



BSNL FTTH Problems & Solutions

KOTTAYAM/PATHANAMTHITTA BA

FTTH Common Issues

IN THIS, WE HAVE INCLUDED THE COMMON FTTH ISSUES WE HAD GONE THROUGH.

SPEED ISSUES, DATA USAGE CHECK, PLAN CHANGE, PON RED INDICATION, OPTICAL RECEIVE POWER, MTU ISSUES, DNS ISSUES, DISCONNECTION AND RECONNECTION ISSUES, VPN ISSUES ETC. ARE INCLUDED WITH THE BEST OF OUR KNOWLEDGE.

HOPE THIS WILL BE HELPFUL FOR YOU.

PON Light Indications:

IF PON LIGHT IS RED / NO LIGHT :

REASON: FIBER BREAK OR LOW /HIGH POWER.

IF PON LIGHT IS BLINKING :

REASON: OLT/ONT CONFIGURATION ISSUE.

****** FOR THE PROPER WORKING, PON LIGHT SHOULD BE STABLE IN GREEN LIGHT.***

SPEED Issues

Speed issues are related with following parameters;

- **Fiber power** : It should be between **-14db and -25db** to get optimal speed.
- **MTU Size** : Mostly MTU size are related with network elements of different server/nodes. We can check by different MTU sizes between 1400-1500. The most common **MTU** value in BSNL is **1460**.
- **DNS** : (if the Ethernet Adaptor symbol shows **Yellow Triangle Exclamation** mark on it and Internet not getting, can also be solved by the below DNS setting on ONT or Ethernet IPv4 setting of system).
- Set DNS as **61.1.1.1 & 61.0.3.3** of BSNL (Primary & Secondary) . **or**
Set DNS as **8.8.8.8 & 8.8.4.4** of Google (Primary & Secondary).
- 802.1p - Select as “Null” in ONT configuration for better speed.

MTU Setting

**Normally ONT IP will be
192.168.1.1
or 192.168.0.1**

Type it in any browser-

**Username: admin
Password: admin / password /
stdONU101 / system (any of
these)**

**Go to network - WAN - and as
shown in figure**

Status	Network	Security	Application	Management
met	Binding	LAN IP Address	WLAN	Remote
		LOID Configuration	QoS	Time
				Router

WAN Configuration

Connection Name:	2_INTERNET_R_VIC ▼
Mode:	Route ▼
IP Protocol Mode:	Ipv4 ▼
<input type="radio"/> DHCP	Get an address from ISP
<input type="radio"/> Static	Get a static IP address from ISP
<input checked="" type="radio"/> PPPoE	Select this when using PPPOE
<input type="checkbox"/>	Enable PPPOE Proxy
Enable NAT:	<input checked="" type="checkbox"/>
Enable Vlan:	<input checked="" type="checkbox"/>
Vlan ID:	100
802.1p:	(null) ▼
MTU:	1460
UserName:	test_sid@fth.bsnl.in
PassWord:	*****
Service Name	int
PPP Type	Auto Connect ▼
Service Mode	INTERNET ▼
Turn off LAN DHCP:	<input type="checkbox"/>

DNS Setting

Generally **DNS** is the only system in the entire world that can help you browse the internet without its IP address. You can use Either BSNL Exclusive DNS or Google DNS .

Proper DNS Setting will:

- Increase the speed of Network.
- Website resolving (In case of any particular website) capability will be improved.
- **61.1.1.1 & 61.0.3.3** for BSNL.
- **8.8.8.8 & 8.8.4.4** for Google.

DNS setting at ONT →

The screenshot shows the NET Link Network configuration interface. The 'LAN IP Address' tab is selected. The 'LAN Settings' section is visible, showing the IP Address (192.168.1.1) and Subnet Mask (255.255.255.0). The 'Enable DHCP Server' option is selected. The 'Lan Dns Mode' is set to 'Static'. The 'Primary Dns' is set to 61.1.1.1 and the 'Secondary Dns' is set to 61.0.3.3. The 'DHCP Server IP Address' is set to 172.19.31.4. The 'Edit Reserved IP Address' button is at the bottom.

Network			
Status	Network	Security	Application
Internet	Binding	LAN IP Address	WLAN
Remote	LOG-Configuration	QoS	Time
Route			

LAN Settings

Configure the IP address and subnet mask of the LAN access ports of the CPE. CLI configuration.

IP Address: 192.168.1.1
Subnet Mask: 255.255.255.0

☐ Disable DHCP Server
☒ Enable DHCP Server

Start IP Address: 192.168.1.2
End IP Address: 192.168.1.254
Lease Time: One Day
Lan Dns Mode: Static

