

RAJIV AWAS YOJANA

Detailed Project Report
Thrissur, Kozhikkode Municipal Corporation
Kerala

Presentation before CS & MC

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& PO, Kudumbashree (SLNA)
Govt. of Kerala

Thrissur Municipal Corporation

Nellankara Laksham veedu, Harijan Colony



Nellankkara lakshamveed, Harijan colony



Thrissur Municipal Corporation

Boundary



Thrissur - Profile



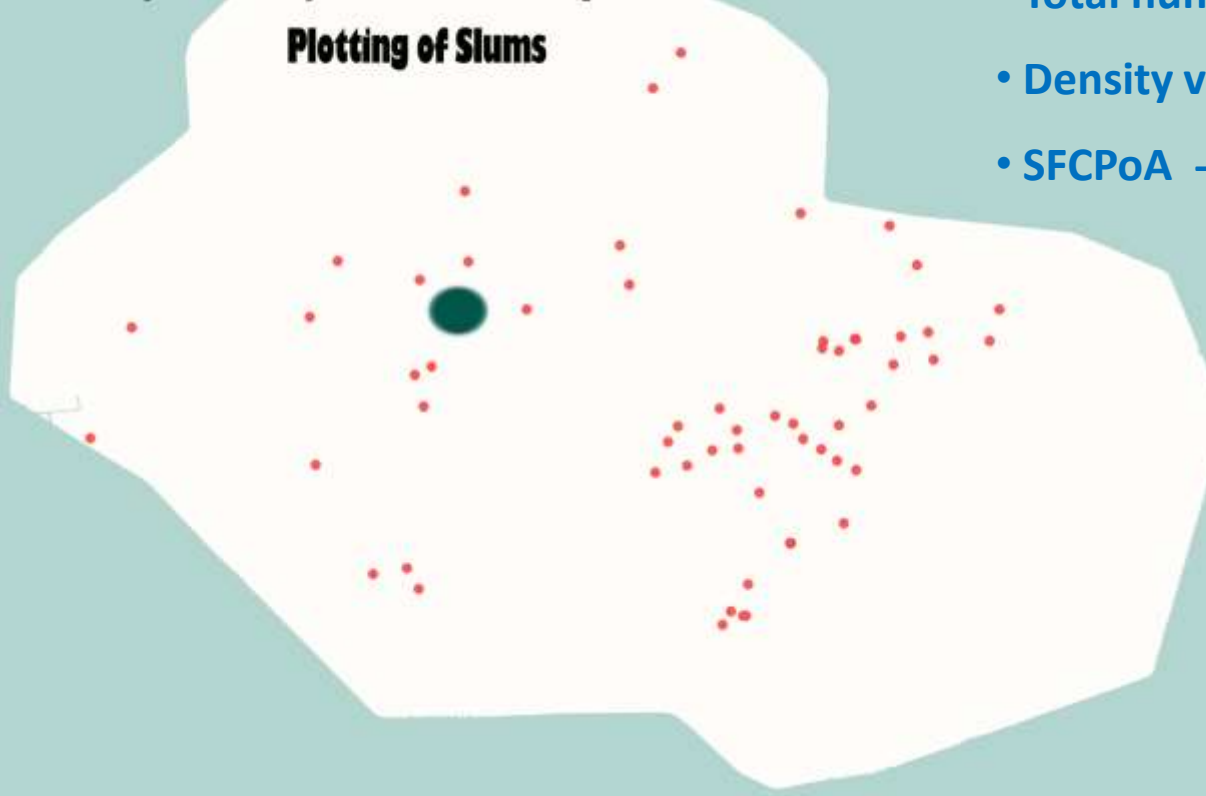
State/District	Area (in Sqkm)	Total population*	Density (persons /sqkm)
Kerala	38,863	33,387,677	859
Thrissur MC	101.42	3,25,474	3209

*Population as per 2011 Census



Rajiv Awas Yojana - Thrissur Corporation -

Plotting of Slums



- Total number of listed slums in the city – **56**
- Density varies from 200 – 600 per acre
- SFCPoA - interim report prepared

Thrissur Slum Profile

The common features of Slums in the city

- No proper access.
- **70 %** of the houses are semi-pucca.
- Intermittent water supply is mostly from public water supply taps.
- Lack proper drainage
- No open spaces/community space in clusters .
- No permanent source of income

