

## MACRO LEVEL

- DUE TO THE HARD EDGES THE CONNECTIVITY BETWEEN TWO MAJOR PART OF THE CITY ARE DEVIDED
- TO OVER COME THIS ISSUE, WE SHOULD PROVIDE SOME KIND OF CONNECTIVITY BETWEEN THE TWO
- THE WHOLE AREA IS FACING MASSIVE ISSUE UNAVAILABILITY OF TOILETS
- WE CAN PROVIDE THE TOILETS



## MESO LEVEL

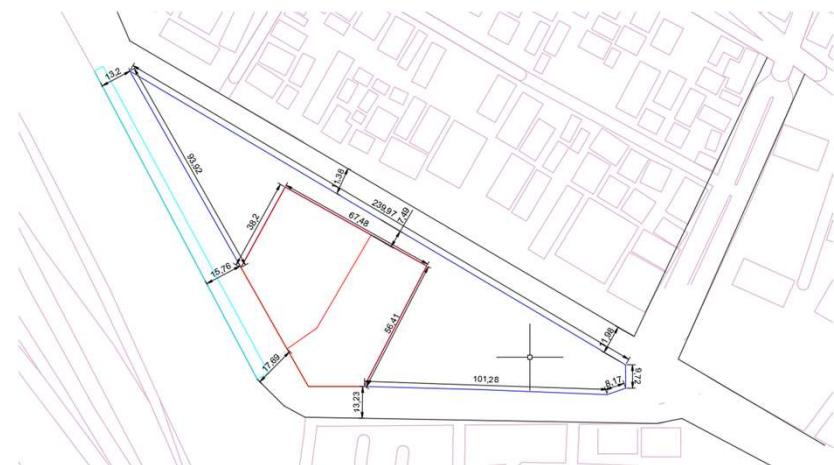
- DUE TO THE CONSTRUCTION OF THE MESH TUNNEL ON THE ROAD THE LOCAL BUSINESSES ARE EFFECTED NEGETIVELY AND THE BUYERS ARE ALSO STRUGGLING
- WE CAN RECONSTRUCT THE WHOLE ROAD SECTION THAT PROVIDE BOOTS THE LOCAL BUSINESS
- DUE TO THE FISH MARKET THE WHOLE AREA AND THE ROAD RICKS OF THE FISH SMELL AND MOST OF THE VENDORS ARE ILLIGALLY OCCUPIED AND ENCROCHED THE ROAD
- WE CAN PROVIDE THE SOME PARTICULAR SPACE TO THESE FISH MARKET VENDORS TO DO THE BUSINESS





PROPOSE SITE

AREA : 5974 SQ M



## MICRO LEVEL

- THE IS PRESENTLY IS ACTING AS THE STORAGE GROUND FOR THE MOST OF THE VENDORS AND IN FORNT OF THE ROAD THE SHOPS ARE LOACATED AND IN THE CENTER THEY STORE THEIR GOODS
- THE MOST OF THE SHOPS ARE MADEUP OF THE TIN SHEDS AND THERE IS THE URGENT NEED FOR THESE VENDOR TO A GOOD SHOPS
- THE IS THE ISSUE OF THE PARKING THERE AND A GOOD STORAGE FACILITY FOR ALL THESE VENDORS
- 

