

*Welcome*

# RAJIV AWAS YOJNA (RAY)



Presentation on

**Pilot Project**

**Relocation Slum Development at Madhusudanpalli,  
Rourkela, Orissa**

Nodal Agency:-

**HOUSING AND URBAN DEVELOPMENT DEPARTMENT,  
GOVT. OF ORISSA**

Implementing Agency:-

**ROURKELA MUNICIPALITY, ROURKELA, ORISSA**

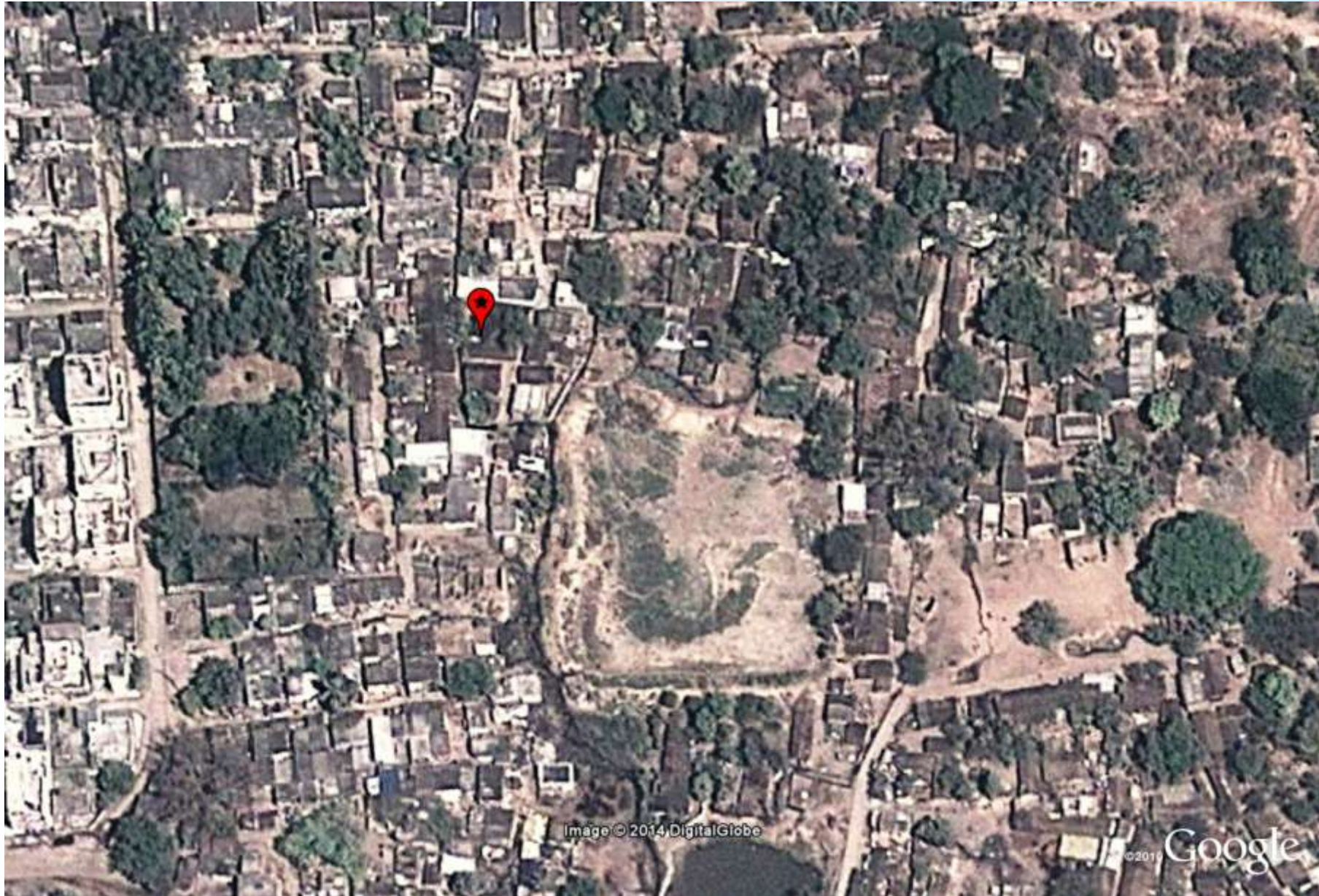
# INTRODUCTION

- Situated at 22°14'57"N 84°52'58"E
- Population – 2,73,217 (2011).
- Total Slum Population – 1,32,000 (2011)
- Total Area – 31.6 Sq.Km.
- Water Supply:  
Water Supply Coverage : 35%  
Ground Water Source : Deep Tube Well
- Sewerage System:  
Area covered = 61 %.





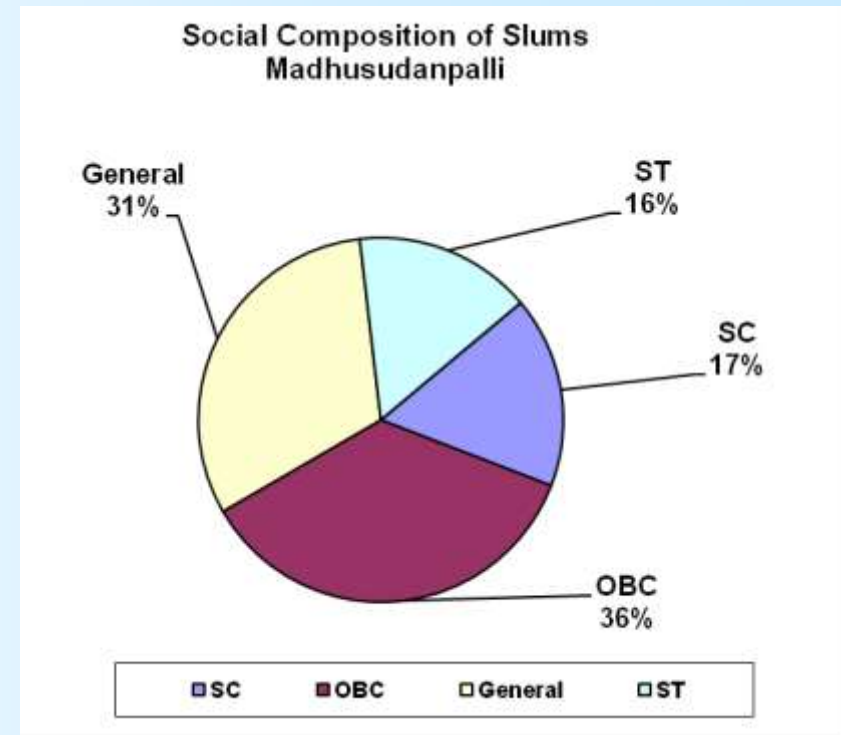
# ★ PROPOSED SITE MADHUSUDAN PALLI



## Slums - Issues

- As per socio economic survey conducted the condition of the house holds in Madhusudanpalli slum is mostly Kutcha and semi Pucca Households.
- Poor sanitation conditions due to clogged drains, collection of household waste water in open pits.
- Madhusudanpalli slum consists of 1556 households in total and the current water supply provision are inadequate to fulfill the requirement of the house holds.
- Slums also lack toilet facility.

