0	9	**226**
4	Alappuzha		98	21	29	1	3	4	28	2	21	3	15	4	19	**150**
5	Kottayam		105	93	258	0	49	0	87	0	1	0	181	0	0	**669**
6	Idukki		36	3	3	33	2	0	0	0	0	0	0	0	0	**41**
7	Ernakulam		126	0	2	1	0	0	0	0	0	0	0	0	0	**3**
8	Thrissur		118	11	1	7	0	4	32	1	0	0	41	0	0	**97**
9	Palakkad		35	18	4	0	50	11	35	0	0	82	51	0	0	**251**
10	Malappuram		41	14	21	2	18	0	20	0	9	25	18	0	10	**137**
11	Kozhikode		31	17	3	46	13	0	0	0	0	0	0	0	0	**79**
12	Wayanad		40	11	9	3	2	1	1	0	0	0	0	0	1	**28**
13	Kannur		56	11	4	35	13	1	0	0	0	0	0	0	0	**64**
14	Kasargod		21	7	0	7	0	1	0	0	0	0	50	0	0	**65**
Total		Count	**1248**	**296**	**526**	**166**	**431**	**470**	**751**	**3**	**237**	**335**	**720**	**9**	**64**	**4008**
		Percentage		**7.39%**	**13.12%**	**4.14%**	**10.75%**	**11.73%**	**18.74%**	**0.07%**	**5.91%**	**8.36%**	**17.96%**	**0.22%**	**1.60%**	**100.00%**

Annexure Table No. 12.5: District Wise Distribution Of Monthly Average Number Of Traders In Markets, Performing Transactions Only As Sellers, By Location Of Transactions															
Serial No.	District Name	No. of markets	Permanent shop				Permanent place				Neither permanent shop nor permanent place				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	270	64	609	83	533	31	2579	6	212	40	625	0	144	**4926**
2	Kollam	185	45	980	118	266	17	1549	2	406	69	442	0	54	**3948**
3	Pathanamthitta	86	63	355	54	277	12	447	9	137	25	289	0	44	**1712**
4	Alappuzha	98	113	441	80	367	31	325	2	77	0	161	0	44	**1641**
5	Kottayam	105	132	947	5	14	0	131	0	12	0	29	0	2	**1272**
6	Idukki	36	42	23	1	61	0	9	0	5	0	48	0	4	**193**
7	Ernakulam	126	195	437	101	156	13	381	1	16	0	28	0	2	**1330**
8	Thrissur	118	380	467	77	162	1	86	0	18	0	46	0	30	**1267**
9	Palakkad	35	46	172	64	335	38	106	0	20	152	82	0	0	**1015**
10	Malappuram	41	23	45	4	1	9	162	0	65	41	78	0	1	**429**
11	Kozhikode	31	66	79	318	118	0	58	0	0	0	52	0	0	**691**
12	Wayanad	40	2	112	0	16	0	2	0	0	0	0	0	0	**132**
13	Kannur	56	64	142	198	320	52	23	0	0	0	10	0	0	**809**
14	Kasargod	21	0	23	0	24	5	205	0	17	0	2	0	2	**278**
Total	Count	**1248**	**1235**	**4832**	**1103**	**2650**	**209**	**6063**	**20**	**985**	**327**	**1892**	**0**	**327**	**19643**
	Percentage		**6.29%**	**24.60%**	**5.62%**	**13.49%**	**1.06%**	**30.87%**	**0.10%**	**5.01%**	**1.66%**	**9.63%**	**0.00%**	**1.66%**	**100.00%**

Annexure Table No. 12.6: District Wise Distribution Of Monthly Average Number Of Traders In Markets, Performing Transactions As Both Buyers And Sellers, By Location Of Transactions

Serial No.	District Name	No. of markets	Permanent shop				Permanent place				Neither permanent shop nor permanent place				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	270	301	208	57	58	16	310	9	20	23	253	2	73	**1330**
2	Kollam	185	52	170	29	91	4	108	0	148	0	18	0	8	**628**
3	Pathanamthitta	86	31	43	29	32	14	19	3	5	7	20	0	14	**217**
4	Alappuzha	98	29	29	15	13	1	16	0	12	0	3	0	3	**121**
5	Kottayam	105	128	252	17	41	5	85	0	9	0	5	0	0	**542**
6	Idukki	36	51	40	13	14	0	12	0	6	0	0	0	0	**136**
7	Ernakulam	126	191	169	66	74	7	61	0	0	2	29	0	0	**599**
8	Thrissur	118	64	68	1	0	13	44	0	2	0	31	0	0	**223**
9	Palakkad	35	46	48	4	0	0	23	0	0	0	0	0	0	**121**
10	Malappuram	41	137	303	35	192	0	29	0	26	0	20	0	18	**760**
11	Kozhikode	31	58	28	19	23	0	1	0	0	0	126	0	0	**255**
12	Wayanad	40	49	20	54	3	50	11	0	0	10	0	0	0	**197**
13	Kannur	56	106	280	39	270	0	5	0	0	1	4	0	0	**705**
14	Kasargod	21	49	325	10	120	0	2	0	0	0	0	0	0	**506**
Total	**Count**	**1248**	**1292**	**1983**	**388**	**931**	**110**	**726**	**12**	**228**	**43**	**509**	**2**	**116**	**6340**
	Percentage		**20.38%**	**31.28%**	**6.12%**	**14.68%**	**1.74%**	**11.45%**	**0.19%**	**3.60%**	**0.68%**	**8.03%**	**0.03%**	**1.83%**	**100.00%**

Annexure Table No. 12.7: District Wise Distribution Of Monthly Average Number Of Traders In Wholesale Markets															
Serial No.	District Name	No. of markets	Buyer				Seller				Both Buyer and Seller				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	9	1	0	1	10	44	0	6	93	17	0	0	0	**172**
2	Kollam	40	460	0	6	204	95	0	58	398	25	0	6	137	**1389**
3	Pathanamthitta	17	13	0	0	18	5	0	0	2	2	0	0	0	**40**
4	Alappuzha	17	0	0	0	0	21	0	0	0	6	0	0	0	**27**
5	Kottayam	7	59	0	0	5	4	0	0	0	3	0	0	0	**71**
6	Idukki	17	0	0	0	0	0	0	0	0	18	0	0	1	**19**
7	Ernakulam	9	0	0	0	0	4	0	19	24	8	0	0	0	**55**
8	Thrissur	14	10	0	4	0	57	0	23	0	9	0	0	2	**105**
9	Palakkad	19	11	0	0	0	5	0	0	0	24	0	0	0	**40**
10	Malappuram	10	26	0	0	37	41	0	0	27	5	0	0	37	**173**
11	Kozhikode	2	7	0	36	0	0	0	0	0	1	0	4	0	**48**
12	Wayanad	4	3	0	1	0	1	0	0	0	1	0	0	0	**6**
13	Kannur	1	0	0	0	0	0	0	0	0	1	0	0	0	**1**
14	Kasargod	7	7	0	0	0	5	0	0	0	0	0	0	0	**12**
Total	Count	**173**	**597**	**0**	**48**	**274**	**282**	**0**	**106**	**544**	**120**	**0**	**10**	**177**	**2158**
	Percentage		**27.66%**	**0.00%**	**2.22%**	**12.70%**	**13.07%**	**0.00%**	**4.91%**	**25.21%**	**5.56%**	**0.00%**	**0.46%**	**8.20%**	**100.00%**

Annexure Table No. 12.8: District Wise Distribution Of Monthly Average Number Of Traders In Wholesale Markets, Performing Transactions Only As Buyers, By Location Of Transactions

Serial No.	District Name	No. of markets	Permanent shop				Permanent place				Neither permanent shop nor permanent place				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	9	1	0	1	0	0	0	0	10	0	0	0	0	**12**
2	Kollam	40	30	0	6	81	430	0	0	118	0	0	0	5	**670**
3	Pathanamthitta	17	13	0	0	0	0	0	0	18	0	0	0	0	**31**
4	Alappuzha	17	0	0	0	0	0	0	0	0	0	0	0	0	**0**
5	Kottayam	7	59	0	0	5	0	0	0	0	0	0	0	0	**64**
6	Idukki	17	0	0	0	0	0	0	0	0	0	0	0	0	**0**
7	Ernakulam	9	0	0	0	0	0	0	0	0	0	0	0	0	**0**
8	Thrissur	14	6	0	4	0	4	0	0	0	0	0	0	0	**14**
9	Palakkad	19	11	0	0	0	0	0	0	0	0	0	0	0	**11**
10	Malappuram	10	1	0	0	18	0	0	0	9	25	0	0	10	**63**
11	Kozhikode	2	7	0	36	0	0	0	0	0	0	0	0	0	**43**
12	Wayanad	4	2	0	1	0	1	0	0	0	0	0	0	0	**4**
13	Kannur	1	0	0	0	0	0	0	0	0	0	0	0	0	**0**
14	Kasargod	7	6	0	0	0	1	0	0	0	0	0	0	0	**7**
Total	Count	173	136	0	48	104	436	0	0	155	25	0	0	15	919
	Percentage		14.80%	0.00%	5.22%	11.32%	47.44%	0.00%	0.00%	16.87%	2.72%	0.00%	0.00%	1.63%	100.00%

Annexure Table No. 12.9: District Wise Distribution Of Monthly Average Number Of Traders In Wholesale Markets, Performing Transactions Only As Sellers, By Location Of Transactions															
Serial No.	District Name	No. of markets	Permanent shop				Permanent place				Neither permanent shop nor permanent place				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	9	4	0	6	47	0	0	0	17	40	0	0	29	**143**
2	Kollam	40	18	0	56	18	12	0	2	375	65	0	0	5	**551**
3	Pathanamthitta	17	1	0	0	0	4	0	0	2	0	0	0	0	**7**
4	Alappuzha	17	19	0	0	0	2	0	0	0	0	0	0	0	**21**
5	Kottayam	7	4	0	0	0	0	0	0	0	0	0	0	0	**4**
6	Idukki	17	0	0	0	0	0	0	0	0	0	0	0	0	**0**
7	Ernakulam	9	4	0	19	12	0	0	0	0	0	0	0	12	**47**
8	Thrissur	14	57	0	23	0	0	0	0	0	0	0	0	0	**80**
9	Palakkad	19	3	0	0	0	2	0	0	0	0	0	0	0	**5**
10	Malappuram	10	0	0	0	14	0	0	0	6	41	0	0	7	**68**
11	Kozhikode	2	0	0	0	0	0	0	0	0	0	0	0	0	**0**
12	Wayanad	4	1	0	0	0	0	0	0	0	0	0	0	0	**1**
13	Kannur	1	0	0	0	0	0	0	0	0	0	0	0	0	**0**
14	Kasargod	7	0	0	0	0	5	0	0	0	0	0	0	0	**5**
Total	Count	**173**	**111**	**0**	**104**	**91**	**25**	**0**	**2**	**400**	**146**	**0**	**0**	**53**	**932**
	Percentage		**11.91%**	**0.00%**	**11.16%**	**9.76%**	**2.68%**	**0.00%**	**0.21%**	**42.92%**	**15.67%**	**0.00%**	**0.00%**	**5.69%**	**100.00%**

Annexure Table No. 12.10: District Wise Distribution Of Monthly Average Number Of Traders In Wholesale Markets, Performing Transactions As Both Buyers And Sellers, By Location Of Transactions

Serial No.	District Name	No. of markets	Permanent shop				Permanent place				Neither permanent shop nor permanent place				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	9	2	0	0	0	0	0	0	0	15	0	0	0	17
2	Kollam	40	25	0	6	18	0	0	0	117	0	0	0	2	168
3	Pathanamthitta	17	2	0	0	0	0	0	0	0	0	0	0	0	2
4	Alappuzha	17	6	0	0	0	0	0	0	0	0	0	0	0	6
5	Kottayam	7	3	0	0	0	0	0	0	0	0	0	0	0	3
6	Idukki	17	18	0	0	1	0	0	0	0	0	0	0	0	19
7	Ernakulam	9	8	0	0	0	0	0	0	0	0	0	0	0	8
8	Thrissur	14	7	0	0	0	2	0	0	2	0	0	0	0	11
9	Palakkad	19	24	0	0	0	0	0	0	0	0	0	0	0	24
10	Malappuram	10	5	0	0	18	0	0	0	13	0	0	0	6	42
11	Kozhikode	2	1	0	4	0	0	0	0	0	0	0	0	0	5
12	Wayanad	4	1	0	0	0	0	0	0	0	0	0	0	0	1
13	Kannur	1	1	0	0	0	0	0	0	0	0	0	0	0	1
14	Kasargod	7	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	Count	**173**	**103**	**0**	**10**	**37**	**2**	**0**	**0**	**132**	**15**	**0**	**0**	**8**	307
	Percentage		**33.55%**	**0.00%**	**3.26%**	**12.05%**	**0.65%**	**0.00%**	**0.00%**	**43.00%**	**4.89%**	**0.00%**	**0.00%**	**2.61%**	**100.00%**

Annexure Table No. 12.11: District Wise Distribution Of Monthly Average Number Of Traders In Retail Markets															
Serial No.	District Name	No. of markets	Buyer				Seller				Both Buyer and Seller				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	187	0	33	0	0	0	2814	0	0	0	329	0	0	**3176**
2	Kollam	120	0	158	0	0	0	2523	0	0	0	159	0	0	**2840**
3	Pathanamthitta	34	0	4	0	0	0	540	0	0	0	17	0	0	**561**
4	Alappuzha	39	0	0	0	0	0	607	0	0	0	6	0	0	**613**
5	Kottayam	78	0	162	0	0	0	528	0	0	0	164	0	0	**854**
6	Idukki	6	0	1	0	0	0	48	0	0	0	4	0	0	**53**
7	Ernakulam	66	0	2	0	0	0	595	0	0	0	26	0	0	**623**
8	Thrissur	62	0	13	0	0	0	212	0	0	0	42	0	0	**267**
9	Palakkad	8	0	0	0	0	0	87	0	0	0	18	0	0	**105**
10	Malappuram	21	0	59	0	0	0	237	0	0	0	37	0	0	**333**
11	Kozhikode	13	0	1	0	0	0	140	0	0	0	130	0	0	**271**
12	Wayanad	4	0	4	0	0	0	5	0	0	0	9	0	0	**18**
13	Kannur	23	0	3	0	0	0	61	0	0	0	17	0	0	**81**
14	Kasargod	4	0	0	0	0	0	144	0	0	0	0	0	0	**144**
Total	Count	**665**	**0**	**440**	**0**	**0**	**0**	**8541**	**0**	**0**	**0**	**958**	**0**	**0**	**9939**
	Percentage		**0.00%**	**4.43%**	**0.00%**	**0.00%**	**0.00%**	**85.93%**	**0.00%**	**0.00%**	**0.00%**	**9.64%**	**0.00%**	**0.00%**	**100.00%**

Annexure Table No. 12.12: District Wise Distribution Of Monthly Average Number Of Traders In Retail Markets, Performing Transactions Only As Buyers, By Location Of Transactions															
Serial No.	District Name	No. of markets	Permanent shop				Permanent place				Neither permanent shop nor permanent place				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	187	0	18	0	0	0	15	0	0	0	0	0	0	33
2	Kollam	120	0	26	0	0	0	125	0	0	0	7	0	0	158
3	Pathanamthitta	34	0	2	0	0	0	1	0	0	0	1	0	0	4
4	Alappuzha	39	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Kottayam	78	0	62	0	0	0	65	0	0	0	35	0	0	162
6	Idukki	6	0	1	0	0	0	0	0	0	0	0	0	0	1
7	Ernakulam	66	0	2	0	0	0	0	0	0	0	0	0	0	2
8	Thrissur	62	0	0	0	0	0	12	0	0	0	1	0	0	13
9	Palakkad	8	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Malappuram	21	0	21	0	0	0	20	0	0	0	18	0	0	59
11	Kozhikode	13	0	1	0	0	0	0	0	0	0	0	0	0	1
12	Wayanad	4	0	4	0	0	0	0	0	0	0	0	0	0	4
13	Kannur	23	0	3	0	0	0	0	0	0	0	0	0	0	3
14	Kasargod	4	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	Count	665	0	140	0	0	0	238	0	0	0	62	0	0	440
	Percentage		0.00%	31.82%	0.00%	0.00%	0.00%	54.09%	0.00%	0.00%	0.00%	14.09%	0.00%	0.00%	100.00%

Annexure Table No. 12.13: District Wise Distribution Of Monthly Average Number Of Traders In Retail Markets, Performing Transactions Only As Sellers, By Location Of Transactions															
Serial No.	District Name	No. of markets	Permanent shop				Permanent place				Neither permanent shop nor permanent place				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	187	0	330	0	0	0	2058	0	0	0	426	0	0	**2814**
2	Kollam	120	0	860	0	0	0	1254	0	0	0	409	0	0	**2523**
3	Pathanamthitta	34	0	132	0	0	0	248	0	0	0	160	0	0	**540**
4	Alappuzha	39	0	246	0	0	0	249	0	0	0	112	0	0	**607**
5	Kottayam	78	0	412	0	0	0	97	0	0	0	19	0	0	**528**
6	Idukki	6	0	0	0	0	0	0	0	0	0	48	0	0	**48**
7	Ernakulam	66	0	280	0	0	0	309	0	0	0	6	0	0	**595**
8	Thrissur	62	0	165	0	0	0	31	0	0	0	16	0	0	**212**
9	Palakkad	8	0	15	0	0	0	55	0	0	0	17	0	0	**87**
10	Malappuram	21	0	32	0	0	0	133	0	0	0	72	0	0	**237**
11	Kozhikode	13	0	30	0	0	0	58	0	0	0	52	0	0	**140**
12	Wayanad	4	0	4	0	0	0	1	0	0	0	0	0	0	**5**
13	Kannur	23	0	37	0	0	0	14	0	0	0	10	0	0	**61**
14	Kasargod	4	0	8	0	0	0	136	0	0	0	0	0	0	**144**
Total	Count	**665**	**0**	**2551**	**0**	**0**	**0**	**4643**	**0**	**0**	**0**	**1347**	**0**	**0**	**8541**
	Percentage		**0.00%**	**29.87%**	**0.00%**	**0.00%**	**0.00%**	**54.36%**	**0.00%**	**0.00%**	**0.00%**	**15.77%**	**0.00%**	**0.00%**	**100.00%**

Annexure Table No. 12.14: District Wise Distribution Of Monthly Average Number Of Traders In Retail Markets, Performing Transactions As Both Buyers And Sellers, By Location Of Transactions															
Serial No.	District Name	No. of markets	Permanent shop				Permanent place				Neither permanent shop nor permanent place				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	187	0	109	0	0	0	100	0	0	0	120	0	0	**329**
2	Kollam	120	0	62	0	0	0	89	0	0	0	8	0	0	**159**
3	Pathanamthitta	34	0	5	0	0	0	5	0	0	0	7	0	0	**17**
4	Alappuzha	39	0	3	0	0	0	0	0	0	0	3	0	0	**6**
5	Kottayam	78	0	96	0	0	0	68	0	0	0	0	0	0	**164**
6	Idukki	6	0	3	0	0	0	1	0	0	0	0	0	0	**4**
7	Ernakulam	66	0	25	0	0	0	1	0	0	0	0	0	0	**26**
8	Thrissur	62	0	17	0	0	0	9	0	0	0	16	0	0	**42**
9	Palakkad	8	0	18	0	0	0	0	0	0	0	0	0	0	**18**
10	Malappuram	21	0	14	0	0	0	11	0	0	0	12	0	0	**37**
11	Kozhikode	13	0	3	0	0	0	1	0	0	0	126	0	0	**130**
12	Wayanad	4	0	9	0	0	0	0	0	0	0	0	0	0	**9**
13	Kannur	23	0	13	0	0	0	1	0	0	0	3	0	0	**17**
14	Kasargod	4	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Total	Count	665	0	377	0	0	0	286	0	0	0	295	0	0	958
	Percentage		0.00%	39.35%	0.00%	0.00%	0.00%	29.85%	0.00%	0.00%	0.00%	30.79%	0.00%	0.00%	100.00%

Annexure Table No. 12.15: District Wise Distribution Of Monthly Average Number Of Traders In Both Wholesale And Retail Markets

Serial No.	District Name	No. of markets	Buyer				Seller				Both Buyer and Seller				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	74	248	276	0	55	91	952	83	843	323	442	68	151	**3532**
2	Kollam	25	16	539	7	184	36	424	62	352	31	137	23	110	**1921**
3	Pathanamthitta	35	25	94	22	50	95	549	63	458	50	65	32	51	**1554**
4	Alappuzha	42	28	72	7	43	123	320	82	488	24	42	15	28	**1272**
5	Kottayam	20	34	364	0	45	128	579	5	28	130	178	17	50	**1558**
6	Idukki	13	3	2	33	2	42	32	1	70	33	48	13	19	**298**
7	Ernakulam	51	0	0	1	0	204	231	83	170	192	233	66	74	**1254**
8	Thrissur	42	5	61	4	0	324	387	54	210	68	101	1	0	**1215**
9	Palakkad	8	100	90	0	50	231	273	64	355	22	53	4	0	**1242**
10	Malappuram	10	13	0	2	0	32	24	4	64	132	315	35	199	**820**
11	Kozhikode	16	10	2	10	13	66	49	318	118	57	25	15	23	**706**
12	Wayanad	32	9	6	2	3	1	109	0	16	108	22	54	3	**333**
13	Kannur	32	12	1	35	13	116	114	198	320	106	272	39	270	**1496**
14	Kasargod	10	1	50	7	0	0	86	0	43	49	327	10	120	**693**
Total	Count	**410**	**504**	**1557**	**130**	**458**	**1489**	**4129**	**1017**	**3535**	**1325**	**2260**	**392**	**1098**	**17894**
	Percentage		**2.82%**	**8.70%**	**0.73%**	**2.56%**	**8.32%**	**23.07%**	**5.68%**	**19.76%**	**7.40%**	**12.63%**	**2.19%**	**6.14%**	**100.00%**

Annexure Table No. 12.16: District Wise Distribution Of Monthly Average Number Of Traders In Both Wholesale and Retail Markets, Performing Transactions Only As Buyers, By Location Of Transactions															
Serial No.	District Name	No. of markets	Permanent shop				Permanent place				Neither permanent shop nor permanent place				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	74	22	17	0	8	1	2	0	41	225	257	0	6	**579**
2	Kollam	25	11	77	2	152	5	405	0	18	0	57	5	14	**746**
3	Pathanamthitta	35	13	52	22	40	12	0	0	1	0	42	0	9	**191**
4	Alappuzha	42	21	29	1	3	4	28	2	21	3	15	4	19	**150**
5	Kottayam	20	34	196	0	44	0	22	0	1	0	146	0	0	**443**
6	Idukki	13	3	2	33	2	0	0	0	0	0	0	0	0	**40**
7	Ernakulam	51	0	0	1	0	0	0	0	0	0	0	0	0	**1**
8	Thrissur	42	5	1	3	0	0	20	1	0	0	40	0	0	**70**
9	Palakkad	8	7	4	0	50	11	35	0	0	82	51	0	0	**240**
10	Malappuram	10	13	0	2	0	0	0	0	0	0	0	0	0	**15**
11	Kozhikode	16	10	2	10	13	0	0	0	0	0	0	0	0	**35**
12	Wayanad	32	9	5	2	2	0	1	0	0	0	0	0	1	**20**
13	Kannur	32	11	1	35	13	1	0	0	0	0	0	0	0	**61**
14	Kasargod	10	1	0	7	0	0	0	0	0	0	50	0	0	**58**
Total	Count	410	160	386	118	327	34	513	3	82	310	658	9	49	2649
	Percentage		6.04%	14.57%	4.45%	12.34%	1.28%	19.37%	0.11%	3.10%	11.70%	24.84%	0.34%	1.85%	100.00%