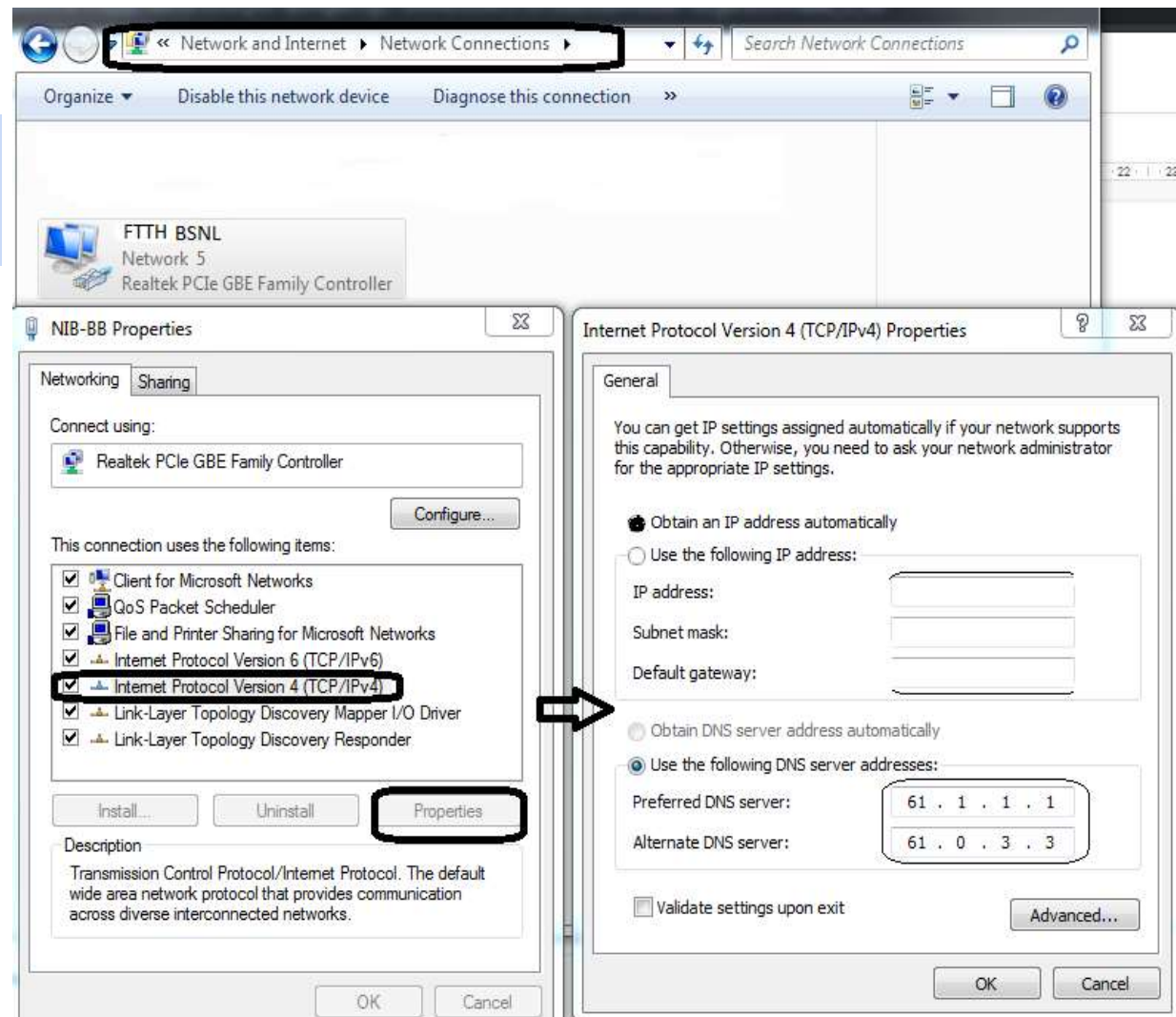
Primary Dns: 61.1.1.1
Secondary Dns: 61.0.3.3

☐ Enable DHCP Proxy
DHCP Server IP Address: 172.19.31.4

Edit Reserved IP Address

DNS Setting

We can set DNS value individually at PC / Laptop / Mobile etc. as per requirement.



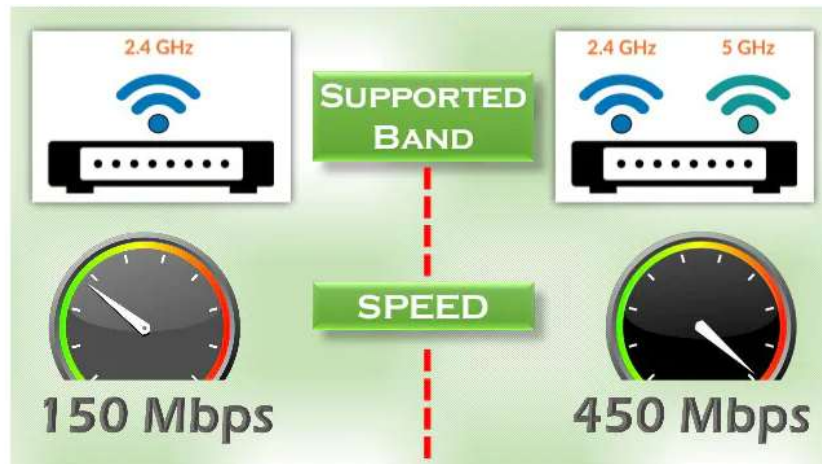
SPEED Issues

In case of FTTH plans above **100 Mbps**;

- EPON/GEPON OLTs/ONTs have limitation for providing speed above 100mbps. GPON OLTs/ONTs will perform better.
 - Customer PC/Laptop Ethernet port should be Gigabit Ethernet.
 - Use cat 6 Ethernet cables. (**Cat 6** is cable that's more reliable at higher speeds than **Cat 5** or **Cat 5e**.)
 - PCs/Laptops should have enough processing capacity. Processors should be I3 or above.
 - Most of the Mobile devices are limited with around 60mbps or below speed.
-

SPEED Issues

- WIFI need Dual Band Antennas for ONTs/Routers (2.4 GHz (802.11g/N) and 5.1 GHz (802.11a/N))

