

Vishwakarma Yojna An Approach Toward Rurbanization of Motal Village

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Abstract: *What is the problem of the rural villagers? Take it to the government. The main objective of Vishwakarma Yojana is to improve the facilities of the rural area, to know the problems of the rural area, to solve the problems of the people including conveying them to the government. We have selected Motal village for this scheme. The total geographical area is 579.18 hectares. The total population of Motal is 1460 people. The nearest town to Godhra Motal is about 18 km away. The Motal has 226 houses. 70% are engaged in agriculture and animal husbandry, 20% are engaged in private employment and 10% are in government employment. The village has no health center, no proper irrigation system, no drainage system, no solar system, no community hall, no bus station, no gram panchayat but the condition is bad. The following are required for an ideal village: - Design of drainage system, design of gram panchayat, design of irrigation system, design of health center, solar system, biogas plant. If there is irrigation system in the village then the income of the farmers will be increased. If there is a health center in the village, people can be treated very well and easily in the village itself.*

Keywords: *design to delivery; irrigation system; health centre; drainage system*

I. Introduction

Mahatma Gandhi once said, "India's future lies in its villages." There are about 1.5 million villages in India. In our country, people live mainly in villages. We know that urban people get more facilities than rural people. So that his life becomes happy. Rural people do not get adequate facilities as compared to urban people. As a result, villages are surveyed, studied every year under Vishwakarma Yojana and efforts are made to provide inadequate facilities or needs. The main objective of the government is to know the problems of the village and bring a proper solution. What is an ideal village? Many efforts are being made by the students to make the village ideal and developed through this scheme. Therefore it can be said that with the help of Vishwakarma Yojana the problems of the people of the village are conveyed to the government by the students.

The main objective is how to provide maximum facilities to the rural village. Village development is collected on the basis of village information such as sewerage facility, water facility, transportation facilities, education, bank facilities, public toilets, community hall, primary health center and other facilities. Vishwakarma Yojana is a government subsidiary scheme. We are studying the village area in this project and we want to give a technical solution to the problem. Motal village has a primary health center and a gram panchayat, but its condition is very bad. It can break at any time. If there is any work due to such condition, it is done sitting outside in the open. So we create a new basic requirement. Poverty and unemployment have been eradicated through the Rural Development Program. Provision of training and employment can be made to the rural unemployed.

The main occupation of the people living in this village is agriculture and animal husbandry. The village has wells, taps, hand pumps and borewells for drinking water but the village does not have facilities like irrigation, post

office, bus stop, proper sewerage system etc. The important question is that there is no water system in the village mainly for irrigation. Due to lack of irrigation system, farming cannot be done in all the three seasons.

II. Study Area Profile

Motal is a village in Godhra taluka of Panchmahal district in the Indian state of Gujarat. Motal village is 20 km away from the district headquarters Godhra. It is 140 km away from the state capital Gandhinagar. The pincode of Motal village is 389001 Richrota (2 KM), Dungarpur (4.3KM), Demli (4.1KM), Dhanitra (5.9KM), Bahi (5 KM) etc. Motal is bounded on the north by Shehera taluka, on the south by Panchmahal taluka, on the west by Balasinor taluka, on the south by Kalol taluka. Godhra, Lunawada, Shehra are the cities closest to Motal . The local language of Motal is Gujarati. The total population of Motal village is 1460 and there are 226 houses. Females constitute 46.6% of the population and males 51%. The literacy rate is 72.2% and the female literacy rate is 29.0%.



FIG. 1 LOCATION OF STUDY AREA

III. Demographic growth of Motal

TABLE 1 DEMOGRAPHIC GROWTH OF MOTAL

Census Parameter	Census Data
Total Population	1076 (in 2011)
Total No of Houses	46.6 % (501)
Female Population %	72.2 % (777)
Total Literacy rate %	29.0 % (312)
Scheduled Tribes Population %	1.9 % (20)
Scheduled Caste Population %	21.2 % (228)
Working Population %	47.4 %
Boy Child (0 -6) Population by 2011	134
Girl Child(0 -6) Population % by 2011	41.8 % (56)