Annexure Table No. 12.17: District Wise Distribution Of Monthly Average Number Of Traders In Both Wholesale and Retail Markets, Performing Transactions Only As Sellers, By Location Of Transactions															
Serial No.	District Name	No. of markets	Permanent shop				Permanent place				Neither permanent shop nor permanent place				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	74	60	272	77	493	31	510	6	206	0	170	0	144	**1969**
2	Kollam	25	27	114	62	254	5	277	0	49	4	33	0	49	**874**
3	Pathanamthitta	35	62	223	54	277	8	197	9	137	25	129	0	44	**1165**
4	Alappuzha	42	94	195	80	367	29	76	2	77	0	49	0	44	**1013**
5	Kottayam	20	128	535	5	14	0	34	0	12	0	10	0	2	**740**
6	Idukki	13	42	23	1	61	0	9	0	5	0	0	0	4	**145**
7	Ernakulam	51	191	147	82	154	13	72	1	16	0	12	0	0	**688**
8	Thrissur	42	323	302	54	162	1	55	0	18	0	30	0	30	**975**
9	Palakkad	8	43	157	64	335	36	51	0	20	152	65	0	0	**923**
10	Malappuram	10	23	0	4	0	9	24	0	64	0	0	0	0	**124**
11	Kozhikode	16	66	49	318	118	0	0	0	0	0	0	0	0	**551**
12	Wayanad	32	1	108	0	16	0	1	0	0	0	0	0	0	**126**
13	Kannur	32	64	105	198	320	52	9	0	0	0	0	0	0	**748**
14	Kasargod	10	0	15	0	24	0	69	0	17	0	2	0	2	**129**
Total	Count	**410**	**1124**	**2245**	**999**	**2595**	**184**	**1384**	**18**	**621**	**181**	**500**	**0**	**319**	**10170**
	Percentage		**11.05%**	**22.07%**	**9.82%**	**25.52%**	**1.81%**	**13.61%**	**0.18%**	**6.11%**	**1.78%**	**4.92%**	**0.00%**	**3.14%**	**100.00%**

Serial No.	District Name	No. of markets	Permanent shop				Permanent place				Neither permanent shop nor permanent place				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	74	299	99	57	58	16	210	9	20	8	133	2	73	**984**
2	Kollam	25	27	108	23	73	4	19	0	31	0	10	0	6	**301**
3	Pathanamthitta	35	29	38	29	32	14	14	3	5	7	13	0	14	**198**
4	Alappuzha	42	23	26	15	13	1	16	0	12	0	0	0	3	**109**
5	Kottayam	20	125	156	17	41	5	17	0	9	0	5	0	0	**375**
6	Idukki	13	33	37	13	13	0	11	0	6	0	0	0	0	**113**
7	Ernakulam	51	183	144	66	74	7	60	0	0	2	29	0	0	**565**
8	Thrissur	42	57	51	1	0	11	35	0	0	0	15	0	0	**170**
9	Palakkad	8	22	30	4	0	0	23	0	0	0	0	0	0	**79**
10	Malappuram	10	132	289	35	174	0	18	0	13	0	8	0	12	**681**
11	Kozhikode	16	57	25	15	23	0	0	0	0	0	0	0	0	**120**
12	Wayanad	32	48	11	54	3	50	11	0	0	10	0	0	0	**187**
13	Kannur	32	105	267	39	270	0	4	0	0	1	1	0	0	**687**
14	Kasargod	10	49	325	10	120	0	2	0	0	0	0	0	0	**506**
Total	**Count**	**410**	**1189**	**1606**	**378**	**894**	**108**	**440**	**12**	**96**	**28**	**214**	**2**	**108**	**5075**
	Percentage		**23.43%**	**31.65%**	**7.45%**	**17.62%**	**2.13%**	**8.67%**	**0.24%**	**1.89%**	**0.55%**	**4.22%**	**0.04%**	**2.13%**	**100.00%**

Table: Annexure Table No. 12.18: District Wise Distribution Of Monthly Average Number Of Traders In Both Wholesale and Retail Markets, Performing Transactions As Both Buyers and Sellers, By Location Of Transactions

Annexure Table No. 12.19: District Wise Distribution Of Monthly Average Number Of Traders In All Markets Arriving Seasonally															
Serial No.	District Name	No. of markets	Buyer				Seller				Both Buyer and Seller				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	218	18	96	14	31	21	723	17	183	26	375	32	70	**1606**
2	Kollam	159	132	107	1	179	3	458	1	571	15	29	1	144	**1641**
3	Pathanamthitta	69	39	79	2	15	30	178	17	36	31	48	5	14	**494**
4	Alappuzha	45	0	16	6	7	0	82	2	88	1	6	0	3	**211**
5	Kottayam	68	56	121	0	15	4	36	0	1	7	11	0	4	**255**
6	Idukki	24	0	0	0	0	0	14	0	6	1	0	0	0	**21**
7	Ernakulam	57	0	0	0	0	1	19	0	15	0	0	0	0	**35**
8	Thrissur	85	2	14	0	0	2	57	0	17	5	31	6	39	**173**
9	Palakkad	24	3	11	0	0	0	14	0	0	0	0	0	0	**28**
10	Malappuram	12	14	0	14	23	1	0	12	22	1	0	16	37	**140**
11	Kozhikode	23	0	0	0	0	0	101	0	0	0	0	0	0	**101**
12	Wayanad	17	0	1	0	0	0	1	0	0	0	1	1	0	**4**
13	Kannur	22	1	0	0	0	12	20	78	58	9	4	7	5	**194**
14	Kasargod	13	0	0	0	0	0	5	0	0	0	0	0	0	**5**
Total	Count	**836**	**265**	**445**	**37**	**270**	**74**	**1708**	**127**	**997**	**96**	**505**	**68**	**316**	**4908**
	Percentage		**5.40%**	**9.07%**	**0.75%**	**5.50%**	**1.51%**	**34.80%**	**2.59%**	**20.31%**	**1.96%**	**10.29%**	**1.39%**	**6.44%**	**100.00%**

Annexure Table No. 12.20: District Wise Distribution Of Monthly Average Number Of Traders In Wholesale Markets Arriving Seasonally

Serial No.	District Name	No. of markets	Buyer				Seller				Both Buyer and Seller				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	9	0	0	0	2	0	0	0	14	5	0	0	0	**21**
2	Kollam	34	130	0	0	137	3	0	0	506	14	0	0	127	**917**
3	Pathanamthitta	15	17	0	0	2	13	0	0	4	12	0	0	3	**51**
4	Alappuzha	2	0	0	0	0	0	0	0	0	0	0	0	0	**0**
5	Kottayam	7	56	0	0	15	4	0	0	0	0	0	0	0	**75**
6	Idukki	13	0	0	0	0	0	0	0	0	1	0	0	0	**1**
7	Ernakulam	6	0	0	0	0	1	0	0	0	0	0	0	0	**1**
8	Thrissur	8	0	0	0	0	0	0	0	0	0	0	0	0	**0**
9	Palakkad	13	0	0	0	0	0	0	0	0	0	0	0	0	**0**
10	Malappuram	5	1	0	12	23	1	0	12	22	1	0	16	37	**125**
11	Kozhikode	2	0	0	0	0	0	0	0	0	0	0	0	0	**0**
12	Wayanad	3	0	0	0	0	0	0	0	0	0	0	0	0	**0**
13	Kannur	1	0	0	0	0	1	0	0	0	0	0	0	0	**1**
14	Kasargod	4	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Total	Count	122	204	0	12	179	23	0	12	546	33	0	16	167	1192
	Percentage		17.11%	0.00%	1.01%	15.02%	1.93%	0.00%	1.01%	45.81%	2.77%	0.00%	1.34%	14.01%	100.00%

Annexure Table No. 12.21: District Wise Distribution Of Monthly Average Number Of Traders In Retail Markets Arriving Seasonally															
Serial No.	District Name	No. of markets	Buyer				Seller				Both Buyer and Seller				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	Thiruvananthapuram	146	0	72	0	0	0	592	0	0	0	140	0	0	**804**
2	Kollam	112	0	74	0	0	0	414	0	0	0	21	0	0	**509**
3	Pathanamthitta	30	0	17	0	0	0	78	0	0	0	11	0	0	**106**
4	Alappuzha	16	0	0	0	0	0	50	0	0	0	0	0	0	**50**
5	Kottayam	45	0	104	0	0	0	26	0	0	0	4	0	0	**134**
6	Idukki	2	0	0	0	0	0	10	0	0	0	0	0	0	**10**
7	Ernakulam	24	0	0	0	0	0	15	0	0	0	0	0	0	**15**
8	Thrissur	48	0	0	0	0	0	2	0	0	0	0	0	0	**2**
9	Palakkad	5	0	0	0	0	0	5	0	0	0	0	0	0	**5**
10	Malappuram	2	0	0	0	0	0	0	0	0	0	0	0	0	**0**
11	Kozhikode	10	0	0	0	0	0	101	0	0	0	0	0	0	**101**
12	Wayanad	1	0	0	0	0	0	0	0	0	0	0	0	0	**0**
13	Kannur	7	0	0	0	0	0	0	0	0	0	0	0	0	**0**
14	Kasargod	4	0	0	0	0	0	5	0	0	0	0	0	0	**5**
Total	Count	**452**	**0**	**267**	**0**	**0**	**0**	**1298**	**0**	**0**	**0**	**176**	**0**	**0**	**1741**
	Percentage		**0.00%**	**15.34%**	**0.00%**	**0.00%**	**0.00%**	**74.55%**	**0.00%**	**0.00%**	**0.00%**	**10.11%**	**0.00%**	**0.00%**	**100.00%**

Annexure Table No. 12.22: District Wise Distribution Of Monthly Average Number Of Traders In Both Wholesale And Retail Markets Arriving Seasonally															
Serial No.	District Name	No. of markets	Buyer				Seller				Both Buyer and Seller				Total traders
			With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		With in the market		Outside the market but within the trade area		
			Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	Wholesalers	Retailers	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)
1	**Thiruvananthapuram**	63	18	24	14	29	21	131	17	169	21	235	32	70	**781**
2	**Kollam**	13	2	33	1	42	0	44	1	65	1	8	1	17	**215**
3	**Pathanamthitta**	24	22	62	2	13	17	100	17	32	19	37	5	11	**337**
4	**Alappuzha**	27	0	16	6	7	0	32	2	88	1	6	0	3	**161**
5	**Kottayam**	16	0	17	0	0	0	10	0	1	7	7	0	4	**46**
6	**Idukki**	9	0	0	0	0	0	4	0	6	0	0	0	0	**10**
7	**Ernakulam**	27	0	0	0	0	0	4	0	15	0	0	0	0	**19**
8	**Thrissur**	29	2	14	0	0	2	55	0	17	5	31	6	39	**171**
9	**Palakkad**	6	3	11	0	0	0	9	0	0	0	0	0	0	**23**
10	**Malappuram**	5	13	0	2	0	0	0	0	0	0	0	0	0	**15**
11	**Kozhikode**	11	0	0	0	0	0	0	0	0	0	0	0	0	**0**
12	**Wayanad**	13	0	1	0	0	0	1	0	0	0	1	1	0	**4**
13	**Kannur**	14	1	0	0	0	11	20	78	58	9	4	7	5	**193**
14	**Kasargod**	5	0	0	0	0	0	0	0	0	0	0	0	0	**0**
Total	**Count**	**262**	**61**	**178**	**25**	**91**	**51**	**410**	**115**	**451**	**63**	**329**	**52**	**149**	**1975**
	Percentage		**3.09%**	**9.01%**	**1.27%**	**4.61%**	**2.58%**	**20.76%**	**5.82%**	**22.84%**	**3.19%**	**16.66%**	**2.63%**	**7.54%**	**100.00%**

Annexure Table No. 13: Commodity Group Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In Tons.)											
Group No.	Commodity group	Crop codes	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced + From neighbouring districts	From neighbouring states + From foreign countries	Percentage of variation of state arrivals over state other arrivals [(j)/(i)]	Variation (+/-)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
1	Grains/cereals	1 to 7	1519.66	11035.90	86505.83	6.00	**99067.39**	12555.56	86511.83	**689.03%**	(-)
2	Pulses	8 to 18	101.20	159.60	13628.04	250.11	**14138.95**	260.8	13878.15	**5321.38%**	(-)
3	Other food items	19 to 27	1599.56	795.93	32833.54	21.00	**35250.03**	2395.49	32854.54	**1371.52%**	(-)
4	Oil seeds	28 to 30, 32 to 36	26372.88	19142.66	47407.46	71.50	**92994.50**	45515.54	47478.96	**104.31%**	(-)
5	Tuber crops	37 to 45	13953.90	5194.06	12656.26	1.00	**31805.22**	19147.96	12657.26	**66.10%**	(+)
6	Vegetables	46 to 75	8346.05	1357.74	74303.71	1146.00	**85153.50**	9703.79	75449.71	**777.53%**	(-)
7	Fruits	76 to 88	13090.54	5244.44	34212.32	745.58	**53292.88**	18334.98	34957.9	**190.66%**	(-)
8	Spices	89 to 104	24790.73	620.75	9234.60	1.20	**34647.28**	25411.48	9235.8	**36.34%**	(+)
9	Egg and Meat (Meat)	108	384.56	262.77	2838.93	0.00	**3486.26**	647.33	2838.93	**438.56%**	(-)
10	Fish items	109 to 113	1356.18	2089.03	4260.86	0.00	**7706.06**	3445.21	4260.86	**123.67%**	(-)
12	Plantation crops	117 to 119	4749.55	110.95	41.27	0.00	**4901.77**	4860.5	41.27	**0.85%**	(+)
13	Tobacco products	120, 122 to 124	2462.64	730.13	1500.47	0.00	**4693.24**	3192.77	1500.47	**47.00%**	(+)
14	Coir and coir products	125 to 126	2.86	50.73	44.87	0.00	**98.46**	53.59	44.87	**83.73%**	(+)
15	Others	127 to 129	1054.72	23.45	548.56	0.00	**1626.73**	1078.17	548.56	**50.88%**	(+)
	Total (In tons/ Percentage)		**99785.02**	**46818.13**	**320016.72**	**2242.39**	**468862.26**	**146603.15**	**322259.11**	**219.82%**	
4	Oil seeds (Coconut with husk- 1000 Nos.)	31	4738.83	11025.50	27120.00	0.00	**42884.33**	15764.33	27120	**172.03%**	(-)
9	Egg and Meat (Egg- 1000 Nos.)	105 to 107	11324.651	42131.39	449645.435	0	**503097.476**	53456.04067	449645.435	**841.15%**	(-)
12	Tobacco products (Betel Leaves- 1000 Nos.)	121	2058.57	1421.09	739.20	0.00	**4218.86**	3479.66	739.20	**21.24%**	(+)
11	Dairy products (1000 Litres)	114 to 116	507.83	431.62	763.95	0.00	**1703.40**	939.45	763.95	**81.32%**	(+)

Annexure Table No. 13.1: District Wise And Commodity Group Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.)

Group No.	Commodity group	Crop codes	Thiruvananthapuram					Kollam					Pathanamthitta				
			From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
1	Grains/cereals	1 to 7	2.00	240.20	3290.72	3.00	**3535.92**	0.00	262.80	3178.30	0.00	**3441.10**	0.20	444.50	1364.50	0.00	**1809.20**
2	Pulses	8 to 18	100.00	123.35	648.33	102.81	**974.49**	0.00	0.00	434.67	0.00	**434.67**	0.00	25.50	323.40	0.50	**349.40**
3	Other food items	19 to 27	0.50	18.53	685.73	21.00	**725.76**	6.55	32.41	621.20	0.00	**660.16**	3.01	85.87	318.17	0.00	**407.05**
4	Oil seeds	28 to 30, 32 to 36	69.55	119.80	731.68	0.50	**921.53**	648.29	62.74	145.79	0.00	**856.82**	8371.02	14611.74	30166.83	11.00	**53160.59**
5	Tuber crops	37 to 45	217.23	44.40	972.66	0.00	**1234.29**	351.74	313.55	233.35	0.00	**898.64**	279.34	169.20	168.99	0.00	**617.53**
6	Vegetables	46 to 75	423.14	121.52	5793.66	5.00	**6343.32**	133.95	4.31	806.87	0.00	**945.13**	117.80	299.83	659.24	0.00	**1076.86**
7	Fruits	76 to 88	896.61	310.90	2003.01	132.87	**3343.39**	721.58	134.99	403.71	5.80	**1266.08**	340.23	245.07	593.41	0.00	**1178.71**
8	Spices	89 to 104	59.11	17.85	509.45	0.00	**586.41**	51.00	8.50	157.79	0.00	**217.30**	61.89	143.56	263.27	0.00	**468.72**
9	Egg and Meat (Meat)	108	12.50	7.00	39.00	0.00	**58.50**	41.15	0.00	128.00	0.00	**169.15**	83.80	77.74	131.50	0.00	**293.04**
10	Fish items	109 to 113	17.92	474.51	66.70	0.00	**559.13**	525.90	54.07	1189.32	0.00	**1769.29**	0.00	156.12	184.61	0.00	**340.73**
12	Plantation crops	117 to 119	137.00	2.65	2.52	0.00	**142.17**	27.23	0.20	0.00	0.00	**27.43**	195.02	5.80	0.00	0.00	**200.82**
13	Tobacco products	120, 122 to 124	3.40	8.30	1.05	0.00	**12.75**	5.33	3.01	7.06	0.00	**15.40**	46.86	79.40	101.80	0.00	**228.06**
14	Coir and coir products	125 to 126	1.86	3.30	17.35	0.00	**22.51**	0.70	0.00	3.02	0.00	**3.72**	0.00	4.00	5.00	0.00	**9.00**
15	Others	127 to 129	0.50	8.40	346.20	0.00	**355.10**	151.01	0.00	18.40	0.00	**169.41**	1.00	7.00	23.00	0.00	**31.00**
	Total (In tons/ Percentage)		**1941.32**	**1500.71**	**15108.06**	**265.18**	**18815.26**	**2664.44**	**876.58**	**7327.48**	**5.80**	**10874.29**	**9500.16**	**16355.32**	**34303.72**	**11.50**	**60170.70**
4	Oil seeds (Coconut with husk- 1000 Nos.)	31	6.50	8.00	107.50	0.00	**122.00**	10.18	0.50	0.50	0.00	**11.18**	3502.30	11010.00	27012.00	0.00	**41524.30**
9	Egg and Meat (Egg- 1000Nos.)	105 to 107	2.26	13.34	40090.39	0.00	**40105.99**	3734.99	200.50	37432.85	0.00	**41368.34**	934.44	8027.45	43272.45	0.00	**52234.34**
12	Tobacco products (Betel Leaves- 1000 Nos.)	121	1.11	1.00	0.20	0.00	**2.31**	2.17	29.20	0.00	0.00	**31.37**	922.15	600.45	0.00	0.00	**1522.60**
11	Dairy products (1000 Litres)	114 to 116	19.70	16.75	9.00	0.00	**45.45**	2.30	45.37	1.40	0.00	**49.07**	0.00	114.00	298.00	0.00	**412.00**

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Annexure Table No. 13.1: District Wise And Commodity Group Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.)																	
Group No.	Commodity group	Crop codes	Alappuzha					Kottayam					Idukki				
			From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
1	Grains/cereals	1 to 7	0.25	63.60	3775.13	3.00	**3841.98**	10.45	1425.00	11576.50	0.00	**13011.95**	0.50	266.00	824.24	0.00	**1090.74**
2	Pulses	8 to 18	0.00	3.95	480.63	0.00	**484.58**	0.00	0.00	899.00	0.00	**899.00**	0.00	0.80	109.30	0.00	**110.10**
3	Other food items	19 to 27	15.00	30.27	1151.39	0.00	**1196.66**	22.85	31.25	1247.10	0.00	**1301.20**	161.25	7.70	574.95	0.00	**743.90**
4	Oil seeds	28 to 30, 32 to 36	1550.21	75.97	224.12	0.00	**1850.30**	26.33	73.00	582.48	0.00	**681.81**	20.85	185.00	92.53	0.00	**298.38**
5	Tuber crops	37 to 45	80.82	35.76	429.47	0.00	**546.05**	539.95	211.40	1117.45	0.00	**1868.80**	7026.27	3245.71	144.40	0.00	**10416.38**
6	Vegetables	46 to 75	160.87	73.39	1699.53	0.00	**1933.78**	253.51	35.25	7540.65	0.00	**7829.41**	117.32	48.30	535.82	0.00	**701.44**
7	Fruits	76 to 88	100.83	264.14	1701.25	0.00	**2066.21**	295.65	208.20	2219.30	3.01	**2726.16**	2134.20	64.05	159.80	0.00	**2358.05**
8	Spices	89 to 104	11.24	2.25	562.11	0.00	**575.59**	44.65	11.95	549.93	0.50	**607.03**	23262.53	8.30	56.07	0.00	**23326.90**
9	Egg and Meat (Meat)	108	0.08	0.00	600.00	0.00	**600.08**	27.00	38.00	458.00	0.00	**523.00**	85.00	1.00	72.00	0.00	**158.00**
10	Fish items	109 to 113	195.11	291.80	219.90	0.00	**706.81**	40.00	78.55	1051.00	0.00	**1169.55**	0.00	34.50	32.00	0.00	**66.50**
12	Plantation crops	117 to 119	0.00	0.00	1.25	0.00	**1.25**	684.00	0.00	0.00	0.00	**684.00**	7.00	0.80	0.00	0.00	**7.80**
13	Tobacco products	120, 122 to 124	0.26	1.00	17.80	0.00	**19.06**	1.50	10.00	82.00	0.00	**93.50**	2.50	0.00	2.50	0.00	**5.00**
14	Coir and coir products	125 to 126	0.00	0.10	0.00	0.00	**0.10**	0.00	0.60	3.00	0.00	**3.60**	0.00	11.00	6.00	0.00	**17.00**
15	Others	127 to 129	900.00	0.25	88.66	0.00	**988.91**	0.20	4.60	6.00	0.00	**10.80**	0.00	0.00	15.00	0.00	**15.00**
	Total (In tons/ Percentage)		**3014.66**	**842.47**	**10951.23**	**3.00**	**14811.36**	**1946.09**	**2127.80**	**27332.41**	**3.51**	**31409.81**	**32817.42**	**3873.16**	**2624.61**	**0.00**	**39315.19**
4	Oil seeds (Coconut with husk- 1000 Nos.)	31	20.00	0.00	0.00	0.00	**20.00**	0.00	0.00	0.00	0.00	**0.00**	1.00	0.00	0.00	0.00	**1.00**
9	Egg and Meat (Egg- 1000 Nos.)	105 to 107	1204.23	9540.00	42208.55	0.00	**52952.78**	26.50	207.00	1427.00	0.00	**1660.50**	750.01	0.00	59152.20	0.00	**59902.21**
12	Tobacco products (Betel Leaves- 1000 Nos.)	121	15.00	160.02	240.00	0.00	**415.02**	2.10	10.00	0.00	0.00	**12.10**	0.00	0.50	0.50	0.00	**1.00**
11	Dairy products (1000 Litres)	114 to 116	0.00	0.00	0.00	0.00	**0.00**	125.00	215.50	115.00	0.00	**455.50**	221.75	0.00	0.00	0.00	**221.75**

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Annexure Table No. 13.1: District Wise And Commodity Group Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.)