Cast wise distribution of Slum Population in Thrissur UA

	Male	Female	Total	Percentage
General	2503	2455	4958	40
SC	2026	1701	3727	29
ST	124	78	202	2
OBC	1809	1751	3560	29
Total	6462	5985	12447	

Details of the cluster proposed for intervention

- Name of the cluster: *Nellankkara lakshamveed & harijan colony*
- Area of the cluster : **1.3 acres**
- Number of families : **67 HH**
- Total Population : **273 persons**
- Density : **210/Acre**

Nellankara – A Google View



Nellankkara colony

- **Cluster age is more than 50years**
- **Twin houses with kutchha walls**
- **Mostly SC population**
- **HH with pit latrines**
- **Uncovered drains spreads mosquito menace**
- **Casual labourers**



Demographic profile

Indicators	Male	Female	Total
Population	122	151	273
Literacy (%)	95	84	89
No of HH	67 households		
Area of slum	1.3 Acre		
Density	210persons/acre		



Tenure status

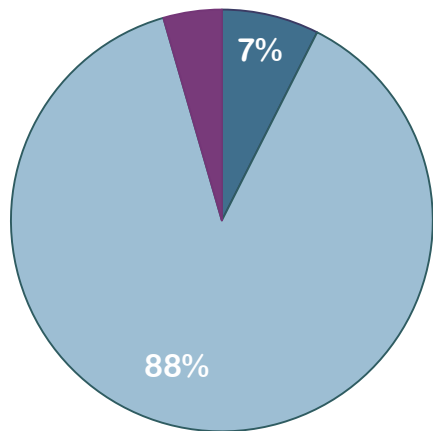
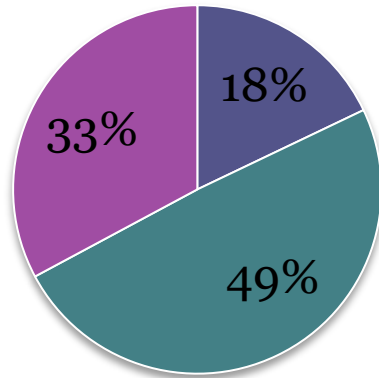
Sl no	Type	No Households	Percentage (%)
1	Patta	47	70
2	Possession certificate	20	30
3	Total	67	100



