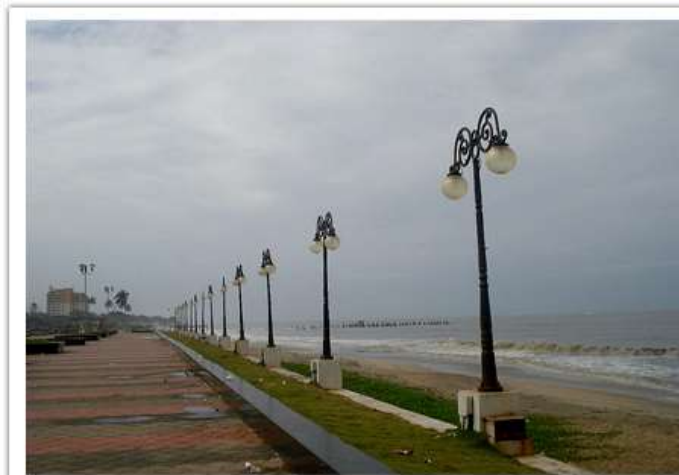# Kozhikode Municipal Corporation

Maloorkunnu Colony

Maloorkunnu colony

Kozhikode city- Profile

▶ Kozhikode Municipal Corporation area : 118.312 Sq.KM.

▶ Thaluk   : Kozhikode

▶ Villages   : 14

▶ Electoral wards   :75

▶ Population   :609224

       ▶ Male   :291252

       ▶ Female   :317972

▶ Total slum population in the city   :51365 (8.43%)

Slum profile of the city

- **Total number of listed slums in the city – 75**
- **Total Area of slums in Acre - 133.73**
- **Density – 211-525/Acre**
- **SFCPoA - interim report prepared**

- No proper access.
- More than 60 % of the houses are semi-pucca.
- Intermittent water supply is mostly from public water supply taps.
- Lacks proper drainage
- Frequent water logging.
- No open spaces/community space in clusters .
- No community/entertainment facilities for women.
- No permanent source of income.

Details of the cluster proposed for intervention

▶ Name of the cluster   : Maloorkunnu

▶ Area of the cluster   : 0.64 acres

▶ Number of families   : 46

▶ Total Population   : 179

  ▶Male   : 81

  ▶Female   : 98

▶Density   : 279/Acre

Tenure status

Characteristics of Property	No of houses	%
Patta Land	26	57
Possession certificate	20	43
Total	46	100

Structure type

Structure type	No of DUs	%
Pucca	15	32
Semi – pucca	27	59
Kutccha	4	9
Total	46	100.0

Housing Type

- Pucca
- Semi – pucca
- Kutccha

9%
32%
59%
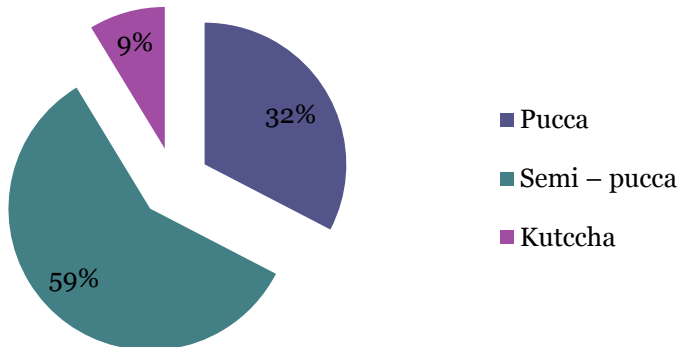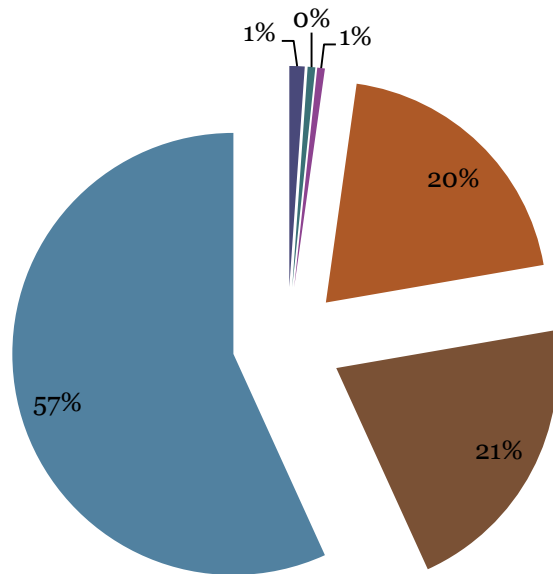
Livelihood profile of the slum