## BUILDING BY LAWS

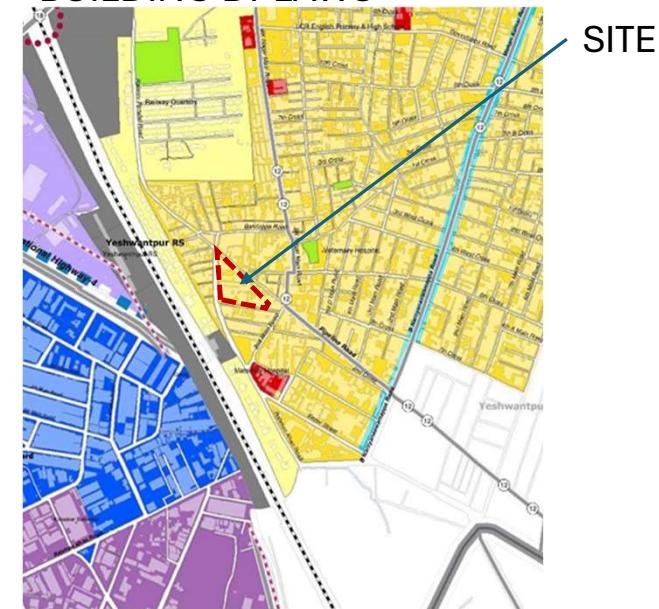
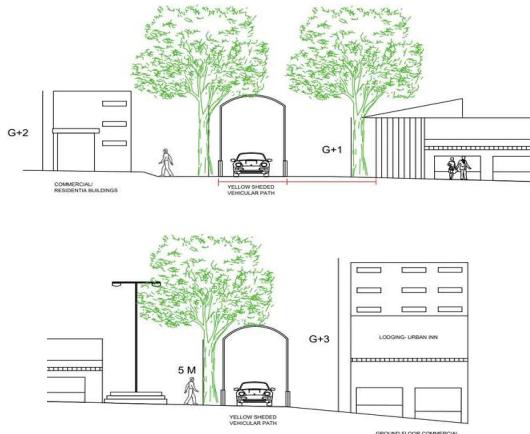


Table 12: FAR and Ground Coverage for Commercial in Planning Zone A (up to 12000 sqm)

Road width (m)	Maximum Ground Coverage	FAR		
		Base	Allowable against TDR/ any other Rules	Total Maximum allowable
Below 9.5	60%	1.20		1.20
9.5 and below 12.5	60%	1.20		1.20
12.5 and below 18.5	50%	1.50	0.50	2.00
18.5 and below 24.5	50%	1.50	0.60	2.10
24.5 and below 30.5	40%	1.50	0.75	2.25
30.5 and above	40%	1.50	0.90	2.40



## ROAD SECTION



- During the recent development a mesh tunnel was introduced in the market street for better transportation movement during Covid. This has become a drawback for the vendors as it has affected their everyday income.
- The Yeshwanthpur railway station highlights the congestion of roads, because of convergence of arrival and departure traffic because there is no seamless connectivity to the bus stand and the metro with no easy way finding.

## FACILITIES AT PRESENT

- VEGETABLE SHOPS - 29
- FISH SHOPS - 8
- CHICKEN SHOPS - 16
- WOOD SCRAP COLLECTION - 4
- POOJA GROCERIES SHOPS - 32
- ROADSIDE VEGETABLE VENDOES - 8 TO 12
- FANCY STORES AND WHOLESALE STORES - 24
- GOVERNAMENT TOILET - 1
- GOVERNAMENT DRINKING WATER FACILITIES - 1
- FLOWER SHOPS - 12
- GOODS STORAGE AT THE CENTER

