# Bharat Air Fibre: Wireless Internet

Why in News

Recently, **Bharat Air Fibre Services** have been inaugurated at **Akola in Maharashtra** providing the residents **wireless internet connections** on demand.

Key Points

- The Bharat Air Fibre services are being **introduced by Bharat Sanchar Nigam Limited (BSNL)** as a part of the **Digital India** initiative by the Government of India. It is **being scaled pan-India**.
- **Aim:** To **provide BSNL fibre-to-the-home (FTTH) wireless connectivity up to a range of 20 km** from the BSNL points of presence.
- **Features:**

  - The **connectivity speed is 100 Mbps** and BSNL is offering **various broadband plans in wireline and wireless segments**.

    - There is a huge demand for high-speed broadband service in the present situation as there is the **migration** of people from metro cities to rural areas due to the **Covid-19 pandemic**.
    - The service is becoming popular due to **Work from Home** (WFH), **e-learning, online shopping, gaming and entertainment,** etc. amidst **lockdowns**.
  - BSNL is also providing **unlimited free voice calling**.
- **Mechanism:** It provides high-speed broadband to subscribers of remote areas by **bridging the gap of last-mile connectivity through** radio waves.

  - A vast network of **Optical Fibre** has been laid by BSNL up to nearest Telephone Exchange or Mobile Tower and from there the connectivity is provided to subscribers over wireless.

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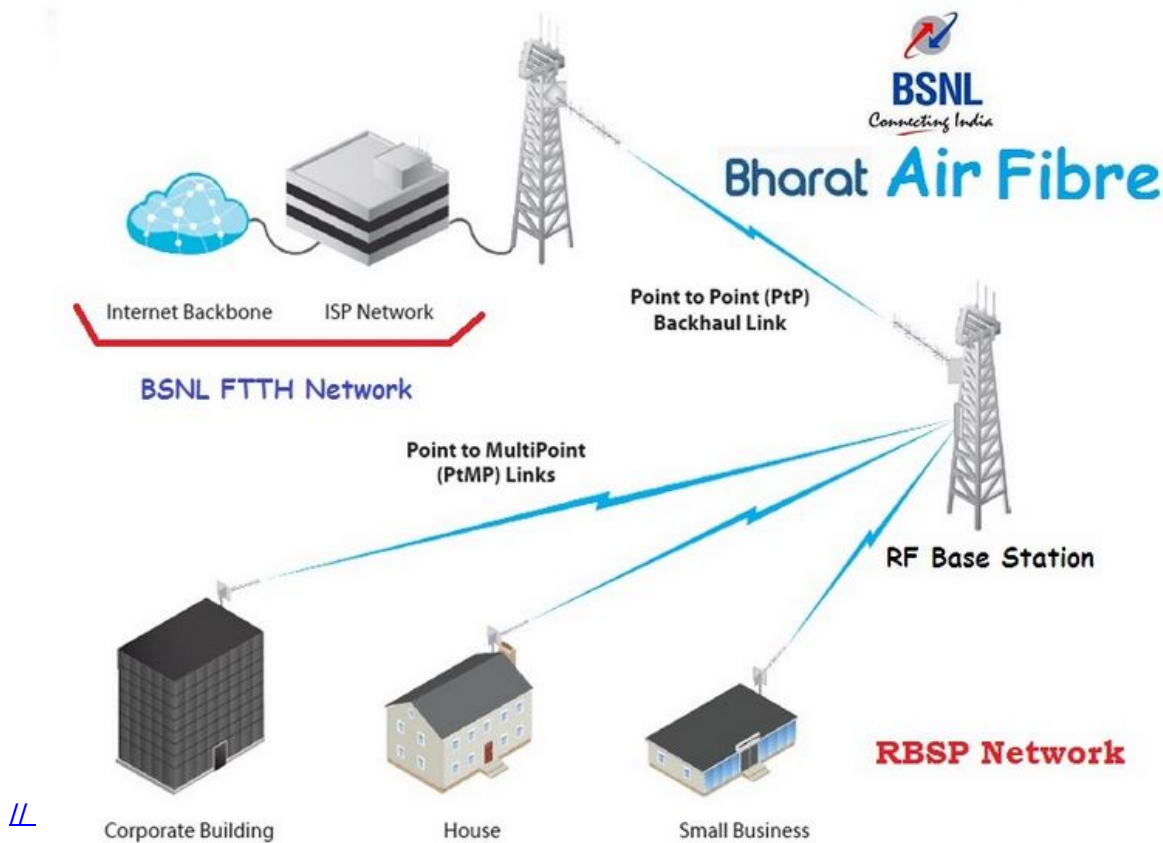
- **Benefits:**

    - Customers at remote locations will be benefitted as BSNL comes with the **cheapest services** with the support of **Telecom Infrastructure Partners** (TIPs).
    - These services are **wireless** and there are **very low chances of interruption** in services locally.
    - BSNL is **tying up with local entrepreneurs/unemployed youth** on revenue sharing basis thereby **generating employment** in rural areas.

        - They will earn a regular monthly income of about one lakh per month thereby **becoming self-reliant** under the **Aatmanirbhar Bharat** initiative.
    - This service could be a game-changer for rural areas as with a little **integration of** Internet of Things (IoT) **and sensors**, the **moisture content of soil can be known** on a real-time basis, so that **irrigation can be planned**, resulting in **saving of water and thereby increasing productivity**.
    - Sensors can be **tied to the neck of dairy cattle, enabling continuous recording of body temperature** so as to know the exact time when milk output is best.

Source: PIB

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