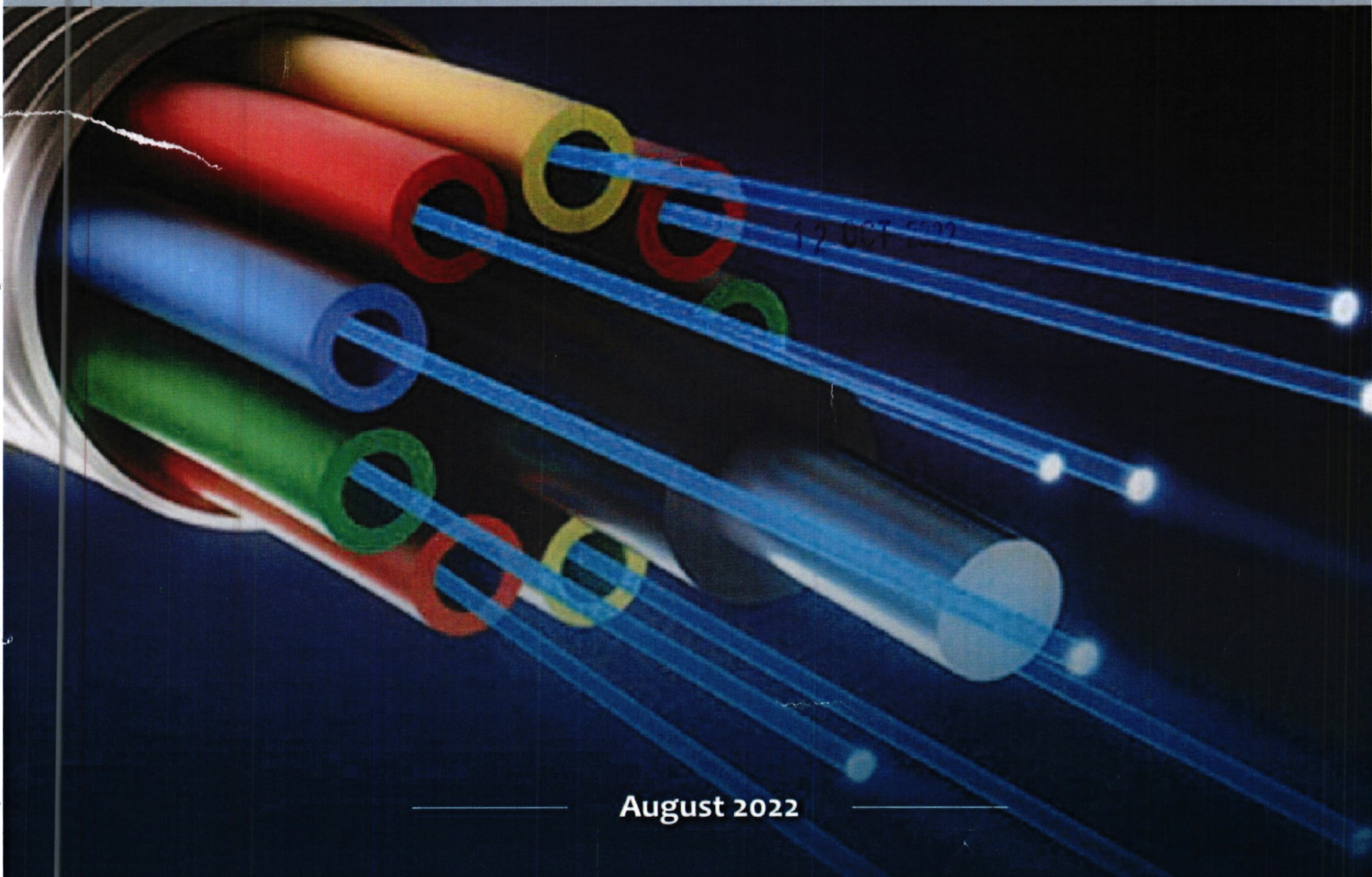


FORENSIC AUDIT REPORT OF THE AUDITOR-GENERAL

ON

**THE STATE DEPARTMENT FOR INFORMATION
COMMUNICATIONS, TECHNOLOGY AND INNOVATION**

**THE NATIONAL OPTIC FIBRE BACKBONE INFRASTRUCTURE
AND IP BASED HIPATH 4000 NETWORK PROJECTS**



August 2022


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LIST OF ABBREVIATIONS

Table 1: List of Abbreviations

Abbreviation	Full Name
ACC	Assistant County Commissioner
AG	Auditor - General
CBK	Central Bank of Kenya
CC	County Commissioner
CCP	County Connectivity Project
CID	Criminal Investigation Department
CRS	Children Registration Services
CRD	Civil Registration Department
CS	Cabinet Secretary
DCC	Deputy County Commissioner
DCI	Directorate of Criminal Investigations
EXIM	Export Import
FY	Financial Year
GCCN	Government Common Core Network
GOK	Government of Kenya
GOVT	Government
Hqs	Headquarters
ICT	Information and Communication Technology
IP	Internet Protocol
ISP	Internet Service Provider
ICTA	ICT Authority
KCB	Kenya Commercial Bank
KNA	Kenya News Agency

KSHS	Kenya Shillings
KRA	Kenya Revenue Authority
LAN	Local Area Network
LTD	Limited
MDA	Ministry, Department and Agency
NMDA	National Management Drought Authority
NOC	National Operating Centre
NOFBI	National Optic Fibre Backbone Infrastructure
NRB	National Registration Bureau
ODF	Optical Distribution Frame
OFC	Optic Fibre Cable
O & M	Operations and Maintenance
OSP	Open Settlement Protocol
PAC	Provisional Acceptance Certificate
PFMA	Public Finance Management Act
PPDA	Public Procurement and Disposal Act
PS	Principal Secretary
Qty	Quantity
TKL	Telkom
TORs	Terms of Reference
USD	United States Dollars
VOIP	Voice Over Internet Protocol

LIST OF DEFINITIONS

Access Control- Is a security technique that regulates who can view or use resources in a computing environment.

Active Equipment – All the equipment in the NOFBI Network that need power supply to function and have the capability to receive input signals and process (modify or amplify) them to produce a difference output signal.

CCTV (Closed Circuit Television) Cameras are closed system consisting of video cameras, display devices and wired or wireless data networks that allow you to transfer images from Video Cameras to Monitors.

Core – Is the central part of an Optical Fibre that provides the transmission region for an Optical signal. The Core is manufactured of an optically pure glass of a high refractive index surrounded by a lower refractive index cladding.

Collocation – Is the hosting of NOFBI equipment or Infrastructure on the Telkom (K) Ltd.'s property or Points of Preference and includes the equipment installed at the Telkom Nodes, use of Telkom Ducts and Telkom (K) Ltd. Fibre in some regions.

Dark Fibre – Provision of Fibre Pair from NOFBI Network without any active telecom equipment.

Escrow Account- A bank account established to collect revenue generated by NOFBI to secure payment and repayment of Concessional Loan.

IP Phones sometimes called Voice over the Internet Protocol (VoIP) telephones are devices that supports transmission of voice over the internet.

LAN (Local Area Network) Connections- A computer network that consists of access points, cables, routers and switches that enable devices to connect to Web servers and

internal servers within a single building or home network and other LANs via Wide Area Network or Metropolitan Area Network.

Lit Capacity- This is the capacity available in an optical Fibre with active equipment on both ends.

OSN (Optical Service Networks)- Is a new generational optical transmission system developed by Huawei Technologies Ltd. which adopts a unified switching architecture.

Passive equipment – These are devices in the Network that do not need power to function and are mostly mediums in which signals can pass through. These devices include but are not limited to the NOFBI Optic Fibre Cable and Optical Fibre Distribution Frame (ODF).

PABX Exchange (Private Automated Branch Exchange)- Is a type of telephone network used by call center or a medium to large companies or organizations. It provides multiple lines for in-house and outside calls.

EXCHANGE RATE

The Exchange Rates applied for NOFBI and IP based HiPath 4000 Network Projects are as follows and detailed in **Appendix I**.

- (i) NOFBI Phase I- Estimated Cost of USD 80,000,000 at prevailing CBK exchange rate on 24 August 2006 of 1USD= Kshs. 72.78
- (ii) NOFBI Phase I- CBK exchange rate prevailing on 07 June 2007 when Commercial Contract was signed of 1 USD= Kshs. 70.90.
- (iii) NOFBI Phase II- Average of CBK exchange rates for payments made to the Contractor of 1 USD= Kshs. 102.17.
- (iv) NOFBI Phase II- Exchange rate prevailing on 28 June 2012 when Concessional Loan Agreement was signed of 1 Yen (¥) = Kshs. 13.23.
- (v) NOFBI Phase IIE- Exchange rate prevailing on 16 December, 2015 when Concessional Loan Agreement was signed of 1 Yen (¥) = Kshs. 15.23.
- (vi) NOFBI Phase IIE- Average of CBK exchange rates for payments made to the Contractor of 1 USD= Kshs. 102.51.
- (vii) IP based 4000 Network Phase I- CBK exchange rate prevailing on 01 December 2010 when Commercial Contract was signed of 1 Euro= Kshs. 100.01.
- (viii) IP based 4000 Network Phase II- CBK exchange rate prevailing on 15 April 2013 when Commercial Contract was signed of 1 Euro= Kshs. 109.59.
- (ix) IP based 4000 Network Phase III- Average of CBK exchange rate for payments made to the Contractor of 1 Euro= Kshs. 118.

1. EXECUTIVE SUMMARY

Introduction

- 1.1. The Auditor- General expressed a Disclaimer of Opinion on the financial statements for the State Department for ICT and Innovation for the financial year ended 2017/2018. The Public Accounts Committee (PAC) adopted the Report of Auditor-General for the financial year 2017/2018 in June, 2021 and made several recommendations, one being the Auditor- General to undertake a forensic audit on the National Optic Fibre Backbone Infrastructure (NOFBI) and IP based HiPath 4000 Network Projects' covering the entire scope from initiation to completion.

Audit Objective

- 1.2. The primary objective of the forensic audit was to review and establish the current status of the NOFBI and the IP based HiPath 4000 Network Projects.

Terms of Reference

- 1.3. The Terms of Reference (TORs) of the forensic audit were to review NOFBI and IP Based 4000 Network Projects' conceptualization, budgetary allocation and total amount disbursed, procurement process, actual payments made, implementation, operation and management and to conduct physical verification of the Projects' implementation sites to ascertain the current status.

Scope of Work and Limitations

- 1.4. The forensic audit covered the entire scope of NOFBI and IP based HiPath 4000 Network Projects' from initiation to completion including implementation, operation and management. It was carried out at the State Department for ICT and Innovation and ICT Authority. The Audit Team also visited Huawei Technologies (K) Ltd, Telkom (K) Ltd., SOULCO (K) Ltd Offices who were involved in implementation of the two Projects. The Audit Team carried out physical

verification in twenty- two (22) Counties out of the forty- seven (47) Counties where the two Projects were implemented.

- 1.5. The forensic audit covered the period from financial year 2007/2008 to 2020/2021 for NOFBI Project and from financial year 2010/2011 to 2020/2021 for IP based HiPath 4000 Network Project.
- 1.6. Some of the challenges encountered by the Audit Team included restructuring of the National Government that led to movement of the two Projects from one Ministry / Department to another without handing over / taking over resulting to missing documents; delay in providing some documents; rough terrain; wide coverage and technical nature of the two Projects; the Optic Fibre is installed underground hence it was not possible to carry out physical measurement, and conversion of currencies between Euro, USD and Yen as used in the Projects' Agreements, and the reporting currency of Kenya Shillings among others.

