

# Green Spaces Near Urban Markets Case Of Bundi, Rajasthan

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**Abstract**—Bundi is an historic city .It has indira market as an district level market which caters for bundi and the neighbouring towns that comes under bundi district which makes it significant on city level as well as on district level.Even if it act as a district level market the unplanned development and encroachments has led to the deterioration of the historic structures and the monuments that exist on the site and hampering the urban space .Since it is the market that reflects the image of the city and the prosperity of a town .The market plays a vital role in defining the urban space, for the city people is losing its character which is being depicted in the” LITHOGRAPHS OF BUNDI“1.Since development is an irreversible process the design should be in context with the site and the character . William H.Whyte(1980) has said”It is difficult to design a space that will not attract people.What is remarkable is how often this has been accomplished.” So it becomes important to understand the growth pattern between greens( azad park) and the indira market so that it can respond to the existing context and current condition can be improved. Masterplan 2033 of bundi “2 suggests the development of azad park . Vision of this research is to suggest the development of indira market with respect to its context.

## 1. INTRODUCTION

Indira market is the place that is situated adjacent to the fortified city of bundi. The fact that it is the major market makes it more special .The activities the traditions, usage of spaces there spatial layout, describes the public realm of a place. The success and the usage of the market can be seen and described by the footfall i.e. how frequently the place is being visited by the locals and the tourist.In terms of bundi there are two major markets ie Sadar market and indira market .Gentrification and urbanisation has led to increase in population of bundi which in turn has led to drastic effects on the markets of bundi also as the enchroachments near nagar sagar kund has been increased, the city level open space i.e Azad park has been started to use as an parking space, the rani.

Indira market faces a daily footfall of 5000 people per day which depicts the popularity and the needs that it is catering . Within indira market Azad park is situated as a open space which is currently being used as a parking space.The public realm plays a vital role in making a place habitable and lively

.The public realm of Indira market can be defined from the hawkers ,the streets that are being used as a interacting space, the shops and the movement pattern of that market.

As Jane Jacob has said”You can neither lie to a neighbourhood park, nor reason with it.Artist’s conceptions and persuasive renderings can put pictures of life into proposed neighbourhood parks or park malls and verbal rationalisation can conjure up users who ought to appreciate them but in real life only diverse surroundings have the practical power of inducing a natural ,continuing flow of life and use.”

This way the Indira markets diverse surrounding and its built vs open connection is the major reason of continuous flow .

So in this way the major role is played by parks and open spaces.Not just the green areas there planning and spatial layout is also a major part of public realm .The user group plays an important role ,the diversity that a particular space offers is also the vital part of the consideration.

## 2. ANALYSIS

By studying the layers of bundi .The fortified city, city gates, kunds and boaris of bundi ,it suggests that the indira market had been developed in 19th century .Since it is located just after the fortified city and it has two city gates in the precincts i.e chowgan gate and Meera gate the city wall which is a part of heritage is being demolished over the time from that area. The Nagar sagar kind that is part of indira market has been encroached which has led to deterioration of kunds. The movement is not pedestrian friendly .This research has been carried out in two levels .First through primary study and then through secondary study.In the primary study the information is collected from the nagar Palika office and the newspapers,Survey of India.In the secondary study the data has been collected through site visits and the site surveys which helped in studying and analysing the situation from a different perspective.

Layout of Azad park as described by Rob Krier “3 in urban space “He analyzes the typological & morphological elements of ur- ban space. Urban space can be described as external

space in town. He has seen it as open unobstructed space for movement in open air, with public, semipublic & private zones.”

The transformation of the azad park in parking lot is because of the built form of the park.

Planning plays a vital role in the green areas that is being given in the starting of the market if it has been given in the small patches and then a big space the image and the essence of commercial experience will be enhanced a lot.

Vehicular movement from inside the indira market has converted the market place that has the capability to be converted into pedestrian friendly market ,which currently is being converted into a traffic prone area which is again hampers the urban space of bundi .

The major concern that emerges here is the impact of urbanisation and urban sprawl on the indira market has led to the demolition of city wall .The transformation that is taking place and the past developments that had already been done they have considered the green space as a liability .Enchroached nagar sagar kund precincts .The traffic flow is the major issue.Azad park is being used as parking space ,On street parking.Therefore in this case the transformation has the negative impact of on its context and the adjacent historic structures.