Beneficiaries	General	1930
	OBC	2190
	SC	1040
	ST	964
TOTAL		6124
H. H. Size		4



## SOCIAL PROFILE



## **PRIORITIZATION :**

**LAND :** Madhusudanpalli slum was selected basing on the land availability condition in Rourkela Municipality. Rourkela municipality has no vacant land. Most of the slum are over Railway, RSP (SAIL) or forest Department Land. The slum Madhusudanpalli is unauthorized slum over a patch of revenue land, for which the, the slum has been selected for the pilot DPR.

**Livelihood :** Mostly Labour class – skilled / unskilled.

**Economic Condition :** As per families are mostly labour class, the economic condition is poor.

### **Dwelling Units:**

1. Model – 1 : unit consists of 32 Dwelling Units (G+3, 8 Dus in each floor)
2. Area Plan :

Plinth area of each DU's	– 31.05 Sqm.
Carper area of each DU's	– 26.67 Sqm.
Super Built-up area of each DU's	– 35.39 Sqm.
3. DU cost (1 Unit = 32 Dwelling units) : 4.08 lakhs per Dwelling units.

# LIST OF SLUMS FOR WHICH IN-SITU DEVELOPMENT IS PROPOSED

<u>S. No.</u>	<u>Slum Code</u>	<u>Slum Name</u>	<u>No. of Beneficiaries</u>
1	50	Madhusudanpalli A	255
2	53	Madhusudanpalli B	577
3	54	Madhusudanpalli C	724
<b>Total</b>			<b>1556</b>

Beneficiaries are identified by DUDA on the basis of their dwelling unit status and BPL status. A WHOLESUM APPROACH HAS BEEN ADOPTED FOR PROVIDING INFRASTRUCTURE TO THE ENTIRE SLUM.

## SLUM PROFILE: LIST OF SLUMS

# SOCIAL SURVEY (No. of BENEFICIARIES)

S. No.	Slum Code	Name of Slums	Cast Wise Breakup				Total	Minority
			General	OBC	SC	ST		
1.	50	Madhusudanpalli A	153	32	59	11	<b>255</b>	7
2.	53	Madhusudanpalli B	198	128	38	213	<b>577</b>	8
3.	54	Madhusudanpalli C	173	84	152	315	<b>724</b>	27
		<b>Total</b>	<b>524</b>	<b>244</b>	<b>249</b>	<b>539</b>	<b>1556</b>	<b>42</b>

# SOCIO ECONOMIC

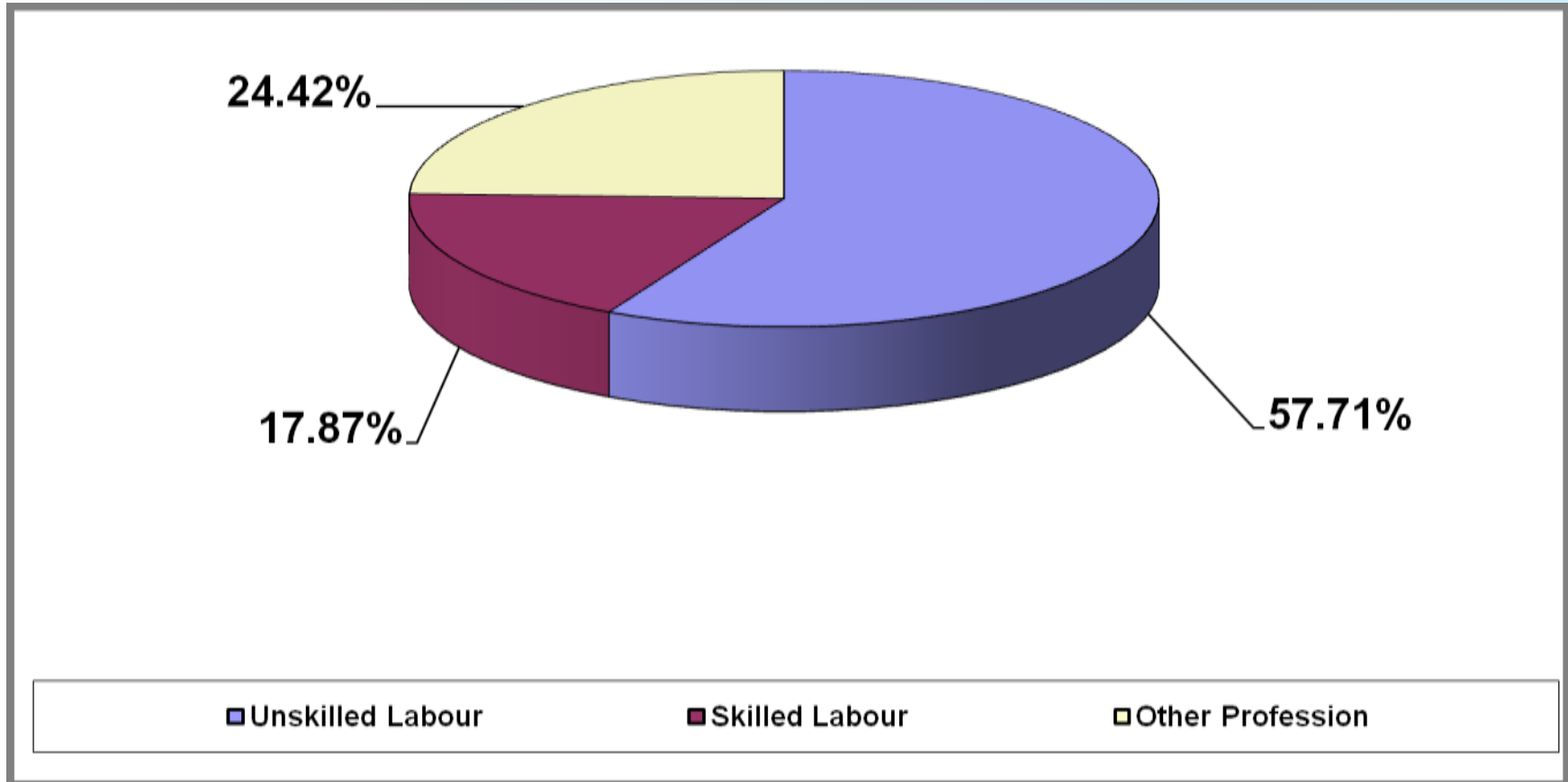
## Livelihood Breakup (Occupational Survey)