Audit Approach and Methodology

- 1.7. Meetings were held with the Management of State Department for ICT and Innovation, ICT Authority, Huawei Technologies (K) Ltd., SOULCO (K) Ltd. and Telkom (K) Ltd. The Audit Team collected evidence through document reviews, analytical reviews, interviews, physical verification among others.

Report Summary

A. NOFBI PROJECT

Conceptualization of the NOFBI Project

- 1.8. The NOFBI Project was initiated in 2007 and the objective was to build a terrestrial fibre network whose purpose was to connect Government Institutions countrywide to enable digitization of services and improvement of service delivery.

- 1.9. The NOFBI Project was deliberated in a Cabinet Memorandum dated 24 August, 2006 which discussed the implementation of the Project covering approximately 5,000 Kilometres (Kms) in the first Phase at an estimated cost of USD80,000,000 (Kshs.5,822,400,000), which was to be funded through supplier credits, grants, concessions and loans.

Budgetary Allocation and Total Amount Disbursed for the NOFBI Project

Approved Budgetary Allocation

- 1.10. The NOFBI Project was implemented in three phases, namely NOFBI Phase I, NOFBI Phase II and NOFBI Phase II Expansion (IIE). The Project was financed by the Government of Kenya and the Government of the People's Republic of China through Export - Import (EXIM) Bank of China. NOFBI Phase I was implemented between 2007 to 2009, NOFBI Phase II between 2012 to 2017 and NOFBI Phase IIE between 2016 to 2020. However, all the approved budgets for NOFBI Phase I and approved budgets for NOFBI Phase II for the financial years 2012/2013 to 2014/2015 were not provided for audit verification. It was therefore, not possible to ascertain the total approved budget for the Project.

NOFBI Donor Funding by the Export- Import (EXIM) Bank of China

- 1.11. On 28 June, 2012 and 16 December 2015, the Government of Kenya and the Government of the People's Republic of China signed Framework Agreements amounting to ¥460,000,000 (Kshs.6,083,546,000) and ¥650,000,000 (Kshs.10,286,640,000) for NOFBI Phase II and NOFBI Phase IIE respectively. Further, The National Treasury signed concessional loan agreements with EXIM Bank of China amounting to ¥460,000,000 and ¥650,000,000 on 8 October, 2012 and 19 May, 2016 for NOFBI Phase II and NOFBI Phase IIE respectively. However, the Framework and concessional loan agreements for NOFBI Phase I was not provided for audit review. Further, no explanation was provided on how

the Government of the People's Republic of China was identified as the financier of the Project.

Actual Funds Disbursed for NOFBI Project

- 1.12. Review of approved budgets for NOFBI Phase II and NOFBI Phase IIE for the financial years 2015/2016 to 2020/2021 provided for audit revealed that the Project budget was Kshs.2,415,605,426 and Kshs.963,600,000 from the State Department for ICT and Innovation and the ICT Authority respectively, totaling to Kshs.3,379,205,426. The actual disbursements to the Project during the financial years 2016/2017 to 2020/2021 was Kshs.1,554,708,838 and Kshs.869,600,000 totaling to Kshs.2,424,308,838. However, the Audit Team could not establish the actual disbursement since documents for the financial years 2014/2015 and 2015/2016 were not provided for audit.

Procurement Process for the NOFBI Project

- 1.13. The NOFBI Phase I Project was undertaken by three firms namely ZTE Corporation Ltd., Sagem Communications and Huawei Technologies Co. Ltd while, NOFBI Phase II and NOFBI Phase IIE were undertaken by Huawei Technologies Co. Ltd. However, documents to support how the three firms were identified were not provided for audit. In addition, the Commercial Contract for ZTE Corporation Ltd. was not provided for audit. It was therefore, not possible to establish the total cost of NOFBI Phase I Project.

Payment for the NOFBI Project

- 1.14. The total Contract sum payable to Huawei Technologies Co. Ltd for NOFBI Phase I, NOFBI Phase II and NOFBI Phase IIE was USD213,150,000 (Kshs.20,497,736,500). However, documents amounting to only USD 106,828,026 (Kshs.10,948,160,416) were provided for audit leaving a balance of USD106,321,974 (Kshs.9,549,576,084) not accounted for.

- 1.15. Sagem Communications were contracted to undertake NOFBI Phase I at the Coast and North Eastern Region at a Contract sum of €14,853,570 (Kshs.442,789,360). However, documents supporting payments amounting to €14,853,570 (Kshs.442,789,360) were not provided for audit. In addition, documents relating to contract price and payments made to ZTE Corporation Ltd. were also not provided for audit.
- 1.16. The National Treasury disbursed GOK component of Kshs.1,554,708,838 out of the Kshs.2,415,605,426 for NOFBI Phase II and NOFBI Phase IIE Projects to the State Department for ICT and Innovation, out of which Kshs.685,108,838 was utilized by the State Department on the Project operations and monitoring activities while the balance of Kshs.869,600,000 was disbursed to ICT Authority. Out of the Kshs.869,600,000, Kshs.713,818,530 was accounted for leaving an unexplained balance of Kshs.155,781,470.

Un- Drawn Loan Facility for NOFBI Phase II

- 1.17. The availability period for NOFBI Phase II Concessional Loan of ¥460,000,000 (Kshs.6,083,546,000), commenced on 28 November 2012 and lapsed on 28 November 2019, before the State Department for ICT and Innovation could draw down USD2,605,553 (Kshs.269,755,959) for the Project Maintenance Service. The USD2,605,553 which should have been paid by the EXIM Bank of China to Huawei Technologies Co. Ltd was therefore, paid by the State Department from the Development Vote.
- 1.18. Further, the Concessional Loan Agreement, required The National Treasury to pay EXIM Bank a commitment fee of 0.75% per annum payable semi-annually on the undrawn and un-cancelled balance of the facility. However, no evidence was provided to confirm whether The National Treasury paid the USD20,162 (Kshs.2,059,921), which is a breach of the contract which may lead to future legal consequences.

Implementation, Operation and Management of the NOFBI Project

Overview

- 1.19. The NOFBI Project was implemented in various National Government Ministries, Departments and Agencies in forty- seven (47) Counties. However, there was no Policy or Framework for implementing the NOFBI Project, outlining the roles to be played by the different entities.
- 1.20. The ICT Authority did not provide an asset register for NOFBI equipment acquired and installed in all the three Phases. It was therefore difficult to ascertain the value and location of the ICT assets of NOFBI Project.

Implementing the NOFBI Project

- 1.21. NOFBI Phase I involved laying of the Optic Fibre covering a total of 4,300 Kilometres connecting the former eight (8) Provincial Headquarters and also connected fifty-three (53) towns. There was no documentary evidence showing both quantities and cost of equipment installed in each site.
- 1.22. NOFBI Phase II involved laying of sub- backbone and sub- metro covering a total of 2,100 Kilometres in the forty- six (46) Counties excluding Nairobi, installation of IP equipment and creation of NOFBI Phase I Redundancy Links. It was implemented in two hundred and sixty-five (265) sites in National Government Ministries, Departments and Agencies and selected County Government (Governors') offices.
- 1.23. NOFBI Phase IIE involved extension of the Optic Fibre measuring a total of 2,500 Kilometres from the Counties to the Sub-Counties covering a total of five hundred and eighteen (518) sites in National Government Ministries, Departments and Agencies and selected Sub-County hospitals where the Contractor installed active and passive equipment.

Operation and Management of NOFBI Phase I Infrastructure

- 1.24. On 7 September 2010, the Government of Kenya represented by the PS, Ministry of Information and Communication signed a two-year Operations and Maintenance (O&M) Agreement with Telkom (K) Ltd. at a monthly Operation and Maintenance fee of Kshs.20,261,964 payable to Telkom (K) Ltd. The O&M Agreement was backdated to 11 February, 2010 resulting to Kshs.141,833,748 irregularly paid to Telkom (K) Ltd. without an Agreement for seven (7) months from February 2010 to August 2010.
- 1.25. On expiry of the O&M agreement, the NOFBI Phase I infrastructure was commercialized through a five (5) year management of NOFBI Phase I Infrastructure Agreement signed between the then PS, Ministry of Information and Communication and Telkom (K) Ltd. in 2013. Consequently, Telkom (K) Ltd. leased out the NOFBI Phase I infrastructure to other Telecommunication companies. The Audit Team noted that the commercialization agreement was backdated to 1 June, 2011 resulting to seven (7) month overlap with the O & M agreement. However, Telkom (K) Ltd. was paid the monthly O&M fee of Kshs.20,261,964 during the seven months' period but did not claim any maintenance charges.
- 1.26. The management of NOFBI Phase I Infrastructure Agreement with Telkom (K) Ltd. was not renewed or extended upon its expiry on 01 June 2016. On 7 May 2019, the CEO of ICT Authority vide letter Ref. No. ICTA/PS/18/77 wrote to the CEO of Telkom (K) Ltd. requesting for the official handover of NOFBI Phase I Network back to the Authority. However, as at the time of Audit in February, 2022 the handing over/ taking over process had not been concluded.
- 1.27. However, Telkom (K) Ltd. continued operating and maintaining the NOFBI Phase I Network and supporting all users for five and half years from 01 June 2016 up to 31 December 2021, without a contract.
- 1.28. Documents provided for audit by Telkom (K) Ltd. revealed that the total amount of revenue from the leased out NOFBI Phase I infrastructure from June 2011 to

December 2021 when Telkom (K) Ltd. ceased carrying out operations and maintenance was Kshs.2,334,000,000 while the cumulative costs incurred in maintaining the NOFBI Phase I infrastructure during the same period was Kshs.2,909,000,000. As a result, Telkom (K) Ltd. incurred a cumulative net loss of Kshs.575,000,000, which had not been reimbursed as at the time of audit in February 2022.

- 1.29. On 1 January 2022, the ICT Authority procured four contractors at a total cost of Kshs.246,940,492 for Provision of Maintenance Services for the National Optic Fibre Backbone Phase I Infrastructure measuring 3,958 Kilometres out the 4,300 Kilometres of Optic Fibre. The Audit Team noted that the four contractors namely, Soliton Telmec Ltd, Adrian Kenya Ltd, Prime Telecoms Ltd and Quavatel Ltd were awarded different amounts per Kilometre of Optic Fibre. However, the Audit Team could not establish why there were variations in amounts per Kilometre awarded to the four contractors.

Operation and Management of NOFBI Phase II Infrastructure

- 1.30. On 12 April 2021, the PS, State Department for ICT and Innovation signed a one (1) year Contract Agreement with Whitespace Technologies Ltd. for Kshs.49,388,160 for operation and maintenance of the NOFBI Phase II active and passive equipment for 579.90 Kilometres in Eastern Region. Further, on 29 October 2021, the PS, signed a similar three (3) months Contract Agreement with COM Twenty- One Ltd. for Kshs.50,335,000 for operation and maintenance of 1,600 Kilometres of the NOFBI Phase II active and passive equipment for the Western Region. However, the two Contract Agreements did not specify the geographical coverage and Project's sites covered within the Eastern and Western Regions.

