

# RURAL INFRASTRUCTURE DEVELOPMENT PLANNING OF FANGDI VILLAGE, SANAND TALUKA, AHMEDABAD DISTRICT

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**Abstract** - Rural development usually refers to the method of enhancing the quality of life and financial well-being of individuals, specifically living in populated and remote areas. This project aims to assess the infrastructure facilities in Fangdi village and plan better facilities in the area for improving the living standards of the people by enhancing the infrastructure facilities. In these paper I have consider two main design namely medical store, and bank with ATM.

**Index Terms** - Rural development, Medical store, Bank with ATM, Fangdi.

## 1. INTRODUCTION

India is a country of villages. It has about 7.50 lakh villages. Majority of population (72%) of the country lives in these villages which contributes 54% share in national income. Rural development aims at finding ways to improve rural lives with the participation of rural people themselves, so as to meet the required needs of rural communities.

Rural development is the process of improving the quality of life of the rural people. It is an integrated process. Which include social, economic, political and spiritual development of the poorer section of society. Rural infrastructure is the process of providing the whole infrastructure facilities to the rural people. Rural infrastructure planning is carried out to improve the connectivity between village and town and to develop recreational facilities for the rural mass.

## 2. GENERAL INFORMATION ABOUT FANGDI VILLAGE

According to Census 2011 information the location code or village code of Fangdi village is 511592. Fangdi village is located in Sanand taluka of Ahmadabad district in Gujarat, India. It is situated 9km away from sub-district headquarter Sanand and 32km away from district headquarter Ahmadabad. As per 2009 stats, Fangdi village is also a gram panchayat. Total area of study area contains Fangdi village, which is the prime study area having area of 971.25 hectares. Fangdi village is administrated by a serpent who is elected representative of the village by the local elections.

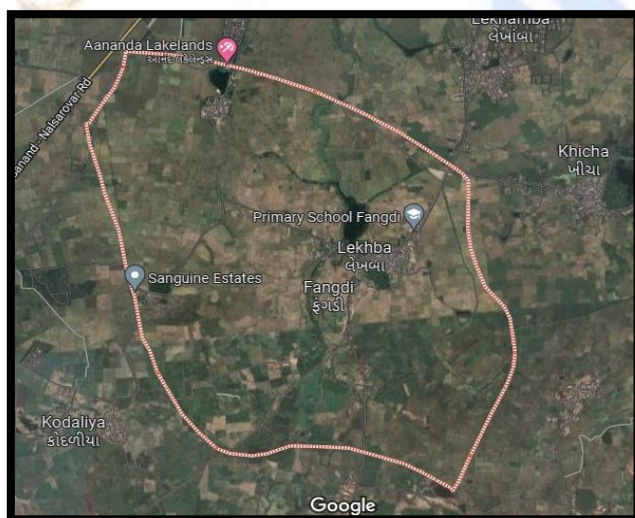
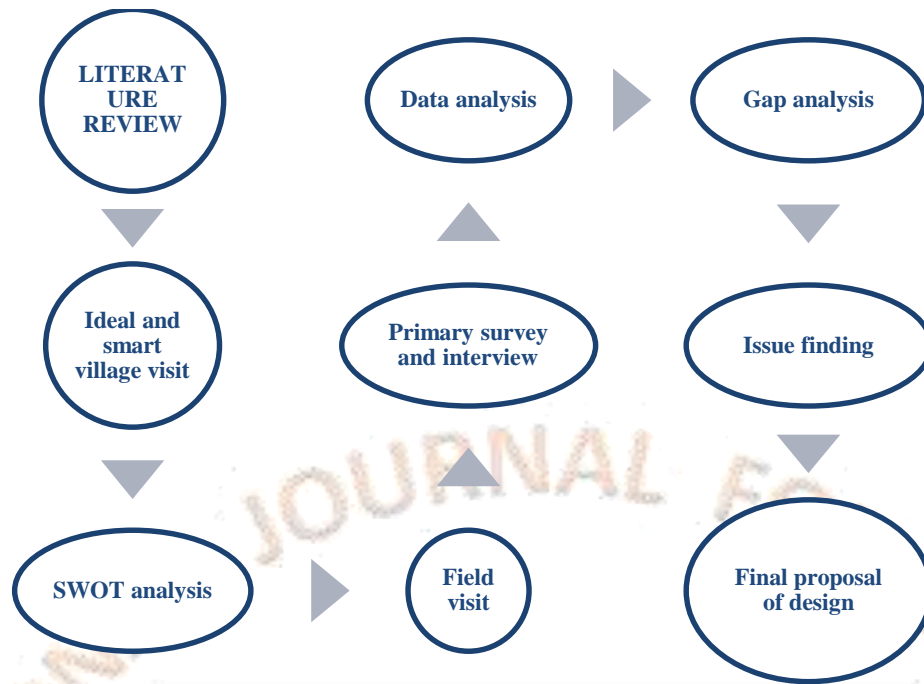


Figure 1 Fangdi village map

- Village Name : Fangdi
- Taluka : Sanand
- District : Ahmadabad
- State : Gujarat
- Pin code : 382110
- Longitude : 22.9251° N
- Latitude : 72.3252° E
- Area : 969 hectares
- Population : 29332  
(As per census 2011)
- Households : 537
- Nearest Town: Sanand (9 km)

3. METHODOLOGY



4. Proposed design

1. Medical store

Medical store will be great beneficial for aged and alone people in village. They can buy their medicine them self. They would not be depending on others for bring this medicine form city. Shop can provide all medicine for regular illness for all villagers. It can be much helpful in medical emergency situation. Get The Genuine Products. Then the bulk pharmacist, retail sellers of drugs are more experienced. Knowledgeable Pharmacists at villager’s Service. Home Delivery on a Rapid Basis. Maintaining the Privacy.

