

ENHANCEMENT OF RURAL INFRASTRUCTURE FACILITIES IN FANGDI VILLAGE, SANAND TALUKA, AHMEDABAD

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Abstract: Rural development is a result of interchanges between various physical, technical, economic, social, cultural, and institutional factors. Rural development is continuously designed to improve the economic and social well-being of rural people. These include growth in agricultural, set up of economic and social infrastructure, good wages as also house hold and house for the homeless, village planning, public health, functional literacy, education, communication etc. These paper I have consider two design namely cyber café & library.

Index Terms – Rural development program, Cyber café, Library.

1. INTRODUCTION

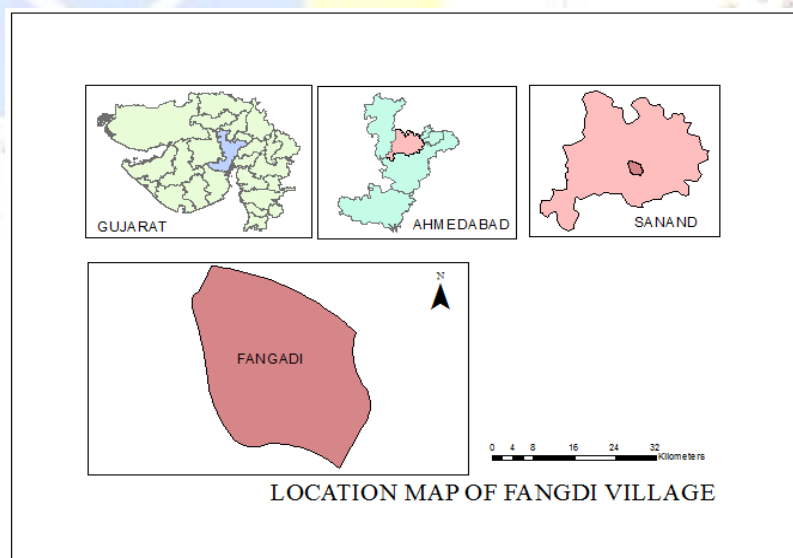
Rural development has become a buzz word in the era of liberalization, privatization and globalization; it can be only when we take care of rural people and their needs i.e. rural economy must be consolidated with global economy. In the country where 80 percent citizen lives in the village, rural development is obvious as India lives in villages: unless rural India changes India cannot progress.

In the context of developing countries like India, it is an attempt to improving the life style of rural people. As a strategy, rural development is aimed to improve the social and economic wellbeing of a specific group of people—the rural who are poor. It needs capabilities to be built up with suitable structure and changes in administrative, technical and political area. This paper discusses the importance of rural development program, challenges and opportunity for rural development.

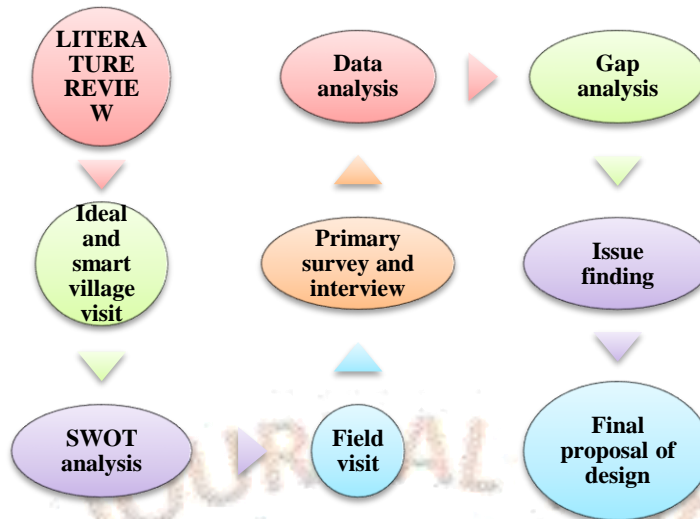
2. GENERAL INFORMATION ABOUT FANGDI VILLAGE

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.

- 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



3. Methodology



4. Proposed design

1. Cyber café

Due to growing digitalization of India villagers and mostly youngsters needs to do their work online with computers with high speed internet connection. For villagers, regular visits to an internet cafe are cheaper than maintaining a home computer. Internet cafe offers all of the computer, software, hardware and internet connection that they need. Attached printing shop will provide printing needs of students in all project work and office work with different types of print.