Physical Verification of NOFBI Project

- 1.31. A total of twenty - two (22) Counties were sampled and visited to confirm both the existence and implementation status of NOFBI Project.
- 1.32. The anomalies noted in the various phases of the NOFBI Project included non-functioning, faulty, idle or lack of passive and active equipment, disconnected power supply and termination of Optic Fibre outside instead of inside some Offices. Consequently, some sites have contracted alternative Internet Service Providers thus incurring additional costs.

B. IP BASED HIPATH 4000 NETWORK PROJECT

Conceptualization of the IP based HiPath 4000 Network Project

- 1.33. The IP based HiPath 4000 Network Project was initiated in 2010 and has been implemented in three (3) Phases and covered The National Treasury, Telephone House and Nyayo House in Nairobi and the National Government Ministries, Departments, Agencies and County Governments (Governors') offices, selected County and Sub-County Hospitals in the forty-six (46) Counties.
- 1.34. The State Department for ICT and Innovation did not provide documentary evidence including the Project's Feasibility Study and Environmental Impact Assessment reports on how the Project's implementation sites were identified.

Budgetary Allocation and Funding for the IP based HiPath 4000 Network Project

- 1.35. The IP based HiPath 4000 Network Project was financed by both the Government of Kenya and Government of Belgium through a concessional loan of €49,389,505 (Kshs.5,534,347,176) from KBC Bank NV of Belgium. However, the total contribution by GOK could not be ascertained as the approved budgets for financial years 2011/2012 to 2015/2016 were not provided for audit. In addition,

the Audit Team could not establish how the Government of Belgium and KBC Bank NV of Belgium were identified to finance the Project.

- 1.36. Review of Credit Agreements revealed that the €49,389,505 (Kshs.5,534,347,176) included a gift/ grant amounting to €5,588,009 (Kshs.613,174,181) and a State to State loan of €11,468,284 (Kshs.1,353,257,512). However, the State Department for ICT and Innovation did not provide evidence on how the gift/ grant funds of €5,588,009 (Kshs.613,174,181) was spent. In addition, the terms and conditions for the State to State Loan amounting to €11,468,284 (Kshs.1,353,257,512) were not provided for audit.

Total Amount Disbursed for the IP based HiPath 4000 Network Project

- 1.37. Documents provided for audit revealed that the Project budget for the financial years 2016/2017 to 2020/2021 by the State Department for ICT and Innovation and ICT Authority was Kshs.3,309,744,000 and Kshs.671,350,000 respectively totaling to Kshs.3,981,094,000. Out of amount of Kshs.671,350,000 the State Department for ICT and Innovation disbursed Kshs.146,250,000 between the financial years 2016/2017 and 2018/2019 to ICT Authority. However, documents supporting disbursements for Kshs.525,100,000 were not provided for audit.

Procurement Process for the IP based HiPath 4000 Network Project

- 1.38. Phase I of the Project was undertaken by a consortium between Siemens Enterprise Communications NV and SOULCO Projects NV of Belgium while Phase II and Phase III were undertaken by SOULCO Projects NV of Belgium. The total cost of Phase I, Phase II and Phase III was €46,623,227 (Kshs.5,227,121,849). The difference between total project funding of €49,389,504 (Kshs.5,534,347,176) and contract price of €46,623,227 (Kshs.5,227,121,849) amounting €2,766,277 (Kshs.307,225,189) was an insurance premium paid to KBC Bank NV of Belgium.
- 1.39. Commercial Contracts between the Contractors and the respective Kenya Government representatives were signed on 01 December, 2010, 15 April, 2013

and 19 July, 2016 for Phase I, Phase II and Phase III respectively. All the Commercial Contracts required the Contractor to perform a site survey and develop a detailed design. The site survey and detailed design reports for Phase I and Phase II were to be presented to the Office of the President for approval while similar documents for Phase III were to be presented to the ICT Authority for approval before continuation of the Project. However, evidence to support that the site survey was carried out, and that detailed design were developed and presented to the respective offices for approval were not provided for audit.

Donor Expenditure on IP based HiPath 4000 Network Project.

- 1.40. The Project's donor component of €46,623,227 (Kshs.5,227,121,849) was paid at source by KBC Bank NV of Belgium to the Contractor SOULCO Projects NV of Belgium. The payment vouchers and documents were prepared and forwarded by the State Department for ICT and Innovation to The National Treasury for processing and onward transmission to KBC Bank NV of Belgium, which then paid the Contractors.
- 1.41. Out of the total Contract sum of €46,623,127 (Kshs.5,227,121,849), the State Department for ICT and Innovation accounted for only €11,165,528 (Kshs.1,323,094,295) leaving a balance of €35,457,599 (Kshs.3,904,027,555) that was not accounted for.

GOK Expenditure on IP based HiPath 4000 Network Project.

- 1.42. Analysis of the documents provided for audit revealed that Kshs.2,475,004,206 was incurred on operations and monitoring of the IP based HiPath 4000 Network Project being Kshs.1,561,801,147 by the State Department for ICT and Innovation and Kshs.913,203,059 by the ICT Authority respectively. However, the State Department for ICT and Innovation did not provide payment vouchers and expenditure summaries for the financial years 2011/2012 to 2014/2015 and

2019/2020 for audit review. It was therefore, not possible to ascertain the total cost incurred by the State Department on the Project.

- 1.43. Out of the Kshs.913,203,059 expenditure by the ICT Authority for the financial years 2014/2015 to 2019/2020, only Kshs.58,105,408 was supported by payment vouchers leaving a balance of Kshs.855,097,651 that was not supported.

Implementation, Operations and Management of the IP based HiPath 4000 Network Project

Absence of Policy/ Framework for Implementing the Project

- 1.44. The IP based HiPath 4000 Network Project was implemented in various National Government Ministries, Departments and Agencies and County Governments (Governors') offices, County and Sub-County hospitals. However, there was no Policy or Framework for implementing the IP based HiPath 4000 Network Project outlining the roles to be played by the various National Government Ministries, Departments, Agencies and County Governments in the Project.

Absence of an Asset Register for the Installed IP based HiPath 4000 Network ICT Equipment

- 1.45. The State Department for ICT and Innovation did not provide an asset register for IP based HiPath 4000 Network equipment acquired and installed under the Project. It was therefore, not possible to ascertain actual cost of IP based HiPath 4000 Network equipment acquired and installed.

Absence of Collocation Agreement with Telkom (K) Ltd.

- 1.46. Some of the IP based HiPath 4000 Network equipment installed during Phase I and Phase II of the Project is collocated at Telkom (K) Ltd. offices across the

Country. However, there was no Collocation Agreement between the State Department for ICT and Innovation and Telkom (K) Ltd.

Physical Verification of IP based HiPath 4000 Network Project

- 1.47. The Audit Team sampled and visited twenty - two (22) Counties to confirm both the existence and implementation status of the Project.
- 1.48. Anomalies that were noted during the physical visits to the Project's implementation sites included; lack of data security at the entry/ exit of the Network and non – functioning, faulty and idle equipment, Consequently, some sites contracted alternative Internet Service Providers thus incurring additional costs.

Conclusion

- 1.49. The objective of the forensic audit was to review the NOFBI and IP based HiPath 4000 Network Projects' conceptualization, procurement process, implementation, operation and management and to establish their current status.
- 1.50. The two Projects were implemented in National Government Ministries, Department and Agencies at the forty-seven (47) Counties and County Governments (Governors') offices. However, there was no Policy Guidelines or Framework for implementing Projects. As a result, equipment installed in some sites remained idle.
- 1.51. The NOFBI Project was financed by the Government of Kenya and Government of the People's Republic of China through EXIM Bank of China while the IP based HiPath 4000 Network Project was financed by the Government of Kenya and Government of Belgium through KBC Bank NV of Belgium. However, documents on how the Government of the People's Republic of China, EXIM Bank of China, Government of Belgium and KBC Bank NV of Belgium were identified were not provided for audit.

- 1.52. NOFBI Project was implemented in three Phases. NOFBI Phase I was implemented between 2007 and 2009, NOFBI Phase II between 2012 and 2017 and NOFBI Phase IIE between 2016 and 2020. However, the Audit Team could not ascertain the total approved budget for the Project as some budgets were not provided for audit. The IP based HiPath 4000 Network Project was also implemented in three Phases; Phase I between 2010 and 2013, Phase II between 2013 and 2017, Phase III between 2016 and 2021.
- 1.53. The NOFBI Project's total funding from the EXIM Bank of China could not be ascertained as the Framework and Concessional Loan Agreements for NOFBI Phase I were not provided for audit. However, the cost was ¥460,000,000 (Kshs.6,083,546,000) and ¥650,000,000 (Kshs.10,286,640,000) for NOFBI Phase II and NOFBI Phase IIE respectively.
- 1.54. The IP based HiPath 4000 Network Project's total cost could also not be ascertained since GOK budgets and expenditure summaries for the financial years 2011/2012 to 2014/2015 and 2019/2020 were not provided for audit. However, the amount funded by the KBC Bank NV of Belgium was €46,623,127 (Kshs.5,227,121,849).
- 1.55. The Audit Team noted that various contract agreements were entered into between respective GOK representatives and various firms for Operation and Maintenance of the NOFBI Project. However, the Audit Team noted that some contracts were backdated while others were awarded at different amounts per Kilometre without justification.
- 1.56. There was poor record keeping leading to various documents not provided for audit. In addition, there were no Asset Registers for the Projects' assets. It was therefore, not possible to ascertain the total cost of ICT Assets that were acquired and installed under the two Projects.
- 1.57. Some of the IP based HiPath 4000 Network Project's equipment is collocated at the Telkom (K) Ltd., which is a private Company. However, there was no Collocation Agreement to safeguard the Project's Assets.

- 1.58. The anomalies noted in the various Phases of the NOFBI Project during physical verification included non-functioning, faulty, idle, lack of passive and active equipment, disconnected power supply and termination of Optic Fibre outside instead of inside some offices. Consequently, some sites have contracted alternative Internet Service Providers thus incurring additional costs.
- 1.59. Further, anomalies were also noted during the physical visits to IP based HiPath 4000 Network Project's sites which included; lack of data security at the entry/ exit of the Network, non – functioning, faulty and idle equipment. Consequently, some sites contracted alternative Internet Service Providers thus incurring additional costs.

Recommendations

- 1.60. The Audit Team established that there was poor record keeping for the NOFBI and IP based HiPath 4000 Network Projects leading to absence of some documentation on identification and determination of financiers, Project's conceptualization, approved budgets, total funds disbursed, expenditure incurred and value and total Project's assets procured. The Management of both State Department for ICT and Innovation should ensure that up to date records of the Projects are maintained.
- 1.61. It was noted that Huawei Technologies Co. Ltd. was contracted to undertake NOFBI Project before The National Treasury secured the funding. It is recommended that funding be secured before engaging Contractors in future Projects of such nature and magnitude.
- 1.62. There was no Policy or Framework for implementing the two Projects outlining roles of the various National Government Ministries, Departments, Agencies and County Governments. It is recommended that the State Department for ICT and ICT Authority should formulate and implement Policy Guidelines for future Projects.