Group No.	Commodity group	Crop codes	Ernakulam					Thrissur					Palakkad				
			From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
1	Grains/cereals	1 to 7	374.95	6521.00	18996.50	0.00	**25892.45**	20.00	1028.00	14471.08	0.00	**15519.08**	820.00	20.00	3755.00	0.00	**4595.00**
2	Pulses	8 to 18	0.20	0.00	3955.40	0.00	**3955.60**	0.00	3.00	682.43	0.00	**685.43**	0.00	0.00	2125.00	0.00	**2125.00**
3	Other food items	19 to 27	8.58	307.30	3697.10	0.00	**4012.98**	0.00	6.80	2949.21	0.00	**2956.01**	0.00	0.00	14990.00	0.00	**14990.00**
4	Oil seeds	28 to 30, 32 to 36	516.88	561.70	2961.53	60.00	**4100.11**	8751.07	96.60	3854.37	0.00	**12702.03**	2540.95	0.00	7754.00	0.00	**10294.95**
5	Tuber crops	37 to 45	518.52	275.20	1684.47	0.00	**2478.19**	942.33	829.60	1751.59	0.00	**3523.52**	3514.50	0.00	1435.60	0.00	**4950.10**
6	Vegetables	46 to 75	617.01	264.40	6997.16	0.00	**7878.57**	1557.77	333.50	15080.06	0.00	**16971.32**	3915.06	26.00	13435.00	26.00	**17402.06**
7	Fruits	76 to 88	2852.64	1816.09	10573.18	518.20	**15760.11**	1402.04	859.50	3598.40	55.00	**5914.94**	854.51	230.00	4595.00	0.00	**5679.51**
8	Spices	89 to 104	274.36	190.30	1207.40	0.20	**1672.26**	102.20	8.07	919.55	0.00	**1029.81**	62.75	139.00	180.00	0.00	**381.75**
9	Egg and Meat (Meat)	108	53.20	66.20	474.60	0.00	**594.00**	46.00	68.00	205.00	0.00	**319.00**	15.00	0.00	650.00	0.00	**665.00**
10	Fish items	109 to 113	133.00	297.00	303.08	0.00	**733.08**	178.75	72.90	115.25	0.00	**366.90**	0.00	490.00	67.00	0.00	**557.00**
12	Plantation crops	117 to 119	1064.50	80.50	36.00	0.00	**1181.00**	129.55	21.00	0.00	0.00	**150.55**	0.00	0.00	0.00	0.00	**0.00**
13	Tobacco products	120, 122 to 124	20.41	9.98	55.30	0.00	**85.69**	237.20	500.94	1101.35	0.00	**1839.49**	5.15	2.00	30.00	0.00	**37.15**
14	Coir and coir products	125 to 126	0.00	5.53	5.50	0.00	**11.03**	0.30	26.20	0.00	0.00	**26.50**	0.00	0.00	5.00	0.00	**5.00**
15	Others	127 to 129	1.00	3.20	48.80	0.00	**53.00**	0.01	0.00	2.50	0.00	**2.51**	0.00	0.00	0.00	0.00	**0.00**
	Total (In tons/ Percentage)		**6435.25**	**10398.40**	**50996.02**	**578.40**	**68408.07**	**13367.21**	**3854.11**	**44730.78**	**55.00**	**62007.10**	**11727.92**	**907.00**	**49021.60**	**26.00**	**61682.52**
4	Oil seeds (Coconut with husk- 1000 Nos.)	31	516.00	7.00	0.00	0.00	**523.00**	0.00	0.00	0.00	0.00	**0.00**	0.85	0.00	0.00	0.00	**0.85**
9	Egg and Meat (Egg- 1000 Nos.)	105 to 107	982.91	7216.60	51836.60	0.00	**60036.11**	874.82	2116.00	16573.55	0.00	**19564.37**	563.20	0.00	62005.50	0.00	**62568.70**
12	Tobacco products (Betel Leaves- 1000 Nos.)	121	1.01	222.82	400.05	0.00	**623.88**	240.00	132.00	80.30	0.00	**452.30**	0.00	0.00	7.00	0.00	**7.00**
11	Dairy products (1000 Litres)	114 to 116	138.08	36.00	337.75	0.00	**511.83**	1.00	4.00	2.30	0.00	**7.30**	0.00	0.00	0.00	0.00	**0.00**

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Annexure Table No. 13.1: District Wise And Commodity Group Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources																	(Qty: In tons.)
Group No.	Commodity group	Crop codes	Malappuram					Kozhikode					Wayanad				
			From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
1	Grains/cereals	1 to 7	0.00	167.00	2942.05	0.00	**3109.05**	0.00	290.00	16350.00	0.00	**16640.00**	267.31	0.00	35.00	0.00	**302.31**
2	Pulses	8 to 18	0.00	0.00	166.80	0.50	**167.30**	0.00	0.00	3050.00	145.00	**3195.00**	0.00	0.00	1.75	0.00	**1.75**
3	Other food items	19 to 27	0.00	3.40	934.02	0.00	**937.42**	0.00	150.00	3830.00	0.00	**3980.00**	1377.36	0.00	7.25	0.00	**1384.61**
4	Oil seeds	28 to 30, 32 to 36	300.55	33.63	52.79	0.00	**386.97**	2151.42	225.25	730.00	0.00	**3106.67**	21.10	36.50	2.25	0.00	**59.85**
5	Tuber crops	37 to 45	118.45	10.00	577.20	1.00	**706.65**	52.76	38.00	3350.00	0.00	**3440.76**	180.19	4.71	31.40	0.00	**216.30**
6	Vegetables	46 to 75	286.43	38.50	3551.55	0.00	**3876.48**	264.37	32.00	14820.00	1110.00	**16226.37**	156.79	2.65	90.30	0.00	**249.74**
7	Fruits	76 to 88	922.50	152.80	811.80	0.00	**1887.10**	227.22	451.00	4835.00	30.00	**5543.22**	1881.47	2.50	31.65	0.00	**1915.62**
8	Spices	89 to 104	19.05	21.50	200.13	0.00	**240.68**	210.88	50.30	4211.00	0.00	**4472.18**	566.13	2.20	19.80	0.00	**588.13**
9	Egg and Meat (Meat)	108	2.50	4.00	15.00	0.00	**21.50**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
10	Fish items	109 to 113	15.50	1.00	20.00	0.00	**36.50**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
12	Plantation crops	117 to 119	217.25	0.00	1.00	0.00	**218.25**	0.00	0.00	0.00	0.00	**0.00**	158.82	0.00	0.00	0.00	**158.82**
13	Tobacco products	120, 122 to 124	544.30	45.00	1.00	0.00	**590.30**	350.00	60.00	100.00	0.00	**510.00**	187.00	10.00	0.00	0.00	**197.00**
14	Coir and coir products	125 to 126	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
15	Others	127 to 129	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	1.00	0.00	0.00	0.00	**1.00**
	Total (In tons/ Percentage)		**2426.52**	**476.83**	**9273.34**	**1.50**	**12178.19**	**3256.65**	**1296.55**	**51276.00**	**1285.00**	**57114.20**	**4797.16**	**58.56**	**219.40**	**0.00**	**5075.12**
4	Oil seeds (Coconut with husk- 1000 Nos.)	31	0.00	0.00	0.00	0.00	**0.00**	632.00	0.00	0.00	0.00	**632.00**	0.00	0.00	0.00	0.00	**0.00**
9	Egg and Meat (Egg- 1000 Nos.)	105 to 107	4.00	110.00	3330.00	0.00	**3440.00**	0.30	0.50	14.00	0.00	**14.80**	0.70	0.00	0.40	0.00	**1.10**
12	Tobacco products (Betel Leaves- 1000 Nos.)	121	605.03	0.00	6.00	0.00	**611.03**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
11	Dairy products (1000 Litres)	114 to 116	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**

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Annexure Table No. 13.1: District Wise And Commodity Group Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.)												
Group No.	Commodity group	Crop codes	Kannur					Kasargod				
			From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
1	Grains/cereals	1 to 7	19.00	289.80	5818.96	0.00	**6127.76**	5.00	18.00	127.85	0.00	**150.85**
2	Pulses	8 to 18	1.00	3.00	698.83	0.00	**702.83**	0.00	0.00	52.50	1.30	**53.80**
3	Other food items	19 to 27	2.00	122.40	1751.07	0.00	**1875.47**	2.46	0.00	76.35	0.00	**78.81**
4	Oil seeds	28 to 30, 32 to 36	1093.98	3046.63	77.98	0.00	**4218.59**	310.70	14.10	31.11	0.00	**355.91**
5	Tuber crops	37 to 45	49.12	8.53	530.88	0.00	**588.53**	82.68	8.00	228.80	0.00	**319.48**
6	Vegetables	46 to 75	169.43	20.10	2328.10	5.00	**2522.62**	172.60	58.00	965.80	0.00	**1196.40**
7	Fruits	76 to 88	312.07	343.70	2512.81	0.00	**3168.58**	149.00	161.50	174.00	0.70	**485.20**
8	Spices	89 to 104	41.96	16.47	337.15	0.00	**395.58**	22.98	0.51	60.96	0.50	**84.95**
9	Egg and Meat (Meat)	108	2.33	0.83	45.83	0.00	**48.99**	16.00	0.00	20.00	0.00	**36.00**
10	Fish items	109 to 113	0.00	7.58	286.00	0.00	**293.58**	250.00	131.00	726.00	0.00	**1107.00**
12	Plantation crops	117 to 119	2062.69	0.00	0.50	0.00	**2063.19**	66.50	0.00	0.00	0.00	**66.50**
13	Tobacco products	120, 122 to 124	389.63	0.50	0.61	0.00	**390.74**	669.09	0.00	0.00	0.00	**669.09**
14	Coir and coir products	125 to 126	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
15	Others	127 to 129	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
	Total (In tons/ Percentage)		**4143.22**	**3859.54**	**14388.71**	**5.00**	**22396.46**	**1747.00**	**391.11**	**2463.37**	**2.50**	**4603.98**
4	Oil seeds (Coconut with husk- 1000 Nos.)	31	50.00	0.00	0.00	0.00	**50.00**	0.00	0.00	0.00	0.00	**0.00**
9	Egg and Meat (Egg- 1000 Nos.)	105 to 107	46.30	11200.00	46801.95	0.00	**58048.25**	2200.00	3500.00	45500.00	0.00	**51200.00**
12	Tobacco products (Betel Leaves- 1000 Nos.)	121	0.00	265.10	5.15	0.00	**270.25**	270.00	0.00	0.00	0.00	**270.00**
11	Dairy products (1000 Litres)	114 to 116	0.00	0.00	0.50	0.00	**0.50**	0.00	0.00	0.00	0.00	**0.00**

Annexure Table No. 13.2: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓																
Serial No./Crop Code	Commodity Items	Thiruvananthapuram					Kollam					Pathanamthitta				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
1	Rice	0.00	218.20	2668.10	0.00	**2886.30**	0.00	262.00	2557.20	0.00	**2819.20**	0.00	438.50	1170.00	0.00	**1608.50**
2	White Raw rice	0.00	22.00	536.30	0.00	**558.30**	0.00	0.80	511.60	0.00	**512.40**	0.20	6.00	178.50	0.00	**184.70**
3	Ragi	0.00	0.00	6.97	0.00	**6.97**	0.00	0.00	60.00	0.00	**60.00**	0.00	0.00	0.50	0.00	**0.50**
4	Paddy	1.00	0.00	0.00	0.00	**1.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
5	Wheat	0.00	0.00	22.35	0.00	**22.35**	0.00	0.00	49.00	0.00	**49.00**	0.00	0.00	12.50	0.00	**12.50**
6	Maize/Corn	1.00	0.00	13.50	3.00	**17.50**	0.00	0.00	0.50	0.00	**0.50**	0.00	0.00	0.00	0.00	**0.00**
7	Other millets/Other grains/Other cereals	0.00	0.00	43.50	0.00	**43.50**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	3.00	0.00	**3.00**
8	Bengal gram (Black)	0.00	0.20	29.86	0.00	**30.06**	0.00	0.00	54.15	0.00	**54.15**	0.00	3.00	53.00	0.00	**56.00**
9	Bengal gram (white)	0.00	0.20	43.14	0.00	**43.34**	0.00	0.00	40.60	0.00	**40.60**	0.00	4.00	36.10	0.00	**40.10**
10	Tur dhal	0.00	1.25	61.40	0.00	**62.65**	0.00	0.00	36.30	0.00	**36.30**	0.00	2.50	29.74	0.00	**32.24**
11	Tur dhal(FATKA)	0.00	0.00	4.25	0.00	**4.25**	0.00	0.00	11.40	0.00	**11.40**	0.00	1.50	18.50	0.00	**20.00**
12	Red Gram (Split)	0.00	0.00	9.80	0.00	**9.80**	0.00	0.00	0.75	0.00	**0.75**	0.00	0.00	18.00	0.50	**18.50**
13	Split peageon peas	0.00	0.30	34.89	0.00	**35.19**	0.00	0.00	27.12	0.00	**27.12**	0.00	2.50	27.30	0.00	**29.80**
14	Green gram/Moong Dal	100.00	120.80	242.25	100.00	**563.05**	0.00	0.00	83.25	0.00	**83.25**	0.00	4.00	36.36	0.00	**40.36**
15	Blackgram split	0.00	0.60	117.30	0.00	**117.90**	0.00	0.00	151.90	0.00	**151.90**	0.00	4.00	35.30	0.00	**39.30**
16	Black gram with husk (Split)	0.00	0.00	43.30	2.72	**46.02**	0.00	0.00	12.90	0.00	**12.90**	0.00	0.00	23.00	0.00	**23.00**
17	Black gram with husk	0.00	0.00	31.54	0.09	**31.63**	0.00	0.00	16.30	0.00	**16.30**	0.00	1.00	17.50	0.00	**18.50**
18	Other pulses	0.00	0.00	30.60	0.00	**30.60**	0.00	0.00	0.00	0.00	**0.00**	0.00	3.00	28.60	0.00	**31.60**
19	Sugar	0.00	2.00	479.65	0.00	**481.65**	0.00	0.50	441.35	0.00	**441.85**	0.00	6.50	129.30	0.00	**135.80**
20	Jaggery	0.00	1.40	105.25	0.00	**106.65**	0.00	0.00	138.20	0.00	**138.20**	0.00	8.45	42.61	0.00	**51.06**
21	Jaggery(Achuvellam)	0.00	0.00	10.00	0.00	**10.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
22	Palm jaggery/ Plamgur	0.00	0.30	17.25	0.00	**17.55**	0.00	0.00	29.60	0.00	**29.60**	0.00	4.00	33.02	0.00	**37.02**

Annexure Table No. 13.2: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓

Serial No./Crop Code	Commodity Items	Thiruvananthapuram					Kollam					Pathanamthitta				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
23	Cocoa	0.50	0.00	5.00	0.00	**5.50**	0.00	0.00	0.00	0.00	**0.00**	1.28	0.00	0.00	0.00	**1.28**
24	Tea medium	0.00	11.24	14.35	0.00	**25.59**	6.53	16.75	2.73	0.00	**26.01**	0.00	25.09	36.59	0.00	**61.68**
25	Tea special	0.00	1.89	1.85	1.00	**4.74**	0.00	14.11	3.00	0.00	**17.11**	0.00	20.20	34.00	0.00	**54.20**
26	Coffee	0.00	1.70	2.38	0.00	**4.08**	0.00	1.05	1.33	0.00	**2.38**	1.70	15.98	23.15	0.00	**40.83**
27	Other food items	0.00	0.00	50.00	20.00	**70.00**	0.02	0.00	5.00	0.00	**5.02**	0.03	5.65	19.50	0.00	**25.18**
28	Sesamum	0.00	0.00	4.80	0.00	**4.80**	0.80	0.90	0.00	0.00	**1.70**	0.00	2.50	10.50	0.00	**13.00**
29	Ground nut	0.00	0.00	24.23	0.00	**24.23**	0.20	0.12	3.01	0.00	**3.33**	0.00	3.50	6.20	11.00	**20.70**
30	Coconut without husk	55.55	85.20	386.90	0.50	**528.15**	573.09	22.70	109.60	0.00	**705.39**	8356.07	14543.00	30046.80	0.00	**52945.87**
31	Coconut with husk (1000 Nos.)	6.50	8.00	107.50	0.00	**122.00**	10.18	0.50	0.50	0.00	**11.18**	3502.30	11010.00	27012.00	0.00	**41524.30**
32	Copra	2.00	2.00	45.00	0.00	**49.00**	25.65	32.20	0.00	0.00	**57.85**	0.00	0.00	2.00	0.00	**2.00**
33	Coconut oil cake	7.00	3.50	105.02	0.00	**115.52**	29.04	0.50	0.00	0.00	**29.54**	0.00	7.00	27.00	0.00	**34.00**
34	Coconut oil	5.00	23.80	110.70	0.00	**139.50**	17.31	4.31	20.93	0.00	**42.55**	8.95	36.40	44.09	0.00	**89.44**
35	Sesame oil	0.00	5.30	30.63	0.00	**35.93**	2.20	2.01	12.25	0.00	**16.46**	0.00	14.33	25.22	0.00	**39.55**
36	Other cash crops	0.00	0.00	24.40	0.00	**24.40**	0.00	0.00	0.00	0.00	**0.00**	6.00	5.01	5.02	0.00	**16.03**
37	Potatos	0.00	0.40	692.48	0.00	**692.88**	0.00	0.00	216.60	0.00	**216.60**	0.00	26.50	89.63	0.00	**116.13**
38	Topioca/ Cassava/ Kappa	101.30	30.00	89.00	0.00	**220.30**	110.36	2.90	0.75	0.00	**114.01**	81.19	47.41	11.50	0.00	**140.10**
39	Tapioca Dry (Boiled)	0.20	0.00	0.00	0.00	**0.20**	3.70	0.00	0.00	0.00	**3.70**	10.17	11.00	1.00	0.00	**22.17**
40	Dried tapioca/ Dried cassava	0.50	0.00	0.00	0.00	**0.50**	1.83	0.00	0.00	0.00	**1.83**	10.23	8.70	1.50	0.00	**20.43**
41	Sweet potato	14.10	0.00	7.70	0.00	**21.80**	0.21	0.00	0.00	0.00	**0.21**	0.40	1.10	2.25	0.00	**3.75**
42	Purple yam/Kachil	7.71	3.00	9.15	0.00	**19.86**	34.60	302.60	3.00	0.00	**340.20**	32.28	12.92	14.01	0.00	**59.21**
43	Elephant yam	52.33	8.50	55.01	0.00	**115.84**	159.28	4.00	5.00	0.00	**168.28**	72.52	25.05	19.01	0.00	**116.58**
44	Colocasia	25.93	2.50	42.32	0.00	**70.75**	38.03	4.05	8.00	0.00	**50.08**	62.24	27.72	18.70	0.00	**108.66**

Annexure Table No. 13.2: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources																(Qty: In tons.) ↓
Serial No./Crop Code	Commodity Items	Thiruvananthapuram					Kollam					Pathanamthitta				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
45	Other tuber crops	15.16	0.00	77.00	0.00	**92.16**	3.74	0.00	0.00	0.00	**3.74**	10.32	8.80	11.39	0.00	**30.51**
46	Carrot	0.00	1.00	244.05	0.00	**245.05**	0.00	0.00	31.70	0.00	**31.70**	0.00	10.50	21.55	0.00	**32.05**
47	Radish	0.00	0.00	0.25	0.00	**0.25**	0.00	0.00	0.00	0.00	**0.00**	0.00	1.00	2.10	0.00	**3.10**
48	Beetroot	0.00	5.00	161.10	0.00	**166.10**	0.00	0.00	12.02	0.00	**12.02**	0.00	9.50	18.63	0.00	**28.13**
49	Sweet radish	0.20	0.00	1.80	0.00	**2.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.10	0.00	**0.10**
50	Tomato	2.56	1.80	622.50	0.00	**626.86**	1.05	0.08	57.05	0.00	**58.17**	0.36	10.40	42.56	0.00	**53.32**
51	Spinach	49.74	3.80	18.90	0.00	**72.44**	16.35	0.36	1.00	0.00	**17.71**	11.31	5.00	2.22	0.00	**18.53**
52	Indian bean/Broad bean/ Cluster beans	0.30	0.00	130.15	0.00	**130.45**	0.09	0.20	16.82	0.00	**17.11**	0.05	10.10	19.79	0.00	**29.94**
53	Cabbage	0.20	1.75	165.12	0.00	**167.07**	0.06	0.00	38.70	0.00	**38.76**	0.00	13.00	37.95	0.00	**50.95**
54	Leafy vegetables	0.25	0.00	120.67	0.00	**120.92**	0.24	0.00	2.30	0.00	**2.54**	0.10	3.30	3.33	0.00	**6.73**
55	Brinjal Green Long	5.09	2.00	233.04	0.00	**240.13**	4.51	0.35	18.05	0.00	**22.91**	6.64	12.15	26.81	0.00	**45.60**
56	Green long yard bean	59.31	13.25	132.60	0.00	**205.16**	12.27	0.25	18.60	0.00	**31.12**	16.54	22.10	31.74	0.00	**70.39**
57	Lady Finger/Okra	11.02	0.75	132.40	1.00	**145.17**	5.46	0.10	28.40	0.00	**33.96**	3.95	10.95	21.54	0.00	**36.44**
58	Cauliflower	0.02	0.00	95.65	3.00	**98.67**	0.16	0.00	28.90	0.00	**29.06**	0.22	8.25	15.55	0.00	**24.02**
59	Cucumber	120.94	48.70	311.55	0.00	**481.19**	6.51	0.20	17.75	0.00	**24.46**	8.66	17.70	32.64	0.00	**59.01**
60	Bottle gourd	4.00	0.00	65.10	0.00	**69.10**	2.46	0.00	9.80	0.00	**12.26**	1.10	13.30	21.91	0.00	**36.31**
61	Pumpkin	4.22	2.50	204.40	0.00	**211.12**	1.89	0.10	24.61	0.00	**26.60**	5.58	16.00	36.30	0.00	**57.88**
62	Bitter Gourd	34.73	21.97	119.55	0.00	**176.25**	30.66	1.77	16.45	0.00	**48.88**	12.32	14.90	25.46	0.00	**52.68**
63	Ash gourd	1.80	1.05	126.04	0.00	**128.89**	3.53	0.10	23.70	0.00	**27.33**	3.16	11.70	15.55	0.00	**30.41**
64	Beans	0.10	0.00	134.35	0.00	**134.45**	0.01	0.00	15.98	0.00	**15.99**	0.00	11.50	26.97	0.00	**38.47**
65	Drumstick	5.69	0.75	75.68	0.00	**82.12**	1.55	0.00	14.60	0.00	**16.15**	2.75	8.70	21.30	0.00	**32.75**
66	Green chilli	2.75	1.95	122.60	0.00	**127.30**	1.67	0.00	23.23	0.00	**24.90**	2.98	12.90	25.70	0.00	**41.57**

Annexure Table No. 13.2: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓

Serial No./Crop Code	Commodity Items	Thiruvananthapuram					Kollam					Pathanamthitta				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
67	Ridge gourd	0.09	0.00	28.90	0.00	**28.99**	0.11	0.00	0.30	0.00	**0.41**	0.64	0.70	1.55	0.00	**2.89**
68	Snake gourd	46.91	2.75	145.57	1.00	**196.23**	29.59	0.55	21.10	0.00	**51.24**	17.35	17.18	29.10	0.00	**63.62**
69	Ivy gourd/Coccinia grandis	17.79	2.30	100.55	0.00	**120.64**	8.37	0.25	17.85	0.00	**26.47**	12.47	14.05	21.90	0.00	**48.42**
70	Other vegetables	2.22	3.00	18.70	0.00	**23.92**	5.04	0.00	0.36	0.00	**5.40**	3.57	4.40	8.46	0.00	**16.44**
71	Small onion/Shallot	0.00	3.10	446.41	0.00	**449.51**	0.00	0.00	167.75	0.00	**167.75**	0.00	14.35	53.87	0.00	**68.22**
72	Big Onion/Savala	1.00	4.10	1487.61	0.00	**1492.71**	0.00	0.00	199.00	0.00	**199.00**	0.00	20.00	87.46	0.00	**107.46**
73	Other vegetables I	51.22	0.00	234.00	0.00	**285.22**	2.37	0.00	0.85	0.00	**3.22**	8.05	3.20	4.30	0.00	**15.55**
74	Other vegetables II	0.00	0.00	5.50	0.00	**5.50**	0.00	0.00	0.00	0.00	**0.00**	0.00	2.00	0.90	0.00	**2.90**
75	Other vegetables III	1.00	0.00	108.92	0.00	**109.92**	0.00	0.00	0.00	0.00	**0.00**	0.01	1.00	2.00	0.00	**3.01**
76	Nendran Banana (Nadan)	583.38	136.15	140.00	127.00	**986.53**	476.30	3.54	0.50	0.00	**480.34**	177.19	20.25	19.35	0.00	**216.79**
77	Nendran Banana (Pandy)	4.20	0.00	611.75	0.00	**615.95**	0.00	0.00	100.25	0.00	**100.25**	21.00	1.00	283.30	0.00	**305.30**
78	Nendran Banana (Nadan-Wayanadan)	0.10	15.65	0.00	0.00	**15.75**	0.31	60.00	0.00	0.00	**60.31**	0.20	112.30	94.50	0.00	**207.00**
79	Pineapple	28.90	101.00	7.25	0.00	**137.15**	6.65	60.05	0.25	0.00	**66.95**	6.07	14.40	3.00	0.00	**23.47**
80	Pineapple (pandy)	0.00	7.00	210.00	0.00	**217.00**	0.00	0.00	6.31	0.00	**6.31**	0.03	3.00	21.30	0.00	**24.33**
81	Raw mango	10.96	2.00	113.54	0.00	**126.50**	4.24	3.10	6.20	0.00	**13.54**	17.84	41.36	58.77	0.00	**117.97**
82	Mango (Ripe)	16.50	8.00	24.30	0.00	**48.80**	3.08	0.00	7.50	0.00	**10.58**	4.80	23.36	28.80	0.00	**56.96**
83	Apple	0.00	0.00	192.37	3.07	**195.44**	0.00	0.00	63.25	2.50	**65.75**	0.00	3.00	18.00	0.00	**21.00**
84	Orange	0.00	0.00	265.35	2.00	**267.35**	0.00	0.00	47.80	1.50	**49.30**	0.00	3.00	20.20	0.00	**23.20**
85	Ripe Plantain	251.84	40.80	309.25	0.00	**601.89**	226.73	8.30	67.50	0.00	**302.53**	82.36	19.10	38.65	0.00	**140.11**
86	Other fruits I	0.53	0.30	126.70	0.80	**128.33**	4.22	0.00	104.15	1.80	**110.17**	26.84	2.10	4.35	0.00	**33.29**
87	Other fruits II	0.20	0.00	2.50	0.00	**2.70**	0.03	0.00	0.00	0.00	**0.03**	3.90	0.70	1.20	0.00	**5.80**
88	Other fruits III	0.00	0.00	0.00	0.00	**0.00**	0.01	0.00	0.00	0.00	**0.01**	0.00	1.50	2.00	0.00	**3.50**