Slum Name			Unskilled Labour	Skilled Labour	Other Profession	Total
Main Occupation						
S. No.	Slum Code	Description				
1.	50	Madhusudanpalli A	126	33	96	<b>255</b>
2.	53	Madhusudanpalli B	313	129	135	<b>577</b>
3.	54	Madhusudanpalli C	459	116	149	<b>724</b>
		<b>Total</b>	<b>898</b>	<b>278</b>	<b>380</b>	<b>1556</b>



# SOCIAL SURVEY

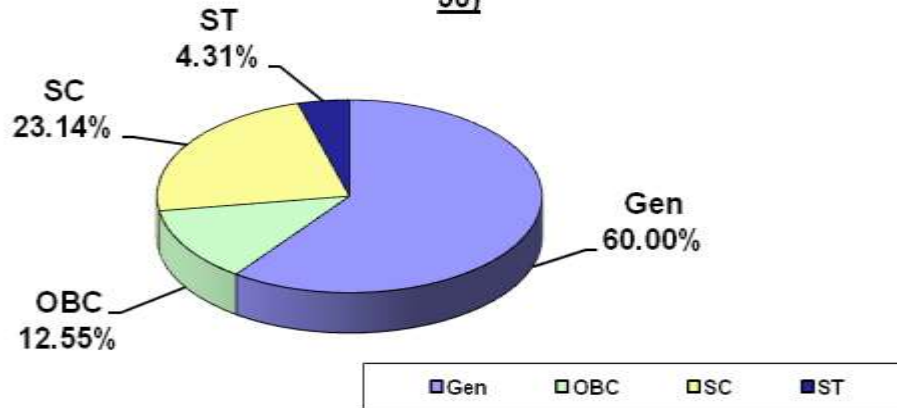
**Madhusudanpalli**



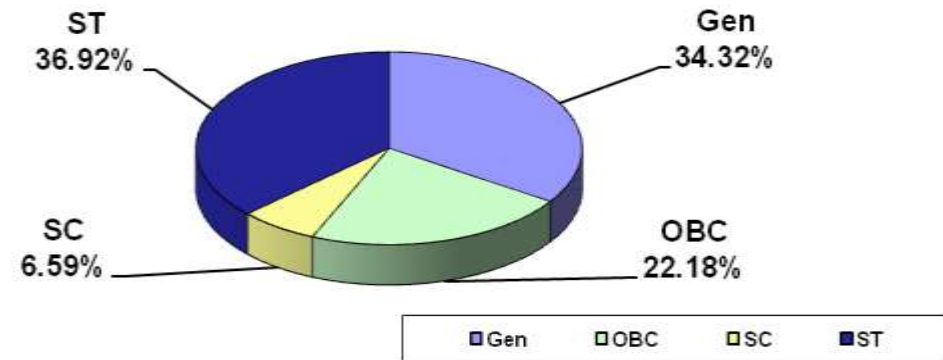
\*\* Social Survey is done by

# SLUM WISE SOCIO-ECONOMIC SURVEY

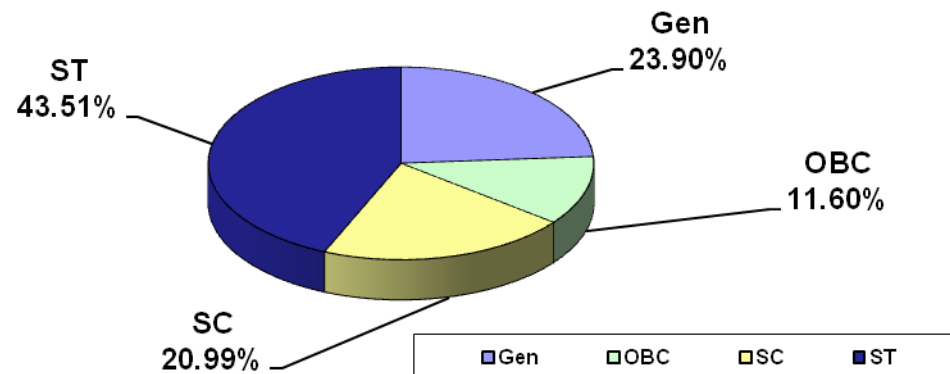
Social Composition : MADHUSUDAN PALL (Slum 50)



Social Composition : MADHUSUDAN PALL (Slum 53)

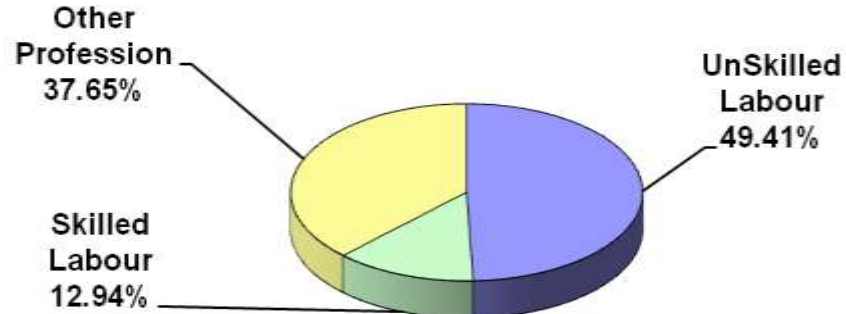


Social Composition : MADHUSUDAN PALL (Slum 54)



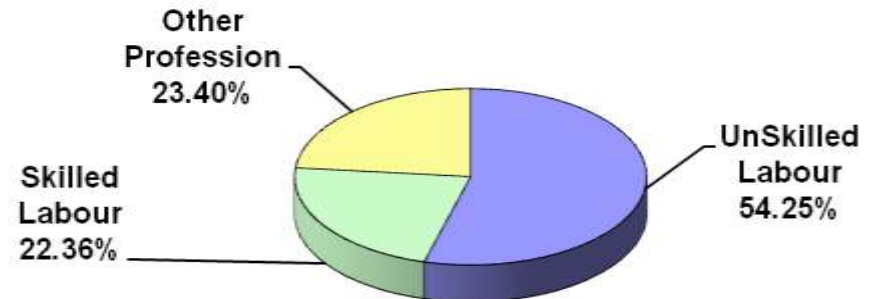
# SLUM WISE LIVELIHOOD SURVEY

Social Composition : MADHUSUDAN PALL (Slum 50)



