Fibre To The Panchayat

With 70 per cent of India's population residing in rural villages, Alphion India Pvt. Ltd is making strides to provide the entire nation with reliable and high quality GPON technology. There is an urgent need to build effective and efficient Public Information infrastructure as to ensure that the people of India are connected not just with peoples of their own country but with information available on a global scale. For the rural community to be truly empowered, information has to be placed in their hands to create a sense of ownership, awareness of rights and intellectual growth.

In rural India there are the 250,000 Panchayats which are the foundational nodes of information collection and multimedia dissemination as well as service delivery points. Panchayats are the key administrative interface for connecting all of India and provide the requisite resources for capturing data and information about job cards, allocation of works, and payments to the beneficiaries. Similarly, Panchayats can play a pivotal role in the delivery of other key services and programs such as food security, financial inclusion, agriculture, health, education, etc.

Increasingly, the importance of broadband as a contributor to national development and growth is being highlighted the world over. According to a World Bank Report1 a 10% increase in broadband penetration leads to a 1.38 per cent increase in per capita GDP in developing economies. This finding is the average of several countries' data. However, the broadband penetration in India is just 0.74% compared with a tele-density of around 60% and hence a growth in broadband deployment can unleash a significant wave of growth in the country.

Alphion Inaugurated the Sarwan Panchayat, Uttar Pradesh Rural Broadband Center on September 1st 2010. The Community Center services made available to the village included Cable Television, Internet, Digital Voice, and Telemedicine Services with Lucknow & Allahabad Hospitals as well as GPON connectivity to elementary schools, middle schools and residential homes.

Information cited from Broadband to Panchayats: Empowering Panchayats & Rural India by 'Democratizing Information through Broadband' Released by the India Office of Adviser to the Prime Minister on Public Information Infrastructure and Innovations with the exception of the following source: 1 "Information and Communication for Development 2009: Extending reach and increasing impact", World Bank

Fiber to the Future®

The figure below illustrates the connectivity in the panchayat's FTTP rollout, where in the Alphion ONT is powered using the solar energy. The panchayat is enabled with high bandwidth capability powered by Alphion GPON Access technology. The access deployments provides broadband connectivity to the rural areas thus enabling broadband services of HSI (High Speed Internet Service), Telephone, Voice of IP (VoIP), IPTV, Video On Demand (VoD), Wi-Fi, Mobile backhaul, and many other IP services to the entire panchayat.

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