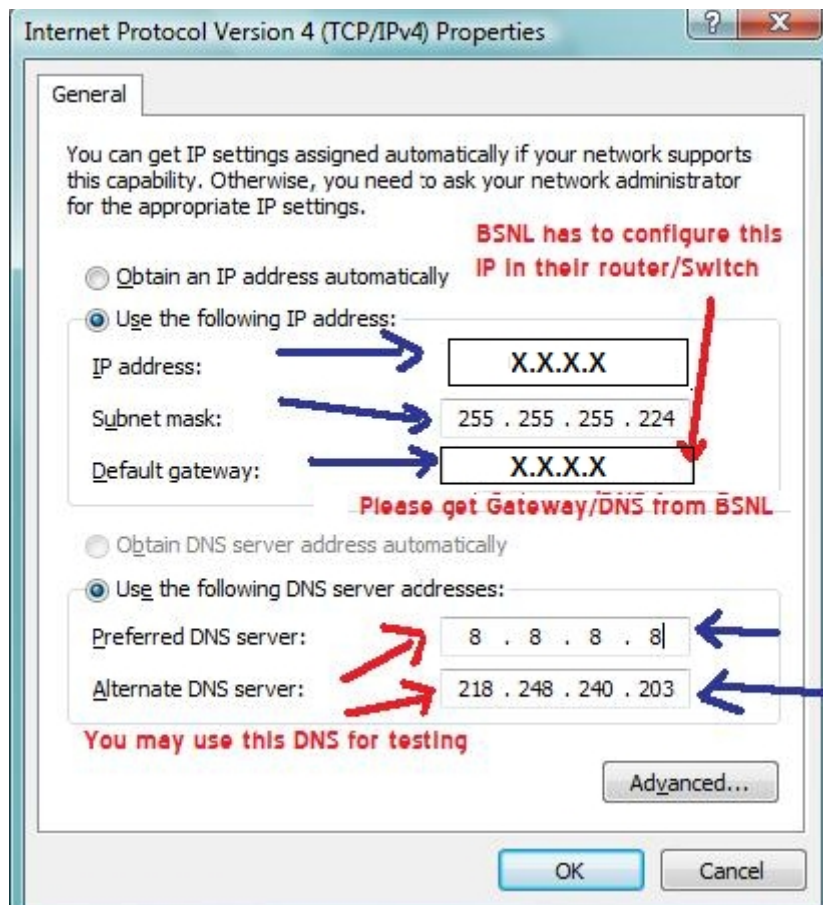


How to Configure 10 Mbps (1:1) Leased Line with BSNL under UGC infonet 2.0

- ◆ Normally 10 Mbps line is terminated on Fiber which **does not require a router** (Many a places BSNL insists for Router, **But it is not required**).
- ◆ BSNL have used special network equipment such as STM1 Switch which has in-built Ethernet port. Hence, BSNL has to terminate Ethernet output on the STM1 equipment from Fiber which can directly give to L2/L3 Switch or Firewall/Proxy appliance.
- ◆ Once BSNL report that link is through, for testing purpose you can configure network configuration on your PC/Laptop. Please do IP configuration as given in figure bellow. You need only three IPs from the pool allotted to you. Ask BSNL official to configure a public IP allotted to you at their end(NIB/MPLS node) instead of 172.x.x.x (172.x.x.x is WAN IP for MPLS) UGC Infonet require a public static IP such as 117.x.x.x or 210.x.x.x. For eg. To configure a Network with 117.x.x.96 as Gateway IP configured at BSNL end and use 117.x.x.97 as IP address for yourPC/Laptop/Proxy.



- ◆ Ask one of these IPs, say **117.X.X.96** to their router/switch.
- ◆ You may use any other IP from the allotted pool (eg. 117.x.x.97 or 117.x.x.98) to get configure on network. Use subnet mask as **255.255.255.224** (This could be same for Infonet users)
- ◆ Please also ask them to give you Primary DNS IP and Secondary DNS IP. Assign these IPs to Preferred DNS Server and Alternate DNS sever. (for test purpose you may give 8.8.8.8)
- ◆ After configuring, restart the service of network. (In Window, 'Disable' and 'Enable' network connection.
- ◆ Ping to the gateway using ping command (eg. ping 117.x.x.96). If this gives ping result, please ping www.google.com
- ◆ If this works, Internet should work on your network. Use the test tools available at <http://www.inflibnet.ac.in/infonet/bandwidth.php>
- ◆ Now you can configure your Proxy/switch as per the above configuration and give the same connection directly to Switch/Proxy server.