- 1.63. Some of the IP based HiPath 4000 Network Project's equipment is collocated at the Telkom (K) Ltd. offices, which is a private company in which the GOK holds 40% shareholding. However, there was no Collocation Agreement to safeguard the Project's Assets. The State Department should enter into a written Contract Agreement with Telkom (K) Ltd. on operations and management of the IP based HiPath 4000 Network Project ICT assets located in Telkom (K) Ltd. offices.
- 1.64. Further, the Audit Team noted that IP based HiPath 4000 Network lacked data security at the entry/ exit of the Network thus exposing critical information to possible data security threats. The State Department for ICT and Innovation should ensure that the IP based HiPath 4000 Network is adequately secured by installing the requisite security appliances.
- 1.65. The Audit Team noted various non- functional, faulty and idle Projects' equipment which were not serving the intended purpose. It is recommended that the Management should ensure that installed equipment is put to use and any nonfunctioning equipment is either repaired or replaced.

2. INTRODUCTION AND BACKGROUND

2.1 Introduction

2.1.1 The Auditor- General expressed a Disclaimer of Opinion on the audit of the State Department for ICT and Innovation National Optic Fibre Backbone Infrastructure (NOFBI) and IP based HiPath 4000 Network Projects for the financial year 2017/2018. The Public Accounts Committee (PAC) adopted the Report of Auditor-General (AG) for the financial year 2017/2018 in June, 2021 and made several recommendations, one being that the AG should undertake a forensic audit, on the entire scope of the NOFBI and IP based Hipath 4000 Network Projects (from inception to completion, including operations and management). The Auditor - General carried out forensic audit on the Project in accordance with the request from the Parliament.

2.2 Background

2.2.1 The State Department for ICT and Innovation is one of the Departments in the Ministry of ICT, Innovation and Youth Affairs and is mandated to perform the following functions:

- National ICT policy and innovation
- Promote e-Government
- Promotion of software development industry
- ICT Agency (E-Government, Kenya ICT Board and Government Information Technology Services)
- Provision of ICT technical support to MDAs
- Policy on automation of Government Services
- Development of National Communication Capacity and Infrastructure
- Management of National Optic Fibre Infrastructure.

2.2.2 The Information and Communication Technology (ICT) Authority is a State Corporation under the Ministry of ICT, Innovation and Youth Affairs. It was established in August 2013 and its functions include:

- Set and enforce ICT standards and guidelines for the human resource, infrastructure, processes and system and technology for the public office and public service; and
- Deploy and manage all ICT staff in the public service;
- Facilitate and regulate the design, implementation and use of ICTs in the public service;
- Promote e-Government services;
- Facilitate optimal electronic, electronic form, electronic record and equipment use in public service;
- Promote ICT Innovation and enterprise;
- Establish, develop and maintain secure ICT infrastructure and systems
- Supervise the design, development and implementation of critical ICT Projects across the public service.
- Implement and manage the Kenya National Spatial Data Initiative

2.2.3 The NOFBI and IP based HiPath 4000 Network Projects are resident in the State Department for ICT and Innovation and the ICT Authority that provides oversight role. Telkom (K) Ltd. was in charge of operations and management of Phase I of NOFBI Project.

- 2.2.4 The objective of NOFBI Project was to build a terrestrial fibre network connecting government institutions countrywide to enable digitization of services and improve service delivery.
- 2.2.5 The NOFBI Project has been implemented across the Country in three Phases and is financed by the Government of Kenya and the Government of the People's Republic of China through Export Import (EXIM) Bank of China. All the Counties and sites where the NOFBI Project was implemented are monitored and supported from the Network Operating Centre (NOC) at ICT Authority.
- 2.2.6 The IP based HiPath 4000 Network Project aims at ensuring that National Government offices at the County level and County Government (Governors') offices are connected to internet as well as promoting other online services such as telephone connectivity, emails and teleconferencing. Since the Project is aimed at ensuring connectivity at the County level it is also referred to as the County Connectivity Project (CCP) / Last Mile County Connectivity Project (LCCP).
- 2.2.7 The IP based HiPath 4000 Network Project has been implemented in three Phases: In Phase I, a total of twenty-eight (28) Counties were fully connected to the National Government Ministries through the Government Common Core Network (GCCN); In Phase II, the remaining nineteen (19) Counties and other two sites, in Kilifi and Laikipia, were connected to the National Government Ministries through the National Fibre Optic Backbone (NOFBI); In Phase III, connectivity has been expanded to other National Government Ministries, Departments and Agencies in the Counties.
- 2.2.8 All the Counties and sites where the IP based HiPath 4000 Network Project was implemented are monitored and supported from the Network Operating Centre (NOC) at The National Treasury.
- 2.2.9 The IP based HiPath 4000 Network Project is financed by the Government of Kenya and the Government of Belgium through KBC Bank NV of Belgium.

2.3 Objective

- 2.3.1 The objective of the audit was to review the NOFBI and IP Based 4000 Network Projects' conceptualization, procurement process, implementation, operation and management and to establish their current status.

2.4 Terms of Reference

The following Terms of Reference (TORs) guided the Audit Team;

The National Optic Fibre Backbone Infrastructure (NOFBI) Project:

1. Establish how the NOFBI Project was conceptualized.
2. Confirm the total budgetary allocation and total amount disbursed by the National Treasury, State Department for Information, Communication, Technology (ICT) and Innovation, and Development partners.
3. Review the procurement process for the NOFBI Project in line with Public Procurement Disposal Act, 2005, & Public Procurement and Asset Disposal Act, 2015 and Regulations, 2006.
4. Confirm actual payments made for the NOFBI Project in line with the Government Financial Management Act, 2004 (revised 2009), Public Finance Management Act, 2012 and the Public Finance Management (National Government) Regulations, 2015.
5. Establish the implementation, operations and management of the NOFBI Project.
6. Conduct physical verification of Project sites to ascertain status of NOFBI Project.

The IP based HiPath 4000 Network Project

1. Establish how the IP based HiPath 4000 Network Project was conceptualized.

2. Confirm the total budgetary allocation and total amount disbursed by the National Treasury, State Department for Information, Communication, Technology (ICT) and Innovation, and Development partners.
3. Review procurement process for the IP based HiPath 4000 Network Project in line with Public Procurement Disposal Act, 2005, & Public Procurement and Asset Disposal Act, 2015 and Regulations, 2006 and Legal Notice No. 106 of 18th June 2013.
4. Confirm actual payments made for the IP based HiPath 4000 Network Project in line with the Public Finance Management Act, 2012 and the Public Finance Management (National Government) Regulations, 2015.
5. Establish the implementation and operations of the IP based HiPath 4000 Network Project.
6. Conduct physical verification to ascertain current status of IP based HiPath 4000 Network Project.

2.5 Scope of Work, Limitations and Mitigation

Scope

- 2.5.1 The Audit Team was limited to the two Projects; the National Optic Fibre Backbone Infrastructure Project and the IP based HiPath 4000 Network Project. The forensic audit covered the financial years 2007/2008 to 2020/2021 for the NOFBI Project and financial years 2010/2011 to 2020/2021 for the IP based HiPath 4000 Network Project.

Limitations and mitigation

- 2.5.2 The Audit Team experienced challenges and limitations which were mitigated in several ways in order not to negatively affect the quality and result of the findings. Some of the challenges included:

- i) The NOFBI and IP based HiPath 4000 Network Projects were implemented from 2007 and 2010 respectively. The reorganization and restructuring of the National Government has led to movement of the Projects from one Ministry / Department to another without handing over/ taking over of documentation relating to the two Projects. As a result, the Audit Team faced challenges in obtaining some documentation for the two Projects. A list of documents requested but were not provided for audit is detailed in **Appendix II**.
- ii) The two Projects were implemented in all the forty-seven (47) Counties across the Country. Due to the rough terrain, wide coverage and technical nature of the two Projects, the Audit Team could not cover all the implementation sites. Further, the Optic Fibre is installed underneath the ground and due to lack of specialized IT equipment, it was not possible to carry out measurement of the entire distance of the Optic Fibre.

2.5.3 The Audit Team corroborated evidence obtained from various sources to mitigate the effects of the limitations.

2.6 Audit Approach and methodology

2.6.1 The Audit Team adopted the following audit approach and methodology in evidence gathering, analysis and reporting.

Documentary Review

2.6.2 The Audit Team reviewed and examined documents which include the Kenya Information and Communications Act No. 2 of 1998 (Revised Edition 2020), Government Enterprise Architecture (GEA) ICT Standards, the Credit and Financing Agreements, Public Finance Management Act 2012, Public Finance Management Regulations 2015, The Public Procurement and Disposal Act 2005 and the Public Procurement and Asset Disposal Act 2015, Regulations 2005 and 2015, Procurement records, budgets, payment records and physical verification reports among others.

Analytical review

2.6.3 Information and records from the Finance, Procurement and ICT departments were analyzed and results used to arrive at conclusions.

Interviews

2.6.4 The Audit Team interviewed senior officers from the State Department of ICT and Innovation, ICT Authority, Telkom (K) Ltd., SOULCO (K) Ltd. and Huawei Technologies (K) Ltd. to clarify various issues to assist in making an informed report as listed in Table 2 below.

Table 2: List of Persons Interviewed

Name	Designation	Entity	Date Interviewed
Andrew Opiyo	Deputy Director, ICT	State Department of ICT and Innovation	08 Nov 2021
Thomas Odhiambo	Head of Project Management Office	ICT Authority	05 Dec 2021
Jessy Kiveu	Head of Public Sector	Telkom (K) Ltd.	04 Mar 2022
Kris Verspecht	MD, SOULCO (K) Ltd.	SOULCO (K) Ltd.	16 Dec 2021
Kevin Wen	MD, Enterprise	Huawei Technologies (K) Ltd.	09 Dec 2021

2.6.5 The evidence obtained through various approaches and methodology were further analyzed, authenticated and corroborated before being used as evidence in this report.

Physical Verification

2.6.6 The Audit Team carried out physical verifications of the Project and related assets at the twenty- two (22) Counties out of the forty- seven (47) Counties where the two Projects were implemented.

2.7 Report Structure

2.7.1 This report is presented in the following format:

- i) Executive Summary,
- ii) Background and Introduction,
- iii) Detailed Findings,
- iv) Conclusion
- v) Irregularities, Weaknesses and Recommendations
- vi) Appendices.

2.7.2 The report should be read in its entirety in order to comprehend fully the approach to and findings of our work. The report has covered analysis and facts as understood with the aim of informing the Parliamentary Accounts Committee, State Department for ICT and Innovation and ICT Authority of the status of the NOFBI and IP based HiPath 4000 Network Projects bearing in mind the challenges and limitations experienced.

3. DETAILED FINDINGS

A. THE NATIONAL OPTIC FIBRE BACKBONE INFRASTRUCTURE (NOFBI) PROJECT

3.1 Conceptualization of the NOFBI Project

- 3.1.1 The Cabinet in a Memorandum dated 24 August, 2006 discussed the implementation of the National BackBone Network Project. The Project was to facilitate establishment of a national public Broadband network with access points in every district in order to attract and stimulate private sector participation in provision of rural telecommunications services.
- 3.1.2 The Project was implemented in three (3) Phases and aimed at establishing a national telecommunication backbone network using fibre-optic cable connecting all provincial and district headquarters in the first Phase at an estimated 5,000 Kilometres in addition to the 600 Kilometres (Nairobi to Mombasa) which had already been connected. The fibre cable rings were to traverse distances measuring 1,158 Kilometres in Central Region, 1,359 Kilometres in the Western Region and 1,682 Kilometres covering Coast and North Eastern Region.
- 3.1.3 The estimated cost of Phase I of the Project was USD80,000,000 (Kshs.5,822,400,000) and was to be funded through supplier credits, grants, concessions and loans.
- 3.1.4 Documents provided for audit revealed that the Kenya Vision 2030 for the Information Communication and Technology (ICT) Sector is Upgrading National ICT Infrastructure which comprises of several Projects among them Expansion of fibre-optic Networks to cover Hospitals, Schools, Police Stations and other Public Service Institutions. It further envisioned the establishment of Wide Area Network and Network Operations Centre to ensure that each County Headquarters use a broadband network with a minimum capacity of 4Mbps per Agency, VOIP telephony and unified communication systems.

