HOW TO CONFIGURE DG-BG4300NU/IS IN 3G FAILOVER MODE WITH DSL LINE

STEP 1: CONNECT DONGLE TO ROUTER

Make sure the internet is working from Dongle first
After connecting it to router, check with the USB led on the router

STEP 2: ACCESSING THE WEB CONFIGURATION PAGE INSIDE THE ROUTER

Open the configuration page of the router by typing http://192.168.1.1 in a web browser. We recommend this one time configuration to be done using Internet Explorer.

Enter the username as admin and password as admin and click on OK.

STEP 3: CONFIGURE WAN 3G SETTINGS

Click on Setup >> WAN. Then click on 3G/4G on the left hand side.

3G/4G WAN : Enable

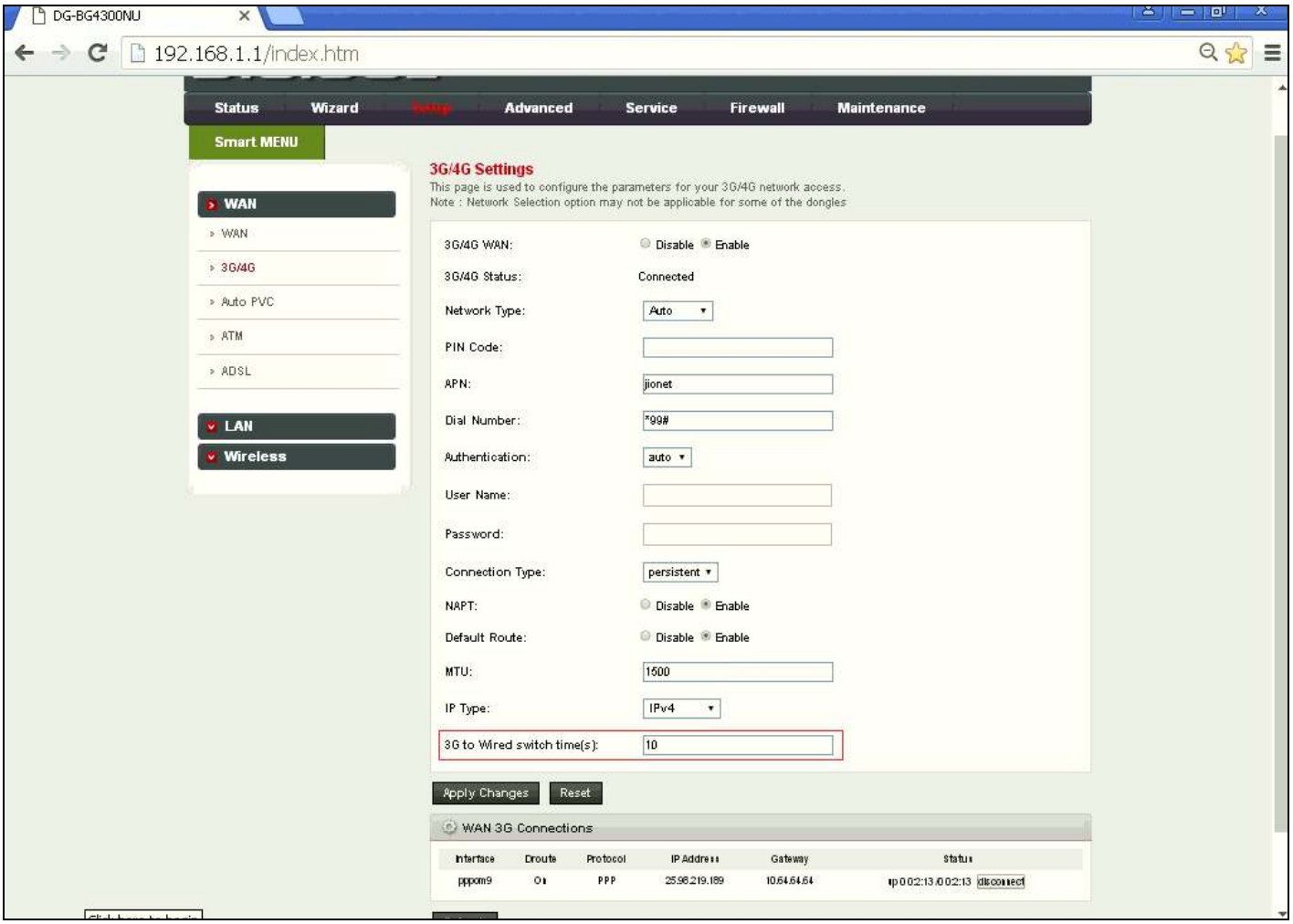
Network Type : Auto

APN : According to the ISP (Ex : For Jio Sim: jionet)