Employment Status

- Self employed
- Salaried
- Permanent income
- Wage employed
- Others
- Unemployed

Water Source

Legend:
- Tap in the courtyard
- Well in the courtyard
- Tap outside the courtyard
- Bore well / hand pump outside the courtyard
- Well outside the courtyard

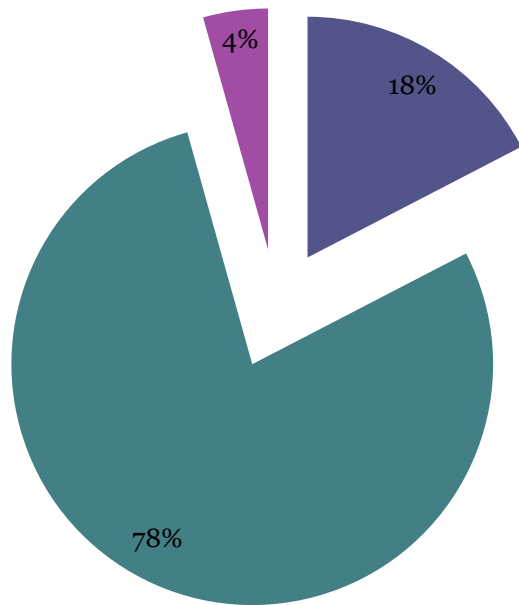Values shown: 80%, 2%, 12%, 2%, 2%, 2%

Toilet facility

- 18%
- 4%
- 78%
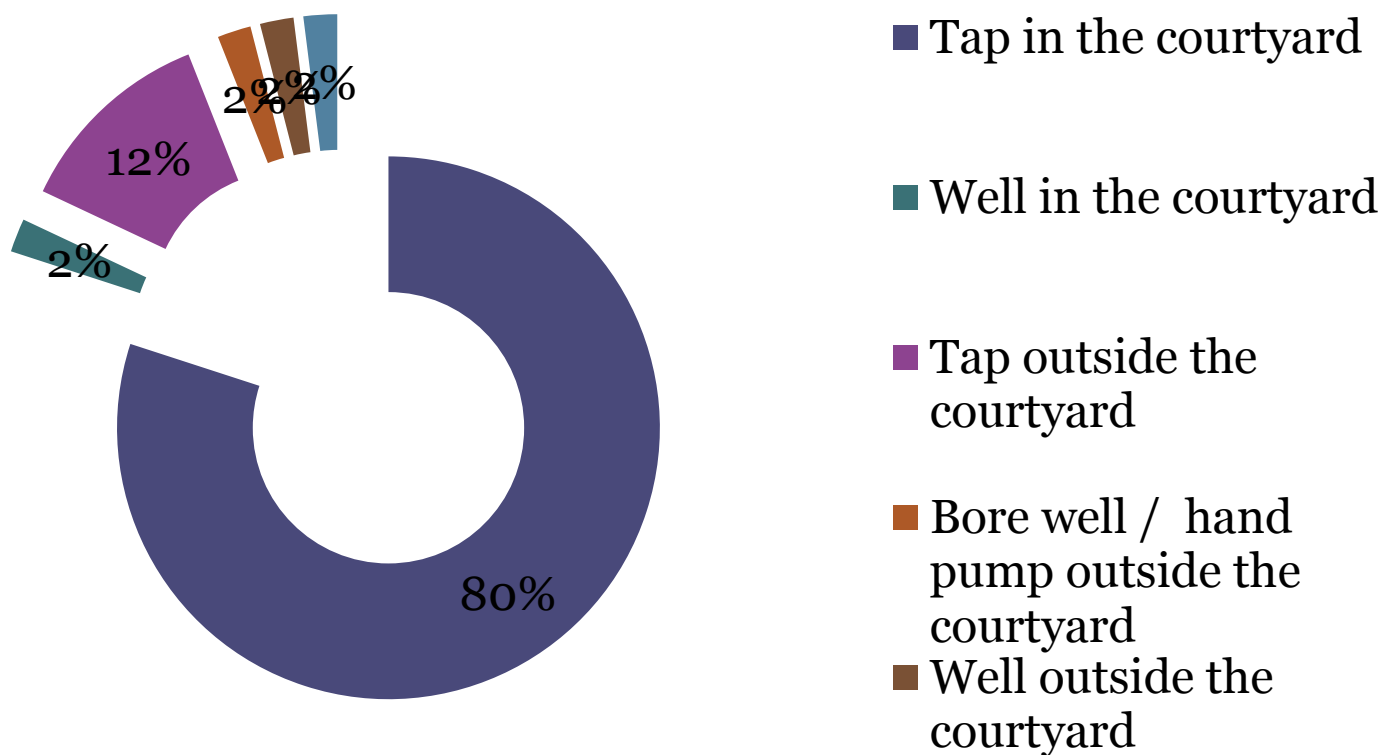
- Inside the house
- Outside house
- Public toilet

