



Smart Villages: Progress of Indian Era – Today's Need

Shubham Marwade¹, Nishikant Bhure², Dimark Katre³, Budhdabhushan Sakhre⁴

B.tech, Civil Engineering Department, Madhukar rao Pandav College of Engineering, Maharashtra, India

Abstract: This review paper deals with the progressive conversion of any ordinary village to the smart village or village equipped with all necessities of life. A Village to be a smart area to live in should have an access to sustainable energy resources/services that acts as a catalyst for the overall development of it enabling the provisions for better education, healthcare, access to clean water, sanitation, nutrition, growth of productive enterprises to boost income, enhanced security services, gender equality, democratic engagement, etc.

Keyword: Sustainable, Smart, Women Empowerment, Reverse osmosis (RO), NGO's, CCTV'S

I. INTRODUCTION

The main objective of this paper is to analyse the quality of life spent by humans in the villages of India and suggest ways/measures to improve the same. The study followed a methodology of combining field visits, intensive village studies using a case study approach, analysis, focus group discussions with field officers of the government and the various NGO'S.



Fig 1. Smart Village – India's Need

The results of the study is analysed and discussed here. This paper presents an introduction about the state including the demographic and other related parameters. This is followed by a review of approaches in the five year plans in selected sectors such as forest, land, agriculture, joint forestry, drinking water and energy and rural infrastructures provides case studies with respect to nine village study analysis provides the summary of varying situations across the state's villages with insights into the development with micro level perspectives.

II. CONCEPT

The basic concept of smart village is to collect community efforts and strength of people from various streams and integrate it with information technology to provide benefits to the rural community. According to Mahatma Gandhi's philosophy and thoughts, smart village project provides, "Global means to the local needs."