Dial Number : *99#

3G to WAN Switch Over Time(s) : 10

Check the WAN 3G Connections Table

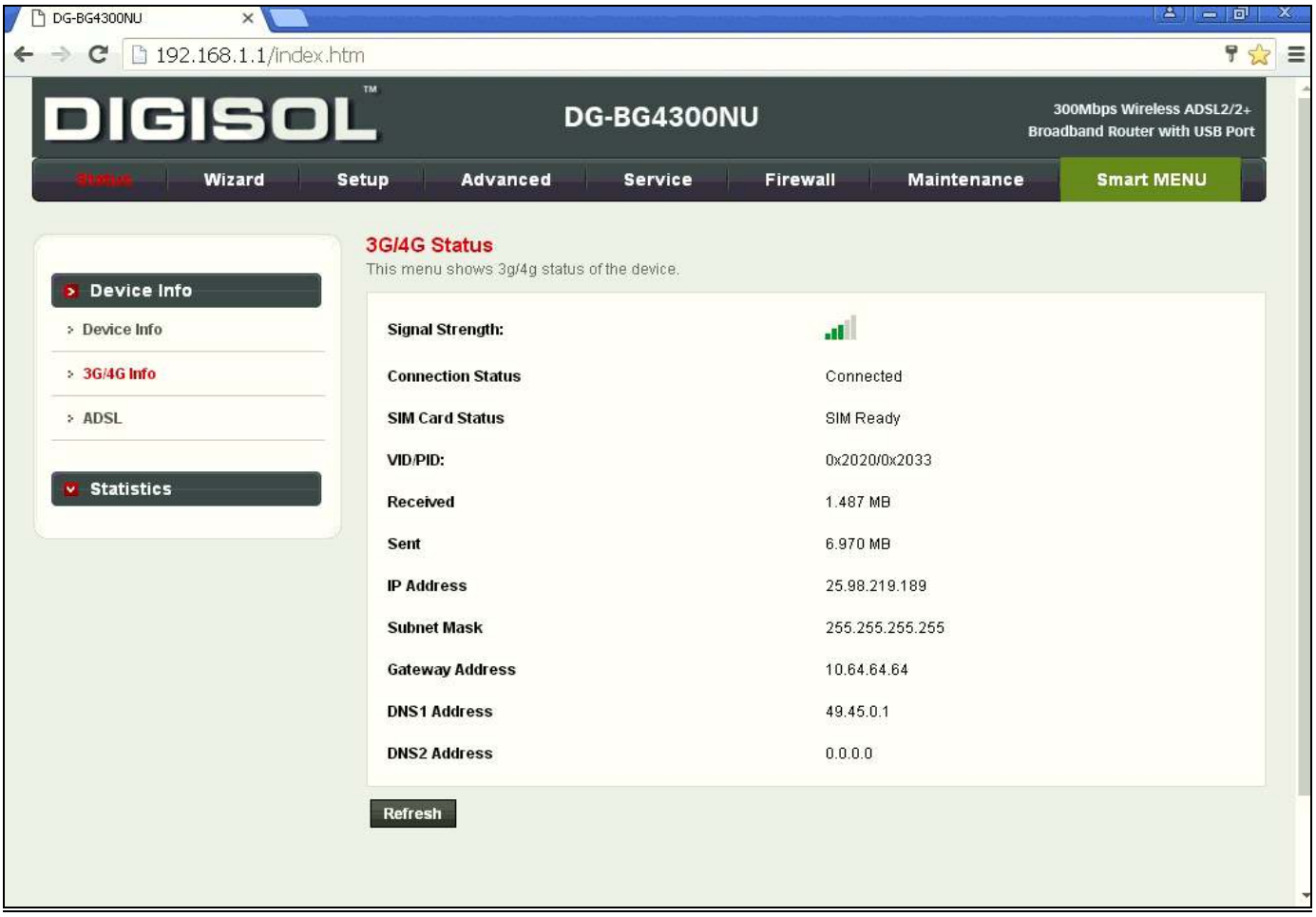


Click on Apply Changes.