NOFBI Phase I

- 3.1.5 Phase I of NOFBI was implemented from 2007 to 2009 by the then Ministry of Information and Communications. The Project established a National Optic Fibre Backbone Infrastructure, whose objective was to connect the Eight (8) former Provincial Headquarters namely; Nairobi, Central, Coast, North Eastern, Rift Valley, Nyanza, Western and Eastern.
- 3.1.6 The NOFBI Phase I Fibre backbone covers a total of 4300 Kilometres of Optic Fibre and passed through fifty- three (53) towns as shown in the table below

Table 3: Towns Covered by Optic Fibre NOFBI Phase I

1	Nairobi (2 sites)	15	Kitale	29	Mwingi	43	Malindi
2	Longonot	16	Lokichar	30	Kitui	44	Milhoi
3	Narok	17	Lodwar	31	Machakos	45	Lamu
4	Bomet	18	Kakuma	32	Kangundo	46	Hola
5	Kericho	19	Lokichoggio	33	Mbuvu	47	Marsabit
6	Kisii	20	Thika	34	Kajiado	48	Moyale
7	Migori	21	Muranga	35	Namanga	49	Ramu
8	Isebania	22	Embu	36	Garsen	50	Elwak
9	Kisumu	23	Nyeri	37	Garissa	51	Wajir
10	Kakamega	24	Nanyuki	38	Mazeras	52	Habaswein
11	Mumias	25	Nyahururu	39	Kwale	53	Eldera
12	Busia	26	Nakuru	40	Diani		
13	Webuye	27	Meru	41	Mombasa		
14	Eldoret	28	Isiolo (2 sites)	42	Kilifi		

- 3.1.7 NOFBI Phase I is already in use in the National Government Ministries, Departments and Agencies, and by the Telecommunication Companies that have leased the NOFBI infrastructure such as Telkom (K) Ltd., Safaricom PLC, Jamii Telecommunication Limited and Kenya Education Network Transforming (KENET).

NOFBI Phase II

- 3.1.8 Phase II of NOFBI Project was implemented from 2012 to 2017 and was to further increase the Optic Fibre coverage and safety protection, so as to enable the forty- six (46) County Governments to form an efficient transmission network with the National Government and covered a total of 2,100 Kilometres of Optic Fibre.
- 3.1.9 The County Government of Nairobi was not included in this Phase as it was connected under the Government Common Core Network (GCCN) which was implemented in 2006 by the Directorate of E-government and the ICT Board to provide seamless and secure communication via teleconferencing and email among the civil servants which connected Headquarters of twenty-nine (29) Ministries in Nairobi.

NOFBI Phase II Expansion (IIE)

- 3.1.10 Phase IIE of the NOFBI Project was implemented from 2016 to 2020 and involved laying of Optic Fibre measuring 2,500 Kilometres from the Counties to the Sub-Counties and installation of active and passive equipment in a total of five hundred and eighteen (518) sites in the National Government Ministries, Departments and Agencies and selected Sub-County hospitals.

3.2 Budgetary Allocation and Total Amount Disbursed for the NOFBI Project **Approved budgetary allocation**

- 3.2.1 The Audit Team established that NOFBI Project was financed by the Government of Kenya and the Government of the People's Republic of China through Export-Import (EXIM) Bank of China. The budget was factored in the Development Budgets for both the State Department for ICT and Innovation, and ICT Authority as detailed in the table below.

Table 4: Approved Annual Budgets for NOFBI Project

FY/Project	State Department for ICT and Innovation						SDICTI Total Approved Budget in Kshs.	ICT Authority Approved Budget in Kshs.	Overall Total Approved Budget in Kshs.
	GOK Component			Donor Component					
FY/Project	NOFBI I	NOFBI II	NOFBI IIE	NOFBI I	NOFBI II	NOFBI IIE	Sub Totals	Budget	
2007/2008							-		-
2008/2009							-		-
2009/2010	Not Provided			Not Provided			-	ICTA was not in existence	-
2010/2011				-			-		-
2011/2012	-	Not started		-	Not started		-		-
2012/2013	-			-			-		-
2013/2014	-			-			-		-
2014/2015	-	Not Provided		-	Not Provided		-		-
2015/2016	-	348,000,000	Not Started	-	2,100,000,000	Not started	2,448,000,000	Not Provided	2,448,000,000
2016/2017	-	75,000,000	48,500,000	-	1,000,000,000	1,900,000,000	3,023,500,000	25,000,000	3,048,500,000
2017/2018	-	125,810,326	395,000,000	-	1,600,000,000	1,867,500,000	3,988,310,326	120,600,000	4,108,910,326
2018/2019	-	50,000,000	100,000,000	-		1,750,000,000	1,900,000,000	100,000,000	2,000,000,000
2019/2020	-	524,709,214	84,000,000	-	271,000,000	2,418,729,567	3,298,438,781	84,000,000	3,382,438,781
2020/2021	-	30,585,886	634,000,000	-		1,470,000,000	2,134,585,886	634,000,000	2,768,585,886
Total	-	1,154,105,426	1,261,500,000	-	4,971,000,000	9,406,229,567	16,792,834,993	963,600,000	17,756,434,993

Absence of Documentation on Budgetary Allocation for NOFBI Phase I and NOFBI Phase II

- 3.2.2 The State Department for ICT and Innovation did not provide approved budgets for the financial years 2007/2008 to 2010/ 2011 for NOFBI Phase I and financial years 2012/2013 to 2014/2015 for NOFBI Phase II.
- 3.2.3 Similarly, the ICT Authority did not provide the approved budgets for financial years 2014/2015 and 2015/2016 relating to NOFBI Phase II contrary to Section 68(2)(b) of the Public Finance Management Act, 2012, that states, an accounting officer shall ensure that the entity keeps financial and accounting records.
- 3.2.4 Consequently, the Audit Team could not establish the total approved budgetary allocation for the NOFBI Project.

NOFBI Donor Funding by the Export- Import (EXIM) Bank of China

3.2.5 The Government of Kenya and the Government of the People's Republic of China signed Framework Agreements for provision of concessional loan for NOFBI Phase II and NOFBI Phase IIE as follows:

Table 5: Framework Agreements

Description	NOFBI Phase II	NOFBI Phase IIE
Date of the Framework Agreement	28-Jun-12	16-Dec-15
Amount	¥460,000,000	¥650,000,000
Interest rate	2% p.a	2% p.a
Duration of the Loan (including the grace period of 7 years)	Shall not exceed 20 years	Shall not exceed 20 years
Commercial Contract amount	USD72,500,000	USD98,650,000,000

3.2.6 However, it was not explained how the Government of Kenya identified the Government of the People's Republic of China and EXIM Bank of China to be the Chief Financiers of the Project. Further, Framework Agreements for NOFBI Phase I were not provided for audit.

3.2.7 The NOFBI Phase I, NOFBI Phase II and NOFBI Phase IIE were financed by the Government of Kenya through the then Ministry of Information and Communications and a Concessional Loan from the Government of the People's Republic of China through the Export- Import (EXIM) Bank of China.

3.2.8 The Concessional Loan Agreement for NOFBI Phase I was not provided for audit review. In view of the above, the Audit Team could not establish terms and conditions of the Concessional Loan.

3.2.9 In NOFBI Phase II and NOFBI Phase IIE, the Government of Kenya represented by The National Treasury entered into the following Concessional Loan Agreements with Export - Import (EXIM) Bank of China.

Table 6: Concessional Loan Agreements for NOFBI Phase II and NOFBI Phase IIE

Description	NOFBI Phase II	NOFBI Phase II E
Date of the Loan Agreement	08 October 2012	19 May 2016
Amount	¥460,000,000	¥650,000,000
Interest rate	2% p.a	2% p.a
Management fee	1% (or ¥4,600,000)	0.25% (or ¥1,625,000)
Commitment fee	0.75% p.a	0.25% p.a
Maturity Period	240 months	240 months

3.2.10 Documents provided for audit revealed that Phase I of the NOFBI Project was carried out by three contractors namely; ZTE Corporation Ltd., Sagem Communications and Huawei Technologies Co. Ltd.

3.2.11 The then Office of the President – Cabinet Office entered into a Commercial Agreement with Huawei Technologies Co. Ltd. for NOFBI Phase I, However, Commercial Agreement for ZTE Corporation Ltd. was not provided for audit.

3.2.12 Further, the Ministry of Information, Communication and Technology entered into Commercial Contract with Sagem Communications for NOFBI Phase I- Coast and North Eastern Region and Huawei Technologies Co. Ltd. for NOFBI Phase II and NOFBI Phase IIE as detailed in the table below;

Table 7: Commercial Contracts for NOFBI Project

Project Phase	Contractor	Commercial Contract Date	Contract Price in Euros	Contract Price in USD
NOFBI I	ZTE Corporation Ltd.	Not Provided		Not provided
	Sagem Communications	29 November 2007	14,853,570	
	Huawei Technologies Co. Ltd.	08 June 2007		42,000,000
NOFBI II	Huawei Technologies Co. Ltd.	07 July 2010		72,500,000

NOFBI IIE	Huawei Technologies Co. Ltd.	17 December 2014		98,650,000
	Total		14,853,570	213,150,000

3.2.13 The Commercial Contract Agreements between the Government of Kenya and Huawei Technologies Co. Ltd. for NOFBI Phase II and NOFBI Phase IIE were therefore signed before the Framework and Concessional Loan Agreements were entered into between the Government of Kenya represented by The National Treasury and the Government of the People's Republic of China represented by the EXIM Bank of China as summarized in the table below.

Table 8: Comparison of Framework, Concessional Loan and Commercial Agreements Dates

Project Phase	Date of Agreements with GOK			Amount of Loan
	Framework Agreement with Govt. of China	Concessional Loan Agreement with EXIM Bank	Commercial Contracts with Huawei	
NOFBI I	Not provided	Not provided	08-Jun-07	Not provided
NOFBI II	28-Jun-12	08-Oct-12	07-Jul-10	¥460,000,000
NOFBI IIE	16-Dec-15	19-May-16	17-Dec-14	¥650,000,000

3.2.14 From the foregoing, it was noted that the contractor was first sourced, followed by securing of funding for the NOFBI Phase II and NOFBI Phase IIE through the signing of Framework and the Concessional Loan Agreements between the Government of Kenya, Government of China and EXIM Bank of China.

Actual Funds Disbursed for NOFBI Project

3.2.15 The Audit Team established that the Donor funding component was utilized at source. The payment documents were prepared and forwarded by the State Department for ICT and Innovation to The National Treasury for processing and onward transmission to EXIM Bank of China, which then paid the Contractor, Huawei Technologies Co. Ltd.