Infrastructure Profile

- ## Waste Management
  - No provision for collection and disposal of Solid Waste
  - No proper drains.
- ## EDUCATION
  - Primary School nearby
  - high school and law college in the nearby area
- ## HEALTH
  - Kozhikode Medical college, 2 private hospitals are nearby.
  - Primary health centers with in 1 km.
- ## COMMUNITY INFRASTRUCTURE
  - A community hall in the slum area
- ## ROAD ACCESS
  - Wide approach to slum, but no proper access inside

Participatory planning and approach

8 mandatory stages are followed in planning under RAY

- ➢ **Pre – survey interaction**

- ➢ **During survey**

- ➢ **Data dissemination**

- ➢ **Meeting during SFCPoA planning**

- ➢ **Micro planning**

- ➢ **DPR community vetting**

- ➢ **Meeting after approval of DPR**

- ➢ **During implementation and post implementation**

Pre- survey, and survey data dissemination meeting

Micro planning at community level

KUDUMBASHREE

Project summary

Site analysis

- ✓ The cluster is near to Maloorkunnu Housing Colony

- ✓ It is non hazardous and tenable area

SITE BOUNDARY

ROAD

CONCRETE PATHWAY

PUCCA HOUSE

SEMI-PUCCA HOUSE

KATCHA HOUSE

COMMUNITY HALL

LAND & DEMOGRAPHY		LANDUSE		DWELLING UNITS		INFRASTRUCTURE	
AREA	- 0.64 acres	Residential Land	- 64 %	Pucca DUs	- 4	Water	- water connection present in every house
Population	- 85	Roads	- 11 %	Semi-Pucca DUs	- 8		
No of DUs	- 28	Pathways	- 4 %	Kutcha DUs	- 16	Electricity	- Power Connection exists
Population Density	- 328/Ha	Social Infra	- 3 %			Sewage	- Septic tanks present for all
DU Density	- 112/Ha	Vacant Land	- 18 %			Drainage	- Under the paths
Existing FAR	- 0.35						

LAND & DEMOGRAPHY		LANDUSE		DWELLING UNITS		INFRASTRUCTURE	
AREA	- 0.64 acres (9117 sqmt)	Residential Land Roads	- 64 % - 11 %	DUs with No changes Maintenence DUs	- 4 - 8	Drainage	- New Drainage Lines
Population	- 85	Pathways	- 4 %				
No of DUs	- 36	Social Infra	- 3 %	Type A (G- 1 DU in each unit	- 15		
Population Density	- 328/Ha	Vacant Land	- 18 %				
DU Density	- 139/Ha			Type B (G+1- 2 DUs in each unit)- 9			
Achieved FAR	- 0.38						

