

# Redevelopment of informal market at Garam Sadak Morar Gwalior

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**Abstract:** Market (bazaar) is the very important place for anywhere in India. Walker plays the very important role in the market to provide better accessibility and mobility for walker market, to promote the purchasing and other commercial enterprise activity in a city. Morar was formerly a British military cantonment during the revolt of 1857. It is known for one of the important places for an uprising in central India. Morar is a large bazaar located in 4 km. towards east from district headquarters Gwalior it is a city headquarter. The bazaar is famous for jewelry, ornaments, clothes, cosmetics, fancy, general store, bakeries, walker of Morar road is a way towards the development garam Sadak of morar market one of the oldest and popular lane of Morar Gwalior . it is the central part of old morar city.bazar which meant to be an attractive public space has lost its purpose due to traffic congestion of vehicles and walker, illegal encroachment of hawkers and vendors, on street. Thus, Walker is found to be an effective way to make the bazaar attractive again. So, the objective of the study.

**Keywords:** Walker, traffic congestion, public space and bazaar, built environmental, redevelopment

## INTRODUCTION

### BACKGROUND

The Morar is one of the towns of Gwalior Madhya Pradesh Morar is also recognized as a green region of district gwalior as it has farmland in a rural setup comprising 14 villages. The national bird of India the peacock (mor in hindi ) are found plenty in this region and thus name Morar

### STUDY AREA

Morar is a cantonment area in Gwalior district in the Indian state of Madhya Pradesh. It is part of an urban Gwalior. Morar cantonment on the outskirts of the market. The Morar market is surrounded by posh colonies and posh markets. Markets are generating employment opportunities for the people like maids, drivers, servants, security guards etc. maidan and Sanjay park for social activity space. The bazaar is famous for jewelry, ornaments, clothes, cosmetics, fancy, general store, bakeries. The available width of walker 9m-12m along the 1200m length of Garam Sadak Morar. Walker one end connected to baradari chowk another end connected to 6 number chowk it is connected to Jhansi Agra highway. Surrounded by mix land use pattern of the selected area.

### Need for project

For the Revival of the Commercial area since it has the maximum flow of pedestrians thus gaining its charm and lost life as they have become dead.

For Cars/For People - vehicular access are overcoming in urban communities, in result the participation of passerby in urban spaces is ending up plainly less and less. Cities are for people but trends of development in transportation infrastructure within the city have prioritized vehicles over a pedestrian. Even due to road tax policies vehicles edge out pedestrian from road space designing. Since the ongoing Smart City Mission also includes for the creation of Walkable Communities.

**AIM :-** Redevelopment of the walker and provided space for hawkers and vendors with parking

### A City profile

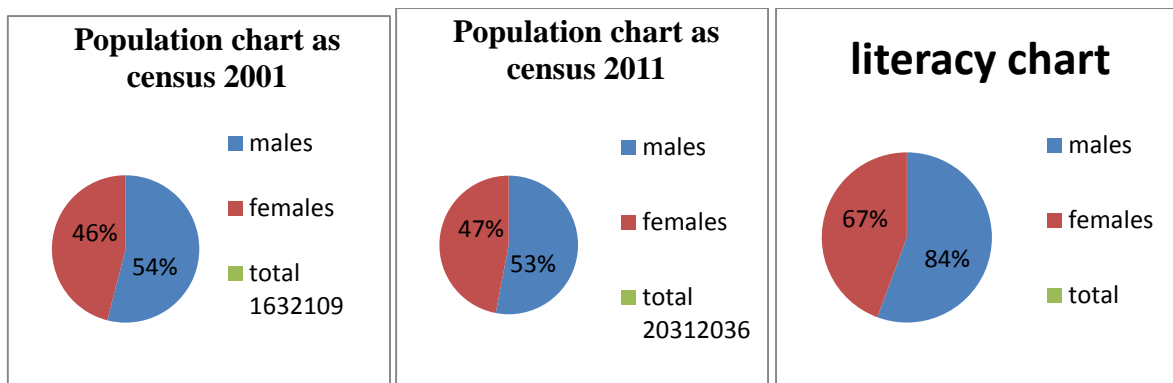
Gwalior is a major city of Madhya Pradesh India. It is a historic city.