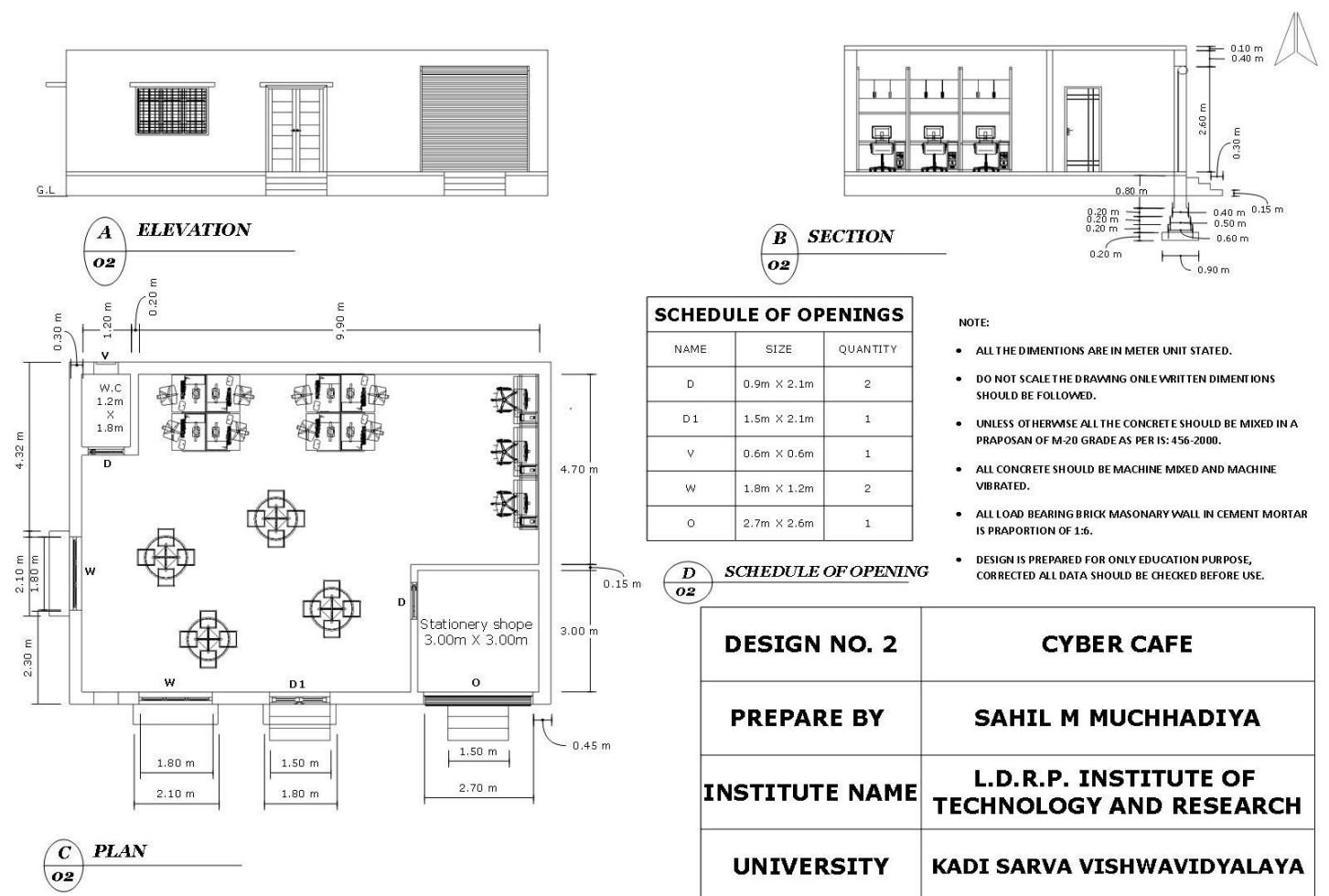


Figure 1 Cyber café design

2. Library

Provision of library will provide all types of books for villagers. This will help mainly to the students and for those who are preparing for competitive exams. Library will provide discipline area to study and free internet. In design of library there are two different zones for reading from which one is allocated for study in silence with no noise and second one is allocated for group discussion or group study.

