

## **ngNOG 2007 Prep**

### **Technical Report on Site Inspection of Bayero University, Kano**

Based on the options made available to us, it appears we will be making use of the Centre for Information Technology (CIT) at the BUK, New Campus for the 4 days of workshops while the 2 days of conferences will take place at the Centre for Democratic Research and Training (Mambayya House). Accommodation of delegates and resource persons would most likely be at the Royal Tropicana Hotel.

#### **Centre for Information Technology**

This facility is purpose built for trainings and as such has a number of rooms that can be used for our workshops. The following have been proposed within the CIT.

Internet Services: Student Internet Café 1

Internet Infrastructure: Nura Imam Laboratory Annex

Strategic Planning and Network Computing Policies: Staff Internet Café

Energy Planning and Appropriate Power Technology: Staff Training Laboratory

UNIX System Administration: Nura Imam Laboratory

Provisions have also been made for a dedicated NOC within the CIT though I doubt that we would need that very much.

#### **Connectivity**

The entire complex containing these rooms is wired into a single network so there is interconnectivity between all the computers. In some of the rooms, there are already network provisions for as many computers as we would need in the track while in one or two of the others, we would need to prepare additional Ethernet patch cables.

To be on the safe side, I will recommend that we make provisions for at least one box of Cat 5 cable and three 24-port Ethernet switches so that we can have isolated networks in the three tracks where lab work is to be done.

There is a healthy amount of Internet bandwidth available (I was able to achieve speeds as high as 512kbps) at the CIT but we would have to make do with the 2 public IP addresses that are free for use.

I believe those addresses would go to the Infrastructure track while the rest of us make do with NATted addresses.

### Computers

We have requested that a total of 80 computers which can be reformatted be made available and have been assured by the LOC that that is not a problem.

### Power Supply

The CIT has a large generating plant which powers the entire facility as well as a smaller gasoline generator which can be connected to power the server room along with the Ethernet switches. The LOC has assured that the generators would be serviced in readiness for the workshops. Individual computers already have small 650va UPSes attached to them to provide backup for the few minutes of power outage during changeover from generator to public power supply and vice versa.

## **Centre for Democratic Research and Training**

This facility has a conference centre, library, restaurant (non-functional at the time of visit), and a 10-room accommodation (Mambayya Suites). Our main interest in this place is the conference centre which seats 500 people.

### Connectivity

According to the LOC, the CDRT used to have a wireless connection to the BUK campuses but that connection is presently down due to the destruction of their communication tower during the rainy season. It is expected that the connectivity will be restored before setup week.

Once the Internet connectivity is restored, we can put in one or two wireless access points at the conference hall to ensure that delegates with wireless adapters on their computers have access.

### Power

Special arrangements will have to be made to ensure that the generating plant at the CDRT is fueled and on standby for the duration of the conferences. There will be need for a couple of power strips in the conference hall and this has been communicated to the LOC.

### Other Equipment

Projectors will be brought over from the CIT while the Public Address system which is already in place will be checked to make sure all is set before the conferences.

## **Royal Tropicana Hotel**

This hotel should be able to accommodate all participants and has adequate banquet halls/meeting rooms that can be used for our evening activities.

### Evening Meetings

Projectors, Flipcharts, and a sound system will be made available for presentations and other evening activities which will take place in the hotel's halls.

The hotel has an Internet café but no access in the rooms. A suggestion is to ask for a single Ethernet point to the hall and hook up a wireless access point for use by those who have notebooks.

Getting connectivity from the University or CDRT to the hotel may not be possible but if we could go along with a pair of point-to-point radios in case we get lucky.