

GOALPARA - GREEN TECHNOLOGY



chrung; 2018. Road construction had come to a standardl in Godjava, Assams there was no stone construction material available since stone quarter had shat down on engine of their lesses proised. The situation further womened when, in March 2018, the BCC bedge on NH 37—the main lifeline for the Dissirie. was securely distressed at Keinhaul challing the delivery route for construction materials. In the meantime, a project for \$55 Km of much needed road length was susctioned by the National March Infestruction. Development Agency (NRIDA) (Group of the National maintains, to holder one forwards to carry out the works. This was in the backdrop of the fact that pace of constructing PMGSY) roads for the dedictic had abusy been slaggish due to a variety of reasons. The situation appeared black nodes.

block indeed.

In the face of challenges caused by depleting natural resources, closure of stone quarters and begisted bortheuecks, the district authorities started a frantic search for possible solutions. The idea that emerged was to connect all read labalitations with all-seather eneral roots along inflavativest great technologies and using control and the solution of the control of the cont

Administration.

The initiative also promised to solve a sorder problem—that of plastic pollution. It had been observed that clogged drains were the root cause of frequent flash floods experienced by the district. Many cases of animals choking due to consumption of plastic had lob been observed that choking due to consumption of plastic had lob been reported. The plant to success was definitely less praved than the beautiful "green coads" subsequently built under the insistive. Substitution of conventional materials for road controlled to some public resistance. Local people were not familiar with use of new materials false waste plastic, ground; cold-mix, center concerte blocks and were instally a little apprehensive. Through a series of awareness meetings and demonstrations, the Dentite Administration act only alleged all reservations and built consensus but soon had people actively cooperating and demonstration, the order in the three choices. In the initial peored, sourcing of green material was a challenge. However, this was resolved within a few months as local manufacturing units came up—with some initial lamdoloding—within the destrict of manufacturing the material. This also provided new employment avenues for the local youth.



OBJECTIVES

- REDUCING DEPENDENCE ON CONVENTIONAL MATERIALS FOR ROAD DEVELOPMENT.
- INTEGRATE PLASTIC WASTE MANAGEMENT WITH ROAD CONSTRUCTION

OUTCOMES

OUTCOMES

Green Technologies like Waste Plastic Technology, Gell Filled Concerne Technology, Geograf Technology, Tenax 3D Gridsly, Gold Mir Technology and Instrucking Geograf Technology (Fenax 3D Gridsly, Gold Mir Technology and Instrucking Concerne Personnel Back (LRD) have abpled complex 25 ficks and roads pegging the schievement at 300% of the annual target. Goolspan District was recognised for being the 1st in the tate to use waste planic technology for construction of roads under various schemes. With the use of Cell-Filled/Panel Concerne Technologies 76.61 han of roads under others state spononed schemes. Likewise fox Geo-Grid, Cold Mix and Coment Concerne Block Technologies, 19.40 km, 26.54 km and 107.48 km Roads have already been contracted under PMGSY alone.

Carrying forward the aim of greening, afforestation was carried out to compensate for the trees felled along the road alignments. 3000 saplings of various plant species were planted along various rard roads constructed in the district. The districts booker with the neighbouring state of Meghalays in a stream care with desire forest cores where connectivity grows a major challenge. To overcome the problems of supervision and properties of the problems of the problems of supervision and problems of the problems of the problems of the problems of problems of the problems of the problems of the problems of applications are supervised to the problems of the problems of applications of the problems of the problems of the problems of paging of roads and satisfaction levels of the public from use of green material and technology in construction of roads.

technology in construction of roads.

The introduction of roads constructed with the help of green material and technology has unbered in a new era of all roand socio-economic development in the district. These all weather roads have brought in new economic opportunities, reducing poverty by opening a pacces to road mattest where the local communities including agriculturists can now sell their produce at more remunerative prices. The freedom of mobility also provided more opportunities for socio-policial, administrative activities in rural areas. People have started getting access to better medical facilities. Connectivity through one words has also discreased confidence in schools. There has also been a gradual increase in entrepreneurial activities in the district.

Even as it has been building roads, the district administration has also embarked on ecological restoration and waste recycling for undoing the damage to the environment. It will ensure a better and genered fruster for the generations to come by transforming into reality the vision of "Clean Goalpara, Green Goalpara".