Legend:
- - - - SITE BOUNDARY
ROAD
CONCRETE PATH
HOUSES WITH NO CHANGE
HOUSES NEEDING MAINTENENCE
TYPE A
TYPE B
------- PROPOSED WATER CONNECTION LINES (75mm dia)
------- PROPOSED DRAINAGE LINES (0.45m x 0.45m)

Housing design -Type
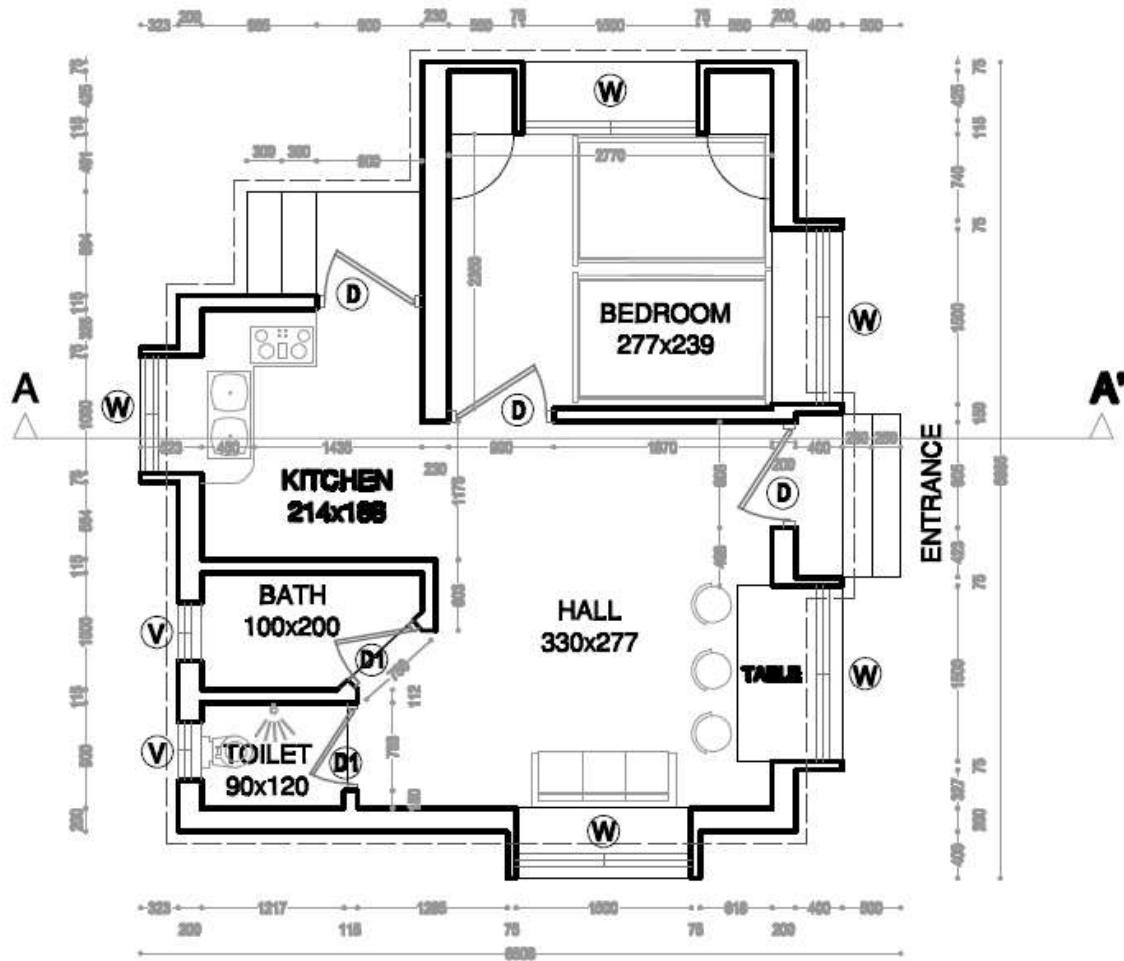
