



SARAL ENGINEERS LLP

(GROUP OF K G CORPORATION)

BUSINESS DEVELOPMENT CONSULTANT FOR **SASA ENVIRO AND AGROTECH PRIVATE LIMITED**

Case Studies from Gujarat

Case Study – 01 (LED Project)

Project Title: LED DISTRIBUTION FOR ENERGY WISE INDIA

Project Description:

The project aims to replace incandescent lamps (ICLs) with energy-efficient LEDs in households in rural Gujarat and neighbouring areas. India's total adoption of LED lighting is still in its infancy, with rural areas favouring traditional energy-inefficient options over LED lightbulbs. Other obstacles to this shift include resistance to change and a lack of trust in new technology. The project will provide rural homes with high-quality LED bulbs that adhere to BIS or BEE standards. Only incandescent light bulbs are eligible to be changed.

Case Study: 02 (Wind Project)

Project Title: VAAYU INDIA WIND POWER PROJECT IN GUJARAT

Project Description:

The project activity involves the supply, erection, commissioning and operation of 64 machines with a rated capacity of 800 KW each. The machines are Wind World E-53 make. The project will generate 115.312 GWh of electricity per year which shall be supplied to the state electricity utility thereby contributing to reducing the energy demand supply gap in the state of Gujarat. The project activity will assist the sustainable growth of the region by providing clean and green electricity to the state electricity grid.

Case Study: 03 (Solar Project)

Project Title: 120 MW SOLAR PV PLANT BY JUNIPER GREEN SIGMA PRIVATE LTD

Project Description:

The main purpose of the project activity is to generate electrical energy through sustainable means using solar power resources, the generated green electricity will contribute to climate change mitigation efforts.

Case study 04 (Biogas Project)

Project Title: HOUSEHOLD BIOGAS PLANTS INSTALLED IN RURAL AREAS OF UTTAR PRADESH & GUJARAT.

Project Description:

The aim of the project is to replace the commonly used inefficient wood fired mud stoves technology, with clean, sustainable and efficient bio gas. The purpose of the project activity is to bundle 4214 and 1773 plants in Uttar Pradesh & Gujarat respectively of varying capacities – 2m³, 3m³, 4m³ and 6m³.



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Case Study 05 (Agriculture Forestry and Other Land Use)

Project Title: VOLUNTARY CARBON MARKET PROJECT FOR AGROFORESTRY PLANTATION IN GODHRA, GUJARAT

Project Description

The project plans to promote sustainable agroforestry for small-scale farmers to provide them with financial benefits and ensure GHG mitigation in the state of Gujarat, India. The project is being conducted in the Godhra Circle spread across the Panchmahal district. The total project area is 1972 h.a. and the agroforestry plantations done by the farmers from 2018 to 2020 have been considered. The main agroforestry species planted in each village during 2018, 2019 and 2020 are Eucalyptus globulus and Tectona grandis (Teak).