STEP 4: CHECK THE DONGLE STATUS

Status >> 3G/4G Info

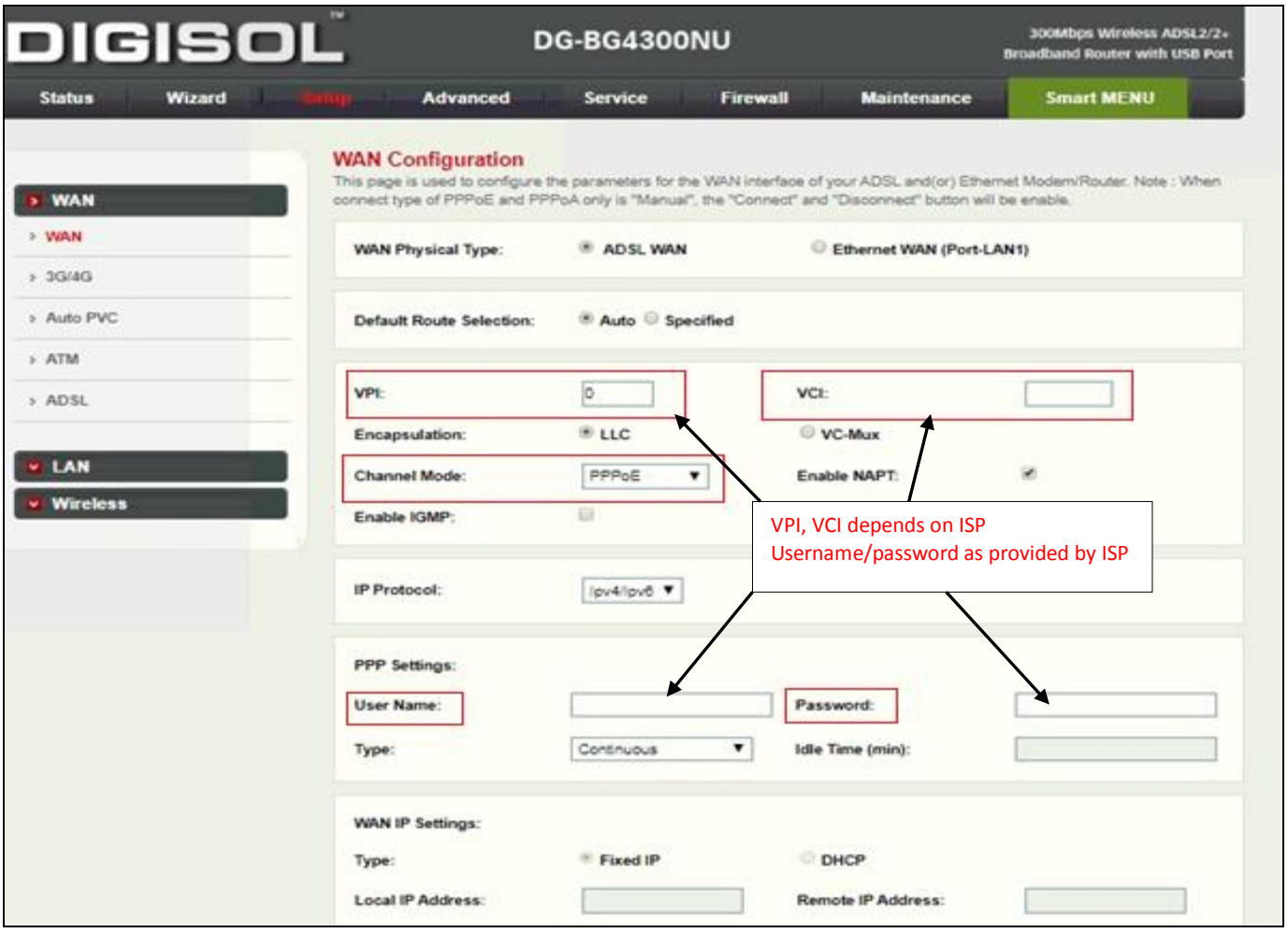
Signal Strength
Connection Status : Connected
Sim Card Status : Sim Ready