Annexure Table No. 13.2: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓

Serial No./Crop Code	Commodity Items	Thiruvananthapuram					Kollam					Pathanamthitta				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
89	Black pepper	12.50	2.80	1.70	0.00	**17.00**	10.91	6.05	0.00	0.00	**16.96**	5.89	9.75	9.00	0.00	**24.64**
90	Cardamom	0.00	1.39	0.00	0.00	**1.39**	0.00	0.09	0.09	0.00	**0.18**	0.00	0.00	0.00	0.00	**0.00**
91	Turmeric	20.26	0.40	5.88	0.00	**26.54**	14.31	0.09	8.88	0.00	**23.28**	8.96	8.89	7.02	0.00	**24.87**
92	Ginger	21.76	3.00	168.08	0.00	**192.84**	24.74	0.85	3.65	0.00	**29.24**	23.16	12.80	24.49	0.00	**60.45**
93	Dried ginger	0.00	0.53	0.50	0.00	**1.03**	0.00	0.02	0.35	0.00	**0.37**	0.66	3.36	3.01	0.00	**7.04**
94	Nutmeg seed with husk	0.14	0.00	0.00	0.00	**0.14**	0.00	0.00	0.00	0.00	**0.00**	1.88	1.00	0.00	0.00	**2.88**
95	Nutmeg seed	0.01	0.03	0.00	0.00	**0.04**	0.00	0.00	0.00	0.00	**0.00**	3.03	1.30	0.00	0.00	**4.33**
96	Chili	0.00	0.50	83.14	0.00	**83.64**	0.00	0.00	26.80	0.00	**26.80**	2.00	15.00	64.00	0.00	**81.00**
97	Coriander	0.00	0.40	53.25	0.00	**53.65**	0.00	0.00	62.65	0.00	**62.65**	0.00	15.30	55.50	0.00	**70.80**
98	Cumin	0.00	0.20	9.11	0.00	**9.31**	0.00	0.00	39.61	0.00	**39.61**	0.05	10.31	14.26	0.00	**24.62**
99	Fennel Seeds	0.00	1.80	6.60	0.00	**8.40**	0.00	0.00	0.02	0.00	**0.02**	0.52	15.01	11.16	0.00	**26.69**
100	Mustard	0.00	0.30	8.95	0.00	**9.25**	0.00	0.00	3.98	0.00	**3.98**	0.08	13.01	13.46	0.00	**26.55**
101	Fenugreek	0.00	0.30	6.92	0.00	**7.22**	0.00	0.00	4.01	0.00	**4.01**	0.01	12.01	11.81	0.00	**23.83**
102	Garlic	0.00	0.20	133.92	0.00	**134.12**	0.00	0.00	3.25	0.00	**3.25**	0.00	9.90	31.25	0.00	**41.15**
103	Tamarind	4.35	3.80	30.10	0.00	**38.25**	0.94	0.00	0.50	0.00	**1.44**	4.15	5.91	12.61	0.00	**22.67**
104	Other spices	0.10	2.20	1.30	0.00	**3.60**	0.10	1.40	4.00	0.00	**5.50**	11.50	10.00	5.70	0.00	**27.20**
105	Egg (Hen) White Lagoon (1000 Nos.)	0.15	0.75	40072.64	0.00	**40073.54**	1.10	0.00	28224.40	0.00	**28225.50**	31.06	6203.20	42339.77	0.00	**48574.03**
106	Country egg (Hen) (1000 Nos.)	1.68	0.44	1.15	0.00	**3.27**	1790.26	0.10	0.00	0.00	**1790.36**	627.58	1002.30	0.58	0.00	**1630.46**
107	Egg (Duck) (1000 Nos.)	0.43	12.15	16.60	0.00	**29.18**	1943.63	200.40	9208.45	0.00	**11352.48**	275.80	821.95	932.10	0.00	**2029.85**
108	Meat	12.50	7.00	39.00	0.00	**58.50**	41.15	0.00	128.00	0.00	**169.15**	83.80	77.74	131.50	0.00	**293.04**
109	Mackerel	1.22	108.75	17.80	0.00	**127.77**	125.30	10.00	300.32	0.00	**435.62**	0.00	45.16	45.38	0.00	**90.54**
110	Sardine	2.80	139.01	12.00	0.00	**153.81**	95.20	19.03	285.70	0.00	**399.93**	0.00	42.26	45.10	0.00	**87.36**

Annexure Table No. 13.2: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.)																
Serial No./Crop Code	Commodity Items	Thiruvananthapuram					Kollam					Pathanamthitta				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
111	Pomfret	0.00	8.00	2.00	0.00	**10.00**	0.20	2.00	140.30	0.00	**142.50**	0.00	10.26	18.60	0.00	**28.86**
112	Prawn	0.50	5.00	3.60	0.00	**9.10**	5.00	12.00	112.00	0.00	**129.00**	0.00	12.36	11.13	0.00	**23.49**
113	Fish items	13.40	213.75	31.30	0.00	**258.45**	300.20	11.04	351.00	0.00	**662.24**	0.00	46.08	64.40	0.00	**110.48**
114	Milk (1000 Litre)	7.30	2.80	0.00	0.00	**10.10**	2.30	45.00	1.40	0.00	**48.70**	0.00	60.00	210.00	0.00	**270.00**
115	Curd (1000 Litre)	8.90	7.35	3.80	0.00	**20.05**	0.00	0.15	0.00	0.00	**0.15**	0.00	48.00	80.00	0.00	**128.00**
116	Other dairy products (1000 Litre)	3.50	6.60	5.20	0.00	**15.30**	0.00	0.22	0.00	0.00	**0.22**	0.00	6.00	8.00	0.00	**14.00**
117	Cashew nut	2.00	2.65	2.52	0.00	**7.17**	6.03	0.20	0.00	0.00	**6.23**	6.02	5.80	0.00	0.00	**11.82**
118	Rubber	135.00	0.00	0.00	0.00	**135.00**	21.20	0.00	0.00	0.00	**21.20**	189.00	0.00	0.00	0.00	**189.00**
119	Other plantation crops	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
120	Tobacco	0.00	0.30	1.05	0.00	**1.35**	0.30	0.00	2.06	0.00	**2.36**	0.00	0.85	3.30	0.00	**4.15**
121	Betel Leaves (1000 Nos.)	1.11	1.00	0.20	0.00	**2.31**	2.17	29.20	0.00	0.00	**31.37**	922.15	600.45	0.00	0.00	**1522.60**
122	Arecanut (Ripe)	2.40	8.00	0.00	0.00	**10.40**	3.22	3.01	3.00	0.00	**9.23**	30.20	66.95	88.00	0.00	**185.15**
123	Dried arecanut/ Dried betel nut	1.00	0.00	0.00	0.00	**1.00**	1.81	0.00	2.00	0.00	**3.81**	16.66	11.60	10.50	0.00	**38.76**
124	Other Stimulants	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
125	Coir	1.36	2.50	4.35	0.00	**8.21**	0.70	0.00	3.02	0.00	**3.72**	0.00	1.00	3.00	0.00	**4.00**
126	Other coir products	0.50	0.80	13.00	0.00	**14.30**	0.00	0.00	0.00	0.00	**0.00**	0.00	3.00	2.00	0.00	**5.00**
127	Tamarind seed powder	0.50	2.40	14.50	0.00	**17.40**	0.00	0.00	16.90	0.00	**16.90**	0.00	5.00	14.00	0.00	**19.00**
128	Lemongrass oil	0.00	0.00	1.00	0.00	**1.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
129	Others	0.00	6.00	330.70	0.00	**336.70**	151.01	0.00	1.50	0.00	**152.51**	1.00	2.00	9.00	0.00	**12.00**
TOTAL*		**1941.32**	**1500.71**	**15108.06**	**265.18**	**18815.26**	**2664.44**	**876.58**	**7327.48**	**5.80**	**10874.29**	**9500.16**	**16355.32**	**34303.72**	**11.50**	**60170.70**

* *Excluding the quantities of crops with codes nos. 31, 105, 106, 107, 114, 115, 116, and 121*

Annexure Table No. 13.3: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓

Serial No./ Crop Code	Commodity Items	Alappuzha					Kottayam					Idukki				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
1	Rice	0.00	26.75	3245.70	0.00	**3272.45**	10.45	1372.00	7670.00	0.00	**9052.45**	0.50	264.00	621.00	0.00	**885.50**
2	White Raw rice	0.00	2.35	411.28	0.00	**413.63**	0.00	53.00	1417.00	0.00	**1470.00**	0.00	0.00	95.00	0.00	**95.00**
3	Ragi	0.00	0.00	3.75	0.00	**3.75**	0.00	0.00	51.50	0.00	**51.50**	0.00	0.00	103.90	0.00	**103.90**
4	Paddy	0.25	0.00	1.90	0.00	**2.15**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
5	Wheat	0.00	34.50	40.90	3.00	**78.40**	0.00	0.00	1267.00	0.00	**1267.00**	0.00	0.00	2.80	0.00	**2.80**
6	Maize/Corn	0.00	0.00	2.50	0.00	**2.50**	0.00	0.00	28.00	0.00	**28.00**	0.00	0.00	1.50	0.00	**1.50**
7	Other millets/Other grains/Other cereals	0.00	0.00	69.10	0.00	**69.10**	0.00	0.00	1143.00	0.00	**1143.00**	0.00	2.00	0.04	0.00	**2.04**
8	Bengal gram (Black)	0.00	1.10	190.66	0.00	**191.76**	0.00	0.00	196.00	0.00	**196.00**	0.00	0.00	11.40	0.00	**11.40**
9	Bengal gram (white)	0.00	0.00	30.48	0.00	**30.48**	0.00	0.00	33.00	0.00	**33.00**	0.00	0.00	5.80	0.00	**5.80**
10	Tur dhal	0.00	2.60	51.42	0.00	**54.02**	0.00	0.00	97.50	0.00	**97.50**	0.00	0.00	10.70	0.00	**10.70**
11	Tur dhal(FATKA)	0.00	0.00	6.60	0.00	**6.60**	0.00	0.00	28.00	0.00	**28.00**	0.00	0.00	0.00	0.00	**0.00**
12	Red Gram (Split)	0.00	0.00	10.79	0.00	**10.79**	0.00	0.00	28.00	0.00	**28.00**	0.00	0.00	3.20	0.00	**3.20**
13	Split peageon peas	0.00	0.00	18.95	0.00	**18.95**	0.00	0.00	32.00	0.00	**32.00**	0.00	0.00	5.40	0.00	**5.40**
14	Green gram/Moong Dal	0.00	0.11	69.23	0.00	**69.34**	0.00	0.00	237.50	0.00	**237.50**	0.00	0.50	31.30	0.00	**31.80**
15	Blackgram split	0.00	0.14	24.30	0.00	**24.44**	0.00	0.00	99.00	0.00	**99.00**	0.00	0.00	35.00	0.00	**35.00**
16	Black gram with husk (Split)	0.00	0.00	13.50	0.00	**13.50**	0.00	0.00	60.00	0.00	**60.00**	0.00	0.00	2.10	0.00	**2.10**
17	Black gram with husk	0.00	0.00	30.90	0.00	**30.90**	0.00	0.00	6.00	0.00	**6.00**	0.00	0.30	0.60	0.00	**0.90**
18	Other pulses	0.00	0.00	33.80	0.00	**33.80**	0.00	0.00	82.00	0.00	**82.00**	0.00	0.00	3.80	0.00	**3.80**
19	Sugar	0.00	2.25	901.55	0.00	**903.80**	0.00	0.00	778.00	0.00	**778.00**	0.00	0.50	534.00	0.00	**534.50**
20	Jaggery	0.00	0.72	92.53	0.00	**93.25**	8.90	21.75	235.50	0.00	**266.15**	2.00	1.30	28.90	0.00	**32.20**
21	Jaggery(Achuvellam)	0.00	0.00	4.00	0.00	**4.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
22	Palm jaggery/ Plamgur	0.00	1.22	16.00	0.00	**17.22**	0.00	5.25	23.50	0.00	**28.75**	0.00	0.00	3.55	0.00	**3.55**

Annexure Table No. 13.3: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources																(Qty: In tons.) ↓
Serial No./ Crop Code	Commodity Items	Alappuzha					Kottayam					Idukki				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
23	Cocoa	0.00	0.00	0.00	0.00	**0.00**	6.00	0.00	0.00	0.00	**6.00**	6.50	0.00	0.00	0.00	**6.50**
24	Tea medium	0.00	14.44	78.82	0.00	**93.26**	0.50	3.30	161.90	0.00	**165.70**	23.00	5.90	0.00	0.00	**28.90**
25	Tea special	0.00	1.60	11.15	0.00	**12.75**	0.00	0.10	0.05	0.00	**0.15**	1.00	0.00	0.00	0.00	**1.00**
26	Coffee	0.00	0.04	3.34	0.00	**3.38**	7.45	0.85	47.15	0.00	**55.45**	128.75	0.00	0.00	0.00	**128.75**
27	Other food items	15.00	10.00	44.00	0.00	**69.00**	0.00	0.00	1.00	0.00	**1.00**	0.00	0.00	8.50	0.00	**8.50**
28	Sesamum	0.00	0.00	3.00	0.00	**3.00**	0.00	0.00	2.23	0.00	**2.23**	0.00	0.00	2.15	0.00	**2.15**
29	Ground nut	0.00	0.00	6.65	0.00	**6.65**	0.00	2.00	33.00	0.00	**35.00**	0.00	0.00	3.50	0.00	**3.50**
30	Coconut without husk	1550.20	14.00	25.00	0.00	**1589.20**	21.33	64.00	233.00	0.00	**318.33**	13.65	157.00	74.00	0.00	**244.65**
31	Coconut with husk (1000 Nos.)	20.00	0.00	0.00	0.00	**20.00**	0.00	0.00	0.00	0.00	**0.00**	1.00	0.00	0.00	0.00	**1.00**
32	Copra	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	1.00	4.00	2.00	0.00	**7.00**
33	Coconut oil cake	0.00	1.50	46.50	0.00	**48.00**	0.00	0.00	5.00	0.00	**5.00**	2.00	0.00	0.00	0.00	**2.00**
34	Coconut oil	0.01	60.47	88.73	0.00	**149.21**	5.00	7.00	212.00	0.00	**224.00**	3.70	24.00	5.80	0.00	**33.50**
35	Sesame oil	0.00	0.00	25.24	0.00	**25.24**	0.00	0.00	37.25	0.00	**37.25**	0.00	0.00	4.90	0.00	**4.90**
36	Other cash crops	0.00	0.00	29.00	0.00	**29.00**	0.00	0.00	60.00	0.00	**60.00**	0.50	0.00	0.18	0.00	**0.68**
37	Potatos	2.00	2.90	308.58	0.00	**313.48**	0.00	2.00	572.50	0.00	**574.50**	56.00	18.01	115.00	0.00	**189.01**
38	Topioca/ Cassava/ Kappa	20.42	14.80	58.80	0.00	**94.02**	292.93	90.00	0.00	0.00	**382.93**	6909.60	3130.00	5.00	0.00	**10044.60**
39	Tapioca Dry (Boiled)	0.12	0.00	0.00	0.00	**0.12**	15.61	80.50	2.00	0.00	**98.11**	9.65	95.20	8.00	0.00	**112.85**
40	Dried tapioca/ Dried cassava	0.71	0.00	1.10	0.00	**1.81**	6.10	1.00	6.00	0.00	**13.10**	1.00	0.00	0.00	0.00	**1.00**
41	Sweet potato	0.00	0.00	2.10	0.00	**2.10**	0.70	0.70	40.90	0.00	**42.30**	0.03	0.00	1.30	0.00	**1.33**
42	Purple yam/Kachil	14.92	5.75	9.90	0.00	**30.57**	41.53	3.50	15.20	0.00	**60.23**	5.10	0.00	0.00	0.00	**5.10**
43	Elephant yam	22.90	6.88	22.20	0.00	**51.98**	126.36	22.50	305.85	0.00	**454.71**	14.57	2.00	7.90	0.00	**24.47**
44	Colocasia	18.88	3.43	18.49	0.00	**40.80**	53.03	11.00	174.80	0.00	**238.83**	9.50	0.50	7.20	0.00	**17.20**

Annexure Table No. 13.3: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓																
Serial No./ Crop Code	Commodity Items	Alappuzha					Kottayam					Idukki				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
45	Other tuber crops	0.88	2.00	8.30	0.00	**11.18**	3.69	0.20	0.20	0.00	**4.09**	20.82	0.00	0.00	0.00	**20.82**
46	Carrot	0.00	2.50	27.27	0.00	**29.77**	0.00	0.30	499.65	0.00	**499.95**	15.50	13.00	30.20	0.00	**58.70**
47	Radish	0.00	0.00	1.50	0.00	**1.50**	0.00	0.00	1.00	0.00	**1.00**	0.00	0.50	2.10	0.00	**2.60**
48	Beetroot	0.00	2.00	14.82	0.00	**16.82**	0.00	0.30	252.30	0.00	**252.60**	1.20	2.00	31.00	0.00	**34.20**
49	Sweet radish	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
50	Tomato	0.48	3.75	57.61	0.00	**61.84**	1.25	1.20	555.00	0.00	**557.45**	0.60	0.10	39.90	0.00	**40.60**
51	Spinach	13.33	10.10	3.21	0.00	**26.64**	1.52	2.15	20.50	0.00	**24.17**	0.37	0.00	0.42	0.00	**0.79**
52	Indian bean/Broad bean/ Cluster beans	0.60	2.80	4.89	0.00	**8.29**	0.00	0.00	0.40	0.00	**0.40**	0.00	0.00	0.39	0.00	**0.39**
53	Cabbage	0.00	3.00	24.36	0.00	**27.36**	0.20	0.70	460.05	0.00	**460.95**	15.15	12.50	34.50	0.00	**62.15**
54	Leafy vegetables	0.00	0.60	7.98	0.00	**8.58**	0.00	0.00	1.00	0.00	**1.00**	0.01	0.00	0.16	0.00	**0.17**
55	Brinjal Green Long	4.77	1.65	18.54	0.00	**24.96**	87.13	1.25	415.70	0.00	**504.08**	1.23	0.00	6.70	0.00	**7.93**
56	Green long yard bean	25.90	3.67	32.28	0.00	**61.85**	33.58	1.85	412.55	0.00	**447.98**	20.49	0.01	23.40	0.00	**43.90**
57	Lady Finger/Okra	4.22	4.75	28.86	0.00	**37.83**	3.48	1.20	465.25	0.00	**469.93**	0.36	0.03	20.80	0.00	**21.19**
58	Cauliflower	0.00	0.20	11.40	0.00	**11.60**	0.10	0.60	51.45	0.00	**52.15**	0.15	1.50	11.45	0.00	**13.10**
59	Cucumber	33.30	1.45	30.90	0.00	**65.65**	19.28	2.50	517.00	0.00	**538.78**	1.01	0.00	25.90	0.00	**26.91**
60	Bottle gourd	0.08	0.00	3.72	0.00	**3.80**	5.47	1.50	33.50	0.00	**40.47**	0.01	0.00	6.20	0.00	**6.21**
61	Pumpkin	5.59	2.47	32.17	0.00	**40.23**	12.32	4.65	268.00	0.00	**284.97**	1.39	0.51	24.10	0.00	**26.00**
62	Bitter Gourd	14.12	2.17	17.40	0.00	**33.69**	18.17	3.70	309.60	0.00	**331.47**	21.50	0.00	13.40	0.00	**34.90**
63	Ash gourd	5.42	1.94	28.68	0.00	**36.04**	14.62	3.70	242.90	0.00	**261.22**	1.23	0.00	5.30	0.00	**6.53**
64	Beans	0.00	2.40	24.26	0.00	**26.66**	0.00	0.70	434.50	0.00	**435.20**	32.60	10.00	45.10	0.00	**87.70**
65	Drumstick	0.10	1.70	17.25	0.00	**19.05**	1.10	0.85	33.00	0.00	**34.95**	0.01	0.00	12.50	0.00	**12.51**
66	Green chilli	1.23	2.43	34.17	0.00	**37.83**	0.81	1.55	237.00	0.00	**239.36**	0.85	0.00	37.70	0.00	**38.55**

Annexure Table No. 13.3: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources																(Qty: In tons.) ↓
Serial No./ Crop Code	Commodity Items	Alappuzha					Kottayam					Idukki				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
67	Ridge gourd	0.58	1.31	11.08	0.00	**12.96**	1.02	0.55	2.20	0.00	**3.77**	0.01	0.00	0.80	0.00	**0.81**
68	Snake gourd	37.29	3.40	28.01	0.00	**68.70**	37.13	2.10	274.10	0.00	**313.33**	1.45	0.00	16.70	0.00	**18.15**
69	Ivy gourd/Coccinia grandis	7.92	1.65	16.33	0.00	**25.90**	10.91	3.40	382.60	0.00	**396.91**	0.56	0.05	8.60	0.00	**9.21**
70	Other vegetables	3.15	0.50	18.05	0.00	**21.70**	0.80	0.10	81.10	0.00	**82.00**	0.55	0.00	0.00	0.00	**0.55**
71	Small onion/Shallot	0.00	3.10	294.15	0.00	**297.25**	0.00	0.00	341.80	0.00	**341.80**	0.00	0.00	44.00	0.00	**44.00**
72	Big Onion/Savala	0.00	10.85	904.64	0.00	**915.49**	0.00	0.00	1195.00	0.00	**1195.00**	0.00	8.10	94.50	0.00	**102.60**
73	Other vegetables I	2.80	3.00	6.00	0.00	**11.80**	4.63	0.40	30.50	0.00	**35.53**	1.10	0.00	0.00	0.00	**1.10**
74	Other vegetables II	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	15.00	0.00	**15.00**	0.00	0.00	0.00	0.00	**0.00**
75	Other vegetables III	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	8.00	0.00	**8.00**	0.00	0.00	0.00	0.00	**0.00**
76	Nendran Banana (Nadan)	46.13	6.72	1.50	0.00	**54.35**	112.41	13.00	75.00	0.00	**200.41**	2073.76	20.55	36.00	0.00	**2130.31**
77	Nendran Banana (Pandy)	0.25	6.50	730.35	0.00	**737.10**	0.00	33.00	671.00	0.00	**704.00**	0.00	0.00	67.00	0.00	**67.00**
78	Nendran Banana (Nadan-Wayanadan)	0.00	115.00	2.00	0.00	**117.00**	0.00	81.00	0.00	0.00	**81.00**	0.00	0.00	0.00	0.00	**0.00**
79	Pineapple	0.70	108.60	6.30	0.00	**115.60**	53.27	58.50	0.00	0.00	**111.77**	2.85	27.40	0.00	0.00	**30.25**
80	Pineapple (pandy)	0.00	1.50	1.00	0.00	**2.50**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
81	Raw mango	5.64	6.50	5.95	0.00	**18.09**	26.85	5.20	318.30	0.00	**350.35**	5.71	7.80	9.30	0.00	**22.81**
82	Mango (Ripe)	0.50	1.80	12.00	0.00	**14.30**	5.00	0.00	115.00	0.00	**120.00**	4.00	0.20	13.45	0.00	**17.65**
83	Apple	0.00	0.60	43.80	0.00	**44.40**	0.00	0.50	79.00	3.01	**82.51**	0.00	0.05	8.90	0.00	**8.95**
84	Orange	0.00	3.60	131.80	0.00	**135.40**	0.00	0.00	135.00	0.00	**135.00**	0.00	0.00	17.30	0.00	**17.30**
85	Ripe Plantain	41.15	11.52	599.15	0.00	**651.81**	93.72	15.00	611.00	0.00	**719.72**	37.88	5.30	0.00	0.00	**43.18**
86	Other fruits I	6.46	1.80	167.40	0.00	**175.66**	4.41	2.00	100.00	0.00	**106.41**	5.71	0.75	6.85	0.00	**13.31**
87	Other fruits II	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	115.00	0.00	**115.00**	3.50	2.00	0.00	0.00	**5.50**
88	Other fruits III	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.80	0.00	1.00	0.00	**1.80**