In case of Indira market the green open spaces relationship with the market is commercial ,streets ,movement pattern and recreational activities .

Therefore a need of design consideration emerges which includes the

1. Conservation of historic structures .
2. Modern depiction of city wall.
3. Redevelopment of azad park .
4. Separate space for hawkers.
5. Free flowing pedestrian movement.

To achieve this there are 3 approaches .

### 3. APPROACH

Approach 1 -Upgradation of indira market

Approach 2- Relocation of indira market

Approach 3-Redevelopemnt of indira market

#### Approach 1

#### UPGRADATION OF INDIRA MARKET AND ITS PRECINCTS

For this have studied the built vs open relationship, activities and the built character of Indira market and the usage of open spaces from the built vs open relationship analysis it has been

observed that the total built up area is 13% and the open area is 87% out of which 34% is green area and 53% is for roads and pathways.

To improve the condition for upgradation the movement pattern of existing traffic route has been diverted and the vehicular movement has been restricted and the open space is being covered for the pedestrian movement which has led to the change in the character of the market along with that the separate place has been provided for the hawkers.The food joints that are there has been shifted to first floor and the city wall is depicted in the form of an open cafes roofs .The wall has the jharokhas which acts as the view points to see the heritage sites from the first floor.It gives the visual connectivity with the surrounding .

This approach has the advantage that the existing fabric remains same and to increase the green area the roads has been converted into green spaces with trees which create avenues and give shaded walkways .The major disadvantage of this approach is that the historic structures ie nagar sagar kund and the raniji ki boari remains unaddressed.

#### Guidelines

1. Vehicular movement should be restricted inside indira market.
2. Built up area upto first floor should be permitted so that there is a visual connectivity.
3. No shops and hawkers are to be allowed near nagar sagar kund.

#### Approach 2

If indira market is being relocated at a different place.For that there are two sites one is located near private bus stand and the other one is the old bus stand site.

In case of site near private bus stand the site is located outside the bundi due to which it may not be able to cater the whole bundi population and people will not come that much far for shopping .This has increased the travel time by 15 mins from Sadar Bazar .So site is being rejected.Second site i.e the existing bus stand site that is being proposed for relocation can be used.It has the heritage structures at distance of 200 m from the site.

For this the urban form and existing urban fabric is being studied this has given us the building heights has been studied clue that it can go upto two floors In this the site is being developed as a shopping areas with free flowing pedestrian movement and the place for hawkers. In this case the site area is of 6000 sq.m .The total built up area is 40 % .The rest is for open spaces .The completely new market with the place for hawkers and pedestrian friendly movement.But in this case also the historic structures remains unaddressed.

### Approach 3

Hence comes the third approach in which indira market is being redeveloped on the same site. For this approach the vehicular movement and the site context ,urban fabric ,building use, building height has been studied.From which it comes that for redevelopment we can go upto first floor which will be in amalgamation existing character and which will be built in less space.

In this approach the traffics being diverted from the indira market and new route has been defined which will pass from Harijan basti which is adjacent to indira market .For traffic movement the road widening will take place and to restrict the traffic flow the car parking for 200 cars and 500 bikes has been proposed which will be located at the entrance of indira market and inside the Harijan basti .The two design will have one side shops and other side hawkers .The space that is being given to shops and hawkers will be same the only difference will be that the hawkers space will have only roof without walls and space for shops will be enclosed.In this case the first floor will be terrace garden .In this way the total green area will increase and it will be 50% of the area and built up will be 20%.To cater the nagar sagar kind and raniji ki boari the avenue is made which will connect the three structures.It will have the seating spaces also.For city wall depiction the wall will be created as a green wall which will be seen from distance .It will give the visual connectivity .

This approach caters all the design considerations in this way this is my final approach.

### Recommendations

If indira market has to be developed it should be developed as a pedestrian friendly market .The vehicular routes need to be redefined so that the historic structures can be conserved for the future generation.The green area ie azad park hence can play a vital role and it can be redefined as a public open space .The impact of which will be a long term will enhance the place as well as the people of bundi will get a public space to visit.The impact of redefining the public route will be long term on the Indira market it will help in conserving the heritage structures as well as the movement will be regulated.

### 4. CONCLUSION

The presence of green space within a market makes a place more lively, user friendly, and it also helps in redefining the public realm.

### REFERENCES

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