3.2.16 The total disbursements made by The National Treasury for the GOK component is summarized in the table below.

Table 9: GOK Component Disbursed for NOFBI Project

Financial Year	Project Phase	Actual Disbursement	
		State Department for ICT and Innovation (Kshs.)	ICT Authority (Kshs.)
2007/2008-2013/2014	NOFBI I	Not Provided	N/A
2014/2015	NOFBI II	Not Provided	Not Provided
2015/2016	NOFBI II	Not Provided	Not Provided
2016/2017	NOFBI II	37,008,537	25,000,000
	NOFBI IIE	-	-
2017/2018	NOFBI II	123,240,000	120,600,000
	NOFBI IIE	370,000,000	-
2018/2019	NOFBI II	14,280,429	-
	NOFBI IIE	100,000,000	100,000,000
2019/2020	NOFBI II	286,179,872	-
	NOFBI IIE	42,000,000	42,000,000
2020/2021	NOFBI II	-	-
	NOFBI IIE	582,000,000	582,000,000
Total		1,554,708,838	869,600,000

3.2.17 Review of documents provided for audit revealed that the National Treasury disbursed a total of Kshs.1,554,708,838 to the State Department for ICT and Innovation for NOFBI Phase II and NOFBI Phase IIE. Out of the Kshs.1,554,708,838, the State Department for ICT and Innovation disbursed a total of Kshs.869,600,000 to the ICT Authority. The balance of Kshs.685,108,838 was utilized by the State Dept. for ICT and Innovation on operations and monitoring activities of the NOFBI Project as detailed in the table below;

Table 10: Analysis of GOK Component Expenditure of Kshs.685,108,839

Financial Year	PV No.	Payee	Description	Amount in Kshs.
2016/2017	1606	Huawei Technologies (K) Ltd.	Reimbursement for Customs and Clearance fees	1,460,284
2016/2017	436	Huawei Technologies (K) Ltd.	Reimbursement for Customs and Clearance fees	1,329,680

2016/2017	895	Huawei Technologies (K) Ltd.	Reimbursement for Customs and Clearance fees	1,585,895
2016/2017	342	Huawei Technologies (K) Ltd.	Reimbursement for Customs and Clearance fees	7,632,678
2017/2018	369	Tawe Enterprises	Supply of UPS 700VA	277,500
2017/2018	367	Tawe Enterprises	Supply of Desktop Computers	2,077,500
2017/2018	368	Tawe Enterprises	Supply of Medium Duty Printers	285,000
2017/2018	1301	ICT Authority	Release of ESCROW account	20,000,000
2017/2018	900	ICT Authority	Release of ESCROW account	350,000,000
2018/2019	528	Huawei Technologies (K) Ltd.	Reimbursement for Customs and Clearance fees	14,280,429
2019/2020	2426	Huawei Technologies (K) Ltd.	NOFBI II Maintenance	8,755,962
2019/2020	2409	Huawei Technologies (K) Ltd.	NOFBI II Maintenance	277,423,911
Total				685,108,838

GOK Component Budget Vs Disbursed for NOFBI Project

3.2.18 In addition, and based on documents provided and reviewed, comparison of the approved budget and actual disbursements made for NOFBI Project revealed the following variances as shown in the table below:

Table 11: GOK Component Budget Vs Disbursed for NOFBI Project

Financial Year	Project Phase	State Department for ICT and Innovation			ICT Authority		
		Budget Allocation in (Kshs.)	Actual Disbursement from National Treasury (Kshs.)	Variance in (Kshs.)	Budget Allocation in (Kshs.)	Actual Disbursement from State Department for ICT (Kshs.)	Variance (Kshs.)
			Kshs.		Kshs	Kshs	
2007/2008-2013/2014	NOFBI I	Not Provided	Not Provided	-	N/A	N/A	N/A
2014/2015	NOFBI II	Not Provided	Not Provided	-	Not Provided	Not Provided	-
2015/2016	NOFBI II	348,000,000	Not Provided	-	Not Provided	Not Provided	-
2016/2017	NOFBI II	75,000,000	37,008,537	37,991,463	25,000,000	25,000,000	-
	NOFBI IIE	48,500,000	-	48,500,000	-	-	-
2017/2018	NOFBI II	125,810,326	123,240,000	2,570,326	120,600,000	120,600,000	-

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	NOFBI IIE	395,000,000	370,000,000	25,000,000	-	-	-
2018/2019	NOFBI II	50,000,000	14,280,429	35,719,571	-	-	-
	NOFBI IIE	100,000,000	100,000,000	-	100,000,000	100,000,000	-
2019/2020	NOFBI II	524,709,214	286,179,872	238,529,342	-	-	-
	NOFBI IIE	84,000,000	42,000,000	42,000,000	84,000,000	42,000,000	42,000,000
2020/2021	NOFBI II	30,585,886		30,585,886	-	-	-
	NOFBI IIE	634,000,000	582,000,000	52,000,000	634,000,000	582,000,000	52,000,000
Total		2,415,605,426	1,554,708,838	860,896,588	963,600,000	869,600,000	94,000,000

3.2.19 Documents provided for audit revealed that disbursement made to the State Department for ICT and Innovation and ICT Authority during the financial years 2016/2017 to 2020/2021 was Kshs.2,415,605,426 and Kshs.963,600,000 totalling to Kshs.2,424,308,838. However, the Audit Team could not confirm the total amount disbursed to the Project since documents for the financial years 2014/2015 and 2015/2016 were not provided for audit.

3.3 Procurement Process for the NOFBI Project

3.3.1 Details of the three Phases of NOFBI Project are summarized in the table below.

Table 12: Phases of the NOFBI Project

Project Phase	Contractor	Contract Amount (Euros)	Contract Amount (USD)	Implementation Period	Optic Fibre Coverage (Km)
NOFBI I	ZTE Corporation Ltd.	Not provided	Not Provided	2007 - 2009	4,300
	Sagem Communications	14,853,570			
	Huawei Technologies Co. Ltd.		42,000,000		
NOFBI II	Huawei Technologies Co. Ltd.		72,500,000	2012 - 2017	2,100
NOFBI IIE	Huawei Technologies Co. Ltd.		98,650,000	2016 - 2020	2,500
	Total	14,853,570	213,150,000		

3.3.2 In the absence of procurement documents and Commercial Contract for ZTE Corporation Ltd. the total cost of NOFBI Project could not be ascertained.

Procurement of NOFBI Phase I Project

Lack of Procurement Documents

3.3.3 The Audit Team established that the then Office of the President - Cabinet Office and the then Ministry of Information and Communications contracted three companies to build a Fibre network and supply the transmission (Wavelength Division Multiplexing) equipment. The companies and the respective regions covered were as follows.

Table 13: Contractors for NOFBI Phase I Project

No.	Contractor	Region Covered	Coverage
1	Huawei Technologies Co. Ltd	Central Region	Nairobi, Thika, Muranga, Embu, Nyeri, Nanyuki, Nyahururu, Nakuru, Meru, Isiolo, Mwingi, Kitui, Machakos, Kangundo, Mbuvu, Kajiado, Namanga, Garissa
2	ZTE Corporation Ltd	Western Region	Nairobi, Longonot, Narok, Bomet, Kericho, Kisii, Migori, Isebania, Kisumu, Kakamega, Mumias, Busia, Webuye, Eldoret, Kitale, Lokichar, Lodwar, Kakuma, Lokichoggio
3	Sagem Communications	Coast and North Eastern Region	Mazeras, Kwale, Diani, Mombasa, Kilifi, Malindi, Milhoi, Lamu, Isiolo, Hola, Marsabit, Moyale, Ramu, Elwak, Wajir, Garsen, Habaswein and Eldera.

- 3.3.4 However, documents relating to how the three companies were identified and procured were not provided for audit. The Audit Team therefore, could not confirm whether the three companies were sourced competitively. On 29 November 2007, the then Ministry of Information, Communication and Technology entered into a commercial contract with Sagem Communications for NOFBI Phase I Coast and North Eastern Region at a contract price of €14,853,570 (Kshs.442,789,360).
- 3.3.5 On 8 June 2007, the Government of Kenya represented by the Principal Administrative Secretary, Cabinet Office (Office of President) signed a Contract for USD42,000,000 (Kshs.2,977,800,000) with Huawei Technologies Co. Ltd. through its subsidiary and agent Huawei Technologies (K) Ltd. represented by the Director for East Africa for establishing an e - government network linking Government Offices by data cables. The breakdown of the contract price is as detailed below.

Table 14: Analysis of NOFBI Phase I Contract Price of USD42,000,000

Item	Proportion of Contract	Amount in USD
Advance Payment of the Contract	20% of the Equipment Value	6,677,703.12
Supply and Delivery of Equipment, Materials, and Other Goods	60% of the Equipment Value	20,033,109.37
Equipment Installation	15% of the Equipment Value	5,008,277.34
Release of Retained amounts	5% of the Equipment Value	1,669,425.78
Services (Testing and Commissioning and Installation)	80% of the Engineering Services Value	2,201,770.62
	20% of the services value	550,442.66
Training		911,804.24
Maintenance		4,947,466.87

Total	42,000,000
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3.3.6 However, documents relating to advance payment, equipment supplied and delivered, engineering service, training and maintenance costs were not provided for audit verification. Therefore, the Audit Team could not confirm the payment and utilization of USD42,000,000 (Kshs.2,977,800,000).

3.3.7 Section 7.1 of the Commercial Contract states that the Contractor shall complete the Project within the time specified in the Final Agreed Project Plan. However, the Final Agreed Project Plan was not provided for audit review. In the circumstances, the audit could not confirm whether the Project was completed within the specified time limits.

Procurement of NOFBI Phase II Project

3.3.8 On 7 July 2010, the Government of Kenya represented by the Ministry of Information, Communications and Huawei Technologies Co. Ltd. through its subsidiary and agent Huawei Technologies (K) Ltd. signed a Contract for USD72,500,000 (Kshs.7,407,325,000) for expanding National Optic Fibre Backbone Infrastructure (NOFBI), extending the Government Information System from the National Government to Districts, and Networking Public Hospitals in Districts.

3.3.9 The Commercial Contract was signed by the then Permanent Secretary, Ministry of Information and Communications, and the Commercial Manager on behalf of Huawei Technologies Co. Ltd. The Contract price is analyzed in the table below;

Table 15: Break down of NOFBI Phase II Contract price of USD 72,500,000

Item	Proportion of Contract	Amount in USD
Advance Payment of the Contract	20% of the Contract Price	14,500,000.00

Supply and Delivery of Equipment, Materials, and Other Goods	60% of the Equipment value	9,645,975.18
Equipment Installation	15% of the Equipment value	2,411,493.80
Release of Retained amounts	5% of the equipment value	803,831.27
Services (Testing and Commissioning and Installation)	70% of the Engineering Services value	33,773,595.76
	10% of the Services value	4,824,799.39
Training costs		2,162,757.63
Maintenance costs		4,377,546.97
Total		72,500,000

3.3.10 On 17 October 2011, an amendment was made to Four (4) Clauses of the Commercial Contract dated 7 July, 2010 namely; Clause 2 on Scope of the System (Operational Acceptance and Warranty), Clause 5 on the Contractor (Performance Security), Clause 11 (Contractor Price and Payment Services - Payment for active Equipment Supply, Testing, Commissioning and Installation, Training and Maintenance) and Clause 17 (General- Effective Date). A comparison of the original and amended Commercial Contract prices is as summarized below:

Table 16: Comparison of Original and Amended NOFBI Phase II Contract Price Summary

No.	Item	Commercial Contract Price Summary		Variations (USD)
		Original (USD)	Amended (USD)	
1	Equipment and material	16,076,625	34,520,962	(18,444,337)
2	Logistics Fee	0	658,133	(658,133)
3	Engineering Service	48,247,994	28,007,688	20,240,306
4	Training	2,703,447	1,023,199	1,680,248

5	Maintenance	5,471,934	8,290,019	(2,818,085)
	Total	72,500,000	72,500,000	0.00

3.3.11 No explanation was provided on why the Contract was amended and whether the amendments/variations affected the original quantity and quality of goods and services.