## WASTE COLLECTION

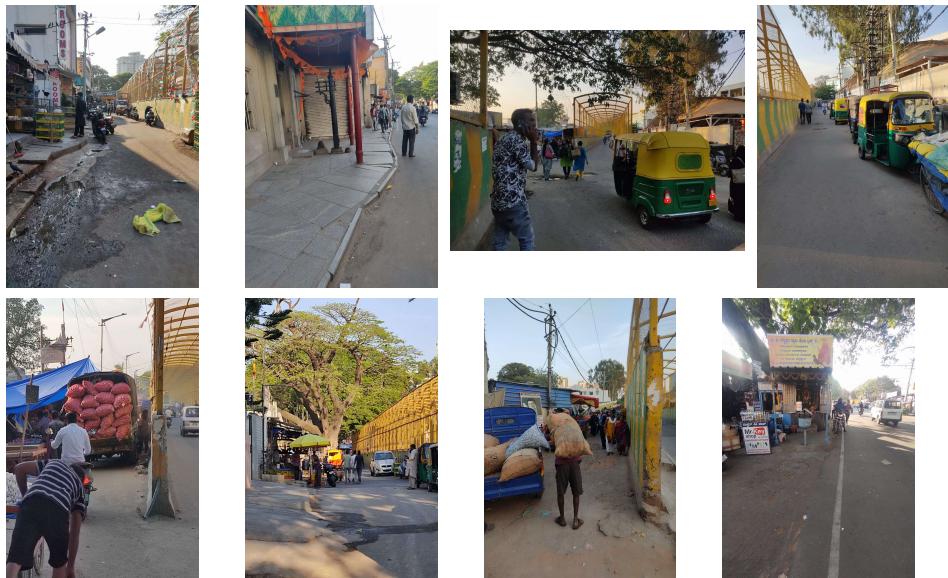


## DESIGN PROPOSAL

PROPOSAL FOR THE INTERVANTION IN THE MARKETPLACE AND RECONSTRUCTION OF THE PART OF THE MARKET AND CREATE A MARKET PLAZA

- VENDORS SHOPS
- PLAZA
- VEGETABLE SHOPS
- POOJA GROCERIES STORES
- PARKING
- STORAGE FACILITIES
- SECURITY FACILITIES
- MONITORING ROOM
- SEPARATE SHOPPING SECTION FOR THE FISH AND MEAT SHOP
- WASTE MANAGEMENT FACILITIES FOR THE MARKET
- DEVELOPMENT OF WORKSHOPS FOR WOOD WORKERS
- FLOWER VENDORS SHOPS

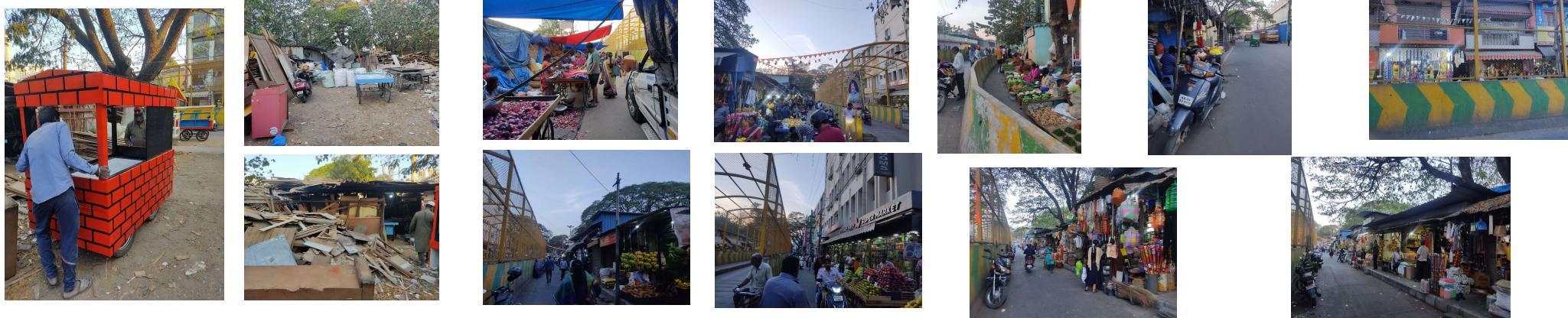
## ROAD CONDITION



## FISH MARKET SIDE IMAGES



## WOODEN SCRAP YARD



## Chicxulub Market Plaza

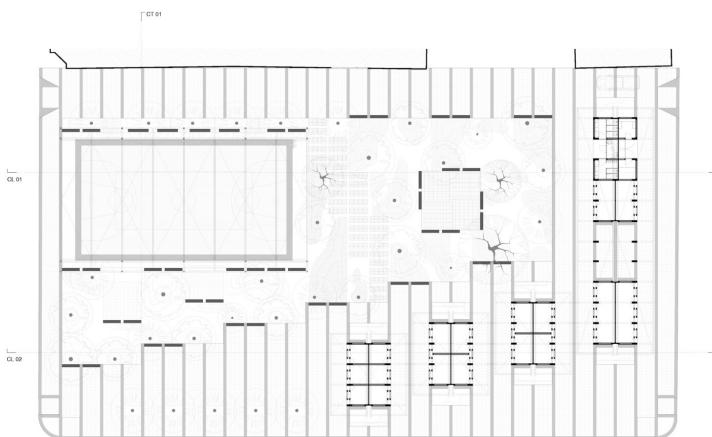
Architects: [Estudio MMX](#)

Area: [4404 m<sup>2</sup>](#)

LOCATION : Chicxulub, Yucatan, Mexico

Year: [2020](#)

- Located in a key point of the town, framed by some of the most important corridors of the locality, is the site where the [Chicxulub](#) Market Plaza takes place. The urban conditions of the site allow for connection with some of the most relevant facilities of the town, with the natural context of the peninsula, as well as with neighboring localities



