

About Fiber Grid Project

- Andhra Pradesh State Fibernet Limited (APSFL) – 100% PSU controlled by E, I & I Department
- Fiber Grid across State, District, Zonal & Mandal levels
 - One of the 5 grids identified by Govt. to harness the power of information resource
 - Provide Triple Play services - DATA (High speed internet to households & offices), VIDEO (IPTV) & VOICE (Telephonic connection) to the citizens of AP
- **Projected Reach** – 3 million in next 1.5 years & 15 Million households in next 3 years
- **24 core ADSS Optic fiber Cable**
 - Laid for 23000 km over electric poles
- **Last Mile Services** are delivered through local players – LCO/MSOs through Points Of Presence located in Sub-stations (12,000+ MSOs/LCOs enrolled so far), Controlled at Network Operations Center at Vishakhapatnam
- Backend electronic systems being set up at **PoPs at 2499 substations**



Current Service Report

- Triple Play Service Live in 8 districts
- User base – 5000
- Maximum Concurrency for LIVE – 1200 to 1400
- Maximum Concurrency for VOD – 250
- 250 LIVE channels & 500 movies
- 30 Catch Up TV Channel with 7 Days All Program



Corpus Offerings

1. IPTV Set Top Box (Android) + IPTV middleware + DRM + Content Services on revenue sharing + Android & iOS app with Soft Remote – Term engagement of 3 years
 2. Streaming Services – Proprietary LINUX based system supporting HLS & DASH. Streaming Server with a capacity to handle 1.8 million concurrency for LIVE & 3000 concurrency for VOD
 3. Integrated with Gracenote for EPG (Multi Lingual Support for EPG)
 4. **Middleware Services** –
 - ✓ IPTV – 250 channels including HD Channels
 - ✓ VOD – Movies on Demand
 - ✓ Catchup TV
 - ✓ Ad Platform – Ad upload and management
 - ✓ AP Govt. Initiatives Showcase
 - ✓ App Store – Online Shopping (Flipkart, Amazon, Snapdeal, Local deals), eNews (Indian Express, Hindu etc), eSeva (Govt. Forms, Govt. Orders, Govt. tenders, eSeva centers), Online Bill Payment, Education (Universities, Colleges, Schools, ePathshalas)
 - ✓ **Video Conferencing** – Skype
 - ✓ **Social Apps** – Facebook, YouTube etc
 5. IPTV Frontend currently supports English & Telugu for APSFL. Provisioned to support more languages
 6. **Digital Right Management(DRM) Service**
 - Corpus Provided Digital Rights Management (DRM) which is based on Marlin DRM open-standard content protection system for consumer devices and services.
 - Finger Printing Support
 - OSD Support
- ✓ Citizen Oriented Surveys
 - ✓ Radio
 - ✓ User Generated Content (Content Playback from direct YouTube Channels)
 - ✓ Content on education
 - ✓ PVR – Program Recording
 - ✓ Telemedicine – Content on Health & Medicine
 - ✓ Real time weather information
 - ✓ Messaging Facility –Pushing messages to customers
 - ✓ Reminder – Reminds the schedule of favorite Program



How a user is getting AP Fiber Service

1. Services are bought through MSO & LCO
2. User needs to buy 2 boxes – GPON box (For internet & telephone services – provides network connectivity to IPTV) & IPTV Box (For IPTV – 250 channels & Wi-Fi)
3. 2 boxes for Rs 4000/- (2 options to pay Rs 1700/-, Rs 99/month for 3 years or Rs 500/- , Rs 99/month for 4 years)
4. Households: Basic Package – 250 channels – 15 mbps – 5 GB at Rs 149/-, Other packages - 25GB at Rs 399/-, 50 GB at Rs 599/-
5. Businesses: 100Mbps@Rs.1000
6. ZTE is the partner for providing the telephone connectivity & user has to buy a telephone device for the same. Unlimited free calls between AP fiber customers