3.3.12 Under the amended Commercial Contract, the Contractor was to conduct trainings, one local and one overseas for a total sum of USD1,023,199 (Kshs.104,540,198). However, the training plan, list of trainees, training timetable and content, attendance list for local training and proof of travel for overseas were not provided for audit review. Under the circumstances, it was not possible to confirm training component amounting to USD1,023,199 (Kshs.104,540,198).

3.3.13 Analysis of the Proof of Delivery documents provided for audit revealed that NOFBI Phase II Equipment were delivered by Huawei Technologies Co. Ltd. between 18 December 2012 and 17 November 2017 and were received by officers of the State Department for ICT and Innovation. However, the delivery documents did not contain the prices of the equipment and it was therefore not possible to confirm the total cost of NOFBI Phase II Equipment that was delivered.

Procurement of NOFBI Phase II Expansion (NOFBI IIE) Project

3.3.14 On 17 December 2014, the Ministry of Information and Communications represented by the PS and Huawei Technologies Co. Ltd. represented by the Director of Solutions signed a Contract of USD98,650,0000 (Kshs.10,112,611,500), expanding NOFBI by extending the Government Information System from the Counties to Citizen Information Centres in two hundred and ninety (290) Constituencies as summarized in the table below.

Table 17: Analysis of Contract Price of NOFBI Phase IIE of USD98,650,000

No.	Item	Original Commercial Contract Price Summary
1	Equipment and material	31,385,295
3	Engineering Service	2,900,000
4	OSP Service	50,064,705
5	Training	500,000
6	3- Year Maintenance	9,800,000
7	Project Management	1,500,000
8	Freight and Insurance	2,500,000
	Total	98,650,000

3.3.15 The Audit Team noted that the original Contract sum of USD98,650,000 (Kshs.10,112,611,500) was distributed in 8 items. However, a Supplementary Agreement which gave more details on the 8 items was signed on 20 June 2017 between the Ministry of ICT, Innovation and Youth Affairs and Huawei Technologies Co. Ltd.

3.3.16 Upon completion of the Project in November 2020, the Contractor was to provide maintenance, technical assistance and operational support for three (3) years ending November 2023. The Audit Team confirmed that Huawei Technologies (K) Ltd. was undertaking Operation and Maintenance service for NOFBI Phase IIE at the time of audit in February, 2022 at a cost of USD9,800,000 (Kshs.1,004,367,484) as stated in the contract.

3.4 Payments Made for NOFBI Project

Absence of Payment Vouchers and Records for NOFBI Phase I and NOFBI Phase II

3.4.1 As earlier indicated, records of payments for NOFBI Phase I made to ZTE Corporation Ltd. who executed Western Region and Sagem Communications who executed Coast and Northern Region at a Contract sum of €14,853,570 (Kshs. 442,789,360) were not provided for audit verification.

3.4.2 A review of the Commercial Contract Agreements between Government of Kenya and Huawei Technologies Co. Ltd revealed that the total contract sum of NOFBI Phase I- Central Region, NOFBI Phase II and NOFBI Phase IIE undertaken by Huawei Technologies Ltd. was USD213,150,000 (Kshs.20,497,736,500).

3.4.3 Out of USD213,150,000 the ICT Authority accounted for USD106,828,026 (Kshs.10,948,160,416) payments made to the Contractor leaving an outstanding amount of USD106,321,974 (Kshs.9,549,576,084) that was not accounted for contrary to Section 68(2)(b) and (c) of the Public Finance Management Act. 2012 which states that an Accounting Officer shall ensure that the entity keeps financial and accounting records and that all financial and accounting records the entity keeps in any form including in electronic form are adequately protected and backed up as summarized in the table below.

Table 18: Payments Made by ICT Authority to Huawei Technologies Co. Ltd.

Contractor	Project Phase	Contract Sum (USD)	Amount Accounted For		Unaccounted in USD
			Paid (USD)	Not Paid for (USD)	
Huawei Technologies Co. Ltd.	Phase I	42,000,000	-	-	42,000,000
ZTE Corporation Kenya	Phase I	-	-	-	-
Sagem Communication	Phase I	-	-	-	-
Huawei Technologies Co. Ltd.	Phase II	72,500,000	8,178,026	-	64,321,974
Huawei Technologies Co. Ltd.	Phase II E	98,650,000	88,850,000	9,800,000	-
Total		213,150,000	97,028,026	9,800,000	106,321,974

3.4.4 The National Treasury disbursed a total of Kshs.1,554,708,838 being GOK Component for NOFBI Phase II and NOFBI Phase IIE to the State Department for ICT and Innovation. Out of the Kshs.1,554,708,838, the State Department utilized Kshs.685,108,838 on Project's operations and monitoring activities while the balance of Kshs.869,600,000 was disbursed to ICT Authority.

3.4.5 Out of the Kshs.869,600,000 received by the ICT Authority, a total of Kshs.713,818,530 was utilized on operational costs for NOFBI Phase II and NOFBI Phase IIE leaving an unexplained balance of Kshs.155,781,470.

Un- Drawn Loan Facility for NOFBI Phase II

3.4.6 According to the Concessional Loan Agreement for NOFBI Phase II signed between The National Treasury and Export Import Bank of China on 8 October 2012, the availability period for the loan was the period commencing on the date on which the agreement became effective on 28 November 2012 and ending on the date falling eighty-four (84) months thereafter, during which time all the disbursements will be made. The availability period for this concessional loan therefore lapsed on 28 November 2019.

3.4.7 Clause 3.3 of the Concessional Loan agreement states that any portion of the facility undrawn at the end of the availability period shall be automatically cancelled. The Clause further states that the availability period may be extended provided that an application for such extension is submitted by the borrower to the Lender Thirty (30) days prior to the end of the availability period and the application must be approved by the Lender.

3.4.8 The Audit Team noted that the availability period for the Concessional Loan lapsed before the State Department of ICT and Innovation could draw down funds for payment of balance of NOFBI Phase II maintenance service for 2018- Quarter 4 amounting to USD82,674 and maintenance service for 2019 Quarters 1 to 4 amounting to USD2,522,878 both totaling to USD2,605,553 (Kshs.269,755,959).

3.4.9 No documentary evidence was provided to confirm whether a request for an extension of the availability period was done or the facility was cancelled as stipulated in clause 3.3 of the Concessional Loan Agreement.

3.4.10 However, the Audit Team confirmed payment of the USD2,605,553 (Kshs.269,755,959) on 22 June,2021 to Huawei Technologies Co. Ltd. by the

State Department for ICT and Innovation Ltd from the Development Vote Account.

3.4.11 Further, Clause 2.7 of the Concessional Loan Agreement, states that the borrower shall pay semi-annually to the lender a commitment fee of 0.75% p.a on the undrawn and un-cancelled balance of the facility. However, no evidence was provided to confirm whether The National Treasury paid the commitment fee of USD20,161.70 (Kshs.2,059,921) to the EXIM Bank of China. Failure to pay the required commitment fee is a breach of the contract which may lead to future legal consequences.

3.5 Implementation, Operation and Management of the NOFBI Project

Overview of the Implementation of NOFBI Project

3.5.1 The NOFBI Project was implemented in the forty- seven (47) Counties across the Country as shown in the table below.

Table 19: Implementation of the NOFBI Project

Project Phase/ Contractor	Implementation Period	Optic Fibre Coverage in Km.	Geographical Scope
NOFBI Phase I (ZTE Corporation Ltd, Huawei Technologies Co. Ltd.& Sagem Communications.)	2007 -2009	4,300	-Connectivity to Eight (8) former Provincial Headquarters and fifty- three (53) towns.
NOFBI Phase II (Huawei Technologies Co. Ltd.)	2012 -2017	2,100	-Last Mile Connectivity to the forty-six (46) County Headquarters involving laying of sub- backbone and sub- metro in the 46 Counties. -Installation of IP equipment -Creation of Network Redundancy for NOFBI Phase I Links.

NOFBI Phase IIE (Huawei Technologies Co. Ltd.)	2016-2020	2,500	-Installation of active and passive equipment in 518 Sites in Sub- Counties. -Connection of End Users via Wireless Local Area Network
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Absence of Policy/ Framework for Implementing the NOFBI Project

- 3.5.2 The Audit Team noted that the NOFBI Project has been implemented in various National Government Ministries, Departments and Agencies in the forty- seven (47) Counties. However, there is no Policy or Framework for Implementing the NOFBI Project clearly outlining the roles to be played by these different entities.

Absence of an Asset Register for Equipment Installed Under the NOFBI Project

- 3.5.3 The ICT Authority did not provide an asset register for NOFBI equipment acquired and installed under NOFBI Phase I, NOFBI Phase II and NOFBI Phase IIE detailing date of acquisition/ installation, quantity installed, serial numbers and the cost contrary to Regulation 139 (1)(b) of Public Finance Management (National Government) Regulations, 2015 which states that the Accounting Officer of a National Government entity shall take full responsibility and ensure that proper control systems exist for assets and that movement and conditions of assets can be tracked.
- 3.5.4 In the absence of an asset register, it was difficult to ascertain the value and location of the ICT assets of NOFBI Project.

Implementation of NOFBI Phase I

- 3.5.5 NOFBI Phase I involved laying of the Optic Fibre covering a total of 4,300 Kilometres., connecting the former Eight (8) Provincial Headquarters and connected fifty- three (53) towns.

- 3.5.6 The Audit Team established that Telkom (K) Ltd. supervised installation of NOFBI Phase I Project.
- 3.5.7 Certificates for both Provisional and Final Operational Acceptance Tests for NOFBI Phase I were not provided and it was not possible to ascertain when NOFBI Phase I was completed. Further, the list of equipment installed in NOFBI Phase I was not provided for audit review and it was not possible to ascertain total quantity and cost of equipment delivered and installed in Phase I of the Project.
- 3.5.8 The Audit Team reviewed the NOFBI Phase I Backbone Fibre Optical Transmission Network Maps provided by both the ICT Authority and Telkom (K) Ltd. and noted that the NOFBI Phase I Backbone excluded sections between Mombasa and Nairobi via Mazaras, Voi, Mtito Andei, Sultan Hamud and Athi River and sections between Nairobi, Kisumu and Malaba via Longonot, Naivasha, Gilgil, Nakuru, Mau Summit, Londiani, Muhoroni, Eldoret, Webuye and Bungoma which had an existing Telkom (K) Ltd. backbone.