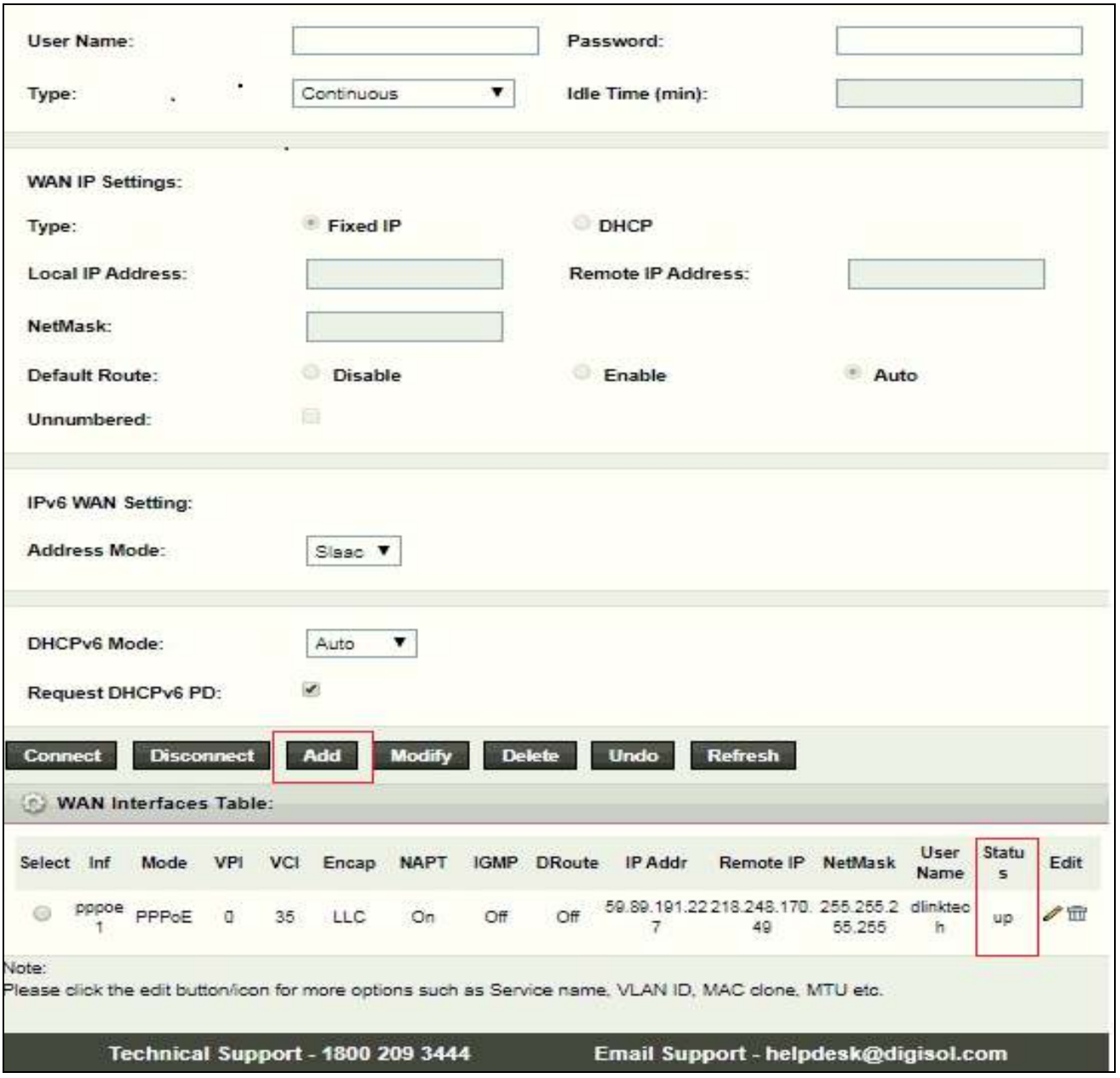
Now verify the internet access through DG-BG4300NU/IS router.

STEP 5: CONFIGURE THE ROUTER IN PPPOE MODE

Click on Setup > WAN
First delete the entry in WAN Interface Table which is at bottom of the page
WAN Physical Type > Select ADSL WAN
Enter VPI and VCI values as provided by the ISP (For Ex : For BSNL, VPI – 0 and VCI – 35)
Channel Mode : PPPoE
Enter Username and Password provided by the ISP