IV. Objectives Of Study

- To know the living standard of the people of the village. Also know what is the main source of their business. You have to know about the problems facing the villagers. We can make the right decision based on their standard of living. That is why you need to do the analysis first.
- India is an agricultural country. About 70% of the people in India are involved in agriculture and animal husbandry. You can cultivate more than this but only if proper irrigation system is available. To this day, there is no irrigation system in many parts of the country. If there is a good irrigation system, the farmers and the country will also develop economically. And if it has a solar pumping system, you can make farmers economically viable at low cost and using natural resources. Even in this village there is no proper system for irrigation. Which we have learned from the study.
- Gap analysis by comparing ideal village and non-developed village. With the help of Ani, how do you differentiate a rural village from an ideal village? And we have to know how to give it to the village so that the village develops.
- After conducting the survey, give the Design of the system which is not related to Civil engineering in that village. And give an estimate of it.

- After giving this DESIGN will be sent to the government and so that the work will be implemented in the village so that it will be developed in this way and the people of that village will get the benefit of that facility.

V. Plan for development of village

75% of our country's population lives in villages. Because the environment of villages is clean and the environment of city is polluted. That is why villages are the heart of our country. Most of the people in the Motal village lack roads connecting the small streets of the village. The main occupation of the people of this village is agriculture but there is not enough water available for irrigation. The village has a street light facility. The village needs a garbage can for cleaning. And underground sewerage system is required to prevent the spread of dirt in the village. There is a gram panchayat in the village but it is in a dilapidated condition. Post office in the village but he works in a rented house. Therefore there should be a post office structure for it. If the people of the village also get adequate facilities then the village will develop well.

Vi. Designs

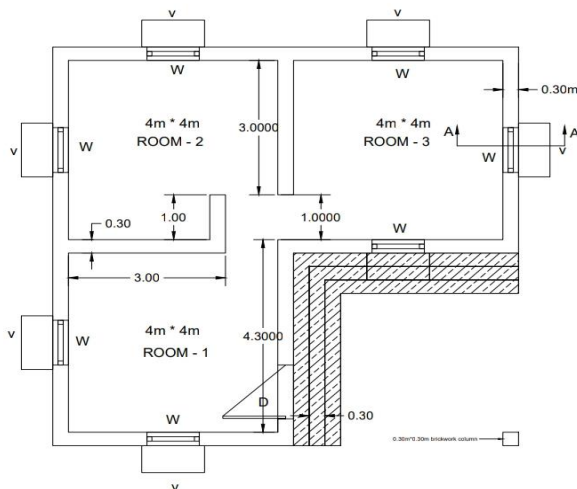
1) Gram Panchayat

Reason for Recommending this Design:-

Motal village currently has a gram panchayat, but its condition is very bad. It can be broken at any time. If there is any work due to such a situation, it is done by sitting outside in the open. Due to which Talati and the people of the village have to face a lot of difficulties in every season. Seeing such a situation, one Talati changed his job to another village. Even if he had come earlier, he would have come for an hour. If there is no panchayat in the village, people would be in a lot of trouble which is why we have given the design of gram panchayat.

Benefit for the villagers

- People do not have to go to another village.
- The cost of transportation will be saved.
- Time will be saved.
- The work of the elderly will be done sitting at home. Talati has gone home and worked.
- People can sit under the roof and work in any season.



PLAN OF GRAM PANCHAYAT

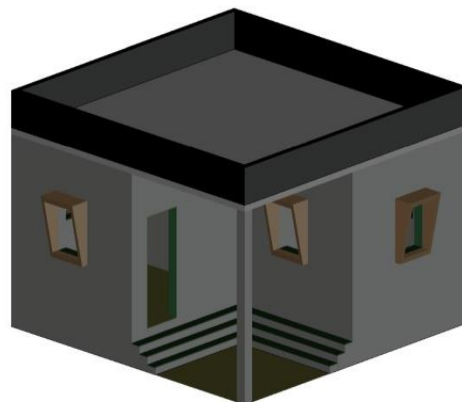


FIG. 3 3D MODEL OF GRAM PANCHAYAT

FIG. 2 PLAN OF GRAMPANCHAYAT

Estimate: 738725 IRS

2) Primary health center

Reason for Recommending this Design:-

If there is a hospital facility in the village then people do not have to go to any other village for treatment. And can be cured very quickly. If any one is injured, the primary treatment can be done in the village. That is why we have given the design of PHC. The PHC were envisaged to provide an integrated curative and preventive health care to the rural population with emphasis on preventive and promotive aspects of health care.