Annexure Table No. 13.3: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources																(Qty: In tons.) ↓
Serial No./ Crop Code	Commodity Items	Alappuzha					Kottayam					Idukki				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
89	Black pepper	0.20	0.00	3.64	0.00	**3.84**	5.55	2.60	1.10	0.00	**9.25**	8449.25	4.00	0.00	0.00	**8453.25**
90	Cardamom	0.00	0.10	1.01	0.00	**1.11**	0.00	0.20	0.80	0.00	**1.00**	14618.20	3.00	0.00	0.00	**14621.20**
91	Turmeric	5.70	0.00	9.20	0.00	**14.90**	9.23	1.60	2.50	0.00	**13.33**	1.98	0.00	0.00	0.00	**1.98**
92	Ginger	4.25	1.50	13.55	0.00	**19.30**	23.30	2.40	17.20	0.50	**43.40**	7.82	0.30	2.50	0.00	**10.62**
93	Dried ginger	0.00	0.25	0.00	0.00	**0.25**	1.00	0.45	1.00	0.00	**2.45**	0.37	0.00	0.00	0.00	**0.37**
94	Nutmeg seed with husk	0.00	0.00	0.00	0.00	**0.00**	1.02	0.10	0.00	0.00	**1.12**	107.10	0.00	0.00	0.00	**107.10**
95	Nutmeg seed	0.03	0.00	0.00	0.00	**0.03**	2.00	0.10	0.00	0.00	**2.10**	2.30	0.00	0.00	0.00	**2.30**
96	Chili	0.00	0.00	261.73	0.00	**261.73**	0.00	0.10	272.60	0.00	**272.70**	0.00	0.00	21.30	0.00	**21.30**
97	Coriander	0.00	0.00	82.68	0.00	**82.68**	0.00	0.00	100.07	0.00	**100.07**	0.00	0.00	14.10	0.00	**14.10**
98	Cumin	0.00	0.00	6.53	0.00	**6.53**	0.00	0.00	3.08	0.00	**3.08**	0.00	0.00	0.78	0.00	**0.78**
99	Fennel Seeds	0.00	0.00	0.59	0.00	**0.59**	0.00	0.00	1.07	0.00	**1.07**	0.00	0.00	0.36	0.00	**0.36**
100	Mustard	0.00	0.00	5.75	0.00	**5.75**	0.00	0.00	4.18	0.00	**4.18**	0.00	0.00	1.09	0.00	**1.09**
101	Fenugreek	0.00	0.00	4.60	0.00	**4.60**	0.00	0.80	2.54	0.00	**3.34**	0.00	0.00	0.55	0.00	**0.55**
102	Garlic	0.00	0.40	152.72	0.00	**153.12**	0.00	0.00	136.75	0.00	**136.75**	4.50	0.50	9.80	0.00	**14.80**
103	Tamarind	1.06	0.00	20.10	0.00	**21.16**	2.55	3.00	6.45	0.00	**12.00**	0.01	0.50	4.09	0.00	**4.60**
104	Other spices	0.00	0.00	0.02	0.00	**0.02**	0.00	0.60	0.60	0.00	**1.20**	71.00	0.00	1.50	0.00	**72.50**
105	Egg (Hen) White Lagoon (1000 Nos.)	0.00	30.00	25855.80	0.00	**25885.80**	2.00	130.00	1214.00	0.00	**1346.00**	300.00	0.00	11251.20	0.00	**11551.20**
106	Country egg (Hen) (1000 Nos.)	754.07	3490.00	12003.00	0.00	**16247.07**	23.50	62.00	50.00	0.00	**135.50**	450.00	0.00	1100.00	0.00	**1550.00**
107	Egg (Duck) (1000 Nos.)	450.16	6020.00	4349.75	0.00	**10819.91**	1.00	15.00	163.00	0.00	**179.00**	0.01	0.00	46801.00	0.00	**46801.01**
108	Meat	0.08	0.00	600.00	0.00	**600.08**	27.00	38.00	458.00	0.00	**523.00**	85.00	1.00	72.00	0.00	**158.00**
109	Mackerel	5.00	3.00	87.10	0.00	**95.10**	0.00	14.75	166.00	0.00	**180.75**	0.00	2.40	6.00	0.00	**8.40**
110	Sardine	12.00	4.00	109.00	0.00	**125.00**	0.00	44.05	181.00	0.00	**225.05**	0.00	7.10	25.00	0.00	**32.10**

Annexure Table No. 13.3: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓

Serial No./ Crop Code	Commodity Items	Alappuzha					Kottayam					Idukki				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
111	Pomfret	1.00	0.80	1.30	0.00	**3.10**	0.00	3.00	83.50	0.00	**86.50**	0.00	0.04	1.00	0.00	**1.04**
112	Prawn	81.50	127.00	3.50	0.00	**212.00**	0.00	11.75	53.50	0.00	**65.25**	0.00	7.06	0.00	0.00	**7.06**
113	Fish items	95.61	157.00	19.00	0.00	**271.61**	40.00	5.00	567.00	0.00	**612.00**	0.00	17.90	0.00	0.00	**17.90**
114	Milk (1000 Litre)	0.00	0.00	0.00	0.00	**0.00**	125.00	170.00	113.00	0.00	**408.00**	167.00	0.00	0.00	0.00	**167.00**
115	Curd (1000 Litre)	0.00	0.00	0.00	0.00	**0.00**	0.00	21.50	2.00	0.00	**23.50**	54.75	0.00	0.00	0.00	**54.75**
116	Other dairy products (1000 Litre)	0.00	0.00	0.00	0.00	**0.00**	0.00	24.00	0.00	0.00	**24.00**	0.00	0.00	0.00	0.00	**0.00**
117	Cashew nut	0.00	0.00	1.25	0.00	**1.25**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.80	0.00	0.00	**0.80**
118	Rubber	0.00	0.00	0.00	0.00	**0.00**	684.00	0.00	0.00	0.00	**684.00**	4.00	0.00	0.00	0.00	**4.00**
119	Other plantation crops	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	3.00	0.00	0.00	0.00	**3.00**
120	Tobacco	0.00	0.00	2.60	0.00	**2.60**	0.00	0.00	57.00	0.00	**57.00**	0.00	0.00	1.50	0.00	**1.50**
121	Betel Leaves (1000 Nos.)	15.00	160.02	240.00	0.00	**415.02**	2.10	10.00	0.00	0.00	**12.10**	0.00	0.50	0.50	0.00	**1.00**
122	Arecanut (Ripe)	0.11	1.00	15.20	0.00	**16.31**	1.00	10.00	25.00	0.00	**36.00**	0.50	0.00	1.00	0.00	**1.50**
123	Dried arecanut/ Dried betel nut	0.16	0.00	0.00	0.00	**0.16**	0.50	0.00	0.00	0.00	**0.50**	2.00	0.00	0.00	0.00	**2.00**
124	Other Stimulants	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
125	Coir	0.00	0.10	0.00	0.00	**0.10**	0.00	0.60	2.00	0.00	**2.60**	0.00	11.00	6.00	0.00	**17.00**
126	Other coir products	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	1.00	0.00	**1.00**	0.00	0.00	0.00	0.00	**0.00**
127	Tamarind seed powder	0.00	0.25	34.66	0.00	**34.91**	0.00	4.50	6.00	0.00	**10.50**	0.00	0.00	15.00	0.00	**15.00**
128	Lemongrass oil	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
129	Others	900.00	0.00	54.00	0.00	**954.00**	0.20	0.10	0.00	0.00	**0.30**	0.00	0.00	0.00	0.00	**0.00**
	TOTAL*	**3014.66**	**842.47**	**10951.23**	**3.00**	**14811.36**	**1946.09**	**2127.80**	**27332.41**	**3.51**	**31409.81**	**32817.42**	**3873.16**	**2624.61**	**0.00**	**39315.19**

* *Excluding the quantities of crops with codes nos. 31, 105, 106, 107, 114, 115, 116, and 121*

Annexure Table No. 13.4: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓																
Serial No./Crop Code	Commodity Items	Ernakulam					Thrissur					Palakkad				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
1	Rice	354.95	5521.00	12346.00	0.00	**18221.95**	20.00	993.00	13357.50	0.00	**14370.50**	500.00	0.00	1700.00	0.00	**2200.00**
2	White Raw rice	0.00	0.00	2846.00	0.00	**2846.00**	0.00	35.00	787.15	0.00	**822.15**	250.00	0.00	1260.00	0.00	**1510.00**
3	Ragi	0.00	0.00	34.00	0.00	**34.00**	0.00	0.00	58.65	0.00	**58.65**	50.00	0.00	500.00	0.00	**550.00**
4	Paddy	20.00	1000.00	3010.00	0.00	**4030.00**	0.00	0.00	0.00	0.00	**0.00**	20.00	20.00	170.00	0.00	**210.00**
5	Wheat	0.00	0.00	670.50	0.00	**670.50**	0.00	0.00	66.70	0.00	**66.70**	0.00	0.00	120.00	0.00	**120.00**
6	Maize/Corn	0.00	0.00	50.00	0.00	**50.00**	0.00	0.00	1.08	0.00	**1.08**	0.00	0.00	5.00	0.00	**5.00**
7	Other millets/Other grains/Other cereals	0.00	0.00	40.00	0.00	**40.00**	0.00	0.00	200.00	0.00	**200.00**	0.00	0.00	0.00	0.00	**0.00**
8	Bengal gram (Black)	0.00	0.00	659.30	0.00	**659.30**	0.00	0.00	126.30	0.00	**126.30**	0.00	0.00	351.00	0.00	**351.00**
9	Bengal gram (white)	0.00	0.00	218.00	0.00	**218.00**	0.00	0.00	12.58	0.00	**12.58**	0.00	0.00	501.00	0.00	**501.00**
10	Tur dhal	0.00	0.00	1037.60	0.00	**1037.60**	0.00	0.00	90.90	0.00	**90.90**	0.00	0.00	53.00	0.00	**53.00**
11	Tur dhal(FATKA)	0.00	0.00	105.00	0.00	**105.00**	0.00	0.00	80.84	0.00	**80.84**	0.00	0.00	50.00	0.00	**50.00**
12	Red Gram (Split)	0.00	0.00	295.00	0.00	**295.00**	0.00	0.00	7.00	0.00	**7.00**	0.00	0.00	55.00	0.00	**55.00**
13	Split peageon peas	0.00	0.00	509.00	0.00	**509.00**	0.00	0.00	44.15	0.00	**44.15**	0.00	0.00	35.00	0.00	**35.00**
14	Green gram/Moong Dal	0.00	0.00	382.50	0.00	**382.50**	0.00	0.00	73.95	0.00	**73.95**	0.00	0.00	504.00	0.00	**504.00**
15	Blackgram split	0.00	0.00	387.00	0.00	**387.00**	0.00	0.00	58.31	0.00	**58.31**	0.00	0.00	154.00	0.00	**154.00**
16	Black gram with husk (Split)	0.00	0.00	96.00	0.00	**96.00**	0.00	0.00	58.90	0.00	**58.90**	0.00	0.00	150.00	0.00	**150.00**
17	Black gram with husk	0.00	0.00	8.00	0.00	**8.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	122.00	0.00	**122.00**
18	Other pulses	0.20	0.00	258.00	0.00	**258.20**	0.00	3.00	129.50	0.00	**132.50**	0.00	0.00	150.00	0.00	**150.00**
19	Sugar	0.00	30.00	2900.50	0.00	**2930.50**	0.00	0.00	2157.20	0.00	**2157.20**	0.00	0.00	10160.00	0.00	**10160.00**
20	Jaggery	0.00	103.00	380.00	0.00	**483.00**	0.00	0.00	451.00	0.00	**451.00**	0.00	0.00	3530.00	0.00	**3530.00**
21	Jaggery(Achuvellam)	0.00	0.00	15.10	0.00	**15.10**	0.00	0.00	80.00	0.00	**80.00**	0.00	0.00	350.00	0.00	**350.00**
22	Palm jaggery/ Plamgur	0.00	0.20	11.20	0.00	**11.40**	0.00	0.00	0.30	0.00	**0.30**	0.00	0.00	300.00	0.00	**300.00**

Annexure Table No. 13.4: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓																
Serial No./Crop Code	Commodity Items	Ernakulam					Thrissur					Palakkad				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
23	Cocoa	6.00	0.00	0.00	0.00	**6.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
24	Tea medium	0.00	122.00	210.00	0.00	**332.00**	0.00	4.80	141.20	0.00	**146.00**	0.00	0.00	200.00	0.00	**200.00**
25	Tea special	0.00	43.20	46.80	0.00	**90.00**	0.00	0.00	15.00	0.00	**15.00**	0.00	0.00	300.00	0.00	**300.00**
26	Coffee	2.00	8.80	38.50	0.00	**49.30**	0.00	2.00	54.51	0.00	**56.51**	0.00	0.00	150.00	0.00	**150.00**
27	Other food items	0.58	0.10	95.00	0.00	**95.68**	0.00	0.00	50.00	0.00	**50.00**	0.00	0.00	0.00	0.00	**0.00**
28	Sesamum	1.00	2.00	19.33	0.00	**22.33**	0.00	0.00	2.01	0.00	**2.01**	0.00	0.00	50.00	0.00	**50.00**
29	Ground nut	0.00	0.00	440.90	0.00	**440.90**	0.00	0.00	23.66	0.00	**23.66**	1.00	0.00	72.00	0.00	**73.00**
30	Coconut without husk	180.38	343.00	636.50	0.00	**1159.88**	6496.72	51.00	2560.00	0.00	**9107.72**	1034.95	0.00	1825.00	0.00	**2859.95**
31	Coconut with husk (1000 Nos.)	516.00	7.00	0.00	0.00	**523.00**	0.00	0.00	0.00	0.00	**0.00**	0.85	0.00	0.00	0.00	**0.85**
32	Copra	50.20	45.00	272.00	0.00	**367.20**	284.10	10.60	610.00	0.00	**904.70**	50.00	0.00	500.00	0.00	**550.00**
33	Coconut oil cake	62.00	25.00	62.50	0.00	**149.50**	822.50	10.00	60.00	0.00	**892.50**	250.00	0.00	300.00	0.00	**550.00**
34	Coconut oil	222.30	137.70	854.00	60.00	**1274.00**	1136.25	2.80	577.90	0.00	**1716.95**	1205.00	0.00	2005.00	0.00	**3210.00**
35	Sesame oil	1.00	9.00	241.30	0.00	**251.30**	11.50	22.20	17.90	0.00	**51.60**	0.00	0.00	3002.00	0.00	**3002.00**
36	Other cash crops	0.00	0.00	435.00	0.00	**435.00**	0.00	0.00	2.90	0.00	**2.90**	0.00	0.00	0.00	0.00	**0.00**
37	Potatos	0.00	0.00	1352.87	0.00	**1352.87**	0.00	0.00	1579.00	0.00	**1579.00**	0.00	0.00	823.60	0.00	**823.60**
38	Topioca/ Cassava/ Kappa	338.51	163.03	112.00	0.00	**613.54**	864.38	716.00	1.00	0.00	**1581.38**	165.16	0.00	0.00	0.00	**165.16**
39	Tapioca Dry (Boiled)	1.00	1.70	0.50	0.00	**3.20**	0.00	0.35	0.00	0.00	**0.35**	0.00	0.00	0.00	0.00	**0.00**
40	Dried tapioca/ Dried cassava	4.13	2.40	0.60	0.00	**7.13**	0.00	0.08	0.00	0.00	**0.08**	0.00	0.00	0.00	0.00	**0.00**
41	Sweet potato	2.99	23.90	46.40	0.00	**73.29**	0.03	0.01	80.73	0.00	**80.77**	255.23	0.00	250.00	0.00	**505.23**
42	Purple yam/Kachil	20.49	18.67	5.30	0.00	**44.46**	2.49	2.11	0.01	0.00	**4.61**	600.28	0.00	0.00	0.00	**600.28**
43	Elephant yam	103.21	34.80	93.50	0.00	**231.51**	36.39	62.25	90.25	0.00	**188.89**	1244.49	0.00	122.00	0.00	**1366.49**
44	Colocasia	36.88	23.60	38.40	0.00	**98.88**	29.73	44.50	0.10	0.00	**74.33**	305.71	0.00	120.00	0.00	**425.71**

Annexure Table No. 13.4: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓																
Serial No./Crop Code	Commodity Items	Ernakulam					Thrissur					Palakkad				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
45	Other tuber crops	11.31	7.10	34.90	0.00	**53.31**	9.31	4.30	0.50	0.00	**14.11**	943.64	0.00	120.00	0.00	**1063.64**
46	Carrot	0.00	19.90	342.92	0.00	**362.82**	0.00	0.00	870.25	0.00	**870.25**	0.00	0.00	380.00	0.00	**380.00**
47	Radish	0.00	6.00	22.35	0.00	**28.35**	0.00	0.00	12.01	0.00	**12.01**	0.00	0.00	350.00	0.00	**350.00**
48	Beetroot	6.00	3.00	230.31	0.00	**239.31**	0.00	0.00	745.01	0.00	**745.01**	0.00	0.00	500.00	0.00	**500.00**
49	Sweet radish	0.10	0.00	0.00	0.00	**0.10**	0.00	0.00	2.10	0.00	**2.10**	0.00	0.00	0.00	0.00	**0.00**
50	Tomato	0.68	5.10	697.90	0.00	**703.68**	0.75	20.00	1468.15	0.00	**1488.90**	231.25	0.00	930.00	0.00	**1161.25**
51	Spinach	54.75	31.70	21.53	0.00	**107.98**	8.29	25.00	33.15	0.00	**66.44**	76.13	2.00	154.00	2.00	**234.13**
52	Indian bean/Broad bean/ Cluster beans	0.71	1.00	50.83	0.00	**52.54**	0.31	0.00	346.77	0.00	**347.08**	68.14	0.00	312.00	0.00	**380.14**
53	Cabbage	18.01	7.20	208.68	0.00	**233.89**	0.20	0.00	868.65	0.00	**868.85**	0.01	0.00	500.00	0.00	**500.01**
54	Leafy vegetables	0.00	0.50	13.91	0.00	**14.41**	0.85	0.00	11.34	0.00	**12.19**	0.01	0.00	351.00	0.00	**351.01**
55	Brinjal Green Long	8.26	8.60	169.35	0.00	**186.21**	2.01	0.00	124.05	0.00	**126.06**	110.31	2.00	508.00	2.00	**622.31**
56	Green long yard bean	117.30	35.30	400.28	0.00	**552.88**	84.39	36.00	1254.30	0.00	**1374.69**	274.48	2.00	413.00	2.00	**691.48**
57	Lady Finger/Okra	8.86	6.00	339.74	0.00	**354.60**	6.47	57.00	689.00	0.00	**752.47**	279.23	2.00	481.00	2.00	**764.23**
58	Cauliflower	0.10	2.20	153.95	0.00	**156.25**	0.15	10.00	111.80	0.00	**121.95**	0.01	0.00	490.00	0.00	**490.01**
59	Cucumber	27.23	17.50	89.19	0.00	**133.92**	31.68	15.00	475.85	0.00	**522.53**	275.27	2.00	522.00	2.00	**801.27**
60	Bottle gourd	13.73	16.10	48.19	0.00	**78.02**	5.20	20.00	76.90	0.00	**102.10**	118.14	2.00	557.00	2.00	**679.14**
61	Pumpkin	96.05	12.00	279.98	0.00	**388.03**	30.95	20.00	1221.00	0.00	**1271.95**	384.81	2.00	602.00	2.00	**990.81**
62	Bitter Gourd	28.51	12.90	178.95	0.00	**220.36**	98.68	10.00	642.95	0.00	**751.63**	458.81	2.00	590.00	2.00	**1052.81**
63	Ash gourd	53.91	14.10	264.88	0.00	**332.89**	1225.01	57.00	1232.90	0.00	**2514.91**	412.97	2.00	1392.00	2.00	**1808.97**
64	Beans	20.10	0.20	199.38	0.00	**219.68**	0.00	0.00	957.80	0.00	**957.80**	0.00	0.00	500.00	0.00	**500.00**
65	Drumstick	0.65	12.10	82.85	0.00	**95.60**	0.91	11.00	134.05	0.00	**145.96**	300.26	0.00	500.00	0.00	**800.26**
66	Green chilli	2.03	0.50	423.98	0.00	**426.51**	3.07	5.00	123.62	0.00	**131.69**	106.96	2.00	387.00	2.00	**497.96**

Annexure Table No. 13.4: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓

Serial No./Crop Code	Commodity Items	Ernakulam					Thrissur					Palakkad				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
67	Ridge gourd	4.55	2.50	46.39	0.00	**53.44**	0.67	4.50	13.51	0.00	**18.68**	216.50	2.00	252.00	2.00	**472.50**
68	Snake gourd	123.06	14.50	143.65	0.00	**281.21**	39.57	30.00	244.05	0.00	**313.62**	419.74	2.00	425.00	2.00	**848.74**
69	Ivy gourd/Coccinia grandis	13.85	8.20	101.09	0.00	**123.14**	8.68	11.00	85.20	0.00	**104.88**	180.30	2.00	336.00	2.00	**520.30**
70	Other vegetables	11.86	11.80	39.96	0.00	**63.62**	5.03	2.00	55.20	0.00	**62.23**	0.00	0.00	24.00	0.00	**24.00**
71	Small onion/Shallot	0.00	0.00	498.07	0.00	**498.07**	0.00	0.00	1548.75	0.00	**1548.75**	0.00	0.00	815.00	0.00	**815.00**
72	Big Onion/Savala	0.00	0.00	1811.70	0.00	**1811.70**	0.00	0.00	1725.70	0.00	**1725.70**	0.00	0.00	1127.00	0.00	**1127.00**
73	Other vegetables I	4.92	5.50	82.15	0.00	**92.57**	4.68	0.00	6.00	0.00	**10.68**	1.76	0.00	18.00	0.00	**19.76**
74	Other vegetables II	0.00	10.00	43.00	0.00	**53.00**	0.18	0.00	0.00	0.00	**0.18**	0.00	0.00	0.00	0.00	**0.00**
75	Other vegetables III	1.80	0.00	12.00	0.00	**13.80**	0.04	0.00	0.00	0.00	**0.04**	0.00	0.00	19.00	0.00	**19.00**
76	Nendran Banana (Nadan)	924.30	325.26	32.00	0.00	**1281.56**	825.64	90.00	20.15	0.00	**935.79**	251.30	0.00	44.00	0.00	**295.30**
77	Nendran Banana (Pandy)	5.50	401.70	2714.50	0.00	**3121.70**	0.00	0.00	1380.00	0.00	**1380.00**	0.00	0.00	500.00	0.00	**500.00**
78	Nendran Banana (Nadan-Wayanadan)	30.00	335.00	4.00	0.00	**369.00**	0.00	551.00	0.00	0.00	**551.00**	0.00	20.00	30.00	0.00	**50.00**
79	Pineapple	1091.40	114.63	25.00	0.00	**1231.03**	6.08	97.30	1.60	0.00	**104.98**	5.04	10.00	27.00	0.00	**42.04**
80	Pineapple (pandy)	26.40	1.00	0.00	0.00	**27.40**	0.00	0.00	185.00	0.00	**185.00**	0.00	0.00	500.00	0.00	**500.00**
81	Raw mango	41.73	40.80	282.22	0.00	**364.75**	124.01	46.00	34.40	0.00	**204.41**	304.88	200.00	4.00	0.00	**508.88**
82	Mango (Ripe)	50.90	157.00	824.00	1.00	**1032.90**	8.30	47.00	56.80	0.00	**112.10**	24.76	0.00	552.00	0.00	**576.76**
83	Apple	0.00	0.00	715.07	31.50	**746.57**	0.00	0.00	65.00	18.00	**83.00**	0.00	0.00	755.00	0.00	**755.00**
84	Orange	0.00	1.00	1105.09	283.00	**1389.09**	0.20	2.20	86.50	7.00	**95.90**	0.00	0.00	805.00	0.00	**805.00**
85	Ripe Plantain	655.13	313.00	1385.80	0.00	**2353.93**	421.36	23.00	1259.00	30.00	**1733.36**	267.61	0.00	570.00	0.00	**837.61**
86	Other fruits I	25.90	126.70	2475.50	202.70	**2830.80**	9.30	3.00	339.95	0.00	**352.25**	0.93	0.00	808.00	0.00	**808.93**
87	Other fruits II	0.53	0.00	90.00	0.00	**90.53**	6.74	0.00	158.00	0.00	**164.74**	0.00	0.00	0.00	0.00	**0.00**
88	Other fruits III	0.85	0.00	920.00	0.00	**920.85**	0.42	0.00	12.00	0.00	**12.42**	0.00	0.00	0.00	0.00	**0.00**