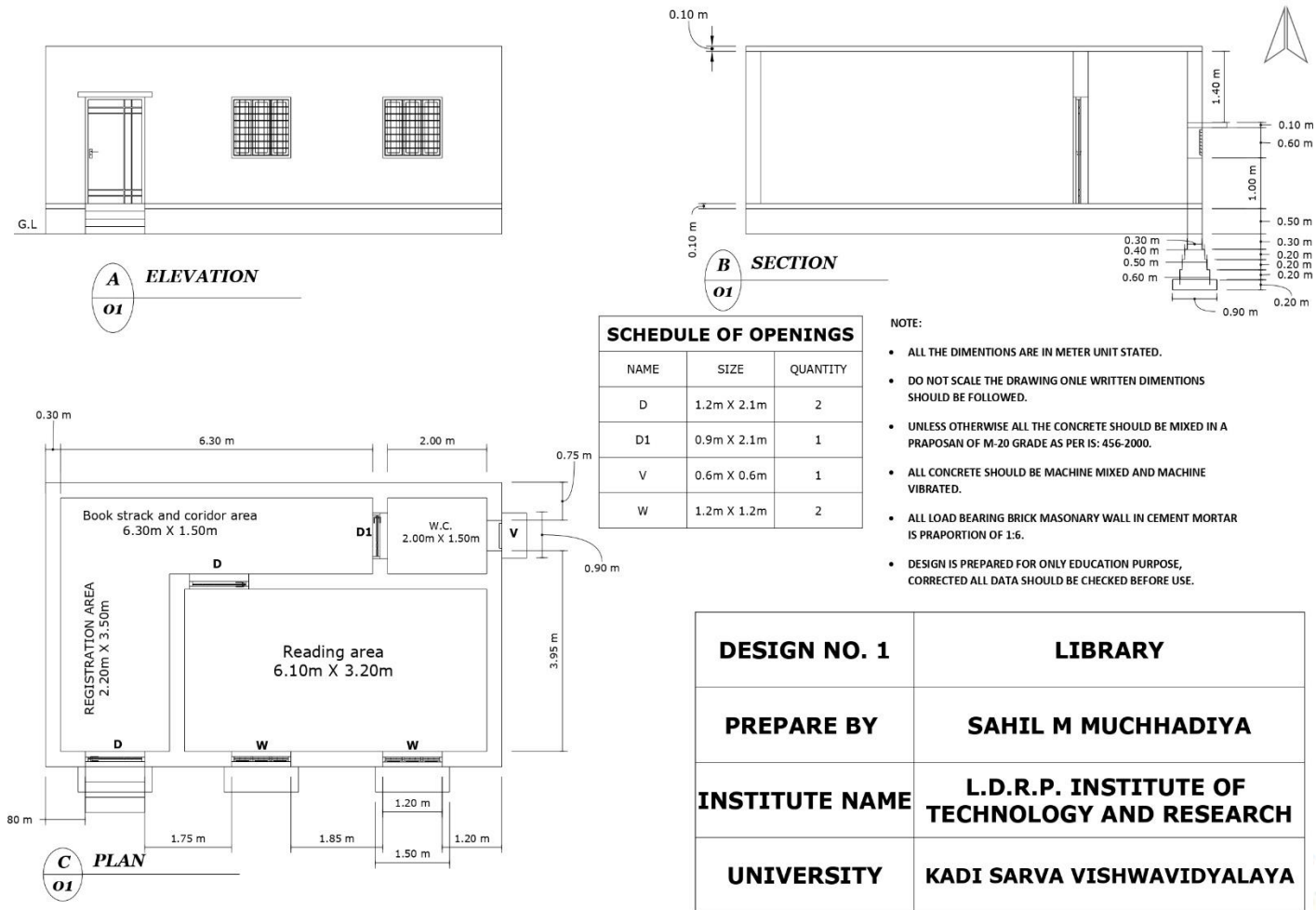


Figure 2 Library design

5. Conclusion

From the survey and visual inspection of a village, we found the lack of the amenities and basic needs provided to the villagers. Also the Basic Infrastructural facilities were observed and their structural and infrastructural conditions checked from the visual inspection of the village. Cyber café and library layout design are proposed with the minimum cost and the structural design. All the structural drawings and estimation are provided with the optimum cost and proper structural layouts drawing.

6. References

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

raheja, K. (2015). Rural development in Haryana. International journal of scientific and research publication, 7.

Rashmi shah, U. S. (2012). Sustainable solid waste management in rural areas. International journal of theoretical & applied sciences, sanand taluka map. (2022, October 15). Ahmadabad, Gujarat, India.

sanand-Wikipedia. Retrieved October 15, 2022, from Wikipedia: <https://en.wikipedia.org/wiki/Ahmedabad>

Singh, A. k. (2010). Ajai KumarSingh. Journal of Transportation Engineering,47. topo sheet no. F43G (BHUVAN PORTAL). (2022, October 15). Ahmadabad, Gujarat, India.

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: <https://www.mapsofindia.com/>