Benefits for the villagers

- Can be cured quickly.
- It can be easily cured in the village itself.
- Timely treatment can be done. To check health.
- No need to go anywhere else to save on transportation costs.

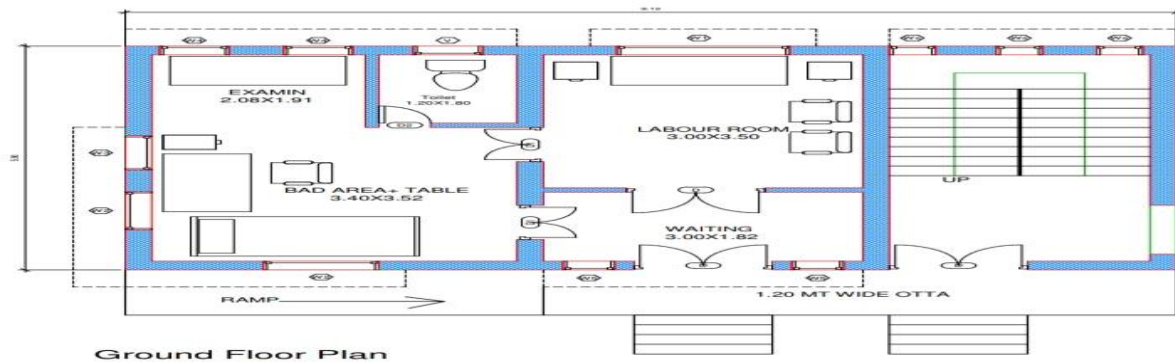


FIG. 4 G.F. PLAN OF PHC

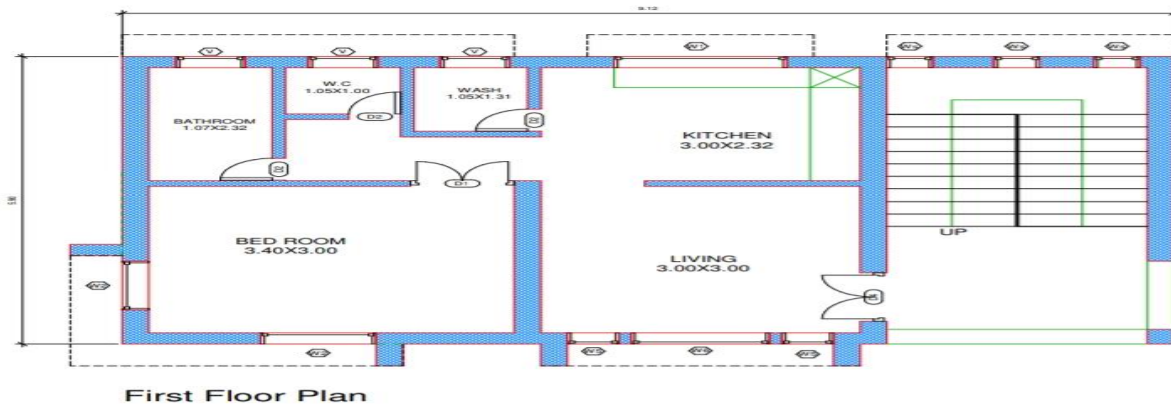


FIG. 5 F.F. PLAN OF PHC

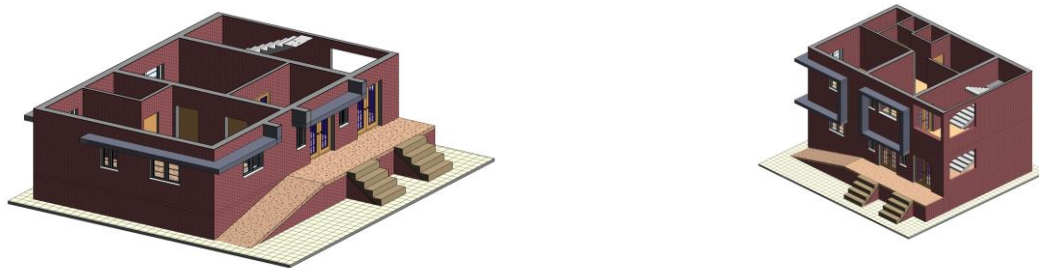


FIG. 6 3D MODELS OF PHC

Estimate: 1490476.13 IRS

3) Post office

Reason for Recommending this Design:-

At present there is a post office in Motel village but the structure is rented and also in dilapidated condition. That is why we have given the design of post office in motel village.