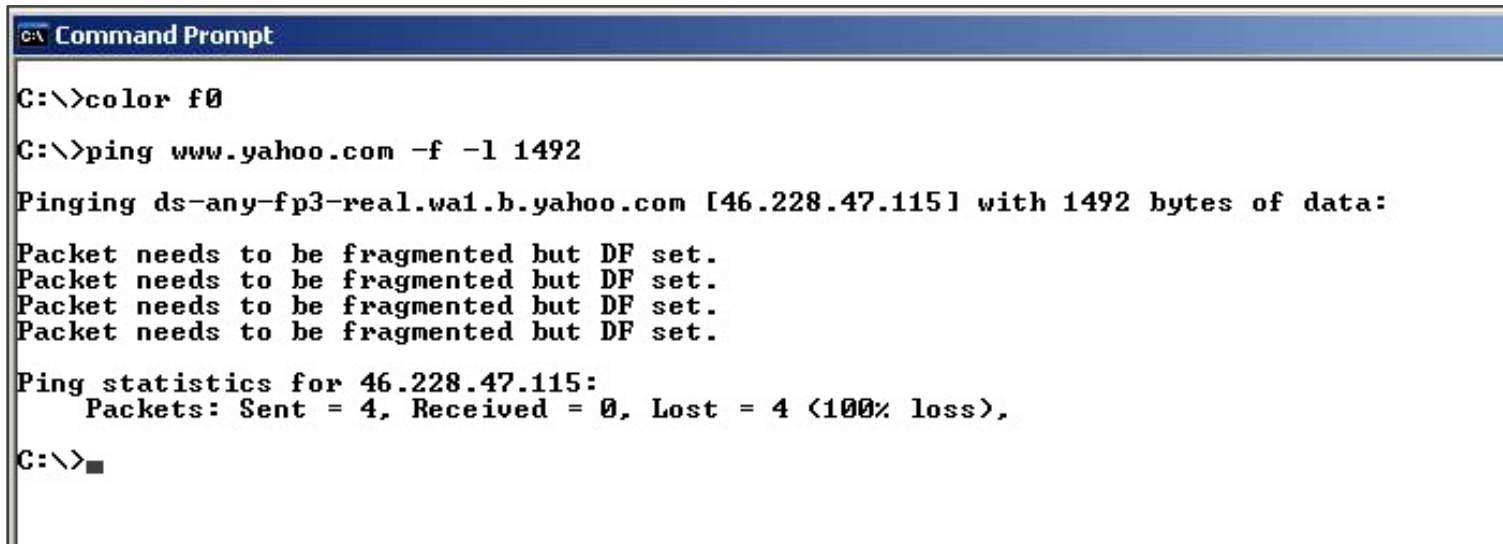


Range of Dual Band Antennas in WIFI



If any website/application is not getting ...

1. In Windows, go to **Start** and select **Run**.
2. Type in **cmd** (Windows 2000/XP) or **command** (Windows 98/ME) into the **Open:** field. Hit the enter key or click **OK**.
The DOS prompt should open.
3. At the DOS prompt, type in **ping www.yahoo.com -f -l 1492** and hit the Enter key:



```
C:\>color f0
C:\>ping www.yahoo.com -f -l 1492
Pinging ds-any-fp3-real.wa1.b.yahoo.com [46.228.47.115] with 1492 bytes of data:
Packet needs to be fragmented but DF set.
Packet needs to be fragmented but DF set.
Packet needs to be fragmented but DF set.
Packet needs to be fragmented but DF set.
Ping statistics for 46.228.47.115:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
```

The results above indicate that the packet needs to be fragmented. Repeat this test, lowering the size the packet in increments of +/-10 (e.g. 1472, 1462, 1440, 1400) until you have a packet size that does not fragment:

```
C:\> Command Prompt

C:\>ping www.yahoo.com -f -l 1400

Pinging ds-any-fp3-real.wa1.b.yahoo.com [46.228.47.115] with 1400 bytes of data:

Reply from 46.228.47.115: bytes=1400 time=127ms TTL=51
Reply from 46.228.47.115: bytes=1400 time=117ms TTL=51
Reply from 46.228.47.115: bytes=1400 time=120ms TTL=51
Reply from 46.228.47.115: bytes=1400 time=120ms TTL=51

Ping statistics for 46.228.47.115:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 117ms, Maximum = 127ms, Average = 121ms

C:\>■
```

Begin increasing the packet size from this number in small increments until you find the largest size that does not fragment. Add 28 to that number (IP/ICMP headers) to get the optimal MTU setting. For example, if the largest packet size from ping tests is 1462, add 28 to 1462 to get a total of 1490 which is the optimal MTU setting. Change the MTU on the routers WAN Setup.

VPN Issues with ONT

If a particular customer complaints about his VPN is not getting via his ONT....

Please check the MTU Size needed for his VPN and apply it.

For Eg: **Global Protect** VPN need 1460 in ONT & 1300 in Global Protect VPN Adapter setting.

Most of the ONTs support VPNs. **In case of not supporting, please ask the ONT Vendor for firmware upgrade.**

Important Security Aspects

1. All are requested to change MODEM/FTTH ONT login password with a difficult one. (With Alphabets/ Numerics/ Special Characters).

2. Old ONTs have firmware updates available. Please update soon.

3. Use carefully and only in urgent situations :Remote access like Anydesk, Ultraviewer, Team viewer etc. After use make sure that it is log off and closed.

4. Install a good antivirus in PCs/Laptops/Mobiles. Also use firewall in OS for Internet access.

5. Shut down systems and Internet access devices after use.

6. Deny location sharing and device access for apps when it is not used(Deny full access, if it not necessary) .


7. Use WiFi passwords for Access points.

8. Don't share your IP details, Internet usernames to anyone.

9. Don't save your bank/atm/email passwords and credit card no.s in mobiles or in online platforms and also in browsers .

10. Stay safe with your Private Data.

Data Usage check via selfcare.bsnl.in

**भारत संचार निगम लिमिटेड Bharat Sanchar Nigam Limited**

Android iOS WPB Help Contact Us Feedback

Welcome to the new selfcare portal. If you are an existing selfcare portal user, Please re-register with your email id in the new port

Facilities for Unregistered Users

- Wireline Wireless
- New Services(Self Onboarding) *New*
- New Services(By Agent) *New*
- Wings Service Booking *New*
- Track New Service Request
- Go Green(opt for E-Bill Only) *New*
- Pay your bill(s)
- Loyalty Rewards Scheme/FAQ
- Register Complaint
- Track Complaint
- Change Broadband Password
- Leased Circuit Cost Estimation

Welcome To BSNL

Username: *

Password: *

Captcha: *

☒ Login with Password ☐ Login with OTP ☐ Reset Password

Login

Sign Up

Sign in with Facebook

Sign in with Google

Facilities for Registered Users

- Wireline Wireless
- View/Pay Bills/Sign up for E-bill
- Check Landline/Broadband Usage
- View/Redeem Loyalty Points
- Track Order/Complaints
- Change Broadband Password
- Update Customer Profile
- Schedule Conference



Options

Manage Account <

Password Managment <

Opt for New Service <

Schedule Conference

Directory Enquiry

My Accounts

Wireline

Wireless

Note:

- Wireline services include Landline, Broadband, Bharat Fiber, ISDN, FMT, MMVC and Leased Circuit.
- Please click on billing account number to see usage, view bills and other details.