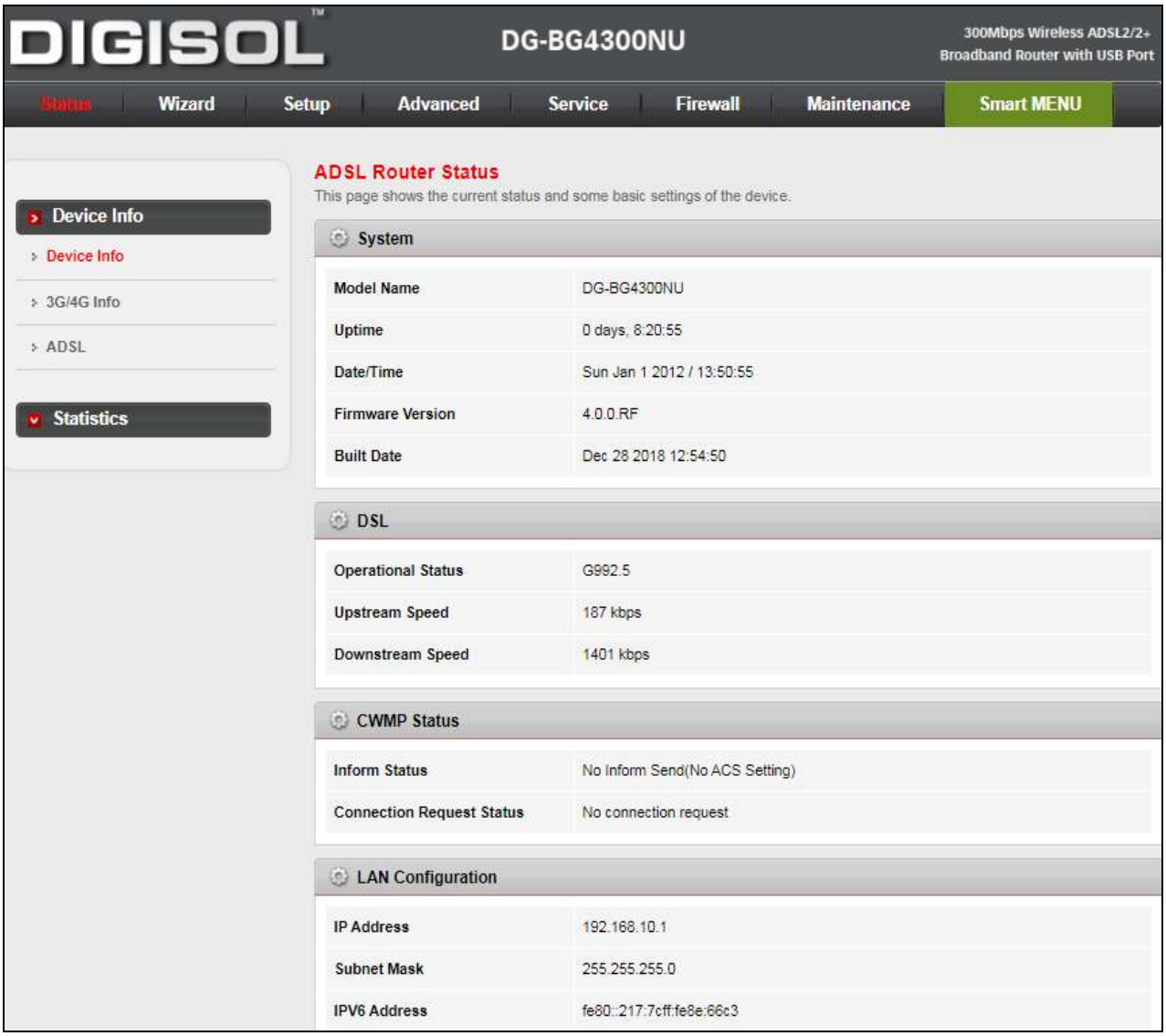
Scroll to the end of the page, till you see the WAN Interfaces Table.