Benefits for the villagers

If it happens to be a post office, the village does not have to pay post office rent for financial gain. Villagers can be found near and at the digital post office.

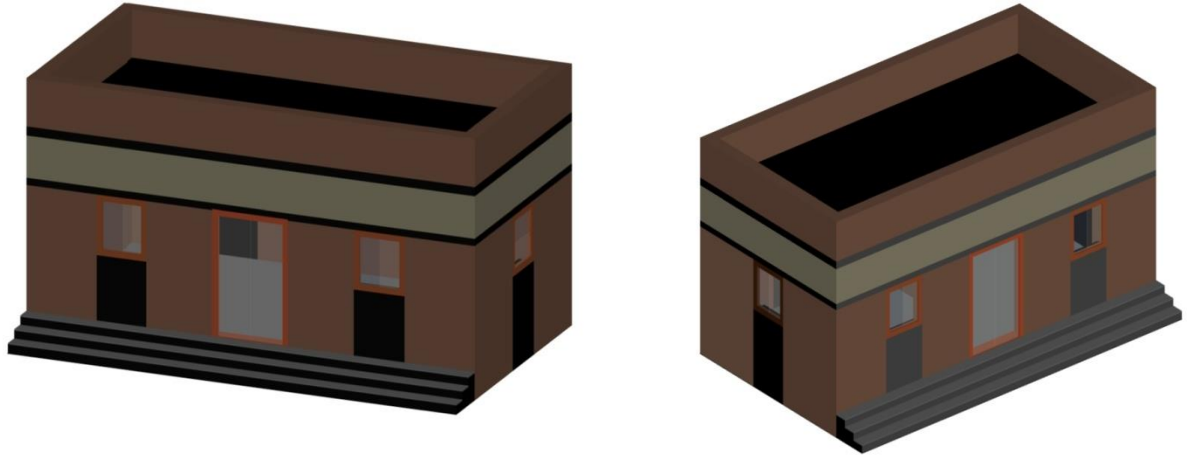


FIG. 7 3D MODELS OF POST OFFICE

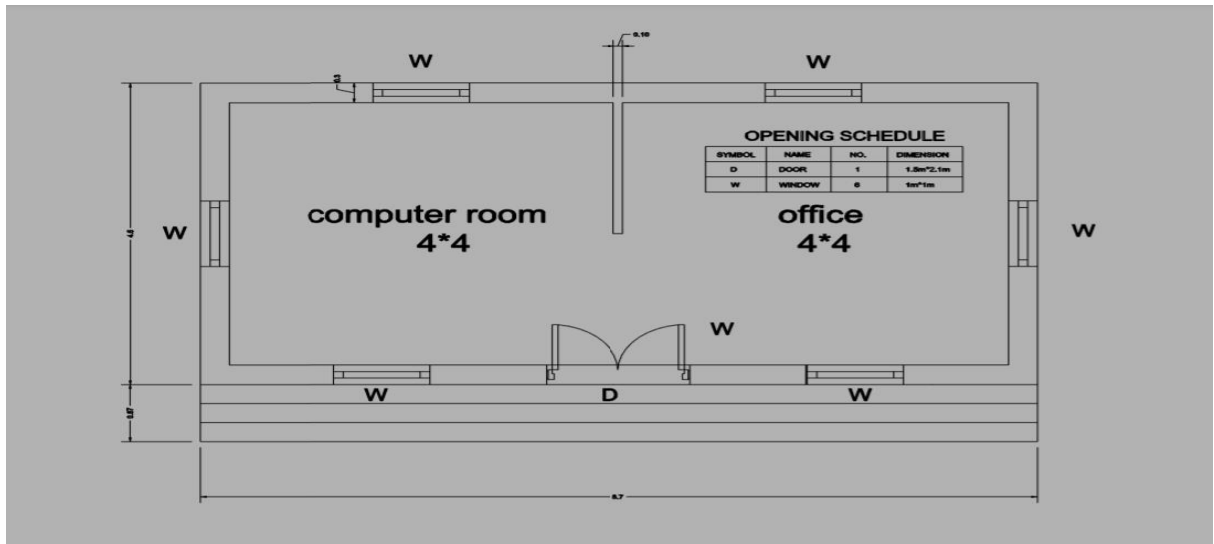


FIG. 8 PLAN OF POST OFFICE

Estimate: 426104.82 IRS

4) Bus stop

Reason for Recommending this Design:-

- There is a valid necessary of the bus stop at the villages because there is no other government transportation is available in the village.