Show 10 entries

Search:

Name	Service Id	Customer Id	Billing Account Number	Service Type	Detach
[REDACTED]	0481-2970888	4023834155	9038547071 →	BHARAT FIBER BB	
[REDACTED]	0481-2970888	4023834155	9038547071 →	BHARAT FIBER VOICE	

Showing 1 to 2 of 2 entries

Previous 1 Next

Add Customer Account



Options

Manage Account <

My Services <

Modify Services <

Register Complaints <

Update Billing Profile <

Bills & Payments <

My Usage <

Manage Loyalty Points <

Account Profile <

New Services <

Schedule Conference

Bills & Payments

Billing Account No: 9038547071

Landline No: 0481-2970888

Outstanding Amount

due on 2020-07-21

₹ 0

[✓ Pay Now](#)

[> Go to Bills & Payments](#)

Unbilled Amount

till 2020-07-20

₹ 0.00

[🔍 View Bills](#)

My Usage



Wondering how you most use your services?
You can view your usage details and export it
as PDF or .xls

[> Go to my usage](#)

My Complaints




As we constantly strive to improve our
services, we do not take grievances lightly.

Loyalty Management



We appreciate your trust in us and provide our
customers with a Loyalty Scheme. You can

Options
Manage Account <
My Services <
Modify Services <
Register Complaints <
Update Billing Profile <
Bills & Payments <
My Usage ▾
Usage <
Broadband Usage <
Manage Loyalty Points <
Account Profile <
New Services <
Schedule Conference



भारत संचार निगम लिमिटेड
BHARAT SANCHAR NIGAM LIMITED

Options
Manage Account <
My Services <
Modify Services <
Register Complaints <
Update Billing Profile <
Bills & Payments <
My Usage <
Manage Loyalty Points <
Account Profile <
New Services <
Schedule Conference

BB Cumulative Billed Usage

Telephone no/Service ID: * 0481-2970888(BHARAT ▾

From: * 07/01/2020

To: * 07/20/2020

→ Go



Options

Manage Account

My Services

Modify Services

Register Complaints

Update Billing Profile

Bills & Payments

My Usage

Manage Loyalty Points

Account Profile

New Services

Schedule Conference

BB Cumulative Unbilled Usage

Telephone no/Service ID: 0481-2970888(BHARAT)

From: 07/01/2020

To: 07/20/2020


Go

*Please click on the icons to Download the data in excel or pdf respectively

Cumulative Unbilled Usage details

BB (1 of 1)					
Total Upload Vol(MB)	Total Download Vol(MB)	Total Vol(MB)	Total Chargeable Units(MB)	Total Duration	BB Plan
7715.19	118720.48	126435.68	0	35:56:33	500 GB CUL CS353-Bharat Fibre

Plan change via selfcare.bsnl.in

 **भारत संचार निगम लिमिटेड** BHARAT SANCHAR NIGAM LIMITED

Options


- Manage Account <
- My Services <
- Modify Services >
 - Change of Tariff Plan**
 - Change of Features
 - Change BB Password
 - Shift a Landline
 - Add To Centrex/IP Centrex
 - Remove From Centrex/IP Centrex
 - Track My Service Change
- Register Complaints <
- Update Billing Profile <
- Bills & Payments <
- My Usage <

Bills & Payments

Billing Account No: 9038547071
Landline No: 0481-2970888

Outstanding Amount due on 2020-07-21 ₹ 0 Pay Now	Unbilled Amount till 2020-07-21 ₹ 0.00 View Bills
---	--

> Go to Bills & Payments

My Complaints

As we constantly strive to improve our services, we do not take grievances lightly. View and Register complaints here to help us.

Dear Sir/Madam



The right plan can help you maximise the value for your money. And this is where it is done!
Click on the plans to view its description. Plan change is allowed in the following combinations only.

1. Voice Plans to Voice Plans
2. Broadband Plans to Broadband Plans
3. Voice Plans + Broadband Plans to Combo Plans
4. Combo Plans to Combo Plans
5. Combo Plans to Voice Plans + Broadband Plans

Declaration

Service Type

Select Plan

Confirmation

Please declare that you have read and understood the following terms.

Terms and Conditions

1. Plan can be changed only once-a-month.
2. You cannot cancel the raised request once it is submitted.

☒ I have read and understood the stated terms and conditions.

Drag the cursor around the text you want to capture.

→ Next

Dear Sir/Madam



The right plan can help you maximise the value for your money. And this is where it is done!
Click on the plans to view its description. Plan change is allowed in the following combinations only.

1. Voice Plans to Voice Plans
2. Broadband Plans to Broadband Plans
3. Voice Plans + Broadband Plans to Combo Plans
4. Combo Plans to Combo Plans
5. Combo Plans to Voice Plans + Broadband Plans

Declaration

Service Type

Select Plan

Confirmation

Please provide the change related details

Telephone Number / Service ID *:

0481-2970888 (BHARAT FIBER BB)

	Existing Plan ID	Existing Plan Name
●	704449	500GB CUL CS353-Bharat Fibre

← Back

→ Next

<

<

<

DeclarationService TypeSelect PlanConfirmation

Select a New Plan to replace the Old Plan

Your default subscription will be in the Monthly component.To change to Annual subscription, please visit the nearest BSNL Customer Service Center. To continue with Monthly component, select your plan and click on next.