Housing profile

Type of Housing

- Kutcha
- Semi Pucca
- Pucca



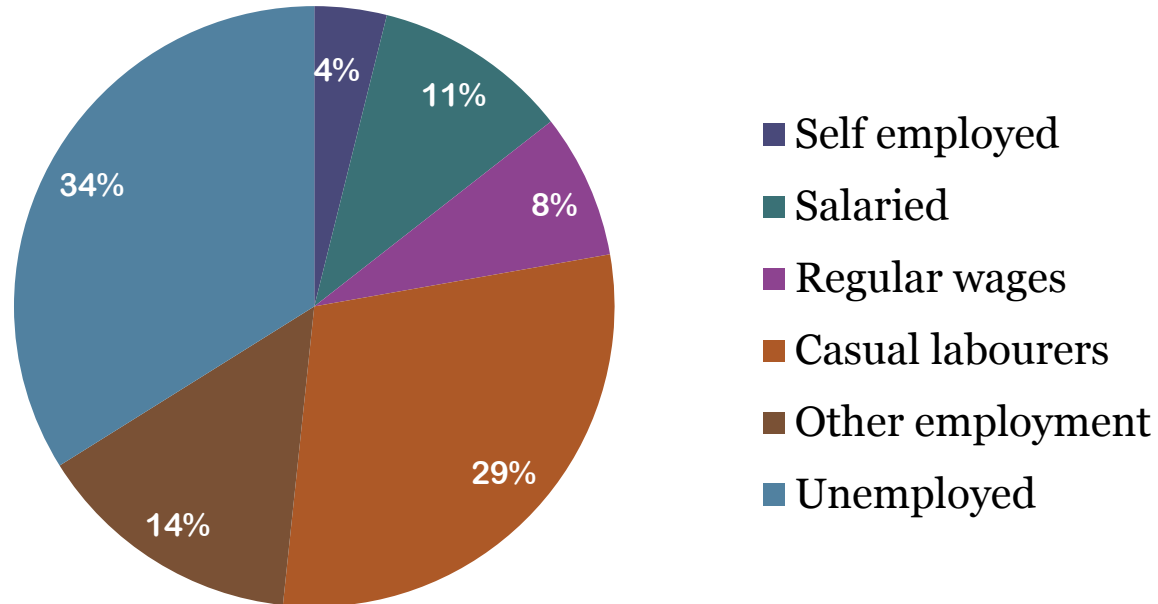
Roof type

- Asbestos
- Tiles
- Concrete

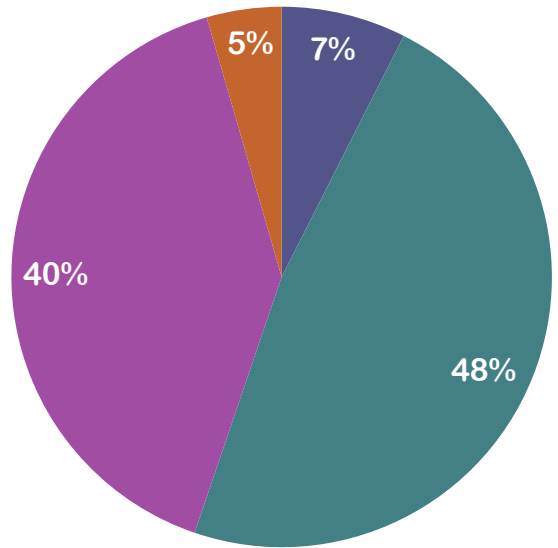


Livelihood profile of the slum

Livelihood profile



Source of drinking water

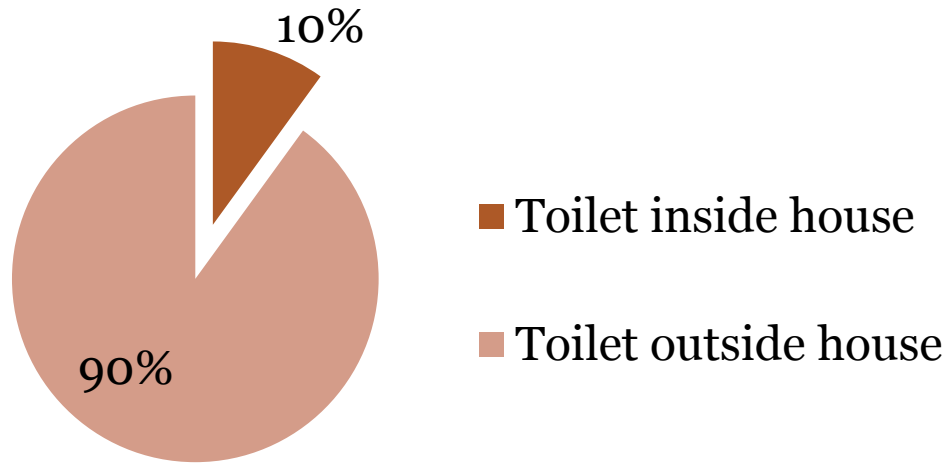


- Within premises-tap
- Within premises-open well
- Outside premises - Public tap
- Outside premises-open well