Annexure Table No. 13.4: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓																
Serial No./Crop Code	Commodity Items	Ernakulam					Thrissur					Palakkad				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
89	Black pepper	70.00	55.50	2.15	0.00	**127.65**	12.45	0.20	0.06	0.00	**12.71**	12.00	17.00	0.00	0.00	**29.00**
90	Cardamom	0.20	13.60	0.03	0.00	**13.83**	0.00	0.40	0.00	0.00	**0.40**	1.00	11.00	15.00	0.00	**27.00**
91	Turmeric	25.32	12.50	2.70	0.00	**40.52**	16.82	1.10	2.35	0.00	**20.27**	11.58	12.00	20.00	0.00	**43.58**
92	Ginger	43.35	87.00	132.10	0.00	**262.45**	10.90	2.20	6.38	0.00	**19.48**	15.33	17.00	20.00	0.00	**52.33**
93	Dried ginger	7.75	8.60	4.12	0.00	**20.47**	0.10	0.40	1.30	0.00	**1.80**	4.00	16.00	0.00	0.00	**20.00**
94	Nutmeg seed with husk	34.80	0.00	0.10	0.00	**34.90**	9.90	0.70	0.00	0.00	**10.60**	2.00	10.00	0.00	0.00	**12.00**
95	Nutmeg seed	73.00	0.60	0.50	0.00	**74.10**	51.25	0.70	0.00	0.00	**51.95**	2.00	3.00	0.00	0.00	**5.00**
96	Chili	0.00	0.00	384.30	0.00	**384.30**	0.00	0.00	119.30	0.00	**119.30**	0.00	20.00	40.00	0.00	**60.00**
97	Coriander	0.00	0.00	169.60	0.00	**169.60**	0.00	0.00	81.25	0.00	**81.25**	0.00	20.00	40.00	0.00	**60.00**
98	Cumin	0.00	0.00	20.80	0.00	**20.80**	0.00	0.00	6.42	0.00	**6.42**	2.00	0.00	1.00	0.00	**3.00**
99	Fennel Seeds	0.00	0.00	14.30	0.00	**14.30**	0.00	0.00	2.64	0.00	**2.64**	0.00	0.00	2.00	0.00	**2.00**
100	Mustard	0.00	0.00	42.90	0.00	**42.90**	0.00	0.00	24.91	0.00	**24.91**	0.00	0.00	3.00	0.00	**3.00**
101	Fenugreek	0.00	0.00	20.30	0.00	**20.30**	0.00	0.00	13.16	0.00	**13.16**	0.00	0.00	3.00	0.00	**3.00**
102	Garlic	0.00	0.10	243.90	0.00	**244.00**	0.00	0.00	567.08	0.00	**567.08**	0.00	3.00	10.00	0.00	**13.00**
103	Tamarind	8.14	12.40	31.70	0.00	**52.24**	0.73	0.35	83.50	0.00	**84.58**	12.84	10.00	18.00	0.00	**40.84**
104	Other spices	11.80	0.00	137.90	0.20	**149.90**	0.05	2.02	11.20	0.00	**13.27**	0.00	0.00	8.00	0.00	**8.00**
105	Egg (Hen) White Lagoon (1000 Nos.)	200.00	4005.00	50032.50	0.00	**54237.50**	4.00	6.00	10569.55	0.00	**10579.55**	42.00	0.00	56004.80	0.00	**56046.80**
106	Country egg (Hen) (1000 Nos.)	167.63	2970.50	802.60	0.00	**3940.73**	819.47	6.00	0.00	0.00	**825.47**	501.20	0.00	0.00	0.00	**501.20**
107	Egg (Duck) (1000 Nos.)	615.28	241.10	1001.50	0.00	**1857.88**	51.35	2104.00	6004.00	0.00	**8159.35**	20.00	0.00	6000.70	0.00	**6020.70**
108	Meat	53.20	66.20	474.60	0.00	**594.00**	46.00	68.00	205.00	0.00	**319.00**	15.00	0.00	650.00	0.00	**665.00**
109	Mackerel	42.00	101.00	100.00	0.00	**243.00**	45.00	23.50	6.20	0.00	**74.70**	0.00	80.00	10.00	0.00	**90.00**
110	Sardine	49.00	100.00	112.00	0.00	**261.00**	30.00	15.20	9.10	0.00	**54.30**	0.00	120.00	15.00	0.00	**135.00**

Annexure Table No. 13.4: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓																
Serial No./Crop Code	Commodity Items	Ernakulam					Thrissur					Palakkad				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
111	Pomfret	8.00	26.00	33.00	0.00	**67.00**	25.00	1.00	1.45	0.00	**27.45**	0.00	40.00	5.00	0.00	**45.00**
112	Prawn	7.00	18.00	1.08	0.00	**26.08**	32.10	14.20	3.30	0.00	**49.60**	0.00	50.00	7.00	0.00	**57.00**
113	Fish items	27.00	52.00	57.00	0.00	**136.00**	46.65	19.00	95.20	0.00	**160.85**	0.00	200.00	30.00	0.00	**230.00**
114	Milk (1000 Litre)	110.05	30.00	230.00	0.00	**370.05**	0.00	2.60	0.00	0.00	**2.60**	0.00	0.00	0.00	0.00	**0.00**
115	Curd (1000 Litre)	28.00	6.00	104.75	0.00	**138.75**	0.00	1.10	0.00	0.00	**1.10**	0.00	0.00	0.00	0.00	**0.00**
116	Other dairy products (1000 Litre)	0.03	0.00	3.00	0.00	**3.03**	1.00	0.30	2.30	0.00	**3.60**	0.00	0.00	0.00	0.00	**0.00**
117	Cashew nut	19.50	75.50	36.00	0.00	**131.00**	127.55	0.00	0.00	0.00	**127.55**	0.00	0.00	0.00	0.00	**0.00**
118	Rubber	1045.00	5.00	0.00	0.00	**1050.00**	2.00	21.00	0.00	0.00	**23.00**	0.00	0.00	0.00	0.00	**0.00**
119	Other plantation crops	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
120	Tobacco	0.00	1.48	21.00	0.00	**22.48**	0.00	0.34	1.35	0.00	**1.69**	0.00	0.00	27.00	0.00	**27.00**
121	Betel Leaves (1000 Nos.)	1.01	222.82	400.05	0.00	**623.88**	240.00	132.00	80.30	0.00	**452.30**	0.00	0.00	7.00	0.00	**7.00**
122	Arecanut (Ripe)	14.16	7.50	33.30	0.00	**54.96**	10.70	0.60	0.00	0.00	**11.30**	1.15	0.00	3.00	0.00	**4.15**
123	Dried arecanut/ Dried betel nut	6.25	1.00	1.00	0.00	**8.25**	226.50	500.00	1100.00	0.00	**1826.50**	4.00	2.00	0.00	0.00	**6.00**
124	Other Stimulants	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
125	Coir	0.00	5.43	5.50	0.00	**10.93**	0.30	21.20	0.00	0.00	**21.50**	0.00	0.00	5.00	0.00	**5.00**
126	Other coir products	0.00	0.10	0.00	0.00	**0.10**	0.00	5.00	0.00	0.00	**5.00**	0.00	0.00	0.00	0.00	**0.00**
127	Tamarind seed powder	1.00	3.00	33.10	0.00	**37.10**	0.00	0.00	2.50	0.00	**2.50**	0.00	0.00	0.00	0.00	**0.00**
128	Lemongrass oil	0.00	0.20	6.00	0.00	**6.20**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
129	Others	0.00	0.00	9.70	0.00	**9.70**	0.01	0.00	0.00	0.00	**0.01**	0.00	0.00	0.00	0.00	**0.00**
TOTAL*		**6435.25**	**10398.40**	**50996.02**	**578.40**	**68408.07**	**13367.21**	**3854.11**	**44730.78**	**55.00**	**62007.10**	**11727.92**	**907.00**	**49021.60**	**26.00**	**61682.52**

* *Excluding the quantities of crops with codes nos. 31, 105, 106, 107, 114, 115, 116, and 121*

Annexure Table No. 13.5: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓

Serial No./ Crop Code	Commodity group	Malappuram					Kozhikode					Wayanad				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
1	Rice	0.00	167.00	2304.00	0.00	**2471.00**	0.00	290.00	12350.00	0.00	**12640.00**	0.00	0.00	30.00	0.00	**30.00**
2	White Raw rice	0.00	0.00	547.00	0.00	**547.00**	0.00	0.00	2500.00	0.00	**2500.00**	0.00	0.00	0.00	0.00	**0.00**
3	Ragi	0.00	0.00	29.75	0.00	**29.75**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
4	Paddy	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	200.00	0.00	**200.00**	267.30	0.00	0.00	0.00	**267.30**
5	Wheat	0.00	0.00	61.30	0.00	**61.30**	0.00	0.00	1300.00	0.00	**1300.00**	0.00	0.00	5.00	0.00	**5.00**
6	Maize/Corn	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.01	0.00	0.00	0.00	**0.01**
7	Other millets/Other grains/Other cereals	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
8	Bengal gram (Black)	0.00	0.00	36.50	0.00	**36.50**	0.00	0.00	450.00	0.00	**450.00**	0.00	0.00	0.00	0.00	**0.00**
9	Bengal gram (white)	0.00	0.00	15.90	0.00	**15.90**	0.00	0.00	400.00	0.00	**400.00**	0.00	0.00	0.50	0.00	**0.50**
10	Tur dhal	0.00	0.00	34.40	0.50	**34.90**	0.00	0.00	400.00	0.00	**400.00**	0.00	0.00	0.00	0.00	**0.00**
11	Tur dhal(FATKA)	0.00	0.00	0.20	0.00	**0.20**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
12	Red Gram (Split)	0.00	0.00	6.30	0.00	**6.30**	0.00	0.00	0.00	145.00	**145.00**	0.00	0.00	0.00	0.00	**0.00**
13	Split peageon peas	0.00	0.00	0.30	0.00	**0.30**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.50	0.00	**0.50**
14	Green gram/Moong Dal	0.00	0.00	28.80	0.00	**28.80**	0.00	0.00	600.00	0.00	**600.00**	0.00	0.00	0.50	0.00	**0.50**
15	Blackgram split	0.00	0.00	17.10	0.00	**17.10**	0.00	0.00	400.00	0.00	**400.00**	0.00	0.00	0.25	0.00	**0.25**
16	Black gram with husk (Split)	0.00	0.00	6.00	0.00	**6.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
17	Black gram with husk	0.00	0.00	3.00	0.00	**3.00**	0.00	0.00	400.00	0.00	**400.00**	0.00	0.00	0.00	0.00	**0.00**
18	Other pulses	0.00	0.00	18.30	0.00	**18.30**	0.00	0.00	400.00	0.00	**400.00**	0.00	0.00	0.00	0.00	**0.00**
19	Sugar	0.00	0.00	714.50	0.00	**714.50**	0.00	0.00	2900.00	0.00	**2900.00**	0.00	0.00	1.00	0.00	**1.00**
20	Jaggery	0.00	0.40	106.00	0.00	**106.40**	0.00	0.00	300.00	0.00	**300.00**	0.00	0.00	0.25	0.00	**0.25**
21	Jaggery(Achuvellam)	0.00	0.00	108.30	0.00	**108.30**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
22	Palm jaggery/ Plamgur	0.00	0.00	0.80	0.00	**0.80**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**

Annexure Table No. 13.5: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources

(Qty: In tons.) ↓

Serial No./ Crop Code	Commodity group	Malappuram					Kozhikode					Wayanad				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
23	Cocoa	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	2.16	0.00	0.00	0.00	**2.16**
24	Tea medium	0.00	3.00	3.50	0.00	**6.50**	0.00	100.00	400.00	0.00	**500.00**	200.00	0.00	0.00	0.00	**200.00**
25	Tea special	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
26	Coffee	0.00	0.00	0.92	0.00	**0.92**	0.00	50.00	200.00	0.00	**250.00**	1175.20	0.00	6.00	0.00	**1181.20**
27	Other food items	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	30.00	0.00	**30.00**	0.00	0.00	0.00	0.00	**0.00**
28	Sesamum	0.55	0.10	4.60	0.00	**5.25**	0.00	0.00	60.00	0.00	**60.00**	0.00	0.00	0.00	0.00	**0.00**
29	Ground nut	0.00	0.00	5.29	0.00	**5.29**	0.00	0.00	200.00	0.00	**200.00**	0.00	0.00	0.00	0.00	**0.00**
30	Coconut without husk	151.00	1.00	0.00	0.00	**152.00**	776.00	80.00	0.00	0.00	**856.00**	5.60	5.50	2.00	0.00	**13.10**
31	Coconut with husk (1000 Nos.)	0.00	0.00	0.00	0.00	**0.00**	632.00	0.00	0.00	0.00	**632.00**	0.00	0.00	0.00	0.00	**0.00**
32	Copra	74.00	0.00	0.00	0.00	**74.00**	1375.42	145.25	270.00	0.00	**1790.67**	15.00	30.00	0.00	0.00	**45.00**
33	Coconut oil cake	16.00	1.00	0.00	0.00	**17.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
34	Coconut oil	51.00	27.50	22.50	0.00	**101.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	1.00	0.00	0.00	**1.00**
35	Sesame oil	8.00	4.03	18.40	0.00	**30.43**	0.00	0.00	200.00	0.00	**200.00**	0.00	0.00	0.25	0.00	**0.25**
36	Other cash crops	0.00	0.00	2.00	0.00	**2.00**	0.00	0.00	0.00	0.00	**0.00**	0.50	0.00	0.00	0.00	**0.50**
37	Potatos	0.00	0.00	566.10	0.00	**566.10**	0.00	0.00	2450.00	0.00	**2450.00**	0.00	0.00	0.40	0.00	**0.40**
38	Topioca/ Cassava/ Kappa	43.00	2.00	0.00	0.00	**45.00**	15.80	35.00	140.00	0.00	**190.80**	98.70	3.80	10.00	0.00	**112.50**
39	Tapioca Dry (Boiled)	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.51	0.00	0.00	**0.51**
40	Dried tapioca/ Dried cassava	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	100.00	0.00	**100.00**	0.00	0.00	0.00	0.00	**0.00**
41	Sweet potato	5.90	2.00	0.00	0.00	**7.90**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
42	Purple yam/Kachil	12.40	2.00	0.50	0.00	**14.90**	0.43	0.00	0.00	0.00	**0.43**	8.60	0.10	3.50	0.00	**12.20**
43	Elephant yam	15.08	2.00	7.30	0.00	**24.38**	36.40	3.00	610.00	0.00	**649.40**	56.18	0.20	7.00	0.00	**63.38**
44	Colocasia	15.77	2.00	3.30	1.00	**22.07**	0.05	0.00	50.00	0.00	**50.05**	16.11	0.10	10.50	0.00	**26.71**

Annexure Table No. 13.5: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓																
Serial No./ Crop Code	Commodity group	Malappuram					Kozhikode					Wayanad				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
45	Other tuber crops	26.30	0.00	0.00	0.00	**26.30**	0.08	0.00	0.00	0.00	**0.08**	0.60	0.00	0.00	0.00	**0.60**
46	Carrot	0.00	0.00	161.30	0.00	**161.30**	0.00	0.00	450.00	0.00	**450.00**	0.00	0.00	0.90	0.00	**0.90**
47	Radish	0.00	0.00	17.25	0.00	**17.25**	0.00	0.00	1.00	0.00	**1.00**	0.00	0.00	0.25	0.00	**0.25**
48	Beetroot	0.00	0.00	118.50	0.00	**118.50**	0.00	0.00	460.00	0.00	**460.00**	0.00	0.00	1.40	0.00	**1.40**
49	Sweet radish	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
50	Tomato	0.00	0.00	234.60	0.00	**234.60**	0.03	0.00	980.00	0.00	**980.03**	0.32	1.50	2.00	0.00	**3.82**
51	Spinach	31.61	3.00	17.60	0.00	**52.21**	3.57	2.00	2.00	0.00	**7.57**	3.26	0.00	5.00	0.00	**8.26**
52	Indian bean/Broad bean/ Cluster beans	0.00	1.00	56.96	0.00	**57.96**	0.00	0.00	3.00	0.00	**3.00**	0.00	0.00	0.01	0.00	**0.01**
53	Cabbage	0.00	2.00	218.50	0.00	**220.50**	0.00	0.00	25.00	0.00	**25.00**	1.44	0.00	4.90	0.00	**6.34**
54	Leafy vegetables	0.00	1.00	13.50	0.00	**14.50**	0.50	0.00	2.00	0.00	**2.50**	0.00	0.00	0.00	0.00	**0.00**
55	Brinjal Green Long	0.05	2.00	92.20	0.00	**94.25**	0.56	0.00	150.00	0.00	**150.56**	0.25	0.00	3.60	0.00	**3.85**
56	Green long yard bean	24.39	4.00	114.20	0.00	**142.59**	38.50	30.00	200.00	530.00	**798.50**	69.65	0.25	7.92	0.00	**77.82**
57	Lady Finger/Okra	6.76	3.00	218.20	0.00	**227.96**	8.37	0.00	550.00	0.00	**558.37**	0.00	0.00	0.10	0.00	**0.10**
58	Cauliflower	0.00	0.00	35.10	0.00	**35.10**	0.00	0.00	5.00	0.00	**5.00**	0.00	0.00	0.01	0.00	**0.01**
59	Cucumber	68.00	3.00	74.80	0.00	**145.80**	84.13	0.00	100.00	580.00	**764.13**	0.62	0.10	5.40	0.00	**6.12**
60	Bottle gourd	24.84	5.00	31.50	0.00	**61.34**	6.95	0.00	170.00	0.00	**176.95**	0.00	0.00	0.01	0.00	**0.01**
61	Pumpkin	21.52	2.50	173.80	0.00	**197.82**	46.95	0.00	850.00	0.00	**896.95**	10.82	0.00	18.30	0.00	**29.12**
62	Bitter Gourd	12.68	3.00	95.20	0.00	**110.88**	6.09	0.00	520.00	0.00	**526.09**	48.47	0.10	4.00	0.00	**52.57**
63	Ash gourd	66.50	2.00	232.00	0.00	**300.50**	38.85	0.00	920.00	0.00	**958.85**	9.86	0.00	18.70	0.00	**28.56**
64	Beans	0.00	1.00	78.10	0.00	**79.10**	0.00	0.00	15.00	0.00	**15.00**	1.64	0.00	3.30	0.00	**4.94**
65	Drumstick	1.67	4.00	60.94	0.00	**66.61**	0.00	0.00	5.00	0.00	**5.00**	1.97	0.00	0.50	0.00	**2.47**
66	Green chilli	0.10	0.50	107.00	0.00	**107.60**	0.47	0.00	520.00	0.00	**520.47**	5.49	0.00	3.30	0.00	**8.79**

Annexure Table No. 13.5: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources

(Qty: In tons.) ↓

Serial No./ Crop Code	Commodity group	Malappuram					Kozhikode					Wayanad				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
67	Ridge gourd	0.00	0.00	3.90	0.00	**3.90**	4.62	0.00	101.00	0.00	**105.62**	0.00	0.10	0.00	0.00	**0.10**
68	Snake gourd	14.81	1.50	33.00	0.00	**49.31**	8.60	0.00	115.00	0.00	**123.60**	1.00	0.10	2.00	0.00	**3.10**
69	Ivy gourd/Coccinia grandis	0.43	0.00	18.00	0.00	**18.43**	1.11	0.00	2.00	0.00	**3.11**	1.99	0.50	0.00	0.00	**2.49**
70	Other vegetables	13.08	0.00	0.00	0.00	**13.08**	0.74	0.00	0.00	0.00	**0.74**	0.00	0.00	2.00	0.00	**2.00**
71	Small onion/Shallot	0.00	0.00	448.40	0.00	**448.40**	0.00	0.00	104.00	0.00	**104.00**	0.00	0.00	1.20	0.00	**1.20**
72	Big Onion/Savala	0.00	0.00	897.00	0.00	**897.00**	0.00	0.00	6700.00	0.00	**6700.00**	0.01	0.00	5.50	0.00	**5.51**
73	Other vegetables I	0.00	0.00	0.00	0.00	**0.00**	14.33	0.00	1870.00	0.00	**1884.33**	0.00	0.00	0.00	0.00	**0.00**
74	Other vegetables II	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
75	Other vegetables III	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
76	Nendran Banana (Nadan)	831.81	35.00	0.00	0.00	**866.81**	158.69	90.00	50.00	1.00	**299.69**	413.50	0.00	18.00	0.00	**431.50**
77	Nendran Banana (Pandy)	0.00	0.00	63.30	0.00	**63.30**	0.00	0.00	2250.00	0.00	**2250.00**	0.00	0.00	0.00	0.00	**0.00**
78	Nendran Banana (Nadan-Wayanadan)	60.00	78.30	15.00	0.00	**153.30**	0.00	260.00	0.00	0.00	**260.00**	1397.40	0.00	4.90	0.00	**1402.30**
79	Pineapple	0.00	2.00	53.00	0.00	**55.00**	5.00	50.00	150.00	0.00	**205.00**	0.50	1.50	0.00	0.00	**2.00**
80	Pineapple (pandy)	0.00	0.00	10.00	0.00	**10.00**	0.00	0.00	2.00	0.00	**2.00**	2.00	1.00	2.00	0.00	**5.00**
81	Raw mango	2.00	2.00	9.50	0.00	**13.50**	2.00	3.00	3.00	0.00	**8.00**	0.00	0.00	0.25	0.00	**0.25**
82	Mango (Ripe)	0.00	35.00	115.50	0.00	**150.50**	20.00	35.00	75.00	0.00	**130.00**	0.00	0.00	0.20	0.00	**0.20**
83	Apple	0.00	0.00	20.20	0.00	**20.20**	0.00	0.00	1040.00	25.00	**1065.00**	0.00	0.00	0.50	0.00	**0.50**
84	Orange	0.00	0.00	41.00	0.00	**41.00**	0.00	0.00	1040.00	0.00	**1040.00**	0.00	0.00	0.80	0.00	**0.80**
85	Ripe Plantain	8.69	0.50	226.80	0.00	**235.99**	41.27	10.00	200.00	0.00	**251.27**	68.07	0.00	5.00	0.00	**73.07**
86	Other fruits I	20.00	0.00	210.50	0.00	**230.50**	0.24	3.00	25.00	4.00	**32.24**	0.00	0.00	0.00	0.00	**0.00**
87	Other fruits II	0.00	0.00	34.00	0.00	**34.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
88	Other fruits III	0.00	0.00	13.00	0.00	**13.00**	0.03	0.00	0.00	0.00	**0.03**	0.00	0.00	0.00	0.00	**0.00**