GROUND FLOOR PLAN

Bedroom – 7.61 m^2
Multipurpose room
            -   10.14m^2
Kitchen   - 4.54 m^2
Bathroom – 1.85 m^2
Toilet   -   1.08 m^2
Total area – 25.22 m^2
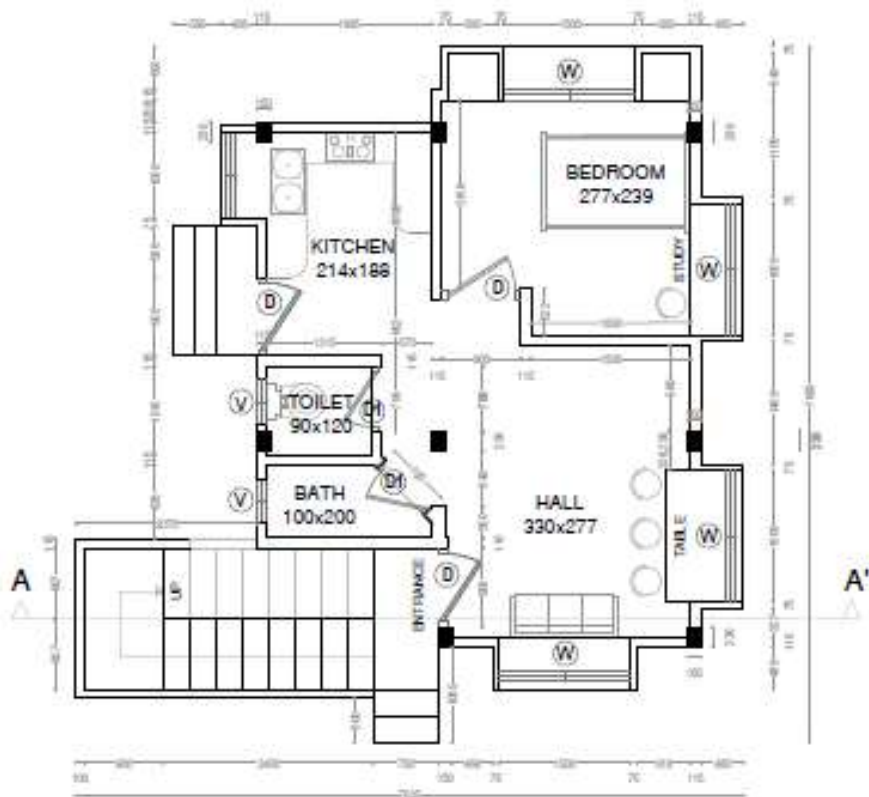
Ground Floor
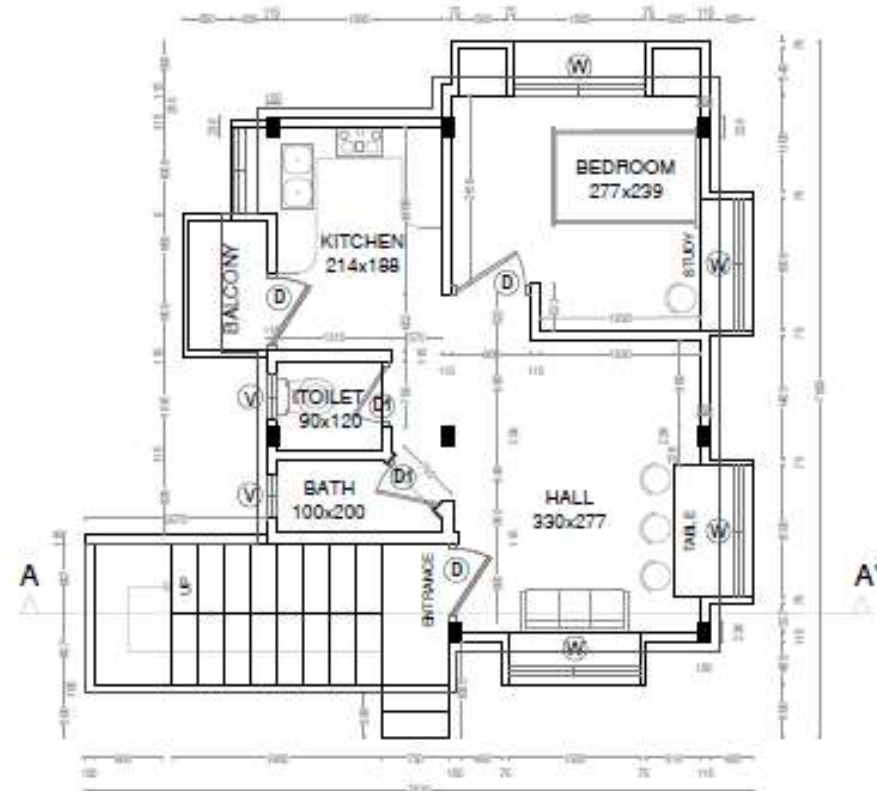
First Floor