- So, the village people can travel either by walking outside the highway or they go travel with their personal vehicles.
- So, as the part of Vishwakarma project we are suggesting the bus stop in the village so the people of that village can easily travel to other places at the normal cost.

Benefits for the villagers

The people of the village do not have any problem during any season. A good seating arrangement is achieved.

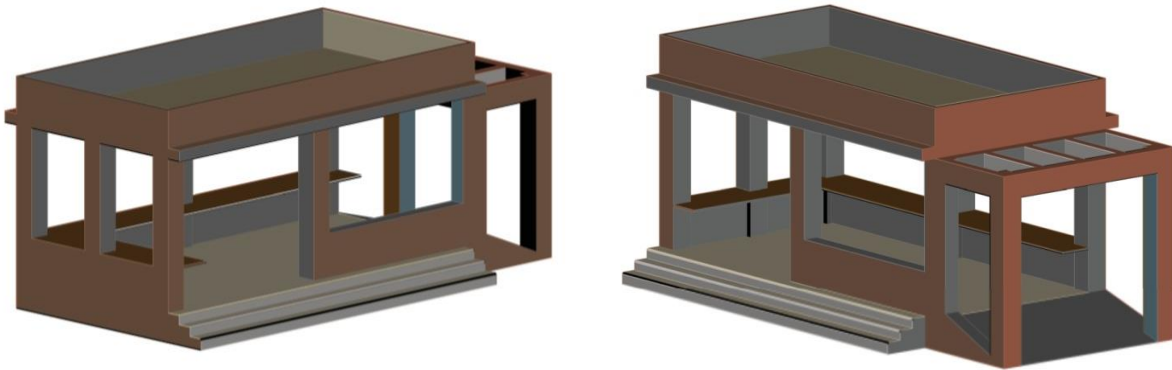


FIG. 9 3D MODELS OF BUS STOP

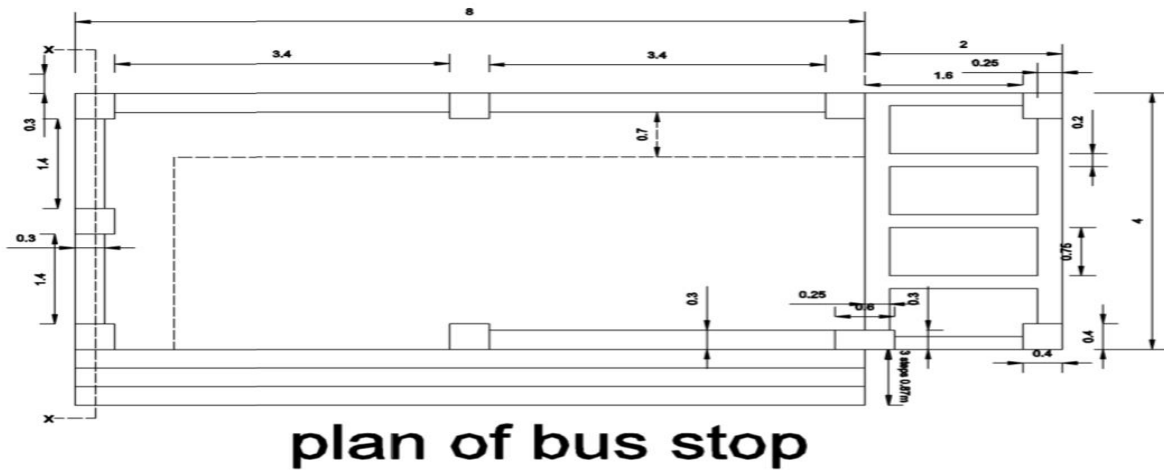


FIG. 10 PLAN OF BUS STOP

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