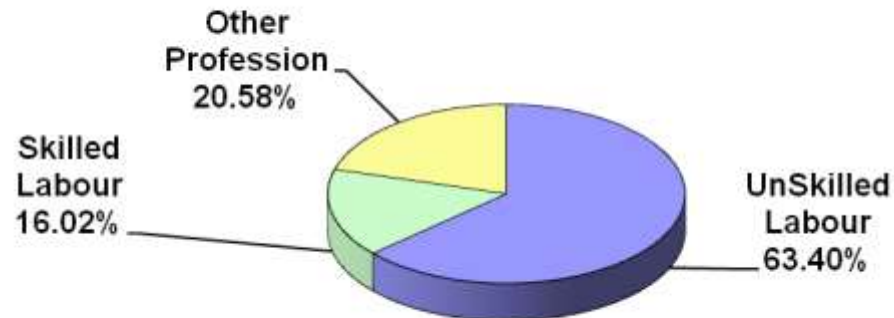
■ UnSkilled Labour   ■ Skilled Labour   ■ Other Profession

Social Composition : MADHUSUDAN PALL (Slum 53)



■ UnSkilled Labour   ■ Skilled Labour   ■ Other Profession

Social Composition : MADHUSUDAN PALL (Slum 54)



■ UnSkilled Labour   ■ Skilled Labour   ■ Other Profession

# EDUCATIONAL FACILITIES STATUS

## ALL EDUCATION FACILITIES SITUATED WITHIN 1 -2 KM. FROM SLUMS

Following state/centrally sponsored works proposed to be converged/ integrated with the project:

- 1.Sarva Siksha Abhiyan
- 2.Sishu Siksha Kendra
- 3.Mid day meal

# HEALTH FACILITIES STATUS

## ALL HEALTH FACILITIES WITH IN 1-2 K.m. FROM SLUMS

Following state/centrally sponsored works proposed to be converged/ integrated with the project:

1. Pulse Polio Camps
2. Kushta Rog Nivaran Karyakarm



# EXISTING CONDITION

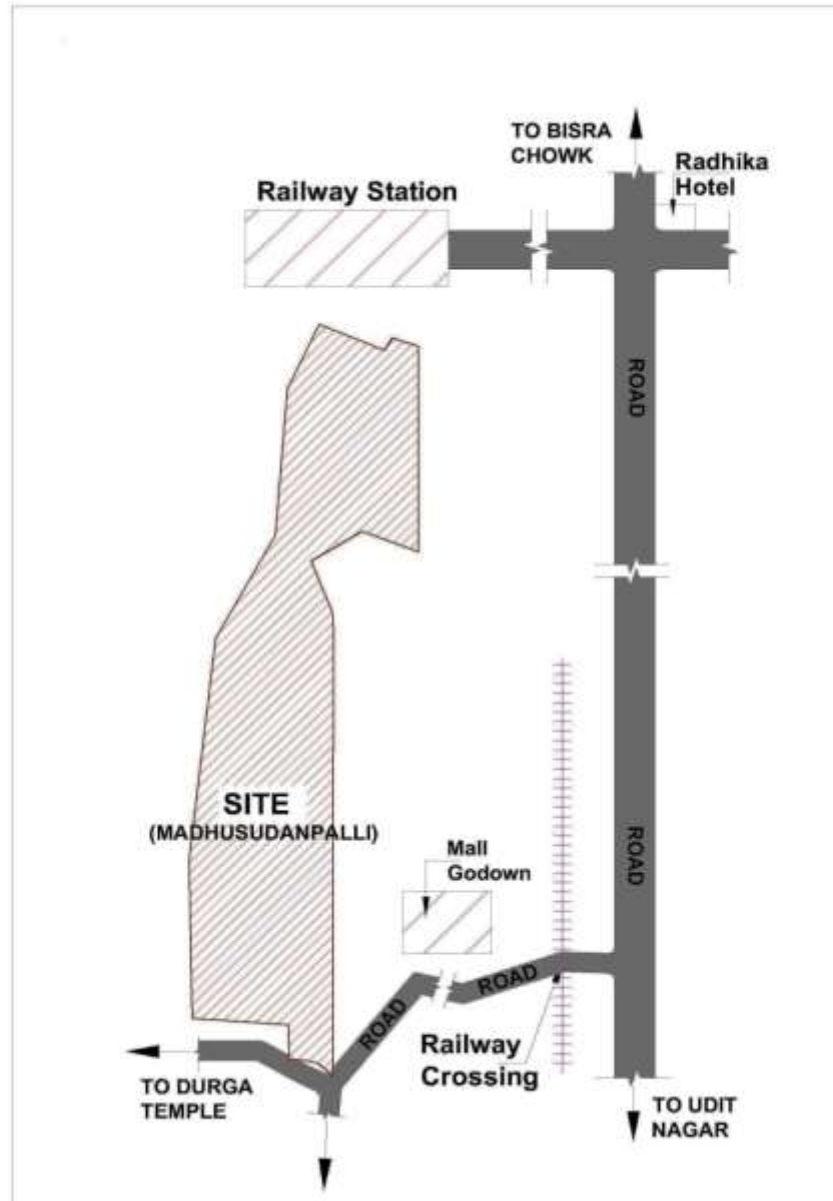




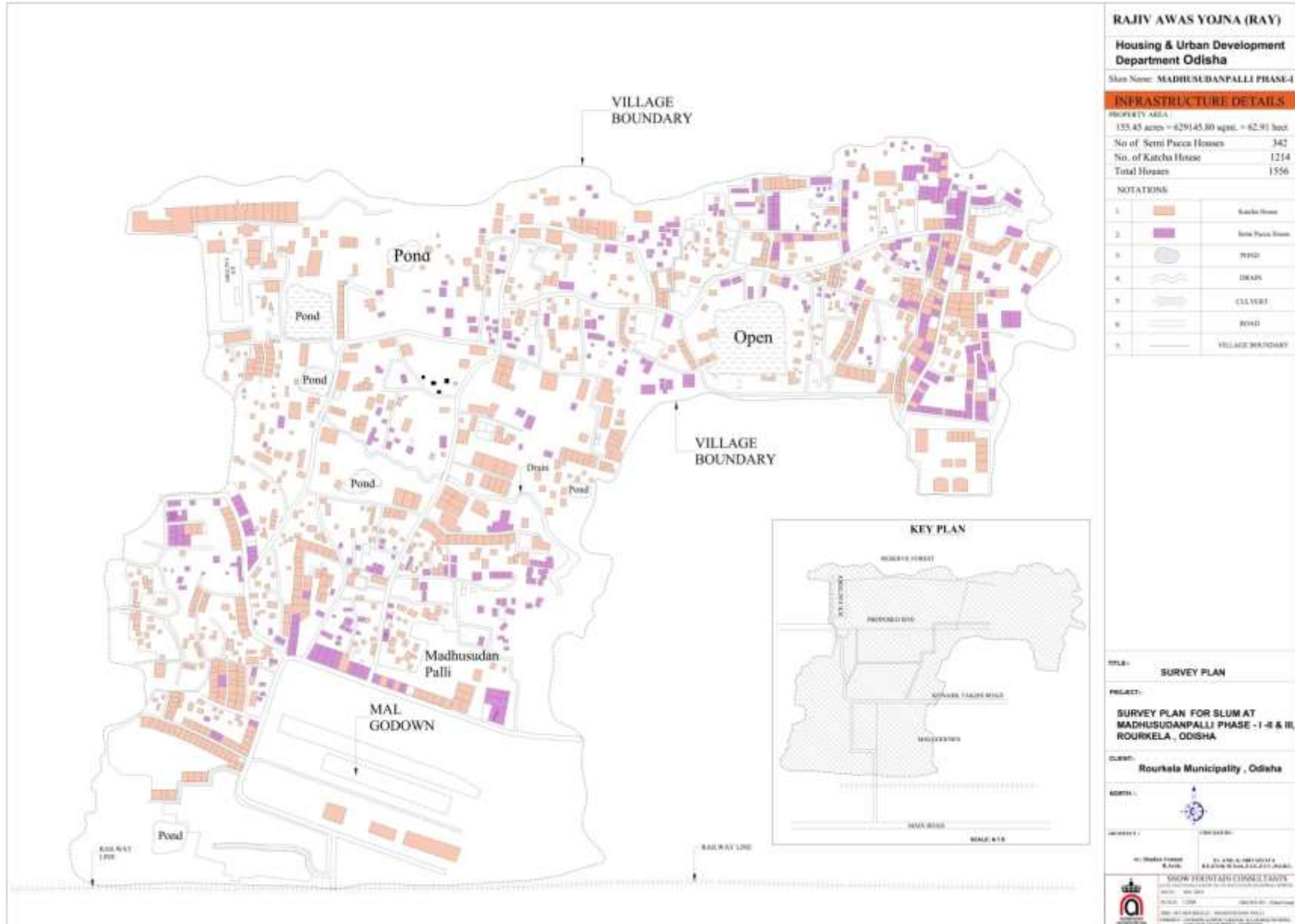
# EXISTING CONDITION



# KEY PLAN



# Survey Plan





# LAYOUT PLAN



# LAYOUT PLAN



## RAJIV AWAS YOJNA (RAY)

### Housing & Urban Development Department Odisha

Slum Name: MADHUSUDANPALLI PHASE-I

#### NOTATIONS



#### STATEMENT OF AREA:

AREA OF LAND = 19.373 Acres = 7.94 Hectare = 76416.81 SQ.M.

1. NO. OF E.W.S. D.U.S. : 1568 NOS. (32 X 49 BLOCK)

COVERED AREA ON GROUND FLOOR

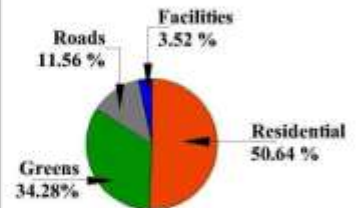
AREA OF E.W.S. (ONE BLOCK) : 299.42 SQ.M.

AREA OF E.W.S. (ONE UNIT) : 35.39 SQ.M.

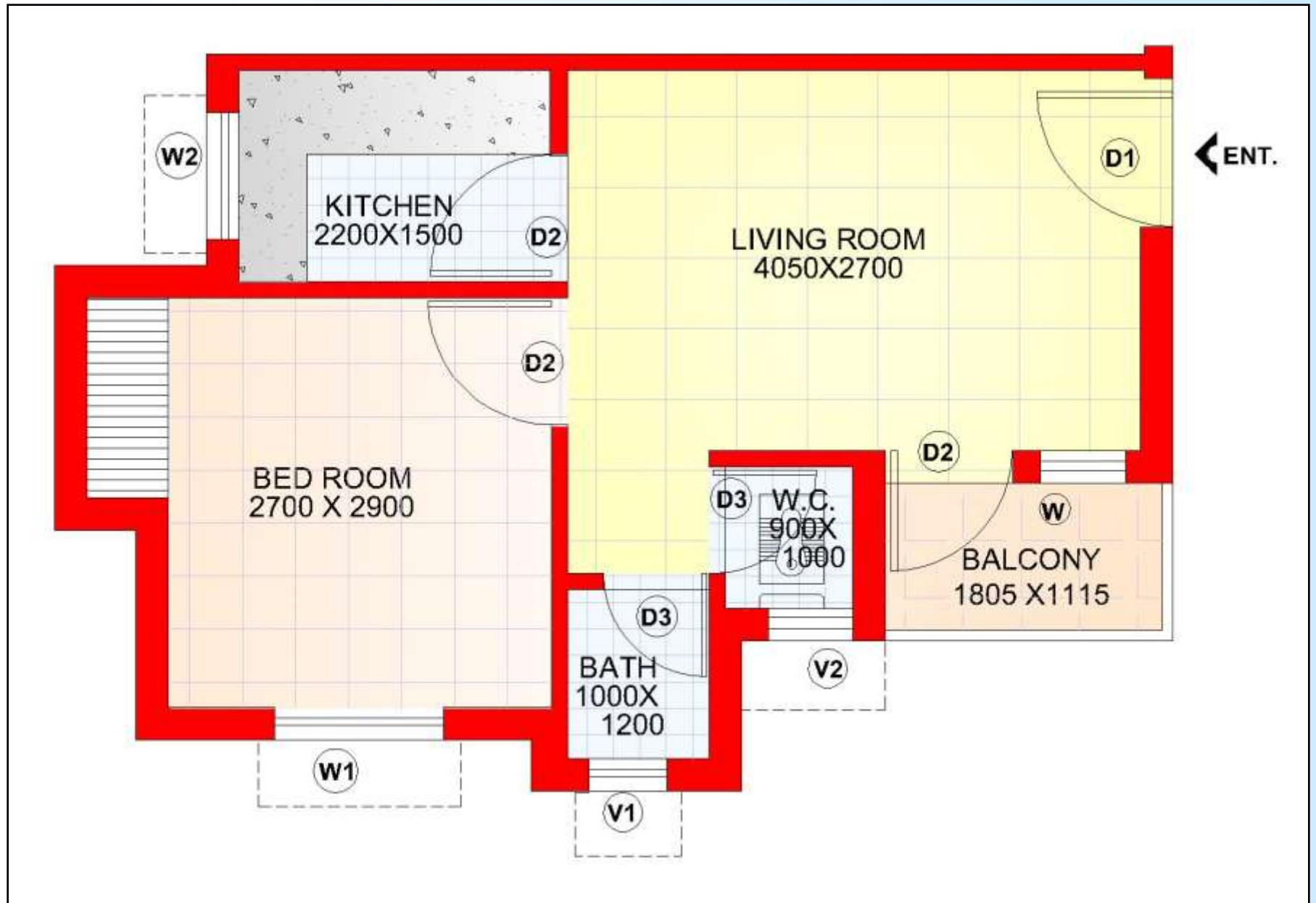
CARPET AREA OF E.W.S. (one unit) : 26.67 SQ.M.