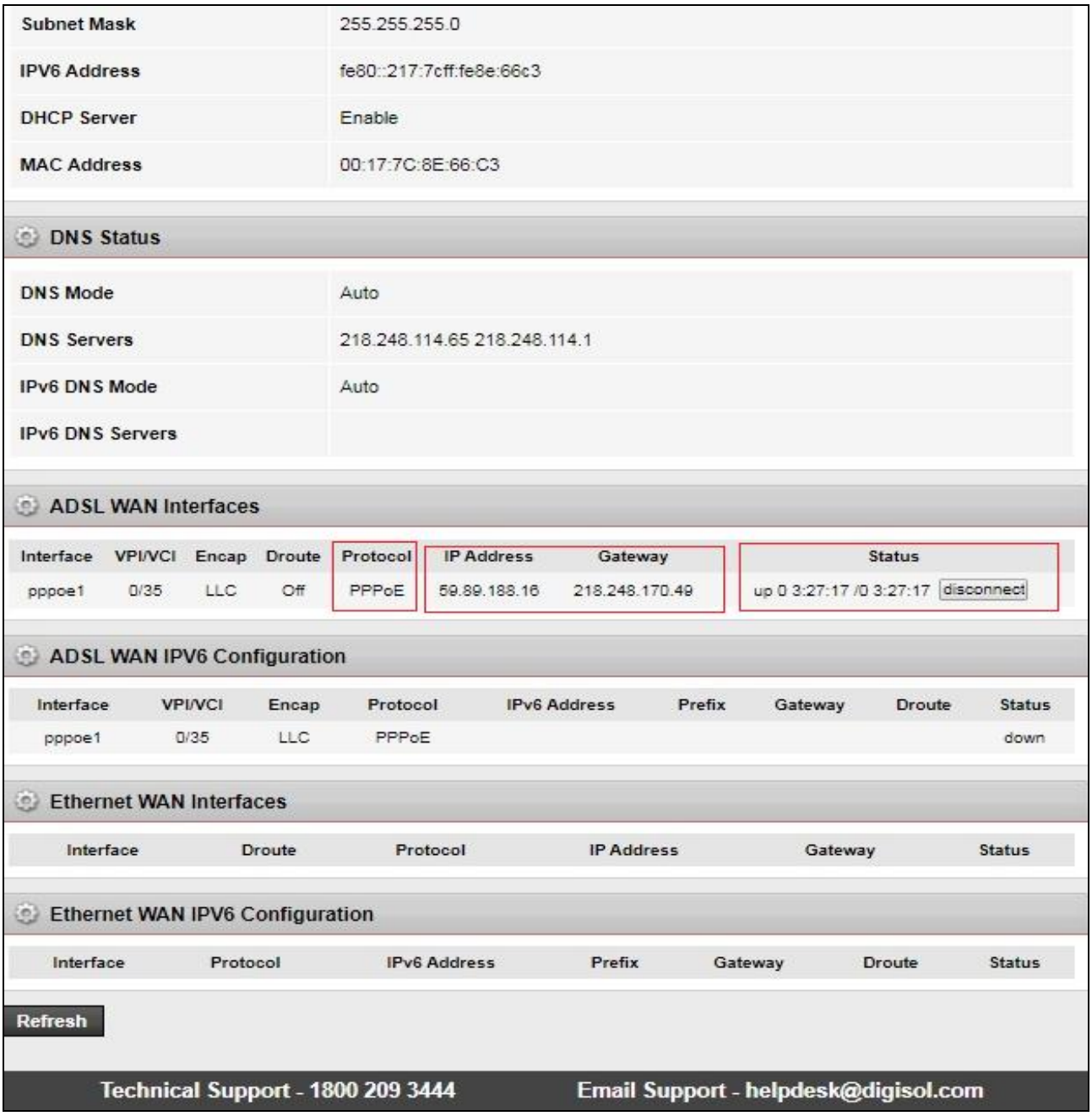


Refresh and reboot the router.

STEP 6: CHECK THE DSL STATUS

Status >> Device Info >> ADSL WAN Interface Table.





Subnet Mask	255.255.255.0
IPV6 Address	fe80::217:7cff:fe8e:66c3
DHCP Server	Enable
MAC Address	00:17:7C:8E:66:C3

DNS Status

DNS Mode	Auto
DNS Servers	218.248.114.65 218.248.114.1
IPv6 DNS Mode	Auto
IPv6 DNS Servers	

ADSL WAN Interfaces

Interface	VPI/VCI	Encap	Droute	Protocol	IP Address	Gateway	Status
pppoe1	0/35	LLC	Off	PPPoE	59.89.188.16	218.248.170.49	up 0 3:27:17 /0 3:27:17 disconnect

ADSL WAN IPV6 Configuration

Interface	VPI/VCI	Encap	Protocol	IPv6 Address	Prefix	Gateway	Droute	Status
pppoe1	0/35	LLC	PPPoE					down

Ethernet WAN Interfaces

Interface	Droute	Protocol	IP Address	Gateway	Status

Ethernet WAN IPV6 Configuration

Interface	Protocol	IPv6 Address	Prefix	Gateway	Droute	Status

Refresh

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In this case ADSL WAN will be primary WAN by default. In case the DSL link goes down, the router will auto-switch to 3G/4G mode. Dongle status will get disconnected once the ADSL link is On.