AccountBill Me TypeQuick L

Plan Description for 750 GB PLAN

Name	Rental	Free Units	Charge
Bharat Fiber BB - Fixed Annual Charge	15324		00 Per Kilo E
Bharat Fiber BB - Fixed Monthly Charge	1277		00 Per Kilo E
Bharat Fiber BB - Fixed Bi-Annual Charge	30648		00 Per Kilo E
Bharat Fiber BB - Fixed Tri-Annual Charge	45972		00 Per Kilo E
Bharat Fiber BB - Fixed Half-yearly Charge	7662		00 Per Kilo E

Add this plan

704088	750 GB PLAN	Combo Plans
704310	40GB CUL-Bharat Fiber	Combo Plans
704313	Bharat Fiber BB-FIBRO COMBO ULD 777 ANNUAL PLAN FOR KSITM	Combo Plans

<<<<<<12345678910>>>>>>

5

← Back

→ Next

Call NIB, If the plan change is not done within 48 Hours.

Disconnection and Reconnection

Normal Disconnection Dates : 6th-10th of next month after last date of payment.

If the Connection gets disconnected, All the light will be same on ONT. But the internet won't get. Check the IP in ONT corresponding to FTTH Data/WAN Connection, if the **WAN IP** starts with **10.x.x.x.x** series, we can confirm that it is in disconnection due to non-payment. Pay the bill to any BSNL customer service centre for the speedy reconnection.

Or go to Windows -> Run > CMD > type command- > ***ipconfig /all*** (it will show the WAN IP).

Reconnection

After the bill payment, wait for 2 to 12 hours to get it reconnected.

After the reconnection, Reboot the ONT to get the Internet.

FTTH VOIP - DHCP Configuration for LCOs

VLAN: 1831

IP PROTOCOL MODE: IPV4

SERVICE MODE: VOICE - VOIP

SERVICE TYPE: SOFTSWITCH SIP

SIP REGISTER ADDR. : 10.187.6.12

PRIMARY SIP PROXY ADDRESS: 10.187.6.12

SUBSCRIBE: ENABLED

OUTBOUND PROXY: ENABLED

OUTBOUND PROXY ADDRESS: 10.187.6.12

SIP DOMAIN: 10.187.6.12

SESSION TIMER ENABLED

LINE 1 ENABLED

ACCOUNT NUMBER: 9148*****

ACCOUNT NAME: 9148*****

PASSWORD: 0000

NETLINK MODEM IP :

192.168.1.1

USERNAME: admin

PASSWORD: stdONU101

The screenshot displays the 'Network' configuration page of a Netlink Modem. The page has a header with 'Network' and a sub-header with 'Status', 'Network', 'Security', and 'Application'. Below the sub-header, there are tabs for 'Internet', 'Binding', 'LAN IP Address', 'WAN', 'Remote', 'LOID Configuration', and 'CoS'. The 'Internet' tab is selected, showing the 'Internet Connection' section. The configuration options include:

- Connection Name: 2_VOICE_R_VID_18
- Mode: Route
- IP Protocol Mode: Ipv4
- ☒ DHCP: Get an address from ISP
- ☐ Static: Get a static IP address from ISP
- ☐ PPPoE: Select this when using PPPOE
- Enable Vlan: ☒
- Vlan ID: 1831
- 802.1p: (null)
- MTU: 1500
- Request DNS: ☒ Enable, ☐ Disable
- Primary DNS: (empty field)
- Secondary DNS: (empty field)
- Service Mode: VOICE
- Turn off LAN DHCP: ☐

SERVICE TYPE: **SOFTSWITCH SIP**

SIP REGISTER ADDR. : **10.187.6.12**

PRIMARY SIP PROXY ADDRESS: **10.187.6.12**

SUBSCRIBE: **ENABLED**

OUTBOUND PROXY: **ENABLED**

OUTBOUND PROXY ADDRESS: **10.187.6.12**

SIP DOMAIN: **10.187.6.12**

SESSION TIMER ENABLED

LINE 1 ENABLED

ACCOUNT NUMBER: 9148*****

ACCOUNT NAME: 9148*****

PASSWORD: 0000

Application	Status	Network	Security	Application			
	Advanced NAT	UPNP	VDP	IGMP	MLD	Only Application	DNIS
VOIP Configuration	Server Type: Soft Switch SIP ▼						
Advanced VOIP Configuration	Primary SIP Register Addr		SIP Register Addr: 10.187.6.12				
	Port		5060				
	Secondary SIP Register Addr		SIP Register Addr: 10.187.6.12				
	Port		5060				
	Primary SIP Proxy Address:		10.187.6.12				
	Subscribe		<input checked="" type="checkbox"/>				
	PORT:		5060				
	Enable Outbound Proxy		<input checked="" type="checkbox"/>				
	Outbound Proxy Addr:		10.187.6.12				
	Outbound Proxy Port:		5060				
	SIP Domain:		10.187.6.12				
	Reg Expire (sec):		3600				
	Enable Session timer		<input checked="" type="checkbox"/>				
	Session Expire (sec):		1800				
	Secondary SIP Proxy		Enable Secondary SIP <input type="checkbox"/>				
Subscribe		<input type="checkbox"/>					
Address:							

Huawei ONU

IP: 192.168.18.1

USERNAME: Epadmin

PASSWORD: adminEp

The screenshot displays the configuration interface of a Huawei ONU. On the left, a sidebar contains four menu items: 'WLAN', 'Voice' (highlighted in blue), 'System Management', and 'Maintenance Diagnosis'. The main area is titled 'Basic Information' and contains the following settings:

- Enable WAN:** ☒
- Encapsulation Mode:** ☒ IPoE ☐ PPPoE
- Protocol Type:** IPv4
- WAN Mode:** Route WAN
- Service Type:** VOIP
- Enable VLAN:** ☒
- VLAN ID:** 1831 (range: 1-4094)
- 802.1p Policy:** Use the specified val
- 802.1p:** 0
- MTU:** 1500 (range: 1-1540)

Below the 'Basic Information' section is the 'IPv4 Information' section:

- IP Acquisition Mode:** ☐ Static ☒ DHCP ☐ PPPoE
- Enable NAT:** ☒
- Vendor ID:** (empty field, note: consists of 0-64 characters.)
- User ID:** (empty field, note: option 61; consists of 0-64 characters.)