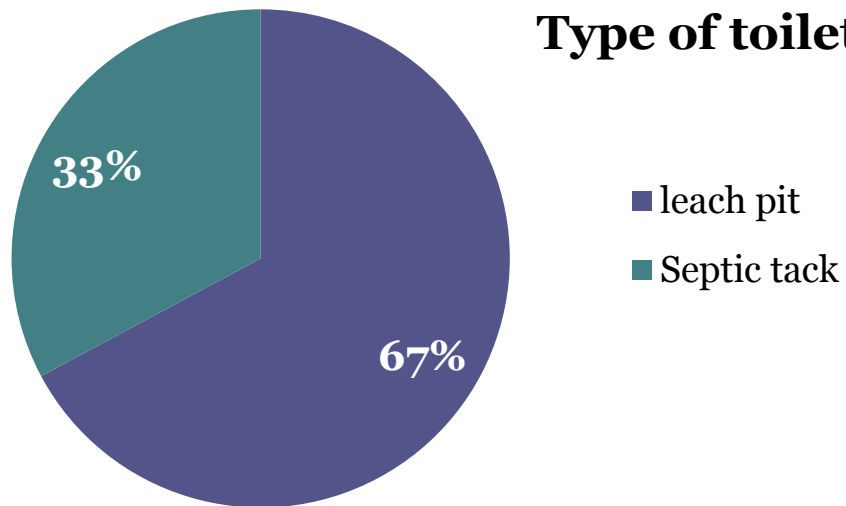


Toilet facility

Toilet facility



Type of toilet



Infrastructure facilities

Road access

- Wide access road to the colony
- Internal roads are motorable - narrow



Drainage

- Partially open
- Partially connected to main drain



Waste management

- Degradable waste are treated by the HH in their own compound like pipe compost and non degradable waste is collected by Municipal Corporation



Social Infrastructure

Education

- An ICDS anganwadi is located within the slum area.
- Private school, Govt school and colleges are located within 5 km distance

Health facility

- A Govt hospital, PHC, private clinic, homeopathic clinic and Ayurveda doctor etc are available within 5Km distance.

Community infrastructure

- A Library building is there within the slum
- Privately managed community facilities nearby
- Railway station and bus stations nearby
- One small temple is situating inside the slum



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**





Socio Economic Survey





Pre- survey, and
survey data
dissemination
meeting

Micro
planning at
community
level



Physical characteristics of the slum

Sl no	Indicator	Description	Remarks
1	Dwelling unit	65	67 families
2	Kutcha dwelling unit	12	Need to be replaced
3	Semi pucca	33	Needs improvement
4	Water supply	Not regular	Well is available which dried up in summer
5	Electricity connection	Authorised	Legal connection
6	Roads and pathways	Available	Semi pucca road
7	Toilet & bathing space	Available	Pit latrine
8	Community centres	Available	Anganwaadi & library

Project summary



Site analysis

- **Location- near Altharakkavu Sastha Bhagavathy Temple which is within the city and is surrounded by residential land use**
- **The slum is located in non-hazardous area and is tenable**



Existing layout



- EXISTING PUCCA DU
- EXISTING SEMI-PUCCA DU
- EXISTING KATCHA DU
- EXISTING DRAIN
- EXISTING FOOTPATH
- SITE BOUNDARY
- EXISTING TARRED ROAD

