

Problem statement description

Cost effective innovative solution for long distanch (3 to 8 kms) wireless (LAN) Broadband Connectivity to sparsely located individual households in rural areas (Last mile Connectivity) from Fram Panchayat (USO) ONT locations. Under Bharat Net project of Deptt. Of Telecom, fibres have reached to more than a lakh of Gram Panchayats. But extending broadband connectivity from these Gram Panchayat ONTs to individual households located at a distance of 3 to 8 km is a problem. Extending fibre to individual houses is expensive, messy and very difficult to maintain in far flung rural areas. WiFi connectivity has short range problem. Benefits: It can offer a cost effective solution to last mile broadband connectivity [problem, which will facilitate greater broadband penetration to rural population. It will ensure the proper utilization of USOF Bharat Net fibre and also help in bridging the Digital Divide to a greater extent.