At the bottom right, there are two buttons: 'Apply' (in a blue box) and 'Cancel' (in a white box with a grey border).

	WAN	
🏠	LAN	▼
🔒	Security	▼
🕒	Route	▼
⚙️	Forward Rules	▼
	Application	▼
	WLAN	▼
	Voice	^
	VoIP Basic	
	VoIP Advanced	
	SIP/H.248 Conversi...	
	System Management	▼

VoIP Basic Configuration

On this page, you can set basic SIP parameters.

Basic Profile Parameters (SIP)

Outbound Proxy Server Address: 10.187.6.12 (IP or domain)

Outbound Proxy Server Port: 5060 (0-65535)

Address of the Standby Outbound Proxy Server: 10.187.6.12 (IP or domain)

Port of the Standby Outbound Proxy Server: 5060 (0-65535)

Address of the Primary Proxy Server: 10.187.6.12 (IP or domain)

Port of the Primary Proxy Server: 5060 (0-65535)

Address of the Standby Proxy Server: 10.187.6.12 (IP or domain)

Port of the Standby Proxy Server: 5060 (0-65535)

Home Domain: 10.187.6.12 (IP or domain)

Local Port: 5060 *(0-65535)

Digitmap: [xABCD].S|[xABCD].#

Signalling Port:

2_VOIP_R_VID_1831 ▼ (Select the name of the WAN that will carry the voice signaling messages.)

Media Port:

2_VOIP_R_VID_1831 ▼ (Select the name of the WAN that will carry the voice media. The name is the same as the signaling port name when it is empty.)

Region:

India ▼

Basic User Parameters (SIP)

New

Delete

No.	URI	Registration User Name	Authentication User Name	Password	Associated POTS Port
1	--	914812360000	914812360000	*****	1

Enable User:



URI:

(URI)

Registration User Name:

914812360000 (phone number)

Associated POTS Port:

1 ▼

Authentication User Name:

914812360000 (The length must range 0 to 64.)

Password:

..... (The length must range 0 to 64, Double-click to select all.)

Apply

Cancel

VOIP Configuration by Static IP

VLAN: 1830

IP PROTOCOL MODE: IPV4

SERVICE MODE: VOICE

IP ADDRESS/SUBNET MASK/GATEWAY : BY NIB

PRIMARY DNS: 172.30.249.3

SECONDARY DNS: 172.30.249.19

VOIP :

SERVICE TYPE: SOFTSWITCH SIP

PRIMARY SIP REGISTER ADDR. : "VOICE IP"

SECONDARY SIP REGISTER ADDR. : 10.187.6.12

PRIMARY SIP PROXY:

ADDRESS: 10.187.6.12

SUBSCRIBE: DISABLED

OUTBOUND PROXY: ENABLED

OUTBOUND PROXY ADDRESS: 10.187.6.12

SIP DOMAIN: 10.187.6.12

SESSION TIMER ENABLED

LINE 1 ENABLED

ACCOUNT NUMBER: 9148*****

ACCOUNT NAME: 9148*****

PASSWORD: 0000

BSNL Teevra Application

This Mobile app meant for fetching the FTTH/ Broadband LIVE details via your Mobile and make your customer service more easier ;

Link for downloading -
www.tinyurl.com/teevra-final

Who can avail this application;

- BSNL Employees upto TM level
- BBCs/ LCOs

Features;

- BROADBAND/FTTH DETAILS.

- username, status- active/suspended
- outstanding amount
- connected status - connected / not connected
- olt inner & outer vlan and OLT owner.

- Port verify

- to check whether connected to the desired port/vlan

TEEVRA Application



The screenshot shows the 'BROADBAND DETAIL' screen. It includes a form for entering the Bharat Fiber telephone number and two data tables.

BROADBAND DETAIL

PLEASE ENTER BHARAT FIBER TELEPHONE NUMBER

0481-2970888

SUBMIT

MOBILE	0481-2970888
FTTH TELE NO	0481-2970888
FTTH USER-ID	ftth@bsnl.in
A/C STATUS	Active.
OUTSTANDING	₹ 0 /-
STATIC-IP	No Static Ip
PLANNAME	
BANDWIDTH	