Nellankara harijan colony




Pucca House	- 13
Maintenance	- 25
Katcha	- 4
TOTAL	- 42

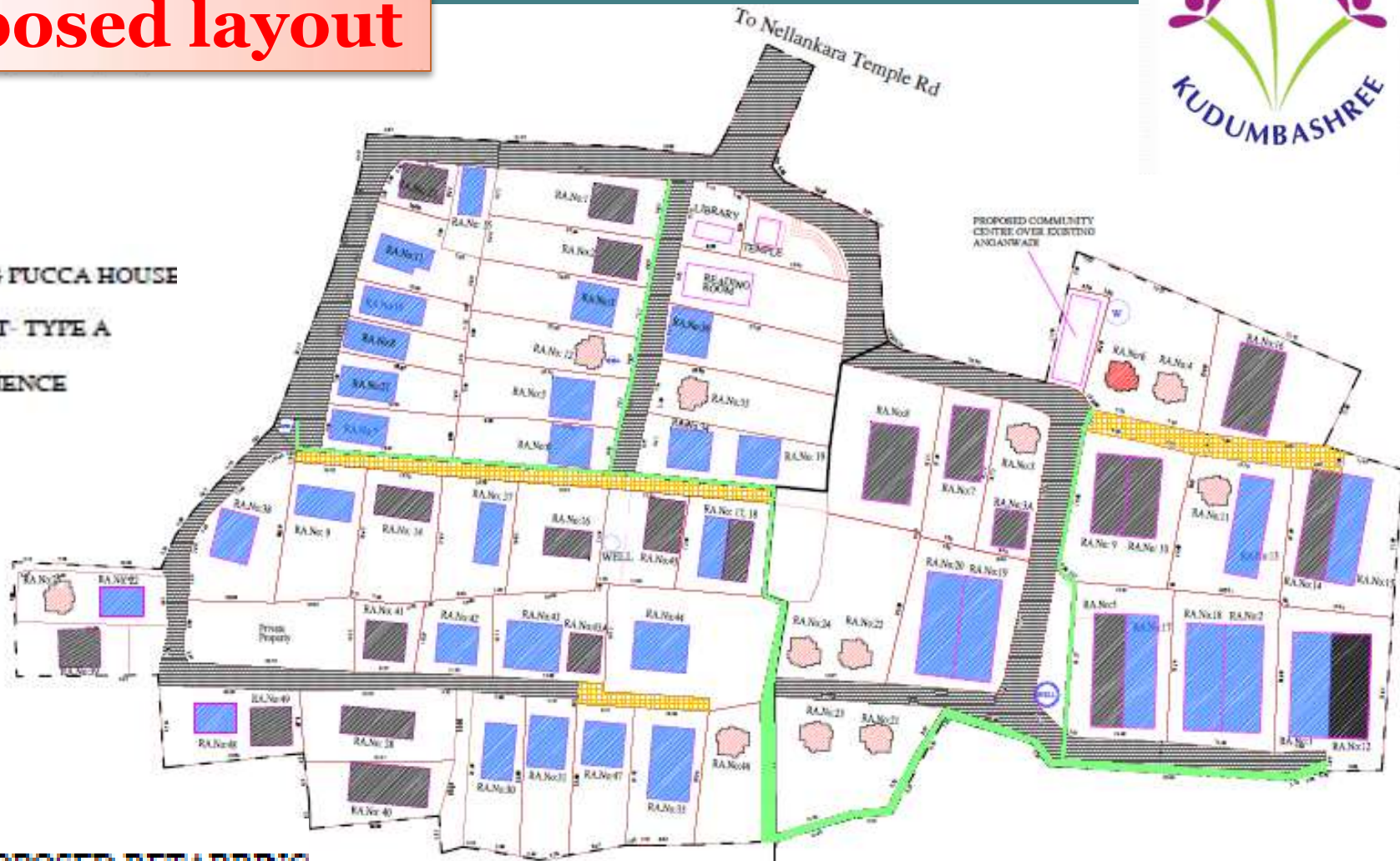
Nellankara Lakshamveedu

Pucca House	- 9
Maintenance	- 8
Katcha	- 8
TOTAL	- 25

Proposed layout



-  EXISTING PUCCA HOUSE
-  NEW UNIT- TYPE A
-  MAINTENANCE



 PROPOSED RETARRING

 SITE BOUNDARY

 EXISTING DRAIN

 EXISTING FOOTPATH

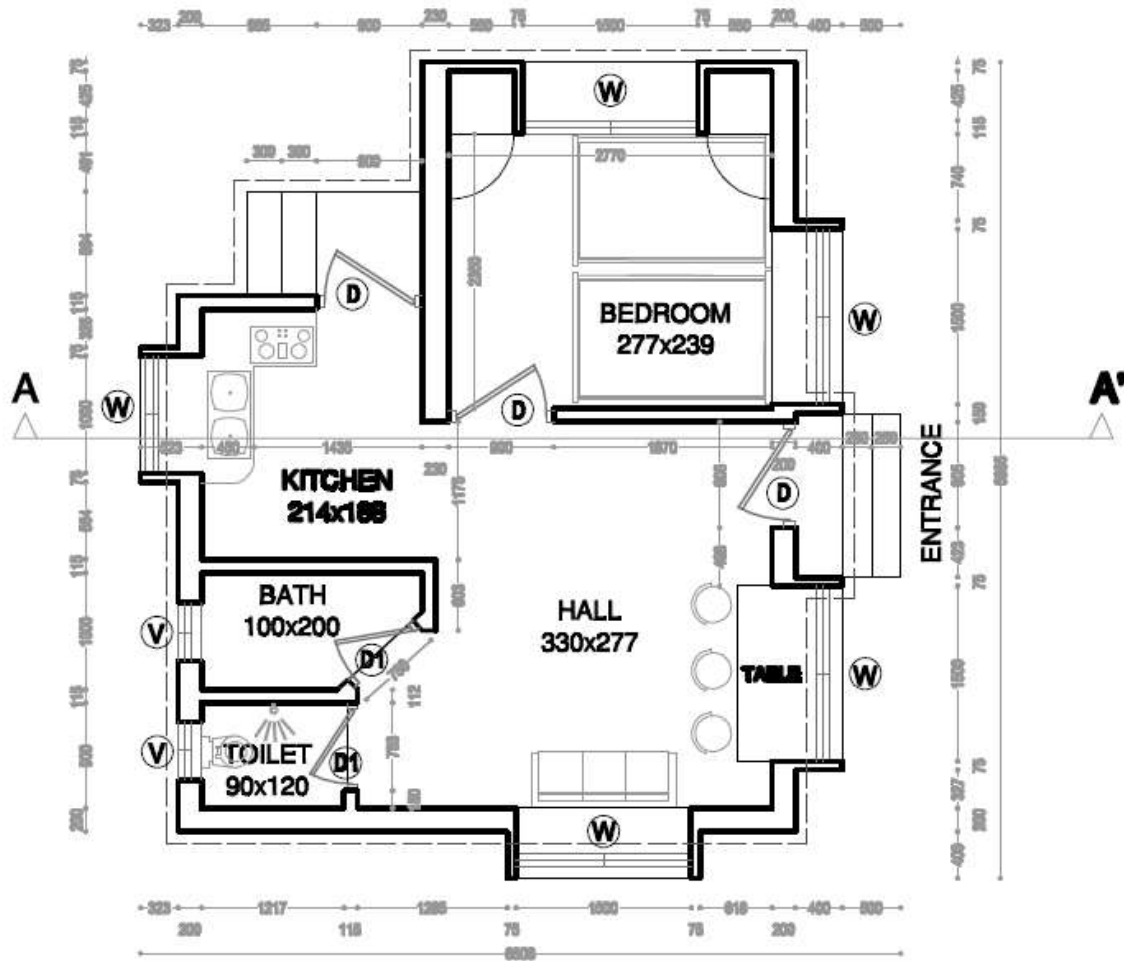
Nellankara harijan colony

Pucca House	- 13
Maintenance	- 25
TYPE A	- 4
TOTAL	- 42

Nellankara Lakshamvedu

Pucca House	- 9
Maintenance	- 8
TYPE A	- 8
TOTAL	- 25

Housing design -Type



GROUND FLOOR PLAN

- Bedroom – 7.61 m²
- Multipurpose room
- 10.14m²
- Kitchen - 4.54 m²
- Bathroom – 1.85 m²
- Toilet - 1.08 m²
- Total area – 25.22 m²**

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	12	4.20	50.46	27	8.81	8.81	5.85
Up-gradation – toilet addition	18	0.478	8.62	6.46	0.57	0.57	1.02
Up-gradation – others	33	1.52	50.47	0.00	22.31	22.31	5.85

Beneficiary share G.O

Beneficiary share Nellankara

*Amount shown in lakhs

