

ADDITIONAL WORKS FOR NIS REFERENCE CENTER (LAN)						
S/N	DESCRIPTION OF WORK	QUANTITY	UNIT	UNIT COST (NGN)	TOTAL COST (NGN)	REMARK
A	Supply and install LAN cabling and ports	42.00	Nr			All (40) trainee desks as well as (2) instructional area each with dual ports seperated on 2 patch panels
B	Supply and install LAN cabling and ports	17.00	Nr			Forensic Lab (3), Repair Room (2), eLibrary (10), and Server Room (2) areas each with dual ports seperated on 2 patch panels
C	Supply and install LAN cabling and ports	5.00	Nr			Staff Room(3), and Registration desk (2) areas each with dual ports seperated on 2 patch panels
						KINDLY CHECK ILLUSTRATION PAGE FOR MORE DETAILS
				TOTAL		

SUMMARY OF IT RECOMMENDATIONS

- 1 The local area network (LAN) connections would be made on dual ports i.e. each user would have an alternate port side by side with the primary one.
- 2 The connections would be separated on the patch panel inside the rack. The primary ports (P) would use a patch panel while the alternate ones (A) would use another.
- 3 Both patch panels would be hung inside specific racks – the Training Room would have its LAN cables inside a 9U rack hung inside the room, the Forensics, Workshop and Staff rooms would have theirs inside another 9U rack hung inside of the workshop, while the Front Desk, and eLibrary would have theirs directly onto the server rack (42U).
- 4 The cables to be used should be shielded twisted pair (STP), CAT 6(e) 100% copper made. No specifics to brand but cable quality is of primary importance.
- 5 The 1m and 3m supplied patch cables should be CAT6(e) quality, with thickness and toughness that will be checked.
- 6 Interference would occur if the LAN cables are passed through the same conduit with the electrical cables. Hence, this will not be permitted for these tasks.
- 7 All LAN terminations must be professionally managed.