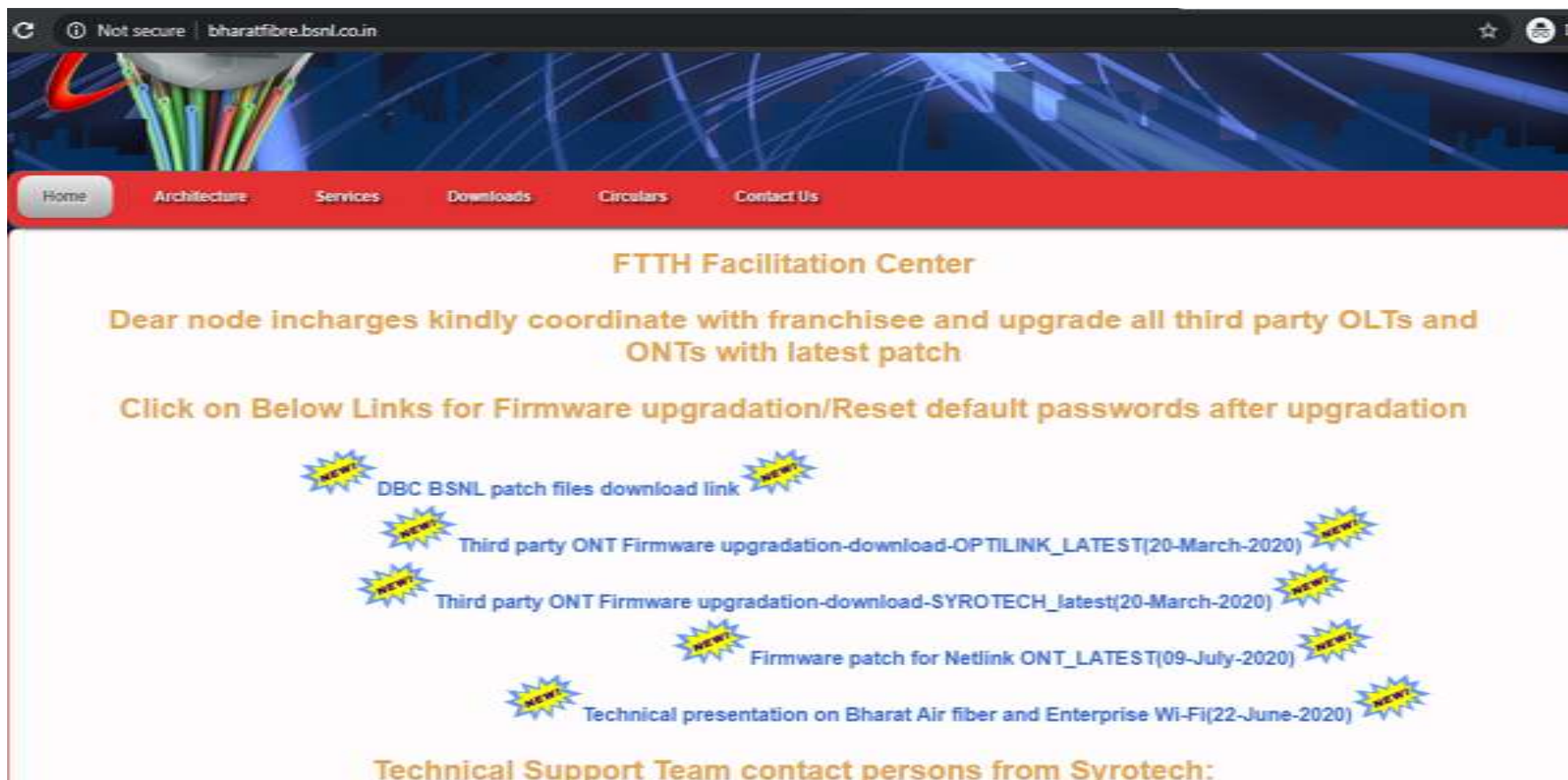
CUSTOMER OLT PARAMETERS

OLT PORT	3051/427(ALPHION)
LINK STATUS	Up
ONT TX-POWER	3.0 In dBm
ONT RX-POWER	-17 In dBm

CUSTOMER INTERNET INFORMATION

STATUS	Connected Since 2020-07-22 12:28:16
SPEED	51200(Kbps)

To get Third Party ONT firmware updates - Visit: <http://bharatfibre.bsnl.co.in/>



The screenshot shows the Bharat Fibre BSNL website. The browser address bar displays "Not secure | bharatfibre.bsnl.co.in". The website has a red navigation bar with links: Home, Architecture, Services, Downloads, Circulars, and Contact Us. The main content area is titled "FTTH Facilitation Center" and contains the following text:

Dear node incharges kindly coordinate with franchisee and upgrade all third party OLTs and ONTs with latest patch

Click on Below Links for Firmware upgradation/Reset default passwords after upgradation

- NEW!** DBC BSNL patch files download link **NEW!**
- NEW!** Third party ONT Firmware upgradation-download-OPTILINK_LATEST(20-March-2020) **NEW!**
- NEW!** Third party ONT Firmware upgradation-download-SYROTECH_latest(20-March-2020) **NEW!**
- NEW!** Firmware patch for Netlink ONT_LATEST(09-July-2020) **NEW!**
- NEW!** Technical presentation on Bharat Air fiber and Enterprise Wi-Fi(22-June-2020) **NEW!**

Technical Support Team contact persons from Syrotech:

General OLT Configuration

We can manage Third party OLT via NMS. Different vendors have different NMS and IP for accessing the NMS via browser. Eg: 192.168.1.251

General configuration in OLTs;

- OLT should be configured with Mgmt VLAN 119 & IP provided by NIB.
- Should Add required VLANs. Normally we need to pass VLAN 128 - 1499 for DATA.
- For VoIP : Static VoIP- 1830, DHCP VoIP- 1831.
- GPON OLTs : DBA / Tcont / Flow / ONT / Line Profile Creation.

EPON/GEAPON OLT:

- We need to tag the VLANs in Uplink and Downlink ports.

GPON OLT:

- VLANs should be tagged in Uplink port .
- For VLANs and each ONT, Line profiles should be created.
- Each ONT should link to corresponding VLAN profile.
- Should add Serial number of ONT for each customer.

Switch : In case the OLTs connected via L2 Switch, both uplink and downlink ports should be tagged with all VLANs of BSNL for 802.1Q connectivity.