Component	no. of units	unit cost(in Rs.)	Total cost*	GoI Share*	GoK share*	ULB share*
Infrastructure						
Pedestrian path interlocking	370M ²	704	2.60	0.91	0.847	0.847
Re-tarring – 5 mtr width	340 m	1532	5.21	1.81	1.699	1.699
House hold water supply line	990 m	676	6.69	2.33	2.181	2.181
Covered storm water drain	140 m	3750	5.25	1.83	1.71	1.71
Street light	22 no.s	22000	4.84	1.68	1.58	1.58
Invdl. Septic tank	30no.s	24838	7.45	2.59	2.43	2.43

Cost Summary

Component	Total cost*	GoI Share*	GoK share*	ULB share*	Ben. share*
Housing	109.56	33.46	31.69	31.69	12.72
Infra	32.05	11.15	10.45	10.45	
Sub Total	141.61	44.61	42.14	42.14	12.72
O&M Cost	5.6644	4.24	0.8461	0.57	
Total	147.27	48.86	42.986	42.71	12.72

Implementation strategy

Through Municipal Corporation or through SPV, proposed time period for project implementation is 18 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	CDC members from the cluster
2	Community meetings	RAY CLTC & CDC
3	Micro planning	RAY CLTC & CDC
4	DPR preparation	Consultant – Voyants Solutions

Next Kozhikode