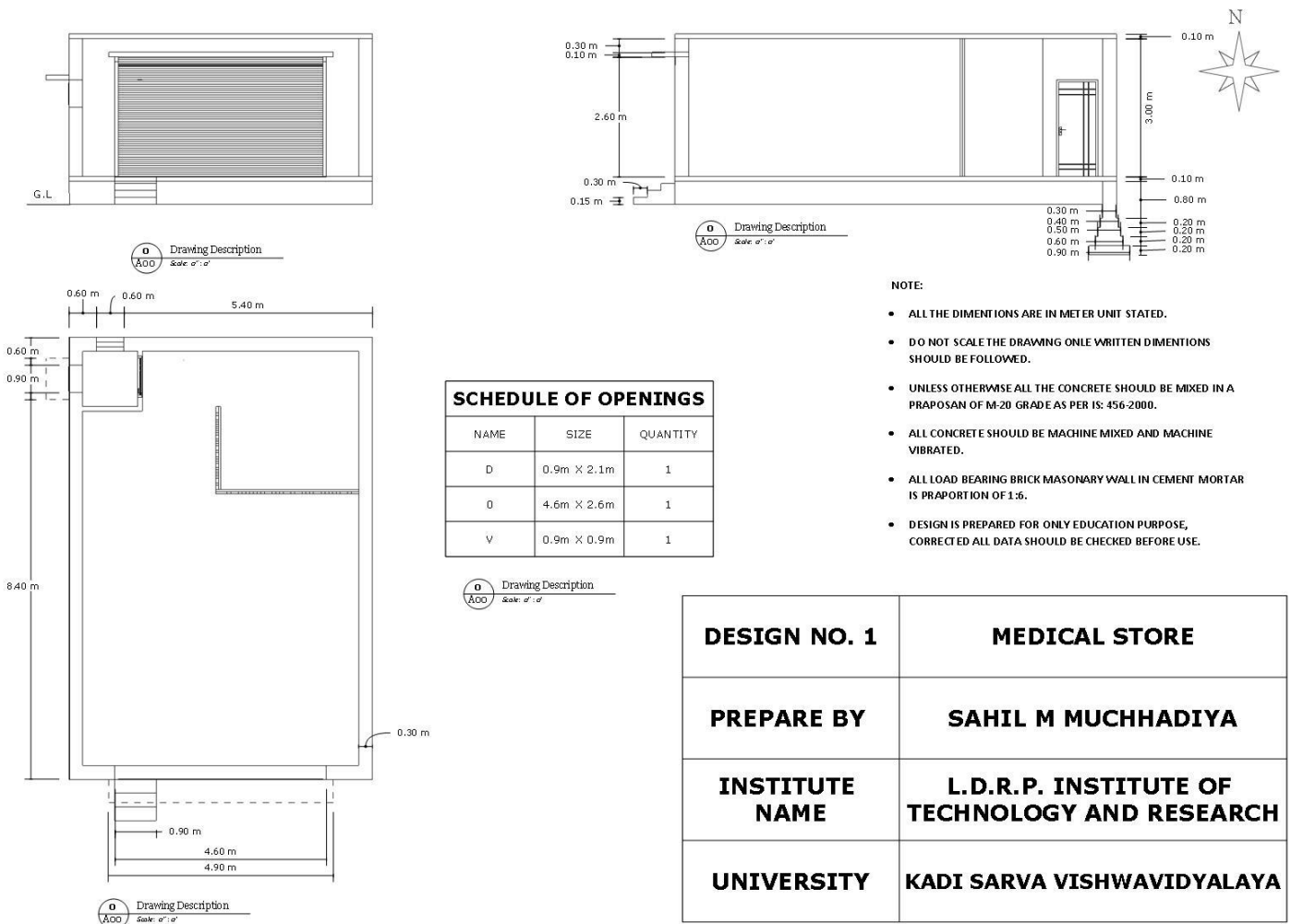


Figure 2 Medical store

2. Bank & ATM

Bank and ATM will provide all money related transaction within village. It will easy to villagers for getting all facilities of loans, insurance, and other banking facilities. Villagers can easily do transaction of money from bank they will not need to travel in emergency for money.

