

# Consumption Design and Development of Market Yard for Solapur City

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**Abstract** - Solapur APMC is regarded as popular market in Maharashtra. At the beginning mostly onion is leading one in India from Solapur. From the year 1961 purchase and sale of onion were brought under regulation. The 80% goods come from Karnataka because this market committee is between Maharashtra and Karnataka boundary. In these goods there is Jawar, Jaggery, Maize etc. There is 18 types of agricultural goods under the rules & regulation of market committee. In terms of Solapur Market Yard, we have planned the market yard of Solapur city, we have considered various things, we have developed it accordingly, and we have shown how the market yard should look like through Auto CAD drawing. In our view, if the planning is carried out according to what the market committee would like, it will also benefit the poor farmers.

**Key Words:** Agricultural Market Infrastructure, Evaluation, Regulated Market, Marketing

## 1. INTRODUCTION

Solapur APMC is the biggest and the most important regulated markets in the Western Maharashtra. The Agricultural produce market committee, Solapur name in to being in 1959. Under the Bombay Agricultural Produce Market Act of 1939, sale and purchase of onion, gul, jawar, bajara, wheat and vegetables were brought under regulation. Subsequently, the area of operations of the market committee was extended to North Solapur and South Solapur. For the better regulations of sale proceeds of agricultural commodities, Solapur APMC has established principal market in Solapur city. The area of this principal market yard is 105 acre. The site of principal market is on Hyderabad – Pune highway road. We have planned the Solapur Market Yard with complete facilities so that no one has to face any trouble. Therefore, we have shown the fully planned facilities

### 1.1 LITERATURE OF SURVEY

Jayarathnam (2002) in her study on farmers market (Uzhavar Sand- hai) in Tamil Nadu, pointed out the problems in cultivation, transportation, marketing and pricing of vegetables. Even she has given strengths,

weaknesses, opportunities and threats of vegetable marketing in Uzhavar Sandais of Tamil Nadu.

Dr. Sangappa Rampure (Nov-2014) APMC are also required to meet the recurring expenditure such as maintenance of road expenditure, building, godowns, market yard, vehicles. After the initial investment in these facilities from the borrowed capital APMC need to make payment of interest on loans, tax charges, payment of salaries, printing and stationery etc. are to be paid periodically. The different sources of income through which the APMC are earning revenue are shown in the following parts along with the various expenditures by the APMC in the market yard.

### 1.2 PROBLEM IDENTIFICATION

The purpose of taking this topic is that wherever we went, we found problems, so we planned for Solapur Market Yard through our project. In our opinion, Solapur Market Yard should have everything. We focused on everything from infrastructure to creating a plan with the help of AutoCAD, and the we also modeled it. We have planned so that the farmers and the working staff do not suffer any hardship. The project has been taken up after studying all the planned toilets, roads, drainage system, light poles etc.

## 2. OBJECTIVE OF THE PROJECT

1. To understand the existing market requirements of Solapur.
2. To plan and design various components of the Market Yard.
3. To ensure smooth traffic and goods movement.
4. To integrate modern amenities for better functionality.

## 3. SCOPE OF THE PROJECT

The project includes site analysis, planning, architectural layout and infrastructure development for a market yard that caters to the needs of farmers, traders and consumers. It covers the design of essential units such as auction platforms, godowns, administrative offices, parking zones and other support facilities.

**METHODOLOGY**

The present study is based on both the primary and secondary data. The primary data were collected from records of Solapur Agriculture Produce Market Committee. The secondary data were collected from books, journals and annual reports of Solapur APMC.



**Fig no:1 Data Collection**

**1. ISIT TO THE SITE**

We visited all the market yards of Indapur, Pandharpur, Kurdwadi, Nanded, Latur, Tuljapur, Dharashiv and Mumbai and we visited them after obtaining permission. Keeping in mind all the problems there, we planned and modeled the Solapur Market Yard. The purpose of this visit was to ensure that the issues that exist there are not in the Solapur Market Yard. We have made a plan for Solapur.