Annexure Table No. 13.5: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓																
Serial No./ Crop Code	Commodity group	Malappuram					Kozhikode					Wayanad				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
89	Black pepper	4.15	2.00	5.65	0.00	**11.80**	210.00	50.00	0.00	0.00	**260.00**	394.00	0.00	1.50	0.00	**395.50**
90	Cardamom	0.00	0.00	0.02	0.00	**0.02**	0.00	0.00	100.00	0.00	**100.00**	7.02	0.20	0.30	0.00	**7.52**
91	Turmeric	11.27	1.00	5.32	0.00	**17.59**	0.75	0.00	270.00	0.00	**270.75**	20.35	2.00	0.00	0.00	**22.35**
92	Ginger	2.26	2.50	7.80	0.00	**12.56**	0.13	0.30	3.00	0.00	**3.43**	136.90	0.00	17.00	0.00	**153.90**
93	Dried ginger	0.22	0.00	0.20	0.00	**0.42**	0.00	0.00	50.00	0.00	**50.00**	6.70	0.00	0.00	0.00	**6.70**
94	Nutmeg seed with husk	0.03	0.00	0.00	0.00	**0.03**	0.00	0.00	0.00	0.00	**0.00**	0.02	0.00	0.00	0.00	**0.02**
95	Nutmeg seed	0.05	0.00	0.00	0.00	**0.05**	0.00	0.00	0.00	0.00	**0.00**	0.62	0.00	0.00	0.00	**0.62**
96	Chili	0.02	1.00	13.70	0.00	**14.72**	0.00	0.00	1450.00	0.00	**1450.00**	0.01	0.00	0.00	0.00	**0.01**
97	Coriander	0.00	0.00	44.79	0.00	**44.79**	0.00	0.00	950.00	0.00	**950.00**	0.00	0.00	0.00	0.00	**0.00**
98	Cumin	0.00	0.00	3.76	0.00	**3.76**	0.00	0.00	200.00	0.00	**200.00**	0.00	0.00	0.00	0.00	**0.00**
99	Fennel Seeds	0.00	0.00	2.26	0.00	**2.26**	0.00	0.00	100.00	0.00	**100.00**	0.00	0.00	0.00	0.00	**0.00**
100	Mustard	0.00	0.00	7.97	0.00	**7.97**	0.00	0.00	200.00	0.00	**200.00**	0.00	0.00	0.00	0.00	**0.00**
101	Fenugreek	0.00	0.00	7.79	0.00	**7.79**	0.00	0.00	200.00	0.00	**200.00**	0.00	0.00	0.00	0.00	**0.00**
102	Garlic	0.00	0.00	88.80	0.00	**88.80**	0.00	0.00	328.00	0.00	**328.00**	0.00	0.00	0.00	0.00	**0.00**
103	Tamarind	1.05	15.00	12.08	0.00	**28.13**	0.00	0.00	160.00	0.00	**160.00**	0.51	0.00	1.00	0.00	**1.51**
104	Other spices	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	200.00	0.00	**200.00**	0.00	0.00	0.00	0.00	**0.00**
105	Egg (Hen) White Lagoon (1000 Nos.)	0.00	4.00	2619.00	0.00	**2623.00**	0.00	0.00	12.00	0.00	**12.00**	0.70	0.00	0.40	0.00	**1.10**
106	Country egg (Hen) (1000 Nos.)	3.00	4.00	300.00	0.00	**304.00**	0.30	0.50	0.00	0.00	**0.80**	0.00	0.00	0.00	0.00	**0.00**
107	Egg (Duck) (1000 Nos.)	1.00	102.00	411.00	0.00	**513.00**	0.00	0.00	2.00	0.00	**2.00**	0.00	0.00	0.00	0.00	**0.00**
108	Meat	2.50	4.00	15.00	0.00	**21.50**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
109	Mackerel	8.00	0.00	2.00	0.00	**10.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
110	Sardine	2.00	0.00	10.00	0.00	**12.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**

Annexure Table No. 13.5: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources																(Qty: In tons.) ↓
Serial No./ Crop Code	Commodity group	Malappuram					Kozhikode					Wayanad				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
111	Pomfret	1.50	0.00	1.00	0.00	**2.50**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
112	Prawn	4.00	0.00	2.00	0.00	**6.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
113	Fish items	0.00	1.00	5.00	0.00	**6.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
114	Milk (1000 Litre)	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
115	Curd (1000 Litre)	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
116	Other dairy products (1000 Litre)	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
117	Cashew nut	27.25	0.00	1.00	0.00	**28.25**	0.00	0.00	0.00	0.00	**0.00**	4.61	0.00	0.00	0.00	**4.61**
118	Rubber	190.00	0.00	0.00	0.00	**190.00**	0.00	0.00	0.00	0.00	**0.00**	24.21	0.00	0.00	0.00	**24.21**
119	Other plantation crops	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	130.00	0.00	0.00	0.00	**130.00**
120	Tobacco	0.00	0.00	1.00	0.00	**1.00**	0.00	0.00	100.00	0.00	**100.00**	0.00	0.00	0.00	0.00	**0.00**
121	Betel Leaves (1000 Nos.)	605.03	0.00	6.00	0.00	**611.03**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
122	Arecanut (Ripe)	245.00	0.00	0.00	0.00	**245.00**	350.00	60.00	0.00	0.00	**410.00**	3.00	0.00	0.00	0.00	**3.00**
123	Dried arecanut/ Dried betel nut	299.30	45.00	0.00	0.00	**344.30**	0.00	0.00	0.00	0.00	**0.00**	11.60	0.00	0.00	0.00	**11.60**
124	Other Stimulants	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	172.40	10.00	0.00	0.00	**182.40**
125	Coir	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
126	Other coir products	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
127	Tamarind seed powder	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
128	Lemongrass oil	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.50	0.00	0.00	0.00	**0.50**
129	Others	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**	0.50	0.00	0.00	0.00	**0.50**
TOTAL*		**2426.52**	**476.83**	**9273.34**	**1.50**	**12178.19**	**3256.65**	**1296.55**	**51276.00**	**1285.00**	**57114.20**	**4797.16**	**58.56**	**219.40**	**0.00**	**5075.12**

* *Excluding the quantities of crops with codes nos. 31, 105, 106, 107, 114, 115, 116, and 121*

Annexure Table No. 13.6: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓											
Serial No./ Crop Code	Commodity Items	Kannur					Kasargod				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
1	Rice	0.00	279.50	4398.10	0.00	**4677.60**	0.00	18.00	81.00	0.00	**99.00**
2	White Raw rice	0.00	7.15	1163.04	0.00	**1170.19**	0.00	0.00	35.30	0.00	**35.30**
3	Ragi	0.00	0.00	3.38	0.00	**3.38**	0.00	0.00	5.05	0.00	**5.05**
4	Paddy	19.00	0.00	0.50	0.00	**19.50**	5.00	0.00	0.00	0.00	**5.00**
5	Wheat	0.00	3.00	134.24	0.00	**137.24**	0.00	0.00	6.50	0.00	**6.50**
6	Maize/Corn	0.00	0.15	30.60	0.00	**30.75**	0.00	0.00	0.00	0.00	**0.00**
7	Other millets/Other grains/Other cereals	0.00	0.00	89.10	0.00	**89.10**	0.00	0.00	0.00	0.00	**0.00**
8	Bengal gram (Black)	0.00	0.00	160.13	0.00	**160.13**	0.00	0.00	12.00	0.00	**12.00**
9	Bengal gram (white)	0.00	0.00	66.56	0.00	**66.56**	0.00	0.00	1.25	0.00	**1.25**
10	Tur dhal	0.00	1.00	90.11	0.00	**91.11**	0.00	0.00	9.50	1.30	**10.80**
11	Tur dhal(FATKA)	0.00	0.00	30.00	0.00	**30.00**	0.00	0.00	0.00	0.00	**0.00**
12	Red Gram (Split)	0.00	0.00	48.85	0.00	**48.85**	0.00	0.00	2.05	0.00	**2.05**
13	Split peageon peas	0.00	0.00	24.89	0.00	**24.89**	0.00	0.00	0.50	0.00	**0.50**
14	Green gram/Moong Dal	0.00	0.00	143.90	0.00	**143.90**	0.00	0.00	11.00	0.00	**11.00**
15	Blackgram split	0.00	1.00	77.42	0.00	**78.42**	0.00	0.00	7.50	0.00	**7.50**
16	Black gram with husk (Split)	0.00	1.00	14.50	0.00	**15.50**	0.00	0.00	0.00	0.00	**0.00**
17	Black gram with husk	1.00	0.00	24.48	0.00	**25.48**	0.00	0.00	0.70	0.00	**0.70**
18	Other pulses	0.00	0.00	17.98	0.00	**17.98**	0.00	0.00	8.00	0.00	**8.00**
19	Sugar	0.00	0.00	1377.21	0.00	**1377.21**	0.00	0.00	32.00	0.00	**32.00**
20	Jaggery	0.00	0.00	218.36	0.00	**218.36**	0.00	0.00	23.00	0.00	**23.00**
21	Jaggery(Achuvellam)	0.00	0.00	105.50	0.00	**105.50**	0.00	0.00	7.35	0.00	**7.35**
22	Palm jaggery/ Plamgur	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**

Annexure Table No. 13.6: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓

Serial No./ Crop Code	Commodity Items	Kannur					Kasargod				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
23	Cocoa	2.00	0.00	0.00	0.00	**2.00**	2.46	0.00	0.00	0.00	**2.46**
24	Tea medium	0.00	14.90	24.00	0.00	**38.90**	0.00	0.00	10.00	0.00	**10.00**
25	Tea special	0.00	0.50	12.00	0.00	**12.50**	0.00	0.00	1.00	0.00	**1.00**
26	Coffee	0.00	2.00	7.00	0.00	**9.00**	0.00	0.00	1.00	0.00	**1.00**
27	Other food items	0.00	105.00	7.00	0.00	**112.00**	0.00	0.00	2.00	0.00	**2.00**
28	Sesamum	0.00	0.28	0.89	0.00	**1.17**	0.00	0.00	0.26	0.00	**0.26**
29	Ground nut	0.00	0.50	5.18	0.00	**5.68**	0.00	0.00	1.55	0.00	**1.55**
30	Coconut without husk	685.35	10.00	6.00	0.00	**701.35**	245.50	0.00	0.00	0.00	**245.50**
31	Coconut with husk (1000 Nos.)	50.00	0.00	0.00	0.00	**50.00**	0.00	0.00	0.00	0.00	**0.00**
32	Copra	208.58	0.00	0.00	0.00	**208.58**	50.00	0.00	0.00	0.00	**50.00**
33	Coconut oil cake	8.05	1.00	1.10	0.00	**10.15**	0.00	1.00	1.00	0.00	**2.00**
34	Coconut oil	192.00	3034.50	26.00	0.00	**3252.50**	15.20	13.10	26.20	0.00	**54.50**
35	Sesame oil	0.00	0.35	16.00	0.00	**16.35**	0.00	0.00	2.10	0.00	**2.10**
36	Other cash crops	0.00	0.00	22.81	0.00	**22.81**	0.00	0.00	0.00	0.00	**0.00**
37	Potatos	0.00	0.00	430.33	0.00	**430.33**	0.00	0.00	113.80	0.00	**113.80**
38	Topioca/ Cassava/ Kappa	36.68	4.50	12.50	0.00	**53.68**	6.00	3.00	0.00	0.00	**9.00**
39	Tapioca Dry (Boiled)	2.00	0.00	0.00	0.00	**2.00**	0.20	0.50	0.00	0.00	**0.70**
40	Dried tapioca/ Dried cassava	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
41	Sweet potato	0.20	0.01	6.24	0.00	**6.45**	60.92	1.00	18.00	0.00	**79.92**
42	Purple yam/Kachil	0.69	0.00	1.20	0.00	**1.89**	0.00	0.00	0.00	0.00	**0.00**
43	Elephant yam	7.69	3.00	54.13	0.00	**64.82**	11.27	3.00	21.50	0.00	**35.77**
44	Colocasia	1.86	1.02	25.18	0.00	**28.06**	4.29	0.50	75.50	0.00	**80.29**

Annexure Table No. 13.6: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓											
Serial No./ Crop Code	Commodity Items	Kannur					Kasargod				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
45	Other tuber crops	0.00	0.00	1.30	0.00	**1.30**	0.00	0.00	0.00	0.00	**0.00**
46	Carrot	0.00	0.00	76.00	0.00	**76.00**	0.00	0.00	22.30	0.00	**22.30**
47	Radish	0.01	0.00	2.62	0.00	**2.63**	0.00	0.00	0.00	0.00	**0.00**
48	Beetroot	0.00	0.00	56.73	0.00	**56.73**	0.00	0.00	21.40	0.00	**21.40**
49	Sweet radish	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
50	Tomato	0.00	0.00	406.33	0.00	**406.33**	0.00	0.00	57.00	0.00	**57.00**
51	Spinach	24.20	5.50	15.60	0.00	**45.30**	3.29	0.00	12.00	0.00	**15.29**
52	Indian bean/Broad bean/ Cluster beans	0.50	0.00	9.25	0.00	**9.75**	0.00	0.00	0.50	0.00	**0.50**
53	Cabbage	0.03	0.50	64.72	0.00	**65.25**	0.00	0.00	14.60	0.00	**14.60**
54	Leafy vegetables	0.00	0.00	14.30	0.00	**14.30**	0.00	0.00	0.00	0.00	**0.00**
55	Brinjal Green Long	1.02	0.00	45.11	0.00	**46.13**	15.34	8.00	24.20	0.00	**47.54**
56	Green long yard bean	14.59	1.25	72.43	0.00	**88.27**	15.79	10.00	32.00	0.00	**57.79**
57	Lady Finger/Okra	10.08	0.00	54.81	0.00	**64.89**	12.79	2.50	12.85	0.00	**28.14**
58	Cauliflower	0.00	0.00	27.80	0.00	**27.80**	0.01	0.00	9.50	0.00	**9.51**
59	Cucumber	67.97	0.00	95.40	0.00	**163.37**	53.90	10.00	20.00	0.00	**83.90**
60	Bottle gourd	0.95	0.00	3.05	0.00	**4.00**	0.00	0.00	1.00	0.00	**1.00**
61	Pumpkin	15.86	0.00	39.00	0.00	**54.86**	17.74	12.00	15.50	0.00	**45.24**
62	Bitter Gourd	7.03	5.60	43.73	0.00	**56.36**	5.59	2.00	22.20	0.00	**29.79**
63	Ash gourd	7.85	0.00	51.88	0.00	**59.73**	15.19	10.00	16.70	0.00	**41.89**
64	Beans	0.00	0.00	68.26	0.00	**68.26**	0.00	0.00	11.00	0.00	**11.00**
65	Drumstick	0.76	2.00	29.85	0.00	**32.61**	2.13	2.00	17.00	0.00	**21.13**
66	Green chilli	4.28	3.25	37.66	0.00	**45.19**	1.25	0.50	21.35	0.00	**23.10**

Annexure Table No. 13.6: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources											(Qty: In tons.) ↓
Serial No./ Crop Code	Commodity Items	Kannur					Kasargod				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
67	Ridge gourd	7.29	0.00	7.90	0.00	**15.19**	6.42	0.50	40.50	0.00	**47.42**
68	Snake gourd	2.22	0.00	31.20	5.00	**38.42**	0.38	0.00	6.70	0.00	**7.08**
69	Ivy gourd/Coccinia grandis	1.72	2.00	33.15	0.00	**36.87**	13.01	0.50	415.00	0.00	**428.51**
70	Other vegetables	2.47	0.00	11.80	0.00	**14.27**	9.78	0.00	11.00	0.00	**20.78**
71	Small onion/Shallot	0.00	0.00	65.02	0.00	**65.02**	0.00	0.00	38.00	0.00	**38.00**
72	Big Onion/Savala	0.00	0.00	963.50	0.00	**963.50**	0.00	0.00	123.50	0.00	**123.50**
73	Other vegetables I	0.50	0.00	1.00	0.00	**1.50**	0.00	0.00	0.00	0.00	**0.00**
74	Other vegetables II	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
75	Other vegetables III	0.10	0.00	0.00	0.00	**0.10**	0.00	0.00	0.00	0.00	**0.00**
76	Nendran Banana (Nadan)	255.63	114.00	15.80	0.00	**385.43**	86.25	30.00	13.00	0.00	**129.25**
77	Nendran Banana (Pandy)	0.00	0.00	1862.00	0.00	**1862.00**	0.00	0.00	60.50	0.00	**60.50**
78	Nendran Banana (Nadan-Wayanadan)	2.00	144.00	0.00	0.00	**146.00**	0.60	45.50	0.00	0.00	**46.10**
79	Pineapple	1.95	31.90	3.20	0.00	**37.05**	0.50	19.00	0.00	0.00	**19.50**
80	Pineapple (pandy)	0.00	0.00	19.00	0.00	**19.00**	0.00	0.00	3.00	0.00	**3.00**
81	Raw mango	2.53	2.30	5.61	0.00	**10.44**	8.50	8.00	22.50	0.00	**39.00**
82	Mango (Ripe)	15.60	11.50	32.50	0.00	**59.60**	1.50	3.00	3.00	0.00	**7.50**
83	Apple	0.00	0.00	100.60	0.00	**100.60**	0.00	0.00	10.50	0.50	**11.00**
84	Orange	0.00	1.50	230.00	0.00	**231.50**	0.00	0.00	10.50	0.20	**10.70**
85	Ripe Plantain	32.69	38.50	35.85	0.00	**107.04**	51.65	56.00	51.00	0.00	**158.65**
86	Other fruits I	1.67	0.00	34.00	0.00	**35.67**	0.00	0.00	0.00	0.00	**0.00**
87	Other fruits II	0.00	0.00	65.00	0.00	**65.00**	0.00	0.00	0.00	0.00	**0.00**
88	Other fruits III	0.00	0.00	109.25	0.00	**109.25**	0.00	0.00	0.00	0.00	**0.00**

Annexure Table No. 13.6: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources

(Qty: In tons.) ↓

Serial No./ Crop Code	Commodity Items	Kannur					Kasargod				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
89	Black pepper	34.71	1.00	0.00	0.00	**35.71**	21.96	0.00	0.50	0.00	**22.46**
90	Cardamom	0.00	0.12	2.00	0.00	**2.12**	0.00	0.01	0.00	0.00	**0.01**
91	Turmeric	4.78	0.23	5.00	0.00	**10.01**	0.03	0.00	0.00	0.00	**0.03**
92	Ginger	1.97	1.80	11.13	0.00	**14.90**	0.00	0.50	2.25	0.00	**2.75**
93	Dried ginger	0.00	0.72	1.05	0.00	**1.77**	0.00	0.00	0.25	0.00	**0.25**
94	Nutmeg seed with husk	0.00	0.00	0.03	0.00	**0.03**	1.00	0.00	0.00	0.00	**1.00**
95	Nutmeg seed	0.50	0.00	0.00	0.00	**0.50**	0.00	0.00	0.00	0.00	**0.00**
96	Chili	0.00	0.00	172.50	0.00	**172.50**	0.00	0.00	12.20	0.00	**12.20**
97	Coriander	0.00	0.00	71.55	0.00	**71.55**	0.00	0.00	12.30	0.00	**12.30**
98	Cumin	0.00	0.60	3.33	0.00	**3.93**	0.00	0.00	0.03	0.50	**0.53**
99	Fennel Seeds	0.00	0.00	5.03	0.00	**5.03**	0.00	0.00	0.25	0.00	**0.25**
100	Mustard	0.00	0.90	6.78	0.00	**7.68**	0.00	0.00	1.50	0.00	**1.50**
101	Fenugreek	0.00	0.80	1.59	0.00	**2.39**	0.00	0.00	0.53	0.00	**0.53**
102	Garlic	0.00	0.00	35.30	0.00	**35.30**	0.00	0.00	30.15	0.00	**30.15**
103	Tamarind	0.00	10.30	20.56	0.00	**30.86**	0.00	0.00	1.00	0.00	**1.00**
104	Other spices	0.00	0.00	1.31	0.00	**1.31**	0.00	0.00	0.00	0.00	**0.00**
105	Egg (Hen) White Lagoon (1000 Nos.)	0.00	8200.00	41185.65	0.00	**49385.65**	2000.00	3000.00	44500.00	0.00	**49500.00**
106	Country egg (Hen) (1000 Nos.)	46.30	1500.00	1107.30	0.00	**2653.60**	0.00	0.00	0.00	0.00	**0.00**
107	Egg (Duck) (1000 Nos.)	0.00	1500.00	4509.00	0.00	**6009.00**	200.00	500.00	1000.00	0.00	**1700.00**
108	Meat	2.33	0.83	45.83	0.00	**48.99**	16.00	0.00	20.00	0.00	**36.00**
109	Mackerel	0.00	1.60	120.00	0.00	**121.60**	76.00	34.00	223.00	0.00	**333.00**
110	Sardine	0.00	1.63	150.00	0.00	**151.63**	70.00	43.00	248.00	0.00	**361.00**

Annexure Table No. 13.6: District Wise And Commodity Item Wise Distribution Of Average Monthly Market Arrivals In Wholesale Markets From Different Sources (Qty: In tons.) ↓											
Serial No./ Crop Code	Commodity Items	Kannur					Kasargod				
		From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total	From Locally produced	From neighbouring districts	From neighbouring states	From foreign countries	Grand Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
111	Pomfret	0.00	0.00	0.00	0.00	**0.00**	16.00	5.00	37.00	0.00	**58.00**
112	Prawn	0.00	0.05	15.00	0.00	**15.05**	37.00	18.00	80.00	0.00	**135.00**
113	Fish items	0.00	4.29	1.00	0.00	**5.29**	51.00	31.00	138.00	0.00	**220.00**
114	Milk (1000 Litre)	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
115	Curd (1000 Litre)	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
116	Other dairy products (1000 Litre)	0.00	0.00	0.50	0.00	**0.50**	0.00	0.00	0.00	0.00	**0.00**
117	Cashew nut	412.30	0.00	0.50	0.00	**412.80**	56.20	0.00	0.00	0.00	**56.20**
118	Rubber	1650.39	0.00	0.00	0.00	**1650.39**	10.30	0.00	0.00	0.00	**10.30**
119	Other plantation crops	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
120	Tobacco	0.00	0.00	0.11	0.00	**0.11**	0.00	0.00	0.00	0.00	**0.00**
121	Betel Leaves (1000 Nos.)	0.00	265.10	5.15	0.00	**270.25**	270.00	0.00	0.00	0.00	**270.00**
122	Arecanut (Ripe)	31.83	0.50	0.50	0.00	**32.83**	50.00	0.00	0.00	0.00	**50.00**
123	Dried arecanut/ Dried betel nut	357.80	0.00	0.00	0.00	**357.80**	619.09	0.00	0.00	0.00	**619.09**
124	Other Stimulants	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
125	Coir	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
126	Other coir products	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
127	Tamarind seed powder	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
128	Lemongrass oil	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
129	Others	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	**0.00**
	TOTAL*	**4143.22**	**3859.54**	**14388.71**	**5.00**	**22396.46**	**1747.00**	**391.11**	**2463.37**	**2.50**	**4603.98**

* *Excluding the quantities of crops with codes nos. 31, 105, 106, 107, 114, 115, 116, and 121*

Annexure Table No. 14: District Wise Details Of Shopping Establishments By Category, Ownership, And Availability Of Online Shopping Facility