#### FLOOR AREA

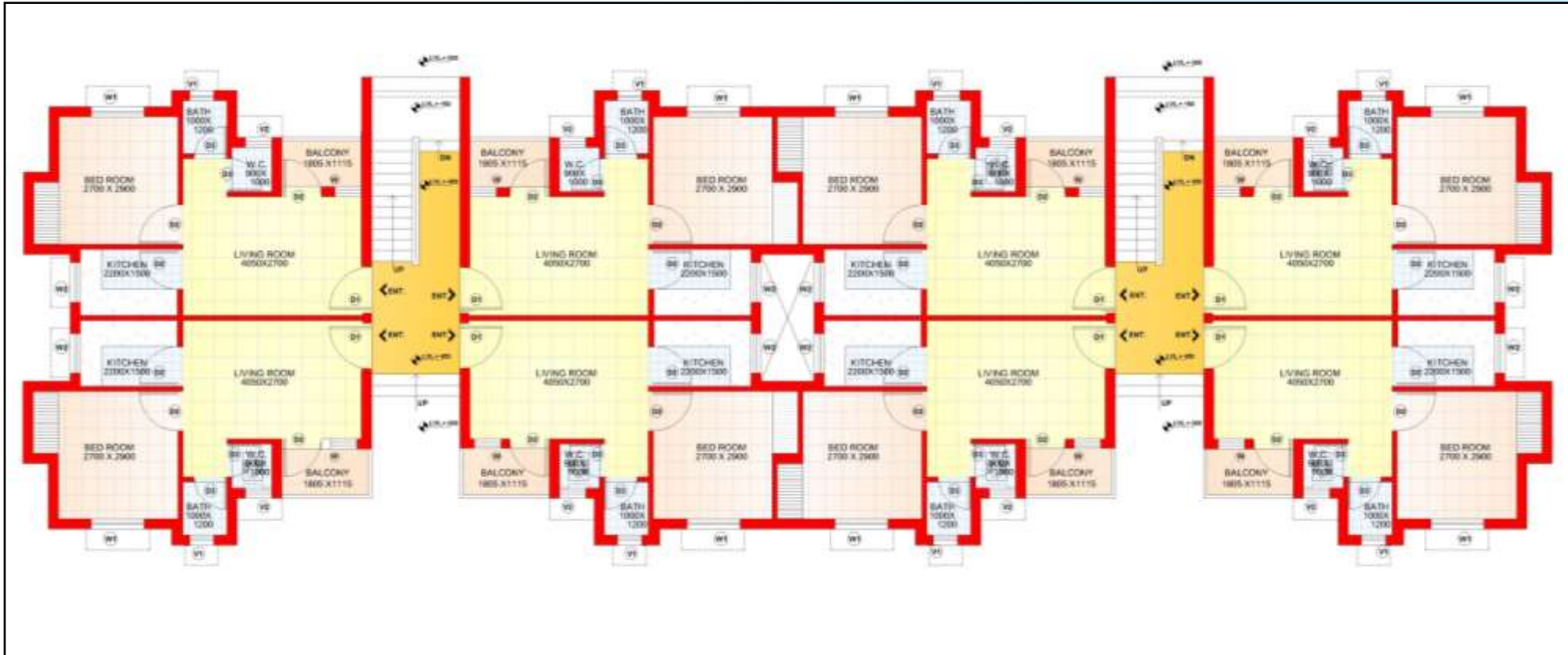
NOS.	TYPE	(AREA OF ONE UNIT) X (NO. OF UNIT)	AREA
1.	E.W.S. FLOOR FLOOR	35.39 X 1508	55066.84 SQ.M.
2.	AREA OF COMMUNITY CENTRE ( 1NOS.)		373.76 SQ.M.
4.	AREA OF DUST BIN ( 2 NOS.)		48.88 SQ.M.
5.	TOTAL FLOOR AREA		59895.6 SQ.M.