PLAN

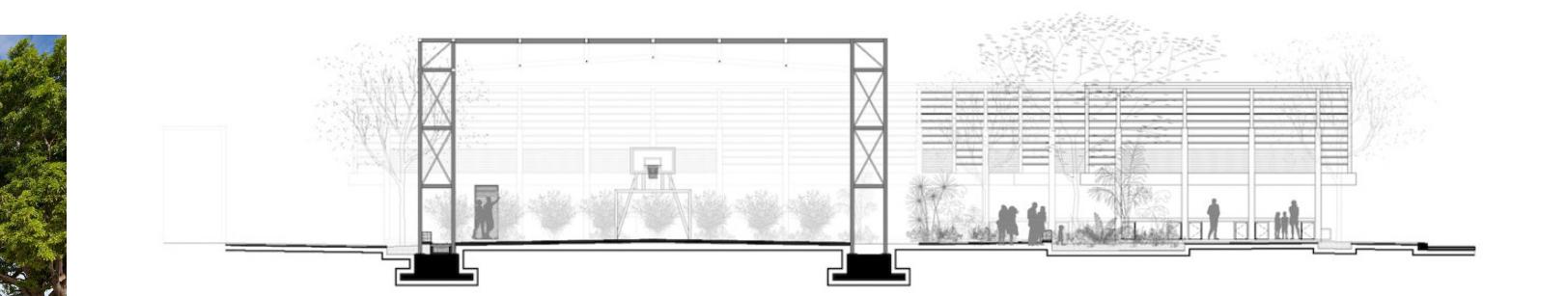


- The project for the improvement of the plaza and the construction of the market are conceived as a single project ordered by the program and its relation to open spaces. The uses of the plaza are two, and therefore the space is divided into two zones: the plaza on the north side, where the court and a vegetation and shade area are located, and the market area on the south side, where the structures of the stalls create the shadows that allow for movement and pauses. At all times, the different components are articulated with each other and with the context, through complementary and transitional open spaces.

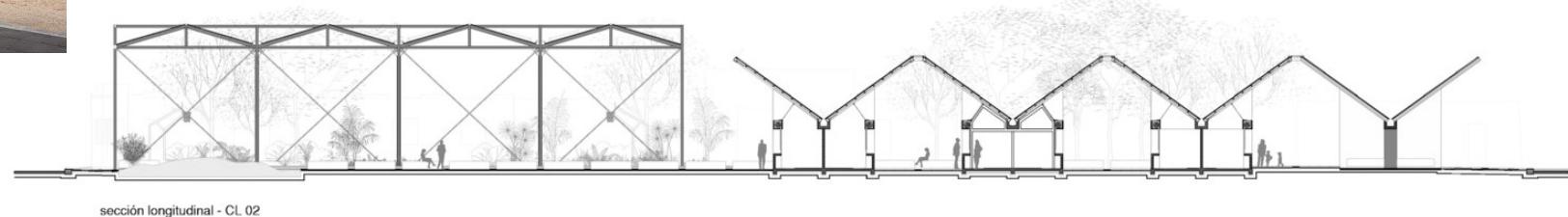




- The displacement of the volumes creates an access plaza in one of the corners of the property, which is related to the adjacent commercial fronts. At the same time, the east-west orientation of the volumes and the separation between them allows for permeability of the building between the roads that contain it and the interior and landscaped spaces of the plaza and the court.



sección transversal - CT 01



sección longitudinal - CL 02

## KOYAMBEDU MARKET

**Asia's largest market for perishables combining wholesale and retail.**  
**ARCHITECT - Ar.Kuldip Singh (Sagoo + Associates, Delhi)**

**executed by : Murali Architects Chennai**

**YEAR:1996**

**AREA: 67 acres,**

**LINKS:** stock from all over India to Koyambedu for Tamilnadu and from the sources of Tamil Nadu to other parts.

**CONNECTIVITY:** Central station via Poonamalle high road and airport

through Jawaharlal Nehru road CMBT bus terminus beside it.