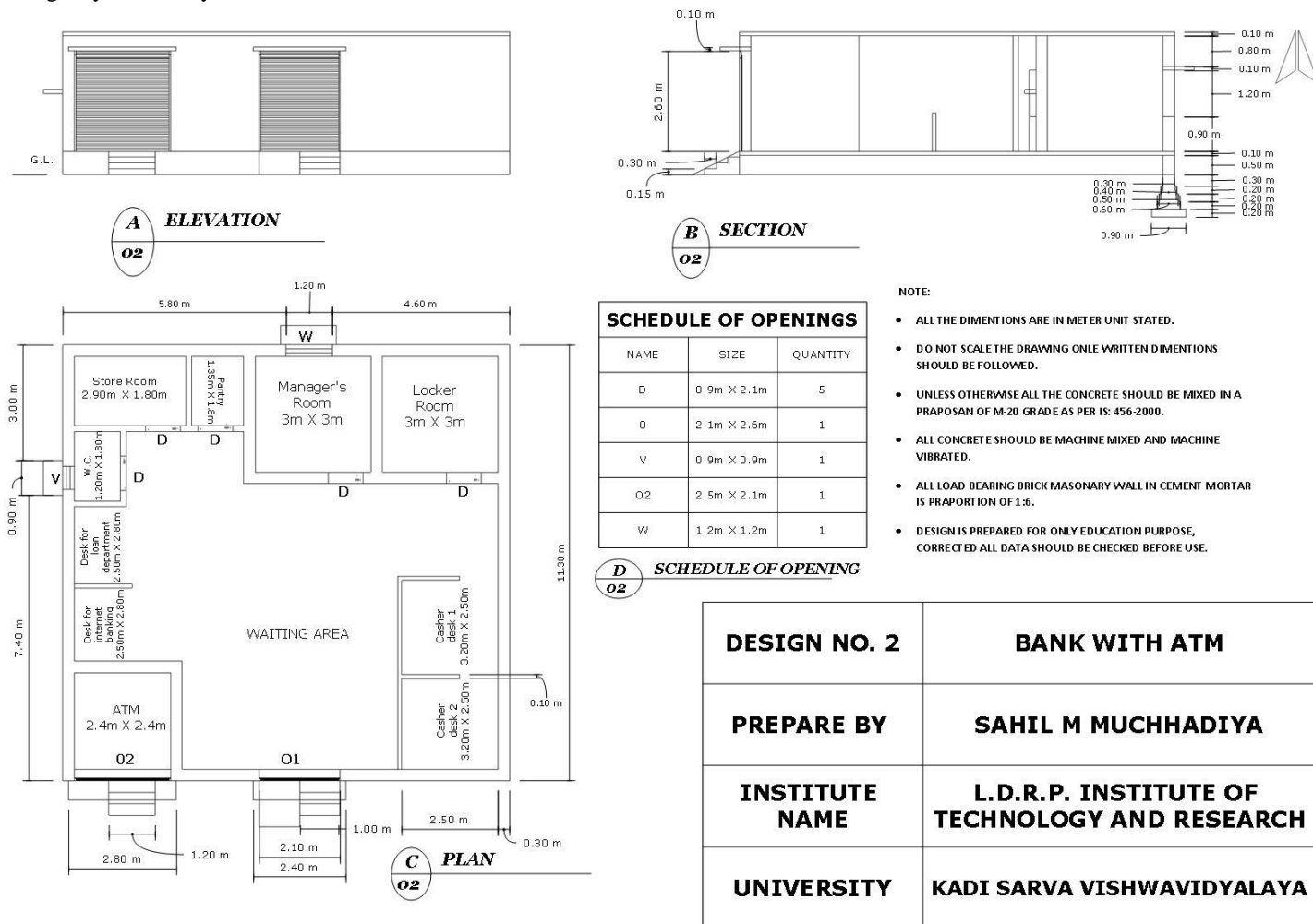


Figure 3 Bank with ATM

5. Conclusion

To improve quality of life and economic well-being of people in rural areas this study has been taken up. Aim of this paper is to assess the inadequacy of the infrastructure facilities in fangdi village and plan better systematic facilities such as suitable medical store facility, bank and ATM facility.

6. References

Ahmedabad - Wikipedia. (n.d.) Retrieved October 15, 2022, from Wikipedia:

<https://en.wikipedia.org/wiki/Ahmedabad>

B Sunadharaman, K. G. (2012). Urban hydrology- A case study on water supply and sewage network for Madurai region, using remote sensing & GIS techniques. international journal of engineering and science, 6.

Bulus, J. S. (2015). The study of rural infrastructure facilities in kajuru area, kaduna state of Nigeria: A spatial analysis for planning. International journal of humanities and social science, 10.

Das, K. (2002). Issues in promoting rural infrastructure in India. 13-14.

data, C. (n.d.). Indian village directory. Retrieved October 15, 2022, from indianvillageinfo.in: <http://indianvillageinfo.in>

H. R. Swani, B. P. (2005-2006). Rural development program. Jaipur: Indus valley publications.

Maps of India. (n.d.). Retrieved October 15, 2022, from [www.mapsofindia.com](http://www.mapsofindia.com): <https://www.mapsofindia.com/>

people(sarpanch), v. (2022, august 7). existing physical and social infrastructure facilities. (s. muchhadiya, Interviewer)