# UNIT PLAN MODEL – E.W.S. FLAT (G+3)

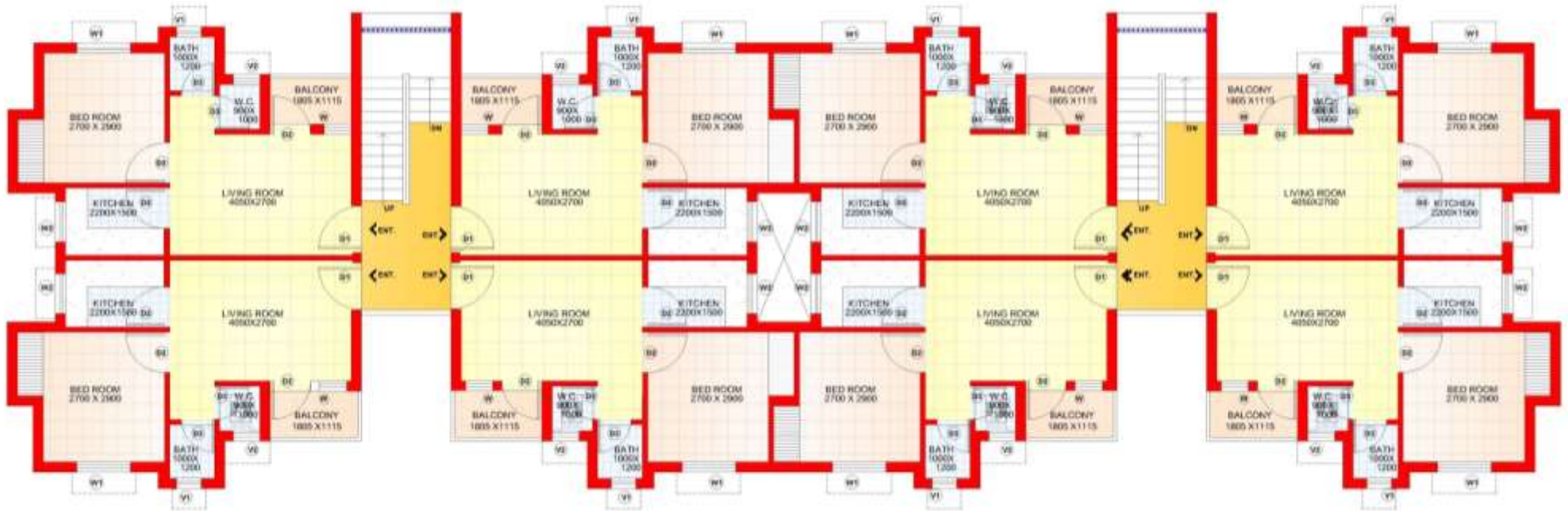


# E.W.S. GROUND FLOOR PLAN





# E.W.S. TYPICAL FLOOR PLAN (I, II, & III)

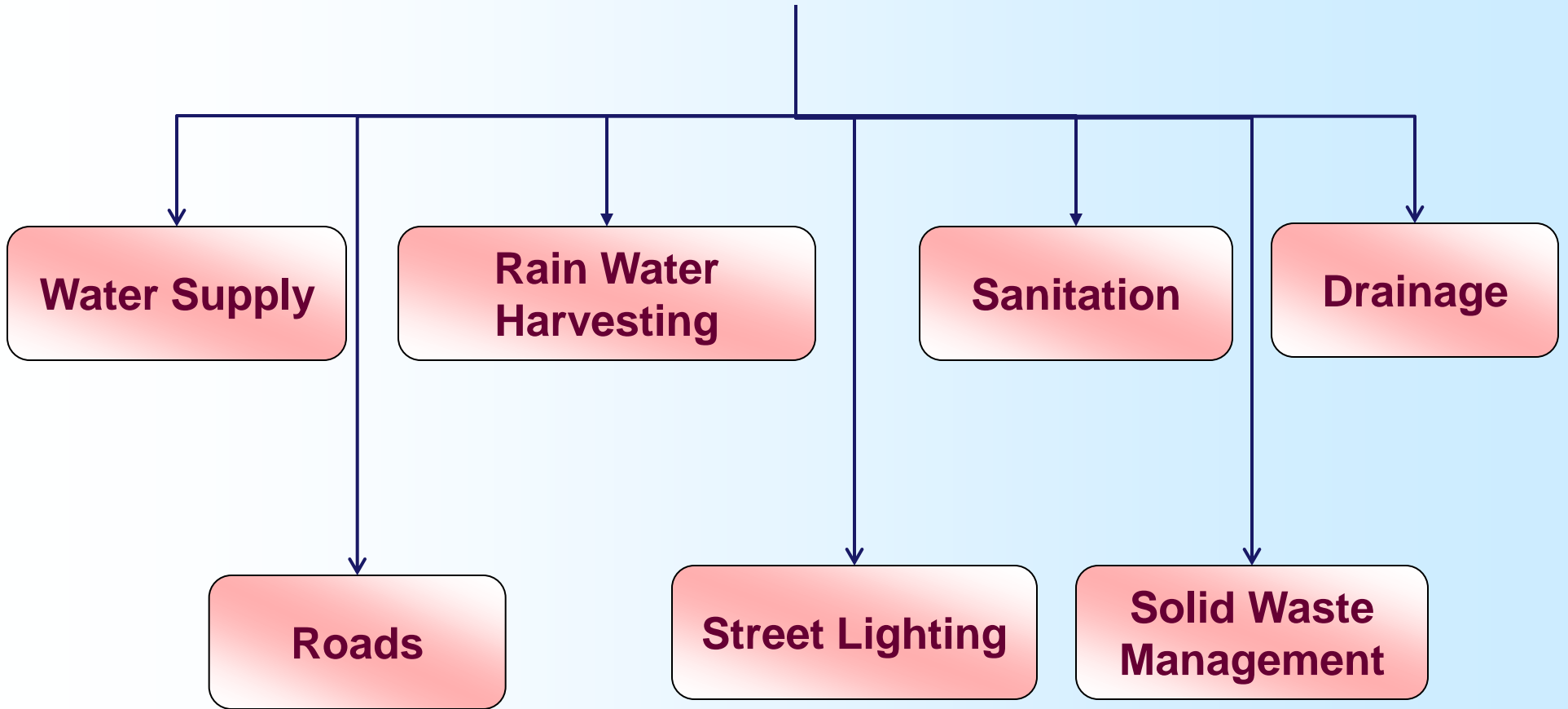


# E.W.S. – FRONT ELEVATION



**FRONT ELEVATION**

# BASIC PHYSICAL INFRASTRUCTURE



# Infrastructure promoting Physical Fitness (Playing Space, Parks and Greens)

**More than 34% space in the Colony has been reserved for green areas**

**Provision of tree guards for shrubs and trees along the internal roads of the Colony**

**Well thought out plantation of trees along the boundary of the Colony and planting of out flowing/out drooping creepers or bushes alongside enclosures**