LCO OLT – Reachability from EMS

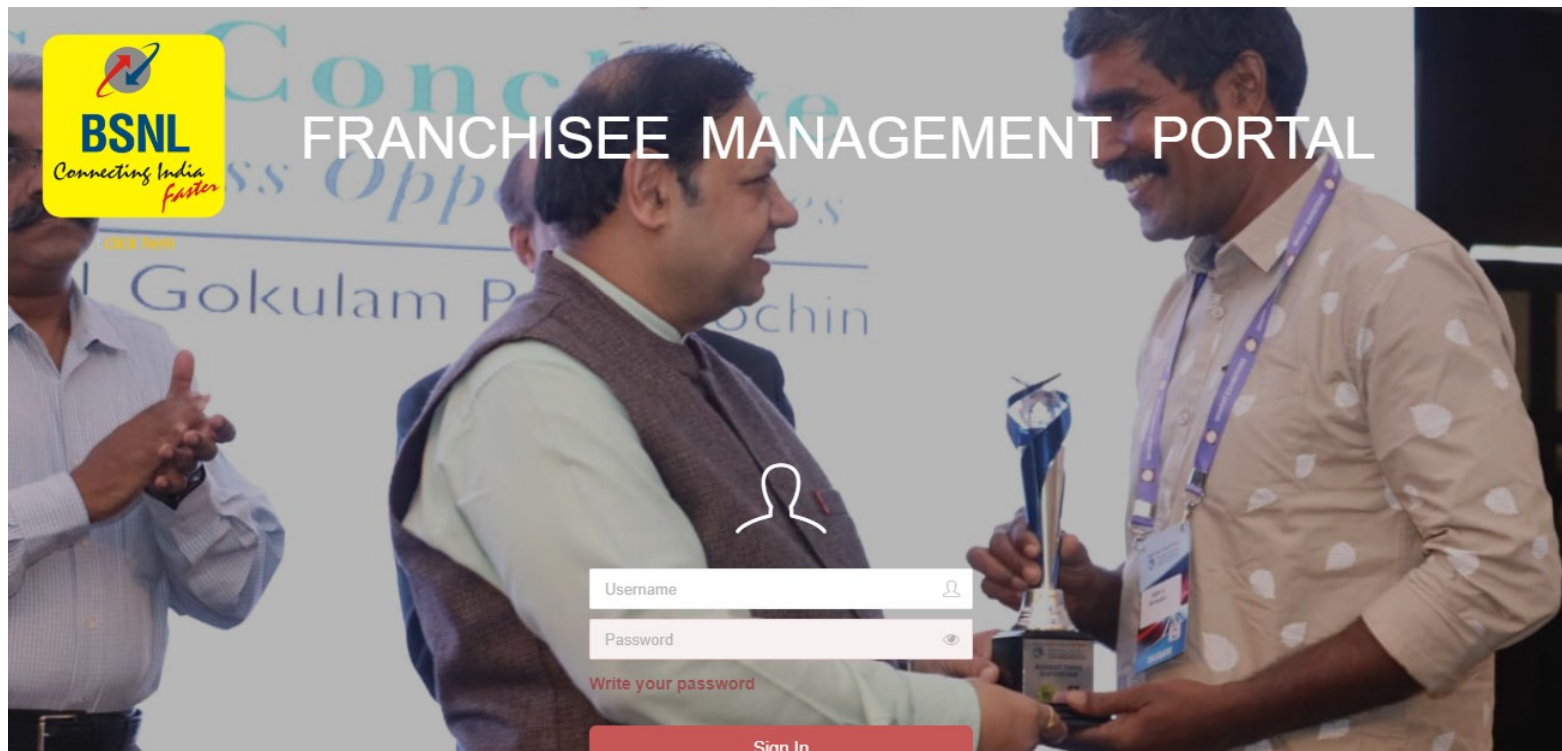
To ensure connectivity to EMS software, a default route is to be created in the LCO OLTs to the BNG TIP Management Gateway Interface.

The screenshot displays the configuration interface for an LCO OLT. On the left is a sidebar menu with the following items: OLT Information, OLT Configuration, VLAN, Uplink Port, PON, MAC, LACP, QoS, ACL, IPv6 ACL, IGMP, IPv6 MLD, STP, Loopback, DHCP, DHCPv6, IPv6 SLAAC, and IP Route (highlighted in blue). The main panel has three tabs: VLAN IP, ARP Proxy, and Static Route (selected). Under the 'Static Route' tab, there is a section titled 'Add Static Route' with three input fields: 'Destination IP', 'Destination Mask', and 'Gateway'. Below these fields is an 'Add' button. Further down is a section titled 'Static Route Table' containing a table with the following data:

Destination IP	Destination Mask	Gateway	Delete
0.0.0.0	0.0.0.0	10.215.193.1	

FMS - Portal

Website Address - <https://fms.bsnl.in>



FMS

TEEVRAAPP ? | FMS APP | INSTA PAY | FIBRE WALLET APP |

Home > Dashboard

Dashboard

Sales

Work

Maintenance

Accounts

OLTE Requests

Team

Leads

Reports

Commission Reports

Cluster Franchisee

Partner360 Reports

FTTH Wallet

SLA

0

PENDING CAF

0

PROVISION ORDERS

0

FAULT ORDERS

423

TOTAL ACCOUNTS

0

PENDING TR.TICKETS

<

JULY 2020

>

SU	MO	TU	WE	TH	FR	SA
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
				30	31	

Sales Commission

Work Commission

Revenue Commission

Revenue Share BWSP

Revenue Share TIP

Revenue Share USDN

News & Updates

Commission Payments to various FTTH Stakeholders

14-JAN-2020

BHARAT OORJA (BSNL ELECTRICAL APP)

Dear BSNL ELECTRICAL BILL INCHARGES, Please download the ELECTRICAL APP FOR BSNL ELECTRICAL BILL VALIDATION F

<https://tinyurl.com/bsnlecal>

02-JAN-2020

RECENT ACTIVITIES

BSNL E-Pay

E-PAY FACILITATES HASSLE FREE RELEASE OF COMMISSION TO LCOs THROUGH FTTH WALLET INSTANTANEOUSLY AND THE RELEASE OF AMOUNT TO THEIR BANK ACCOUNT ON THE NEXT BUSINESS DAY OF TRANSACTION AGAINST EACH ONLINE PAYMENT BY CUSTOMERS.

IN ORDER TO ACCOMPLISH THIS, THE FOLLOWING ACTIVITIES HAVE TO BE COMPLETED BY THE FRANCHISEES.

- **WALLET CREATION – ANY BSNL MOBILE NUMBER**
- **WALLET CHARGE/RECHARGE - THROUGH INSTAPAY / BSNL CSC**
- **REGISTRATION IN THE BSNL ePAY SYSTEM**
 - 1. LETTER TO INDIAIDEAS.COM LIMITED ('BILLDESK')**
 - 2. ANNEXURE – 1 (COMPANY INFORMATION – DETAILS OF LCO)**
 - 3. ANNEXURE – 2 (TRANSACTION / PAYMENT GATEWAY CHARGES)**
 - 4. ANNEXURE – 3 (CERTIFICATE FROM BANK)**
 - 5. CANCELLED CHEQUE.**
 - 6. GST CERTIFICATE/NO GST DECLARATION**



Thank You...& Stay Safe.

NIB & FTTH – KTM/PTA