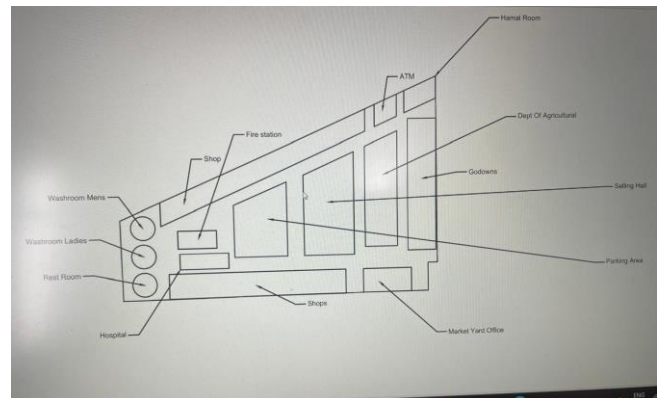
**II. DATA ANALYSIS**

We visited another market yard from a civil engineering perspective, but we found many difficulties, so we planned for the Solapur Market Yard. As there are only one or two toilets facilities, maximum number of toilets should be built so that no one faces any problem. The road should be mainly designed so that heavy vehicles do not face any problem. Unfortunately, the road is neglected in the market committee. There should be CCTV and Light poles. At night, the light poles are closed and no one pays attention to them. We have identified many more such problems and have made a plan for Solapur Market Yard from our perspective.

**III. DATA COLLECTION**

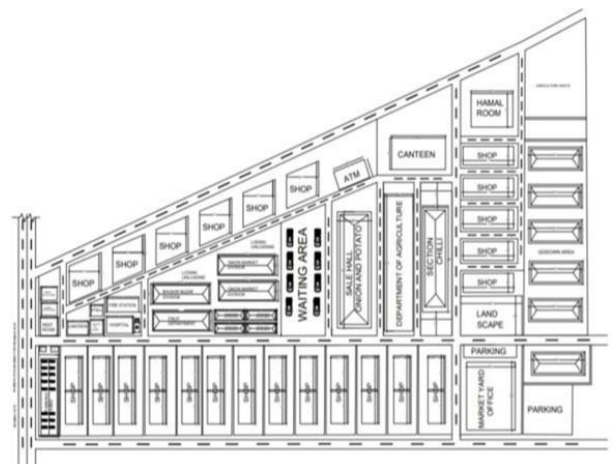
We collected data through research paper and we visited another market committee and collected data there. Initially, we collected all the required data from various books and other source.

**[1] IV. MODEL**



**Fig no 2: Rough Plan**

We made the plan with the help of Auto CAD and we have shown the infrastructure that we can see in it.



**Fig no 3: Well Developed Plan**

This plan is of Solapur Market Yard, in which we have made many changes. We have made this plan ourselves with the help of Auto CAD.

**V. VISIT PHOTOS**

1) Indapur And Kurdwadi:

We visited Indapur and kurdwadi market yard on 17 October 2023. Wheat, Jawar, Bajari and vegetables are imported and exported there.



(2) Nanded:

Visited Nanded market yard on 20 October 2023. This market place is famous for turmeric and I came to see the problems there.



(3) Mumbai ( Kalyan & Vashi) :

We also visited Mumbai, known as the financial capital of Maharashtra, on 22 October 2023.





(4) Dharashiv and Tuljapur :

We visited on 24 October 2023.



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## VI. CONCLUSION

The proposed market yard design addresses the existing infrastructural gaps in Solapur agricultural marketing system. It ensures operational efficiency, hygiene, sustainability and convenience. Implementation of this plan would significantly benefits all stakeholders and boost the local economy. With proper planning and design of market yard this is beneficial for all the farmers which are connected to the market yard of the Solapur district. They will get all the facilities required for the selling of their products and benefits out of it. We have shown through our projects and model that there are many

## VII. FUTURE SCOPE FOR THIS PROJECT

1. If electric vehicles arrive, a charging system should be available.
2. The drainage system should be underground.

## 7. REFERENCES

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