Serial No.	District Name	Category					Ownership							Online shopping facility		
		No. of Establishments	Malls without supermarket or hyper market	Malls with supermarket or hyper market	Supermarket	Hyper market	No. of Establishments	Individual	Partnership	Cooperative	Companies	Government	Others	No. of Establishments	Available	Not available
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)
1	Thiruvananthapuram	684	4	3	643	34	684	523	89	18	37	16	1	684	52	632
2	Kollam	501	6	2	458	35	501	304	69	16	46	63	3	501	73	428
3	Pathanamthitta	339	0	1	317	21	339	241	28	27	14	27	2	339	17	322
4	Alappuzha	254	1	3	233	17	254	181	48	8	12	4	1	254	21	233
5	Kottayam	276	3	1	252	20	276	121	46	27	38	41	3	276	13	263
6	Idukki	91	0	1	80	10	91	41	12	8	5	25	0	91	7	84
7	Ernakulam	830	8	4	794	24	830	417	206	40	80	78	9	830	51	779
8	Thrissur	702	9	3	657	33	702	427	140	61	34	34	6	702	39	663
9	Palakkad	238	5	0	220	13	238	121	82	12	5	17	1	238	24	214
10	Malappuram	379	12	4	340	23	379	158	170	17	16	14	4	379	13	366
11	Kozhikode	700	5	6	635	54	700	222	388	32	23	30	5	700	18	682
12	Wayanad	45	0	1	35	9	45	15	27	1	2	0	0	45	2	43
13	Kannur	560	6	7	502	45	560	229	232	45	8	44	2	560	4	556
14	Kasargod	175	2	0	151	22	175	67	78	16	0	14	0	175	3	172
Total	Count	**5774**	**61**	**36**	**5317**	**360**	**5774**	**3067**	**1615**	**328**	**320**	**407**	**37**	**5774**	**337**	**5437**
	Percentage	**100.00%**	**1.06%**	**0.62%**	**92.09%**	**6.23%**	**100.00%**	**53.12%**	**27.97%**	**5.68%**	**5.54%**	**7.05%**	**0.64%**	**100.00%**	**5.84%**	**94.16%**

Annexure Table No. 14.1: District Wise Details Of Malls Without Supermarkets Or Hypermarkets, Their Online Shopping Facilities, And Ownership Status

Serial No.	District Name	No. of Establishments	Ownership						Online shopping facility	
			Individual	Partnership	Cooperative	Companies	Government	Others	Available	Not available
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	Thiruvananthapuram	4	1	1	0	2	0	0	1	3
2	Kollam	6	0	2	0	2	1	1	0	6
3	Pathanamthitta	0	0	0	0	0	0	0	0	0
4	Alappuzha	1	0	0	0	1	0	0	0	1
5	Kottayam	3	1	1	0	1	0	0	0	3
6	Idukki	0	0	0	0	0	0	0	0	0
7	Ernakulam	8	1	2	0	5	0	0	1	7
8	Thrissur	9	2	3	0	3	0	1	2	7
9	Palakkad	5	2	3	0	0	0	0	1	4
10	Malappuram	12	5	4	1	1	1	0	0	12
11	Kozhikode	5	1	2	0	2	0	0	2	3
12	Wayanad	0	0	0	0	0	0	0	0	0
13	Kannur	6	3	3	0	0	0	0	0	6
14	Kasargod	2	0	2	0	0	0	0	0	2
Total	Count	61	16	23	1	17	2	2	7	54
	Percentage	100.00%	26.23%	37.70%	1.64%	27.87%	3.28%	3.28%	11.48%	88.52%

Annexure Table No. 14.2: District Wise Details Of Malls With Supermarkets Or Hypermarkets, Their Online Shopping Facilities, And Ownership Status

Serial No.	District Name	No. of Establishments	Ownership						Online shopping facility	
			Individual	Partnership	Cooperative	Companies	Government	Others	Available	Not available
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	Thiruvananthapuram	3	2	0	0	0	1	0	2	1
2	Kollam	2	1	0	0	0	0	1	0	2
3	Pathanamthitta	1	1	0	0	0	0	0	0	1
4	Alappuzha	3	1	1	0	1	0	0	0	3
5	Kottayam	1	0	0	0	1	0	0	0	1
6	Idukki	1	0	1	0	0	0	0	1	0
7	Ernakulam	4	0	2	0	2	0	0	2	2
8	Thrissur	3	2	0	0	1	0	0	0	3
9	Palakkad	0	0	0	0	0	0	0	0	0
10	Malappuram	4	3	0	0	1	0	0	2	2
11	Kozhikode	6	1	2	1	2	0	0	0	6
12	Wayanad	1	0	1	0	0	0	0	0	1
13	Kannur	7	1	5	0	1	0	0	0	7
14	Kasargod	0	0	0	0	0	0	0	0	0
Total	Count	36	12	12	1	9	1	1	7	29
	Percentage	100.00%	33.33%	33.33%	2.78%	25.00%	2.78%	2.78%	19.44%	80.56%

Annexure Table No. 14.3: District Wise Details Of Supermarkets, Their Online Shopping Facilities, And Ownership Status

Serial No.	District Name	All Establishments	Ownership						Online shopping facility	
			Individual	Partnership	Cooperative	Companies	Government	Others	Available	Not available
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	Thiruvananthapuram	**643**	497	82	17	32	14	1	38	605
2	Kollam	**458**	277	61	16	42	61	1	63	395
3	Pathanamthitta	**317**	223	27	26	13	27	1	16	301
4	Alappuzha	**233**	170	42	8	8	4	1	18	215
5	Kottayam	**252**	116	37	24	32	40	3	8	244
6	Idukki	**80**	37	9	4	5	25	0	4	76
7	Ernakulam	**794**	406	196	40	67	76	9	40	754
8	Thrissur	**657**	405	127	61	27	32	5	31	626
9	Palakkad	**220**	114	71	12	5	17	1	19	201
10	Malappuram	**340**	146	152	15	10	13	4	8	332
11	Kozhikode	**635**	216	342	30	13	29	5	8	627
12	Wayanad	**35**	13	19	1	2	0	0	1	34
13	Kannur	**502**	216	191	44	5	44	2	2	500
14	Kasargod	**151**	62	59	16	0	14	0	3	148
Total	Count	**5317**	**2898**	**1415**	**314**	**261**	**396**	**33**	**259**	**5058**
	Percentage	100.00%	54.50%	26.61%	5.91%	4.91%	7.45%	0.62%	4.87%	95.13%

Annexure Table No. 14.4: District Wise Details Of Hypermarkets, Their Online Shopping Facilities, And Ownership Status

Serial No.	District Name	All Establishments	Ownership						Online shopping facility	
			Individual	Partnership	Cooperative	Companies	Government	Others	Available	Not available
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
1	Thiruvananthapuram	**34**	23	6	1	3	1	0	11	23
2	Kollam	**35**	26	6	0	2	1	0	10	25
3	Pathanamthitta	**21**	17	1	1	1	0	1	1	20
4	Alappuzha	**17**	10	5	0	2	0	0	3	14
5	Kottayam	**20**	4	8	3	4	1	0	5	15
6	Idukki	**10**	4	2	4	0	0	0	2	8
7	Ernakulam	**24**	10	6	0	6	2	0	8	16
8	Thrissur	**33**	18	10	0	3	2	0	6	27
9	Palakkad	**13**	5	8	0	0	0	0	4	9
10	Malappuram	**23**	4	14	1	4	0	0	3	20
11	Kozhikode	**54**	4	42	1	6	1	0	8	46
12	Wayanad	**9**	2	7	0	0	0	0	1	8
13	Kannur	**45**	9	33	1	2	0	0	2	43
14	Kasargod	**22**	5	17	0	0	0	0	0	22
Total	Count	**360**	**141**	**165**	**12**	**33**	**8**	**1**	**64**	**296**
	Percentage	100.00%	39.17%	45.83%	3.33%	9.17%	2.22%	0.28%	17.78%	82.22%

Annexure Table No. 14.5: District Wise Distribution Of Shopping Establishments Under Local Self Government Institutions By Category																	
Serial No.	District Name	No. of Establishment	Grama Panchayath					Municipality					Municipal Corporation				
			Malls without supermarkets or hyper market	Malls with supermarkets or hyper market	Supermarket	Hyper market	Total	Malls without supermarkets or hyper market	Malls with supermarkets or hyper market	Supermarket	Hyper market	Total	Malls without supermarkets or hyper market	Malls with supermarkets or hyper market	Supermarket	Hyper market	Total
1	Thiruvananthapuram	684	2	0	315	13	330	0	0	52	6	58	2	3	276	15	296
2	Kollam	501	4	0	361	29	394	1	1	46	4	52	1	1	51	2	55
3	Pathanamthitta	339	0	1	235	10	246	0	0	82	11	93	0	0	0	0	0
4	Alappuzha	254	0	2	185	8	195	1	1	48	9	59	0	0	0	0	0
5	Kottayam	276	3	0	181	6	190	0	1	71	14	86	0	0	0	0	0
6	Idukki	91	0	0	64	6	70	0	1	16	4	21	0	0	0	0	0
7	Ernakulam	830	1	1	390	3	395	2	3	220	11	236	5	0	184	10	199
8	Thrissur	702	2	2	479	21	504	2	1	89	3	95	5	0	89	9	103
9	Palakkad	238	2	0	180	7	189	3	0	40	6	49	0	0	0	0	0
10	Malappuram	379	3	1	269	11	284	9	3	71	12	95	0	0	0	0	0
11	Kozhikode	700	1	3	416	34	454	0	2	89	9	100	4	1	130	11	146
12	Wayanad	45	0	1	25	3	29	0	0	10	6	16	0	0	0	0	0
13	Kannur	560	1	1	364	24	390	1	6	112	9	128	4	0	26	12	42
14	Kasargod	175	0	0	117	15	132	2	0	34	7	43	0	0	0	0	0
Total	Count	5774	19	12	3581	190	3802	21	19	980	111	1131	21	5	756	59	841
	Percentage	100.00%	0.33%	0.21%	62.02%	3.29%	65.85%	0.36%	0.33%	16.97%	1.92%	19.59%	0.36%	0.09%	13.09%	1.02%	14.57%

Annexure II

Harvest periods for specific crops

Serial No.	Name of produce	Harvest season	Number of months
1	Pepper, Ginger, Turmeric	December, January, February	3
2	Pineapple	March, April, May, June	4
3	Mango, Jackfruit, Sesame	March, April, May	3
4	Nutmeg	June, July, August, September	4
5	Coco	December, January, February, March, April, May, June	7
6	Cashew	February, March	2
7	Tamarind	December, January, February, March	4
8	Cardamom, Potato	August, September, October November, December, January, February	7
9	Tubers	September, October and November	3
10	Cotton, Small onion/Shallot, Big onion/Savala, Green gram	November, December, January, February	4
11	Garlic	August, September, October November, December	5
12	Wheat, Maize and Ragi	July, August, September, October November, December, January, February	8

//Translated version//

Annexure III

Survey Questionnaire

Schedule A

Government of Kerala

Department of Economics and Statistics

Survey on Markets in Kerala : 2021-22

Block I : Identification Information

1	District		Code				
2	Taluk		Code				
3	Block Panchayath		Code				
4	Grama Panchayath/Municipality/ Corporation		Code				
5	Ward No.						
6	Name and address of the market						
7	Schedule ID						

Block II : Basic Information

1	Category of market (Wholesale market- **1**, Retail market- **2,** Both wholesale and retail - **3**)		
2	If the code in **Item no. 1** is **1**(**3**)**,** then type of wholesale market. (Record the appropriate code)		
	Primary wholesale market - **1**	Both primary and terminal- **4**	
	Secondary wholesale market - **2**	Both primary, secondary and terminal- **5**	
	Terminal wholesale market - **3**		
3	How many years has the market been in operation?		
4	Ownership of the market (Record the appropriate code)		
	Local Self Government Institutions- **1**	Private but registered with local body - **6**	
	Agriculture Department- **2**	Private but not registered with local body- **7**	
	Farmers Fraternity- **3**	No ownership- **8**	
	Co-operative Sector- **4**	Others- **9**	
	Board/Corporation/Council- **5**		
5	If the code in **Item no. 4** is **5**, then enter the type of organisation? (Enter the appropriate code)		
	VFPCK- **1**	Marketfed- 4	
	Horticorp- **2**	Kudumbashree- **5**	
	Kerafed- **3**	Others- **9**	

5.1	If the code in **Item no.5** is **9,** then enter the name of organisation.		
6	If the code in **Item no. 4** is **6 and 7**, then enter the name of the individual/associate operating the market		
7	In which mode does the market operate? (Auction- **1**, Lease- **2**, Others- **9**)		
8	If the code **in Item no. 7** is **9**, please record which mode		
9	Extent of land of the market (**In cents**)		
9.1	Perimeter of the market (**In meters**)		
9.2	If the code in **Item no. 1** is **1**(**3**), record the class in which the market belongs if the circumference (**in meters**) of the trade area is calculated. [Not applicable to wholesale markets exclusively for Fish, Livestock & poultry, and Meat]		
	Less than 500: **1**	2000 to less than 4000**: 4**	
	500 to less than 1000: **2**	4000 to less than 5000: **5**	
	1000 to less than 2000: **3**	Above 5000: **6**	

Block III : Operational Characteristics

1	Market type based on the commodities traded (Record the appropriate code)		
	Vegetable market- **1**	Paddy- **8**	
	Fish market- **2**	Coconut- **9**	
	Livestock and Poultry- **3**	Special Product - **10**	
	Meat market- **4**	Spices - **11**	
	Vegetables and fish- **5**	Markets other than poultry & livestock- **12**	
	Vegetables, fish and meat- **6**	All items market- **13**	
	Grocery/ provision items- **7**		
2	If the code in **Item no. 1 is 10**, enter the code of the special product from the instruction manual.		
3	If the code in **Item no. 1** of **Block II** is **is 1 or 3** then		
3.1	Operational frequency of the wholesale market (Record appropriate code)		
	Daily- **1**	Fortnightly- **6**	
	Weekly- **2**	Monthly- **7**	
	2 days in a week- **3**	Once in three months- **8**	
	3 days in a week- **4**	Once in six months- **9**	
	More than 3 days and less than 7 day- **5**	Yearly- **10**	
3.2	Record the details of working days using **(√)** marks. [Not applicable for markets with **code 1, 7, 8**, **9, and 10** in **Item no. 3.1**] Monday-☐, Tuesday-☐, Wednesday-☐, Thursday-☐, Friday- ☐, Saturday-☐, Sunday-☐		
3.3	Working time (Morning only- **1**, Afternoon only- **2**, Full day- **3**)		

4	If the code in **Item no. 1** of **Block II** is **is 2 or 3 then**	
4.1	Operational frequency of the retail market (Record appropriate code)	
	Daily- **1** | Fortnightly- **6**	
	Weekly- **2** | Monthly- **7**	
	2 days in a week- **3** | Once in three months- **8**	
	3 days in a week- **4** | Once in six months- **9**	
	More than 3 days and less than 7 day- **5** | Yearly- **10**	
4.2	Record the details of working days using **(√)** marks. [Not applicable for markets with **code 1, 7, 8, 9, and 10** in **Item no. 4.1**] Monday-☐, Tuesday-☐, Wednesday-☐, Thursday-☐, Friday-☐, Saturday-☐, Sunday-☐	
4.3	Working time (Morning only- **1**, Afternoon only- **2**, Full day- **3**)	
5	Have the market received any financial assistance from local/state/central governments for construction activities or maintenance works? (Yes- **1**, No- **2**, Not Applicable- **3**)	

Block IV : Infrastructure Facilities

Record the availability of trading infrastructure facilities in the market using the code (**Available- 1, Not Available- 2**)					
1	Permanent strucutres		9	Electronic weigh bridge	
2	Temporary stalls/bunks not to be moved		10	Price information board	
3	Temporary stalls/bunks to be moved		11	Cold Storage	
4	Open space		12	Ripening chamber	
5	Information Counter/ Sign board		13	Zero Energy Cool Chamber	
6	Compound wall		14	Solar Energy Cool Chamber	
7	Parking facility		15	Associated warehouses	
8	Disabled friendly space		16	Others (specify)	

Block V : Information about Warehouses*

1	Number of warehouses where traders store commodities			
2	Enter the code of the class in which the distance (**in meters**) from the market to the warehouses belogs. [0 - 500: **1;** 500 - 1000: **2**; 1000 - 2000: **3**; 2000 - 5000: **4**; above 5000: **5**]		**Minimum**	**Maximum**
3	Enter the four-digit serial numbers provided to each warehouse noted in **Item No. 1** as per the register kept at the district level			

* Applicable if code in **Item no. 15** of **Block IV** is **1.**

Block VI : Service Amenities

Record the information on availability of ancillary services and hygienic management in the market using the code (**Available - 1, Not available - 2**)					
1	Office Room		**9**	Toilet	
2	Market Information Centre		**10**	Cattle resting place	
3	Electricity		**11**	Waste water treatment	
4	Internal Roads		**12**	Drainage facility	
5	ATM		**13**	Water for cleaning purpose	
6	Drinking Water		**14**	Biogas plant	
7	Canteen		**15**	Market cleaning staff	
8	CCTV		**16**	Others (specify)	

Block VII : Average Number of Traders (Monthly)

Serial No.	**Category**	**Within the market**		**Outside the market but within the trade area**	
		Wholesalers	**Retailers**	**Wholesalers**	**Retailers**
1	Number of traders buying products				
1.1	Those with permanent shop				
1.2	Those without permanent shops but with permanent place				
1.3	Those with neither permanent shop nor permanent place				
2	Number of traders selling products				
2.1	Those with permanent shop				
2.2	Those without permanent shops but with permanent place				
2.3	Those with neither permanent shop nor permanent place				
3	Number of traders buying and selling products				
3.1	Those with permanent shop				
3.2	Those without permanent shops but with permanent place				
3.3	Those with neither permanent shop nor permanent place				

Block VIII : Average Number of Traders Arriving Seasonally (Monthly)

Serial No.	Category		Within the market		Outside the market but within the trade area	
			Wholesalers	Retailers	Wholesalers	Retailers
1	Buyers					
2	Sellers					
3	Both buyers and sellers					

Block IX: Market Arrivals (Monthly)

[Applicable to wholesale markets only]

Serial No.	Items	Code#	Quantity of products arriving in the trade area (Record in metric ton*)					Place of arrival (Within the market- 1, Outside the market but within the trade area- 2, Both- 3)
			Locally produced		Other than locally produced			
			Quantity	Whether auction going on? Enter code (Yes- 1, No- 2)	Arrival from neighbouring districts	Arrival from neighbouring states	From foreign countries	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
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*** Except dairy products (milk, curd), eggs, coconut with husk, and betel leaves. Dairy products should be recorded in 1000 Litres and others in 1000 Nos.; #See Appendix for code.**

Average monthly arrival = Total arrivals in the season/number of months in the season

Block X : Details of Wholesalers

Serial No.	Name and address of the wholesalers, Mobile/Telephone number, e-mail ID	Operating location (Within the market- 1, Outside the market but within the trade area- 2)	Information on major agricultural commodities traded			Record the category using code in which the wholesaler belongs	
			Name	Code	Commodity type (Primary- 1, Secondary- 2, Both- 3)	If the code in column 6 is 1(3), (Primary agricultural wholesaler- 1, Primary wholesaler- 2)	If the code in column 6 is 2(3) (Secondary wholesaler- 1, Tertiary wholesaler- 2)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1							
2							
3							
4							
5							

6							
7							
8							
9							
10							
11							
12							
13							

Block XI : Details of Wholesale Trade Centres Outside the Trade Area

(For Market Intelligence Division)

Serial No.	Name and address of wholesaler, Mobile/Telephone number E-mail ID	Record the appropriate code for the major agricultural commodities traded and the category to which the wholesaler belongs.			
		Name	Code	Commodity type (Primary- 1, Secondary- 2, Both- 3)	If the code in column 6 is 1(3), (Primary agricultural wholesaler- 1, Primary wholesaler- 2)
(1)	(2)	(3)	(4)	(5)	(6)
1					
2					
3					
4					
5					

6					
7					
8					
9					
10					
11					
12					
13					

Block XII : Arrival of Locally Produced Agricultural Commodities for Wholesale Trade

Block XIII : Covid- 19 Impact

Block XIV : Field operation, Supervision, Data Entry

Name of Investigator Mobile number Signature with date	
Name of Supervisor Mobile number Signature with date (Taluk Level)	
Name of Supervisor Mobile number Signature with date (District Level)	

Block XV : Remarks

//Translated version//

District Level No: ☐☐☐☐

Schedule B

Government of Kerala

Department of Economics and Statistics

Survey on Markets in Kerala: 2021-22

Information on Associated Warehouses

Block I : Identification Information

1	District		Code	
2	Taluk		Code	
3	Block Panchayath		Code	
4	Grama Panchayath/Municipality/ Corporation		Code	
5	Ward No.			
6	Name and address of the warehouse			
7	Name and address of the markets associated with the warehouse			
8	Schedule ID			

Block II : Basic Information

1	Ownership type of the Warehouse (Private- **1**, General- **2**, Government- **3**, Bonded- **4**, Co-operative- **5**)	
2	Ownership category of the warehouse (Individual- **1**, Partnership- **2**, Registered companies- **3**, Central Warehousing Corporation- **4**, State Warehousing Corporation- **5**, Port/ Airport Authorities- **6**, Co-operative Societies- **7**, Local Bodies- **8**, Others- **9**)	
3	Name and address of the individual/institution/ organization operating the warehouse	
4	Extent of land on which the warehouse is located (in cents)	
5	Storage area for keeping commodities (per square feet)	
6	Storage capacity of the warehouse (in metric tons)	
7	Type of warehouse based on the products handled (General- **1**, Special Commodity- **2**, Cold storage- **3**)	
7.1	Information on products that can be stored in the warehouse (Yes- **1**, No- **2**)	

(a)	Grains and other food items		**(e)**	Dairy products	
(b)	Spices		**(f)**	Vegetables and fruits	
(c)	Tubers and plantation crops		**(g)**	Fish, egg and meat	
(d)	Tobacco products		**(h)**	Others (specify)	

Block III : Infrastructure Facilities and Movement of Goods

Enter the code of availability of infrastructure facilities (**Available- 1, Not available- 2**)					
1	Storage of perishable items		**7**	Internal roads	
2	Protection from moisture, dust, rains		**8**	Trucks	
3	Storage of high valued items		**9**	Loader/ unloading workers	
4	Parking space		**10**	Skilled workers	
5	Electronic weigh bridge		**11**	Conware belts	
6	Canopy roofing		**12**	Forklifts	

Block IV: Mode of Operation

Enter the code of availability of services (**Available- 1, Not available- 2**)					
1	Storage of goods		**5**	Processing	
2	Protection of goods		**6**	Grading & Branding	
3	Risk Bearing		**7**	Mixing & Packing	
4	Financing		**8**	Transportation	

Block V : Safety Measures

Enter the code of availability of safety settings (**Available- 1, Not available- 2**)					
1	CCTV		**4**	Fire fighting	
2	Alarms		**5**	Security	
3	Fencing		**6**	Others (specify)	

Block VI : Data Collection, Supervision, Data Entry

Name of Investigator Mobile number, Signature with date	
Name of Supervisor Mobile number Signature with date (Taluk Level)	
Name of Supervisor Mobile number Signature with date (District Level)	

Block VII : Remarks

//Translated version//

Schedule C

Government of Kerala

Department of Economics and Statistics

Survey on Markets in Kerala: 2021-22

Information on Malls, Supermarkets and Hypermarkets

Block I : Identification Information

1	District		Code				
2	Taluk		Code				
3	Block Panchayath		Code				
4	Grama Panchayath/Municipality/Corporation		Code				
5	Schedule ID						

Block II : Details of Establishments

Serial No.	Name and address of the Shopping Establishment with Pin Code	E-mail ID	Phone Number	Website Address	Is online shopping facility available? (Available- 1, Not Available- 2)	Category (Mall- 1 , Supermarket- 2 , Hypermarket- 3, Mall with Supermarket/ Hypermarket- 4)	Ownership (Individual- 1, Partnership- 2, Cooperative- 3, Companies- 4, Government- 5, Others- 9)	Marketing products (Food items- 1, Food items and household items- 2, All items- 3)
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1								
2								

3								
4								
5								
6								
7								
8								
9								
10								

Block III: Data Collection, Supervision, Data Entry

Name of Investigator Mobile number, Signature with date	
Name of Supervisor Mobile number, Signature with date (Taluk Level)	
Name of Supervisor Mobile number, Signature with date (District Level)	

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