

# Vishwakarma Yojana

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## ABSTRACT

Vishwakarma Yojana is an important and prestigious project of Government of Gujarat with aim to prepare a complete roadmap of Rurban Development of the villages of Gujarat. It is allotted to Gujarat Technological University by the Government of Gujarat. The government of Gujarat has launched vishwakarma yojana (scheme) in the year 2013-14 for development of villages by identifying the requirements of villages. Under this scheme, the villages are surveyed and this project was identified and selected for implementation.

**Keywords :** Village Survey, Gap Analysis, Provide Basic Amenities And Development, Designing, Estimating And Cost Analysis.

## I. INTRODUCTION

“VishwakarmaYojana” is a project of Government of Gujarat allotted to GTU under which students are to be trained for technical association for rural development. Gujarat Technological University has been allotted an `important and prestigious project of VishwakarmaYojana by the Government of Gujarat.

VishwakarmaYojana is one of the approaches towards Rurbanisation to solve issues of Urbanization. Under this scheme, the villages of “Rurban” area will be adopted by the engineering colleges under the Gujarat Technical University to get benefit of real world experience.

The first phase of the project is aimed to study the present status and techno-economic survey of villages in terms of basic and public amenities, essential commodities, and other infrastructural facilities for the need of people and to prepare report on adequacy

of the available resource with reference to population of the village and growth of the area. With consultation of Local revenue authorities, TDO and DDO the future need of the village keeping to mind the need of days, future targeted population growth, growth of surrounding town or taluka places etc. A projected development plan of the village is required to be prepared under this project as targeted outcome at end. This project can be divided in to three parts (1) Techno-Economic survey of village (2) Development document preparation (Plan and estimate of proposed development) (3) Detailed Project Report (DPR preparation).The objective of the project is to prepare a complete roadmap of Rurban Development of the targeted villages with detailed project report.

“VishwakarmaYojana” to provide the benefit of real world experience to engineering students and simultaneously apply their technical knowledge in the development of infrastructure in Villages. The Engineering colleges would study the identified

villages and make the recommendations on the application of technology to achieve integrated and comprehensive development, through project preparation and management.

## II. METHODOLOGY

The study work will focus the development of trend, intensity of growth of the village, and find out the problems related to the physical development and infrastructure services of the village. Project proposal and sustainability aspect not consider in micro level, it is only guide way. The study focused to only following village.

The project can be divided in to five parts.

1. Data Presentation
2. Visit of Ideal Village
3. Data Collection- Techno economic survey
4. Gap Analysis
5. Recommendation & Suggestions for Village Development
  - Design with rate analysis of physical infrastructural facility
  - Design with rate analysis of social infrastructural facility
  - Design with rate analysis of socio-cultural facility

## III. RESULTS AND DISCUSSION

As per GTU guidelines, GTU informed all the team of Vishwakarma Yojana to present their work in village for the effective implementation of Vishwakarma Yojana. Under their guideline Student's team of village presented the village development plan at panchayat office.

Sarpanch, Talati, All the Panchayat members and village dwellers remained present to know how the development of village is possible and to give their feedback.

Sarpanch and village dwellers shared various problems faced by them while designing such a facilities, we

gave various approaches and also presented management techniques of such facilities with proposed design.

We explained various designs under Physical infrastructure, Social infrastructure and Socio-Cultural facilities such as Repair & Maintenance and Sustainable / Renewable Energy source Planning.

All the basic amenities provide in the rural area is Aim of this project. basic amenities like school, primary health center, medicine, road, drinking water, bank, etc. if basic facilities are available at rural area so reduce migration.

## IV. CONCLUSION

In Vishwakarma Yojana project, we are providing physical, social and socio-cultural infrastructure, renewable energy sources for development of the village. This project is based on the improvement of the existing condition of the village and also provide future scope of the development. It improves the living standard of the village people.

Based on the collected data of the village and survey work, we have proposed designs for further improvement in the village. These proposals will help to improve lifestyle of people.

## V. REFERENCES

- [1] Urban development plans formulation and implementation guidance 2013-14 Vishwakarma yojana portal.
- [2] Wade, R. "The Choice Europe Faces On Immigration." Financial Times 28 June 2000, p.18. Vishwakarma Yojana an Approach Towards Rurbanization VALAD Village.
- [3] IRJABS, 2013, Challenges of sustainable rural development

- [4] Barkley, D. (1995). "The Economics of Change In Rural America." American Journal of Agricultural Economics 77: (5): 1252-58 (1995).
- [5] Report of Orientation Programme of Vishwakarma Yojana held on 1st August, 2013 at BVM College, V.V Nagar, Anand
- [6] <http://www.censusgujarat.gov.in>
- [7] <http://www.rural.nic.in>