### ACCESS:

Poonamalle High Road - 25m wide  
app -all vehicles  
Jawaharlal Nehru Road - 33m road -  
all vehicles  
A road - 10m road no heavy vehicle  
Kali amman koil street - 25m road all  
vechiles  
c road - e road - 20m road - all vehicles  
b road - all vehicles

Roads developed exclusively for the market, maintained out of shop rents though used by the general public for connectivity

Koyambedu market provides livelihood for around 20,000 workers out of which 11,000 are within the site

FOOTFALL/DAY: >1,00,000 HEAVY VEHICLE:>1000  
MINI TRUCK:>2500/PERDAY  
AUTO:50/<sup>21</sup> PER HOUR TWO WHEELER: 150/HOUR  
75 TWO WHEELER / PER DAY - MERCHANTS



## PLAN

### KEY

- GODOWN
- WEIGH BRIDGE
- PARKING
- HOSPITAL
- FIRE STATION
- WATER TANK
- PETROL BUNK
- POLICE BOOTH
- GARBAGE STATION
- EB OFFICE
- HALT ROOM
- COLD STORAGE
- PUMPING STATION
- BANK
- BIO METHANE PLANT
- POST OFFICE
- AAVIN BOOTH
- RO PLANT

### RETAIL CIRCULATION:

PEDESTRIAN AND TRICYCLES MOVE THE RETAIL SPACE. THE FLOWER MARKET TAKES THE PEDESTRIAN TO BOTH INTER CONNECTED WHOLESALe AND RETAIL ZONES, THE VEGETABLE AND FRUIT MARKETS HAVE NARROW STREET LIKE CORRIDORS TO KEEP PEOPLE MOVING CONTINUOUSLY.

### THE EXPERIENCE GET NARROWER FROM WHOLE SALE TO RETAIL AS WHOLESALE NEEDS LARGE VEHICULAR ACCESS.

There is a entry inbetween for common people to buy both vegetables and fruits ( meetin of retail sections)

The whole sale faces away from each other having an introverted planning with focus on truckbays  
ONLY PEDESTRIAN 1.5m wide  
pedestrians and cycles - 2.5m wide 4am-10am, 6pm-10pm (only retail)

TRUCK CIRCULATION - 12pm - 9am

If is such that the movement in main roads are one way.

truck bay 12m, truck drive one way 11m

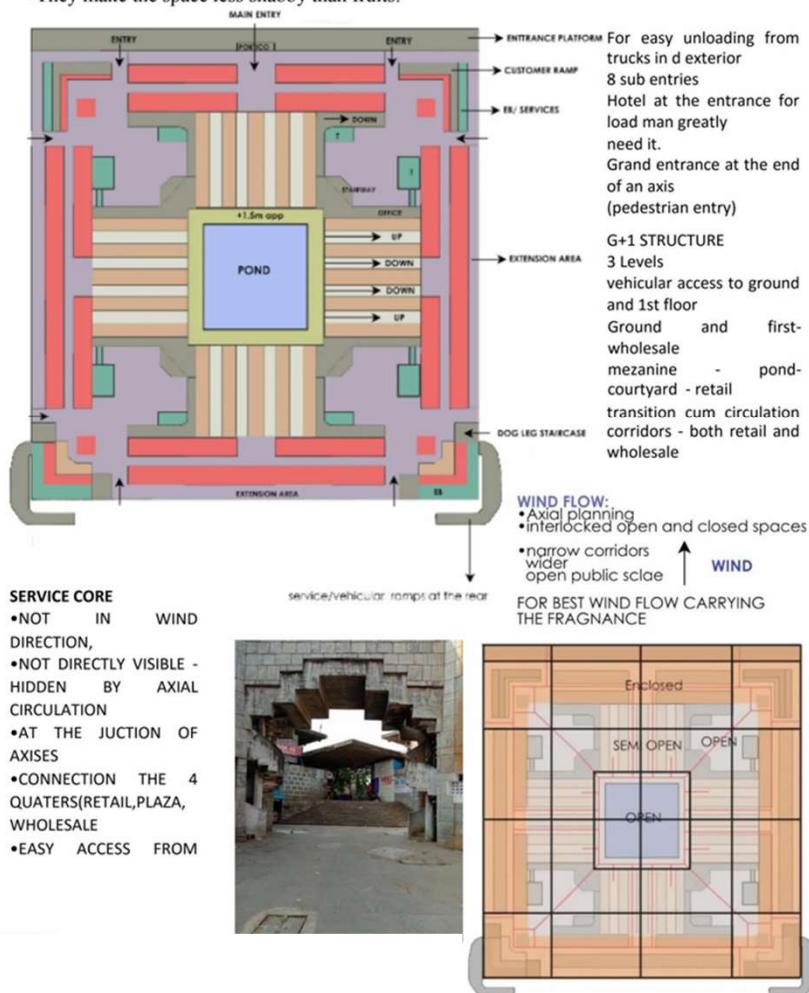
retail 2way 12m

Garbage is thrown at a different side. It moves along with pedestrian circulation and is carried to the yard.



