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### UPGRADATION OF URBAN ELEMENTS IN RURAL AREAS OF KALYANPURA VILLAGE

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**Abstract:** Rural development is the process of improving the quality of life and economic development of people living in rural areas. Rural development is a comprehensive term. It basically focuses on action for the development of areas outside the typical urban economic system. What type of rural development is needed because modernization of village leads to urbanization and village environment disappears<sup>[1]</sup>. Also, rural development can increase employment for the people living in rural areas. Also, better education can be provided. Rural development provides better living facilities to the people living in undeveloped areas. Also, it increases the living standard of people. Rural development increases the economic growth of the country. It focuses upon the upliftment and development of the sections of rural economies, that experience serious poverty issues and effectively aims at developing their productivity. It also highlights the need to address various demanding issues of village economies that hinder growth and improve these areas. Rural development can be understood as the recounting of capitalism in rural areas, and as that package of policy and project involvements that aim to stand-in socio-economic change and human improvement in rural areas.

**Keywords:** Quality of Life, Living Standard, Economic Development, Urbanization, Modernization.



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## INTRODUCTION

Villages are critical for the balanced growth and development of India. With more than 6.40 lakh villages in the country holding 69.9% of 1.21 billion population (2011 Census), villages require focused attention for ensuring their planned growth. <sup>[2]</sup> Villages shall continue to dominate India till next 50 years, in terms of population, food and promoting industry using agriculture. Most of the urban problems have their origin in the neglect of the rural areas. Rural-Urban migration constitute more than 21% of the population growth. <sup>[2]</sup> Growth of slums in Urban India has its origins in rural poverty migrating to urban areas. In India, cities can never become smart, rational, orderly or slum free unless planning and development of villages is put on a fast track. Thus, it becomes acute that rural areas are properly planned, rationally developed and objectively managed. <sup>[3]</sup>

### I. OBJECTIVES

- Development of village compared to the city area, the basic facility needed for people and their amenities and to study whole village.
- Development of basic need and their requirement.
- Finding out of the village data and survey of the whole village and improving the growth of village.
- Development of pond, gram-panchayat, aanganwadi, road, drainage, school, hospital, etc...
- There are several schemes of the Government which are being operated and run for rural development in the rural areas of the country.
- Evaluation taken up so far for these schemes has been in a piecemeal form, i.e. generally for each scheme separately.

### II. METHODOLOGY



### III. RESULT AND DISCUSSION

This is a small village which is in Gandhinagar, State- Gujarat. The total population of this village is 600. Total Permanent houses are 10 and Temporary houses are 80-90. Its area is approximately about 0.5 sq.km.



Fig- Location of Kalyanpura

#### Demographical Details:

Census	Population	Male	Female	Total House Holds
<b>2011</b>	547	290	257	121

#### Geographical Details:

Sr. No.	Description	Information/Details
i)	Area of village	301,355.70 m <sup>2</sup>
	Residential Area	39,089.23 m <sup>2</sup>
	Water Bodies	Sabarmati River
	Nearest Town with Distance	Gandhinagar (21 kms.)
	Name of Major occupation groups in village	Agriculture Job Dairy Farm Labor

Physical Infrastructure Facilities:

Sr. No.	Description	Detail
<b>A</b>	<b>Main Source of Drinking water</b>	
	<ul style="list-style-type: none"> <li>• Tap Water (Treated/ Untreated)</li> <li>• RO Water</li> <li>• Well (Covered/ Uncovered)</li> <li>• Hand Pumps</li> <li>• Tube well / Borehole</li> <li>• River/ Canal/ Spring/ Lake/ Pond</li> </ul>	Untreated No Covered Yes (1) Borehole Sabarmati River (3 Kms.)
<b>B</b>	<b>Water Tank Facility</b>	
	Overhead Tank	Capacity – 25,000 ltr.
	Underground Sump	Capacity – 25,000 ltr.
<b>C</b>	<b>Drainage Facility</b>	
	Available	No
<b>D</b>	<b>Type of Drainage</b>	
	Closed/ Open	-
	If Open than Pucca/ Kuccha	-
	Whether drain water is discharged directly into Water bodies/ Sewer plants	-
<b>E</b>	<b>Road Network: All Weather/ Kuccha (Gravel)/ Black Topped pucca/ WBM</b>	
	Village approach road	CC Road
	Main road	No
	Internal streets	Yes
	Nearest NH/SH/MDR/ODR Dist. In kms.	NH 8 (5 Km.)
<b>F</b>	<b>Transport Facility</b>	
	Bus Station (Y/N) (If no than Nearest Bus Station Kms)	No Sadara Bus Station (3 Km.)
	Local Transportation (Auto/ Jeep/ Chhakda/ Private Vehicles/ Others)	Private Vehicles, Auto
<b>G</b>	<b>Electricity Distribution</b>	
	Govt./ Private (Less than 6 hrs. / More than 6 hrs.)	Govt. (24 hr.)

	Power supply for Domestic use	Yes
	Power supply for agricultural use	Yes
	Power supply for Commercial use	Yes
	Road/ Street Lights	Yes
	Electrification in Govt. Buildings/ Schools/ Hospitals	Yes
	Renewable Energy Source Facilities (Y/N)	No
	LED Facilities	No
<b>H</b>	<b>Sanitation Facility</b>	
	Public Latrine Blocks If available than nos.	No
	Location Condition	-
	Community Toilet (With bath/ without bath facilities)	No
	Solid & Liquid waste Disposal system available	No
	Any facility for Waste collection from road	No
<b>I</b>	<b>Irrigation Facility:</b>	
	Main Source of Irrigation (Stream/ River/ Canal/ Well/ Tube well/ Other)	Borehole
<b>J</b>	<b>Housing Condition:</b>	
	Kutcha/Pucca (Approx. ratio)	Kutcha (58%) Pucca (42%)



Fig. – Kuccha house



Fig. – Pukka house



Fig. – Sanitation facility



Fig. – Drinking facility



Fig. – Primary school



Fig. – Classroom

Sustainable Green Infrastructure Facilities

Sr. No.	Description	Information/Details
K	Adoption of Non-Conventional Energy Sources/ Renewable Energy Sources	No
L	Bio-Gas Plant Solar Street Lights Rain Water Harvesting System	No
M	Any Other	-





Fig- Approach road towards kalyanpura



Fig. – Village roads of kalyanpura

#### ESTIMATE FOR SOLAR STREET LIGHT

The poles are to be fixed at every 100m distance.

Length of Road		1100 m		
Materials Required	Qty.	Rate	Per	Amt.
Solar Panel	11	Rs. 7260	Unit	Rs. 79860
Lighting Fixture	11	Rs. 2150	Unit	Rs. 23650
Rechargeable Battery	11	Rs. 1084	Unit	Rs. 11924
Pole	11	Rs. 1800	Unit	Rs. 19800
<b>Total Amount</b>		<b>Rs. 1,35,234</b>		

Cost of construction of single lane rigid pavement = **Rs. 24 Lakhs.**

#### CONCLUSION

The total estimated cost of development of street lights and roads in this village is **Rs.25, 35, 234.**

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