The city consists of 3 sub- cities namely

- Gwalior • Lashkar • Morar

### Demographics

Gwalior had a population 2,032,036 as per census 2011 25% increase from the 2001 census.



**PHYSICAL GROWTH OF CITY**

Decadal population growth rate of gwalior city.

Year	Population	Decadal growth (%)
1961	300,590	24.43
1971	406,140	35.11
1981	539,020	32.72
1991	690,765	28.15
2001	827,026	19.73
2011	1,053,505	27.38

**The population of Morar block**

As per census 2011, Morar's population is 177921. Out of this, 98047 are males while the females count 79874 here. This block has 25877 kids in the age group of 0-6 years. Out of this 14299 are boys and 11578 are girls. The total area of Morar is 855 square kilometer



<b>Available facilities</b>	
A	Kalyan memorial hospital
B	Government higher secondary school
C	Polish station
D	Water tank
E	Jilla hospital
F	District hospital maternity wing
G	Sanjay park and ramlila maidan
H	Central bureau of norcotics residens
I	Vip cicuit house
J	Central bureau of norcotics office
K	Army. Area
L	Vijaya raje government girls pg collage
M	Church ,temple ,Guruduara
o	Chowk

### **Literacy Morar block**

Literacy ratio in Morar block is 57%. 102511 out of total 177921 population is educated here. Among males, the literacy rate is 68% as 66741 males out of total 98047 are educated whereas female literacy ratio is 44% as 35770 out of total 79874 females are literate in this block.

### **Site analysis**

#### **SURVEY**

The Morar market is in a residential area. This is 35 -40year old market. The land belongs to a Society, and they have given the land to the market

From our primary survey, we find that the majority of vendors in this market sell vegetables and food products. The market consists of 43% vegetable and 14% of fruits sellers. Other major vendor groups in this market are cloth vendors and vendors selling cosmetics and other small ladies products, each of these groups consisting of around 14% of the total vendors. Around 15% of vendors sell miscellaneous items. vacant government property available approx 4000 sqm

### **Identified Issues /problems**

#### **Weekly markets**

The weekly markets are only on Sundays but blocks the entire road and creates problems for the area.

**Vendors** The vendors stand anywhere they want, it creates congestion on the roads and hence traffic.

#### **Informal activities**

Many people have made a temporary shop for them on the roadside, which is illegal and reduces the road width.

Both the pedestrian and vehicular roads are in very bad condition.

#### **Structure**

Built & designed by contractors without proper structural analysis or approval of the authorities & cost-cutting techniques, these buildings can be termed structurally unsafe.

### **Public toilet facility**

There is one public toilet which was constructed by the government

#### **Garbage**

There is no proper area which is defined for dumping the garbage.

People often dump garbage in front of their shops on the streets.

Every morning an GMC truck comes and to collect all the garbage on the streets.

The dumping of garbage on the streets creates a very unhygienic condition for the people living.



Fig-1 Primary survey



Fig-2 Primary survey

**Public spaces**

The open and green spaces are not maintained

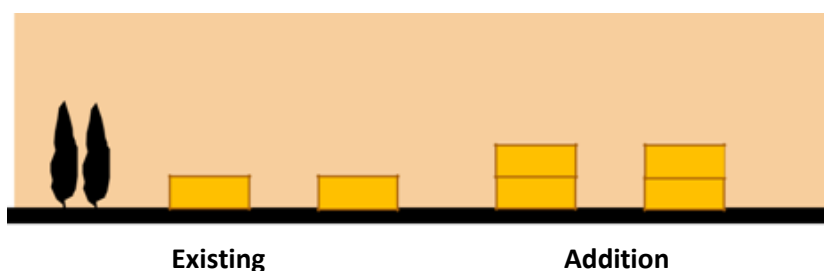
**Sewage and drainage**

Morar consists of a sewerage system but due to the increase in the population the load on the sewerage system increases which results in choking.

