

DESIGNING AUTONOMY

Creating loops for self-sustenance of Public Spaces of CR Park

ECONOMIC

ECOLOGICAL

SOCIAL

The design proposal aims to create Autonomy (Economic | Social + Ecological) for Public Spaces of CR Park. Autonomy - not just as a powerful/free space, but one that is independently responsible and self-sustainable in the larger system of flows. Markets being at the centre of such flows could be focal points in becoming self-supporting hubs within residential neighbourhoods like CR park. From the discussions we have had through the preparatory phase, we understand that multiple stakeholders operate, but missing synchronization.

We propose an **operational as well design framework** that channelises and connects across these different stakeholder groups than just the consumer (often called user). The proposal uses a tripartite lens to achieve this state of Public Space Autonomy : of economic, ecological and social.

The three categories here are not adopted as static discrete segments but more as fluid groups that metamorphose as the public space evolves. At this juncture, lies the crucial role of defining a tactical approach to urbanism and urban design in our cities. Our project addresses the idea of time - tactical interventions - not just through the binary of temporary and permanent. It provides solutions across **a temporal spectrum** as well of different frequencies - hourly | diurnally | circadianally | seasonally.

More than just the user!

The proposal aims to connect the bottom up initiatives of the residents; self-help groups; NGOs with the top down efforts of the State. Here, Design plays a crucial role in bridging the gap. We have tried to frame the problem from multiple perspectives. The best example is the proposal of 'rotating walls' that we have deployed as an edge condition for the market backside plaza. It allows for pedestrian movement, but restricts the flow of vendors. It serves as the much needed soft surface for the neighbourhood and hence we propose the idea of **BREATHING BANDS**.

The proposal accounts for operational as well maintenance requirements. We simulated material and money flows across these entities. The tripartite loops in our panels represents this structuring of the operational system for **more than just the consumer**. Thus, creating a new sense of community - consumers + owners + maintenance + investors + governors. This sets up a system for integrated and symbiotic development.

Contextual Adaptations

Market 02

The automobile traffic is streamlined with a designated entry and exit. It is pay & park system that would generate income for Market's maintenance. The Pedestrian walkway is dragged inside to establish connection with the market and other spaces.

The pedestrian movement seamlessly transitions into an amphitheatre towards the interior of the site. This, **Chalo Bodlai Adda**, is a Place for all - where activities like daily walks, story narration to grandchildren, to even seasonal drama shows or festivities will be celebrated. This social anchor will thus nurture safety, equity and inclusivity for all neighbourhood citizens.

The inversion of the dead service lane into a vibrant Breathing band is a reflection/extension of the idea of autonomous public spaces. The rotating walls help to open up this breathing band into the existing bustling market. This not only increases the eyes on the street, but opens up a panoramic access into the public plaza extending across the site and thereby minimising hidden/unseen areas. At the same time, the service access for fire trucks, ambulances have been kept intact or rather enhanced to serve the people.

Minimal interventions have been done in the fish market to create local water drain edges that prevents the leakage of water to the floor.

Biogas and Solar Panels have been installed as an investment for self-sustainable resources for markets that would yield healthy + economic results in the long run.

Durga Pujo Grounds

The edges of the grounds - main urban festive plaza - responds to a range of scenarios. The edge facing the BC PAL road has commercial shops - for EWS women who recycle materials and other such initiatives. On the other edge the design accommodates a queue system. We bring back the idea of rotating walls here to facilitate 2 wheeler parking in non-festive seasons and guard the visitors during the heavy festive traffic.

Junction

Adapting to the social hub, the market and park, an elevated pedestrian path connects the urban blocks away from the intersection. To compliment this, the pedestrian movement has been removed at the site edge and funnels the pedestrians into the safe elevated zone of the widened sidewalks. At the same time, the elevated pedestrian crossing prioritises the pedestrian movement by slowing the traffic.

Surface treatments have been used to enhance this movement of pedestrian. The project is drawn from the UTTIPEC Street Design Guidelines and moves beyond for a design+social intervention.

Constructing Autonomy

The project aims to create an operational framework from short term tactical urbanism that can eventually transform to long term policy considerations. Here the physical form is developed as a response to the tripartite forces and flows that create the market collectively.

The proposal puts forth archetypal solutions that are **modular as well as replicable** in the neighbourhood at large. Breathing Bands can get replicated across the neighbourhood to convert all the service lanes into **9km long of green pervious streets**. The Rotating walls are perfect examples of creating permanent structures that allow for temporary adaptations.

In short, our design proposal envisages an autonomous CR Park that can be an exemplary model of sustainable development - economically | Ecologically and Socially.

Projected Project Cost: 2.6 Cr. immediate + 2Cr. Long term collective investment



For an animated version please scan the codes.