Bedroom – 7.61 m^2
Multipurpose room
              - 10.14m^2
Kitchen   - 4.54 m^2
Bathroom – 1.85 m^2
Toilet   -   1.08 m^2
Total area – 25.22 m^2

Project summary

*Amount shown in lakhs

Component	no. of units	unit cost*	Total cost*	GoI Share*	GoK share*	ULB share*	Ben. share*
Housing							
New – Type A	15	4.24	63. 56	28.13	19.10	9.88	6.45
New type B	18	6.97	62.74	31.37	18.82	5.93	6.62
Up-gradation – toilet addition	3	0.49	1.47	0.74	0.27		0.47
Up-gradation – others	8	0.97	7.75	0.00	2.33	4.95	0.48

Beneficiary share G.O

Beneficiary share Maloorkunnu

Component	no. of units	unit cost	Total cost*	GoI Share*	GoK share*	ULB share*
Infrastructure						
Pedestrian path interlocking	400m	0.22	8.80	4.40	2.64	1.76
Re-tarring – 3 mtr width	240 m	0.10	2.41	1.21	0.72	0.48
House hold water supply line	488 m	652/m	3.18	1.59	0.95	0.64
Covered drain	(0.45*0.45m)	0.036	9.96	4.98	2.99	1.99
Bio gas plan	10 m³	0.802	0.80	0.40	0.24	0.16
Street lighting	10 no.s	0.22	2.20	1.10	0.66	0.44
Indvl Septic Tank (1.75m*1.5m *1.5m)	36	0.25	8.96	4.48	2.69	1.79
Anganwadi	1	8.25	8.25	4.13	2.48	1.65
Total			44.56	22.28	13.37	8.91

Cost Summary

* in lakhs

Component	Total cost*	GoI Share*	GoK share*	ULB share*	Ben. share*
Housing	135.6	60.23	40.51	20.86	14.02
Infra	44.56	22.28	13.37	8.91	
Sub Total	180.18	82.51	53.88	29.77	14.02
O&M Cost	7.21	3.6	2.16	1.44	
Total	187.39	86.11	56.04	31.21	14.02

Implementation strategy

Through Municipal Corporation or through SPV, proposed time period for project implementation is 12 months.

Activity	1	2	3	4	5	6	7	8	9	10	11	12
Technical Sanction for DPR	■											
Construction of new Houses	■	■	■	■	■	■	■	■				
Maintenance works	■	■	■	■	■	■	■	■				
Tendering of common works		■										
Issuring work order			■									
Completion of common works like Road, Drainage			■	■	■	■	■	■	■	■	■	
Post Construction inspection and Reporting												■

Quality control / O&M

Quality control

•By an engineering team

•Third party quality control and monitoring agency will check the work

O & M

- 4% of the cost is earmarked for O&M

- 6.74 lakh is proposed for O&M

- Cluster development committee formed among the slum dwellers for the maintenance of infrastructure.

The contributors of the project

Sl. No.	Activities	Carried out by
1	SE survey	RAY CLTC & CDC members from the cluster
2	Community meetings	RAY CLTC & CDC
3	Micro planning	RAY CLTC & CDC
4	DPR preparation	Consultant – Voyants Solutions

THANK YOU