Vegetable mandi are all-time overcrowded

**Buildings observation**

The distance between the two buildings is very less (1 m) on the pedestrian roads Whereas the distance is quite large on vehicular roads. There is poor construction

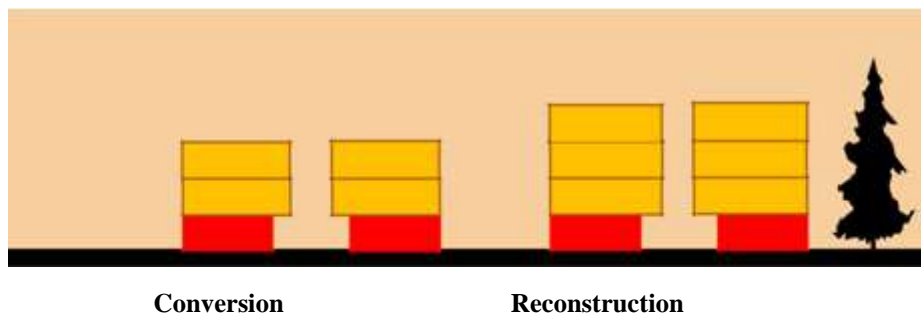


**Existing:**

The existing structures were the generally Single story.

Addition: There was an addition to the single-story Structures, now the single-story structures were converted into g+1.

Commercial	
Residential	



**Conversion:**

The ground floors were converted from a Residential use to commercial use for a mode Of income.

**Reconstruction:**

Furthermore, floors were added to the Structures for rental purposes, as it served As a source of income.

For max. Population, property rent is the reason for the physical transformations of their dwelling and thus, their main source of income.

The physical transformation is responsible for the decrease of the distance between the building less because of the projecting balconies

The conversion of the ground floors to commercial use is also for income purposes supported by residential use on the upper floors.



colour	place
green	Park ,cantonemmnt
red	residential
blue	commercial
Off white	Vacant government land
yellow	commercial
brown	Vegitable

**Garam Sadak Route**

**PROPOSAL**

- There are four major walker/mall road routes which are used by Walker to visit the market.
- Shown in land use map yellow color is the volume/capacity ratio of all the major roads of Garam Sadak Morar to find out which road has maximum congestion/exceeds its capacity and needs to be a walker.
- Provided facilities Sidewalk, Highest walker Flow, Streetlight, Eateries, Police Booth, administration, Narrow Street (<21m), Para-transit Node, Hawkers & Vendors, Parking, visitor parking
- Vegetation, Benches, Dustbin, Signage, vendor and hawker place, Drinking Water traffic free walker street recreational activity provided

**RECOMMENDATIONS**

- Strategies- If required in future, underground parking can be provided below government property in front of the vegetable mandi and recommended facilities can be replicated to other stretches in the area too.
- Municipal Corporation should revise its architectural controls mainly for the renovation and building size.
- Overhanging cables should be cast underground.
- Zoning of spaces should be done like all food vendors in one zone etc.
- given in thealker street which is distributed as per ward basis- Sweeping, Washing of Street, Drinking Water, and Electricity.
- It is recommended to put shed all over the footpath stretch if possible for walker.
- Valet Parking all the people who come to the market &park their vehicles in the parking area .
- Parking Permits Issued to the residents and priced parking for rest all of the people to get parking self-financed.

- Other facilities that should be provided at the stretch Resurfaced Pavements, Sensors, CCTV Camera, Landscaping, Artwork, Dustbins, Vegetation, Public Toilet, Benches.

### CONCLUSION

The Morar Garam Sadak is found congested during evening peak hours, Sunday hatt, festival seasons when lots of users visit the area to purchase for different items. The Morar Garm Sadak is the main road and carries high volumes of traffic. At present, the rate of hawking activity is growing at a high pace leading to encroachment of the footpath by uncontrolled activity because of the absence of rules and regulations. For the same, an attempt has been made to critically examine the existing problems at Morar Garam Sadak i.e. Primary surveys conducted brought out the views of the public who use the area, including, the hawkers, shopkeepers, and the visiting people. From the study, it was found out however that designated and designed place for hawkers would make it convenient for the hawkers, shopkeepers, and the pedestrians. So zoning as per the main administration of the market and hawking activities, traffic congestion parking area walker, public space is recommended. An awareness program for the hawkers is necessary. With the formation of a welfare association of shopkeepers and Hawkers.

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