## FLOWER MARKET

- Flowers are light and hence carrying is easy. Their fragrance welcomes people,
- Mostly flowers come from Bangalore and north India while indigenous varieties are predominantly from Madurai surroundings
- Flowers need water to be maintained unlike fruits.
- They make the space less shabby than fruits.



## FACILITIES IN KOYAMBEDU MARKET

FACILITY	AREA sqm	NUMBER	USE	STATUS	LOCATION
WEIGH BRIDGE	420-650	2	INCOMING GOODS WEIGHING	1 IN USE	INCOMING ROADS OF TRUCK
PETROL BUNK	400-870	1	PUBLIC USE	IN USE	NEAR PARKING YARDS
WATER TANK	400	2	SUPPLY FOR MARKET	NOT MAINTAINED	SERVICES SIDE
WATER PUMPING	800	1	FLOOD WATER		SERVICES SIDE
PARKING YARDS	760-1630	2	LORRY FOR WAITING HOURS	IN USE	EASY ACCES TO MAIN CIRCULATION
GODOWNS	85 sqm modules	17	GOODS STORAGE	CONVERTED TO SHOPS	CONNECTING RETAIL AND WHOLESALE
REFRESHMENTS	60 VARIES	8	PRIVATE	IN USE	NODES & ENTRANCE
COLD STORAGE	170	1	TANFED	IN USE	SERVICES SIDE
BIO MATHATION	480	1	WASTE-ELECTRICITY	IN USE	SERVICES SIDE
GARBAGE TRANSFER STATION	1890	1	SEGREGATION AND TRANSFER TO DUMPYARD	IN USE	SERVICES SIDE
EB ROOM	52	3 OFFICE 1	PART SUPPLY AND ADMIN OFFICE	IN USE	SERVICES SIDE
FIRE STATION	703	1	EMERGENCY RESCUE	IN USE	MAIN ROAD ACCESS
ADMIN OFFICE	TO BE CALCULATED	1	MANAGEMENT	IN USE	FACILITIES AREA/NODES
POLICE BOOTH	75-110	1 STATION 2 BOOTHS	SOTING PROBLEMS AND SECURITY	IN USE	FACILITIES AREA/NODES
CLINIC	65	1	EMERGENCY TREATMENT	NOT EFFICIENT	FACILITIES AREA/NODES
BANK	65	2	EXCLUSIVE LOANS	IN USE	FACILITIES AREA/NODES
RESTROOMS	BY STANDARDS	160	DIFFERENT KINDS	IN USE	FACILITIES AREA/NODES
NIGHT SHELTER	125	1	LABOURERS' STAY	NOT MAINTAINED	SERVICES SIDE
SUMP	5,00,000L	1	WATER STORAGE	IN USE	SERVICES SIDE
R.O. PLANT	65min	3	WATER TREATMENT	IN USE	SERVICES SIDE
POST OFFICE	90	1	LEGAL POSTAL COMMUNICATIONS	IN USE	FACILITIES AREA/NODES

## PHOTOS – CASE STUDY - KOYAMBEDU



FLOWER MARKET COLUMNS  
FORMING THE MOVEMENT GRID



VENDORS PARKING CLOSE TO  
SHOPS – UNORGANISED  
LEVELS TO SEGREGATE TRACKS



Gable for future expansion  
Considerable cattle movement  
Different Shop modules – transition spaces maximum-  
Shops in 1<sup>st</sup> floor not preferred

INTRICATE – FLORAL  
CARVING ON THE CEILING  
– WITH EMBEDDED  
ELECTRICAL FACILITY



Toilets at  
nodes and  
focus soiling  
user  
experience  
Garbage  
circulation  
along user  
circulation