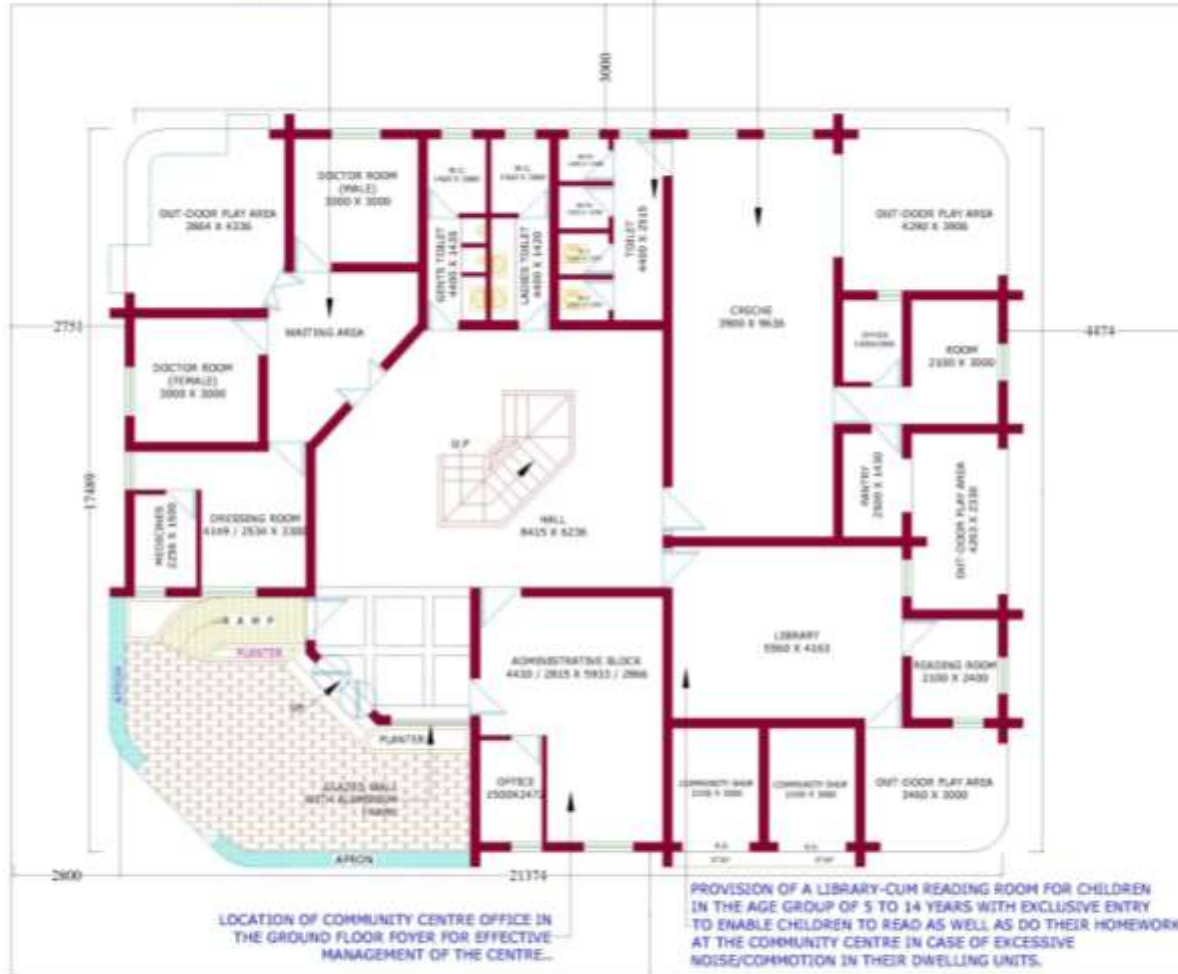
# PLAN OF COMMUNITY CENTRE, CRECHE & DISPENSARY

## COMMUNITY CENTRE

PROVISION OF EXCLUSIVE ENTRY TO THE COLONY HEALTH CENTRE LOCATED WITHIN THE COMMUNITY CENTRE PROVIDING SEPARATE ROOMS FOR MALE DOCTOR, FEMALE DOCTOR AND COMPOUNDER (FOR DRESSING INJURIES AND SAFE CUSTODY OF MEDICINES AS WELL AS FOR PATIENTS TO SIT UNDER A CREEPER-COVERED PARAGOLA.

PROVISION OF SPECIALLY DESIGNED TOILETS FOR TINY TOTS IN THE COMMUNITY CENTRE.

WELL DESIGNED COMMUNITY CENTRE PROVIDING EXCLUSIVE ENTRY TO CRECHE BY TINY TOTS AND THEIR PARENTS COMBINED WITH OPEN PLAY AREA.



TITLE:- COMMUNITY CENTRE  
GROUND FLOOR PLAN

PLOT AREA = 660.23 SQ.M.  
BUILT-UP AREA OF GROUND FLOOR= 373.76 SQ.M.

COMMUNITY CENTRE





## ABSTRACT OF COST (PHASE – I)

<b>PARTICULARS</b>	<b>Total</b>
Total Nos. of Malin Basti taken in Project	1
No. of Beneficiaries/Housing Unit	1556
Cost of Dwelling Unit (Rs. In Lakhs.)	4.08
Total Cost of Housing (Rs. In Lakhs.)	6346.83
Total Cost of Physical Infrastructure (Rs. In Lakhs.)	578.96
Total Cost of Social Infrastructure (Rs. In Lakhs.)	44.48
<b>Total infrastructure Cost</b>	<b>623.44</b>
<b>Total Housing + Infrastructure Cost</b>	<b>6970.27</b>
<b>Total Project Cost (Rs. In Lakhs.)</b>	<b>8277.19</b>
Percentage of Housing Cost	91.06
Percentage of Infrastructure Cost	8.94
<b>Total Central Govt. Share (Rs. In Lakhs.)</b>	<b>4877.11</b>
<b>Total State Govt. Share (Rs. In Lakhs.)</b>	<b>2530.20</b>
<b>Total ULB Share (Rs. In Lakhs.)</b>	<b>108.27</b>
<b>Beneficiaries Contribution (Rs. In Lakhs.)</b>	<b>761.62</b>

# DETAILED ABSTRACT OF COST

Particulars	Amount in Lacs
<b>Housing Cost</b>	
EWS Houses (1556 DUs)	6346.83
<b>Infrastructure Cost</b>	
C.C. Road 6 mt wide (480 m)	35.37
C.C. Road 4.5 mt wide (792 m)	43.77
C.C. Road 3.0 mt wide (923 m)	34.00
Strom Water Drain (2544 mts)	47.01
Strom Water Drain (1846 mts)	21.43
<b>Water Supply System</b>	129.84
<b>Sewerage System</b>	201.68
Solid Waste Management (Permanent)	1.60
Street Light (70 Poles)	28.07
Supply and fixing of 250 KVA Transformer	8.10
Rain Water Harvesting (05 Nos.)	11.93
Boundary wall (491.00 m)	16.16
Community center (01 Nos.)	35.60
Development of Park	8.88
<b>Total Infrastructure</b>	<b>623.44</b>
<b>Total Housing + Infrastructure</b>	<b>6970.27</b>

*Continued.....*

# DETAILED ABSTRACT OF COST

Particulars	Amount
<b>O &amp; M @ 4%</b>	<b>278.81</b>
DPR Preparation Cost @ 0.75%	52.28
PMC Charges @ 2 %	139.41
Contingency Charges @ 1%	69.70
Add. 1 % for Labour Cess	69.70
Cost Escalation @ 10%	697.03
<b>Grand Total</b>	<b>8277.19</b>

*Thanking You.....*