Implementation of NOFBI Phase II

- 3.5.9 NOFBI Phase II involved laying of sub-backbone and sub-metro measuring 2,100 Kilometres in forty- six (46) Counties excluding Nairobi, installation of transmission equipment in seventy-three (73) sites and IP equipment and structured cabling (LAN) at selected National Government Ministries, Departments and Agencies, County Governments (Governors') offices and County Hospitals. The County Commissioners' offices serve as the main Project sites at the Counties.
- 3.5.10 The NOFBI Phase II was implemented as per the High Level Designs (general architecture/ design) that were approved by representatives of State Department for ICT, Innovation, and ICT Authority.
- 3.5.11 The Final Operational Acceptance Test for NOFBI Phase II was completed on 23 December 2017 and the Final Certificate of Operational Acceptance signed on

27 December 2017 by representatives from the State Department for ICT and Innovation, ICT Authority and the Contractor.

- 3.5.12 The schedule of two hundred and sixty-five (265) implementation sites under NOFBI Phase II provided for audit verification is detailed in **Appendix III**. However, the schedule did not contain the quantities and cost of equipment installed in each site and it was not possible to ascertain the both the quantity and cost of equipment installed in Phase II of the Project.

Implementation of NOFBI Phase II Extension (IIE)

- 3.5.13 NOFBI Phase IIE involved laying of Optic Fibre measuring a total of 2,500 Kilometres from the Counties to the Sub-Counties and was terminated at the Deputy County Commissioners' offices that also serve as the main Sub-County Project sites. It was further extended to a total of five hundred and eighteen (518) sites in the National Government Ministries, Departments and Agencies and selected Sub County hospitals. The Contractor installed active equipment (WiFi access equipment, switches, routers, power devices) and passive equipment (ODF Cabinets and Units) in these sites.
- 3.5.14 The NOFBI Phase IIE Project was implemented as per the High Level Designs (general architecture/ design) and Low Level (component/ user based specifications/ design) that were approved by representatives of State Department for ICT and Innovation and ICT Authority.
- 3.5.15 Final Certificates of Operational Acceptance for NOFBI Phase IIE were signed by representatives of State Department for ICT and Innovation, ICT Authority and the Contractor on various dates as detailed in the table below.

Table 20: NOFBI Phase IIE Final Certificates of Operational Acceptance

No.	Scope of works	Final Certificate of Operational Acceptance Date
1	1185.14 Kms. out of 2500 Kms.	20 -May-2020
2	1150.146 Kms. out of 2500 Kms.	14-Aug-2020

3	164.72 Kms. Outside Plant	08-Dec-2020
4	219 out of 290 Equipment Sites	14-Aug-2020
5	71 out of 290 Equipment Sites	08-Dec-2020
6	290 ODF Sites	07-Nov-2020

3.5.16 A list of five hundred and eighteen (518) Equipment and ODF sites under NOFBI Phase IIE Project provided for audit verification is analyzed in **Appendix IV**. However, the list did not contain details of the equipment installed in each site and the cost. Consequently, it was not possible to ascertain the quantities and cost of equipment installed in Phase IIE of the Project.

3.5.17 Further, the Final Certificate of Operational Acceptance dated 7 November, 2020, indicated that a total of two hundred and ninety (290) ODF sites had passed the final acceptance test. However, the Audit Team noted that only two hundred and fifteen (215) ODF Units and ODF Cabinets were installed leaving a balance of seventy-five (75) ODF Units and ODF Cabinets at a total cost of USD136,486 (Kshs.13,991,180) that were still in the custody of the Contractor and thus not in use.

Operation and Management of NOFBI Phase I Infrastructure

3.5.18 On 7 September 2010, the Government of Kenya represented by the PS, Ministry of Information and Communication signed an Operations and Maintenance (O&M) Agreement with Telkom (K) Ltd. The effective date was 11 February 2010 and the Agreement was to remain in force for a minimum duration of Two (2) years.

3.5.19 The scope of works in the Operations and Maintenance Agreement included; Service Management Centre, housing, a centralized and real-time network monitoring system and Network Operations Centre; Fully equipped Optic Fibre Cable (OFC) field intervention teams located all over the Country to ensure shortest mean resolution times on repairs; Spare management; Operation and

Maintenance of all active devices of all equipment supplied by vendors of NOFBI Phase I and OFC maintenance.

- 3.5.20 The Audit Team established that transmission equipment for NOFBI Phase I and NOFBI Phase II are collocated at thirty-one (31) Telkom (K) Ltd. offices namely: Bomet, Bura Tana, Eldoret, Embu, Garsen, Hola, Isiolo, Kakamega, Kericho, Kisumu, Longonot, Malindi, Mbuvu, Meru, Mombasa, Mtito Andei, Mwingi, Nairobi, Nakuru, Nanyuki, Narok, Nyahururu, Sultan Hamud, Thika, Voi, Marsabit, Turbi, Eldera Station, Habaswen Station, Milhoi Station and Wajir Exchange. Further, the NOFBI Optic Fibre Cable occupies Telkom (K) Ltd. ducts across the country measuring a total of 44,852 Metres.
- 3.5.21 The total monthly Operation and Maintenance fees was Kshs. 20,261,964 payable to Telkom (K) Ltd. which the Company confirmed was paid for the two-year Operations and Maintenance Contract period. However, the O&M Agreement was backdated to 11 February 2010 resulting to Kshs. 141,833,748 irregularly paid to Telkom (K) Ltd. without an Agreement for seven (7) months from February 2010 to August 2010.
- 3.5.22 The Audit Team noted that the Ministry of Information and Communication changed the model of the Contract from Operation and Maintenance to a Management Agreement in June 2011 where the NOFBI Phase I Network was commercialized, bringing on board other telecommunication companies.
- 3.5.23 In 2013, the then PS, Ministry of Information and Communication signed a Management of National Optic Fibre Backbone Agreement with Telkom (K) Ltd. whose effective date was 01 June 2011. This resulted to seven (7) months overlap with the O& M agreement. However, Telkom (K) Ltd. was paid the monthly O & M fee of Kshs.20,261,964 during the seven months period but did not claim any maintenance charges. The Agreement was to remain in force for a minimum of five (5) years and renewable for another five (5) years.
- 3.5.24 According to Section 2 of the Management of NOFBI Phase I Agreement, Telkom (K) Ltd. had the exclusive rights to provide management services including:

- The full technical operation and maintenance of Dark Fibre and telecommunication services including cable relocation, replacement and repair.
- NOFBI Dark Fibre services including but not limited to commercialization of the same to any Customer.
- Telecom services including but not limited to commercialization of the same to any Customer.

3.5.25 Section 6 (a) of the Management of NOFBI Agreement on payment terms and conditions provided that Telkom (K) Ltd. and the Government of Kenya were to share the net profits received from Telkom (K) Ltd. from the NOFBI Dark Fibre services only (Fibre Cable without any active Telecom equipment) where each Party was to receive 50% of the net profits.

3.5.26 Telkom (K) Ltd. leased out the Dark Fibre to telecommunication companies, who were charged according to rates outlined in the Operations and Maintenance Agreement dated 11 February, 2010 under Operations and Maintenance Fees schedule of costs. However, no fees were levied on NOFBI Phase I infrastructure and services that were provided to various government entities.

3.5.27 Telkom (K) Ltd. Management explained that the monthly collection from the leased Dark Fibre could not cover the cost of maintenance and had to utilize own resources to maintain the NOFBI Phase I infrastructure.

3.5.28 As at 31 December 2021, a cumulative total of 26,432 Kilometres of Dark Fibre was leased out to various entities as detailed in the table below:

Table 21: Users of NOFBI as at 31 December 2021

No	User	Cumulative Distance of Pair (Kms.) 2021
1	GOK- NOFBI Phase I Links	4,296
2	GOK- NOFBI Phase II Links	4,623
3	GOK- NOFBI Phase IIE Links	1,989
4	Telekom Links	5,827
5	Safaricom PLC	5,435
6	Jamii Telecommunications	738
7	KENET Links	1,151

8	Ministry of Defense	1,705
9	Other GOK Agencies Links	302
10	Wananchi Links	92
11	Telkom/Airtel Links	66
12	Telkom/ Kaysalt customer	104
13	Telkom/ Sanmarco	104
	Total	26,432

3.5.29 Review of NOFBI Phase I revenue and expenditure records obtained from Telkom (K) Ltd. revealed that the total amount of revenue from the leased out Dark Fibre from June 2011 to December 2021 was Kshs.2,334,000,000 while the total cumulative costs incurred in maintaining the NOFBI Phase I infrastructure during the same period was Kshs.2,909,000,000. As a result, Telkom (K) Ltd. incurred a cumulative net loss of Kshs.575,000,000, which had not been reimbursed by the end of the audit as analyzed in the table below.

Table 22: Analysis of Telkom (K) Ltd. Revenue and Expenditure on NOFBI Phase I Infrastructure

Description of Services	June 2011 to May 2016 (Kshs Million)	June 2016 to September 2017 (Kshs Million)	October 2017 to December 2021 (Kshs Million)	Cumulative Loss as at December 2021 (Kshs Million)
Revenue on NOFBI Phase I	751	261	1,322	2,334
Set up costs	(280)			(280)
Costs: Annual O&M	(1,033)	(324)	(1,033)	(2,391)
Credit Notes	(46)			(46)
Rehabilitation & Relocation services	(126)	(24)	(42)	(192)
Net Gross Margin	(735)	(87)	247	(575)

3.5.30 The Management of NOFBI Phase I Infrastructure Agreement was not renewed or extended upon its expiry on 01 June 2016. However, Telkom (K) Ltd. continued

operating and maintaining the network and supporting all users of NOFBI Phase I for five and half years up to December 2021 without a Contract.

3.5.31 On 7 May 2019, the CEO of ICT Authority vide letter Ref. No. ICTA/PS/18/77 wrote to the CEO of Telkom (K) Ltd. requesting for the official handover of NOFBI Phase I Network back to the Authority. However, as at the time of Audit in February, 2022 the handing over/ taking over process had not been concluded making it difficult for the Audit Team to establish the current status of the NOFBI Phase I Infrastructure.

3.5.32 Documents provided for audit revealed that the ICT Authority procured four Contractors on 1 January 2022 through tender No. ICTA/OT/02/2020- 2021 for Provision of Maintenance Services for the National Optic Fibre Backbone Phase I Infrastructure as detailed in the table below.

Table 23: Contracts Awarded for Maintenance of NOFBI Phase I Infrastructure

Bidder	Amount Awarded in Kshs.	LOT No.	Regions
Soliton Telmec Ltd.	47,971,048	1	North Eastern covering a total of 1176 Kilometres.
Adrian Kenya Ltd.	51,928,313	2	Eastern covering a total of 895 Kilometres.
Prime Telecoms Ltd.	64,961,406	3	Western, Rift Valley and Nyanza covering 934.2 Kilometres.
Quavatel Ltd.	82,079,725	4	Coast and Central covering 952.6 Kilometres.

3.5.33 Out of the 4,300 Kilometres of Optic Fibre, the four contractors were awarded a total of 3,958 Kilometres leaving unexplained variance of 342 Kilometres. The Maintenance Service Contracts were for a period of one-year effective 1 January 2022 and ending on 31 December 2022.

3.5.34 Analysis of the four Maintenance Service Contracts revealed the following price variations.

Table 24: Variation in Cost/Kilometres of NOFBI Phase I Infrastructure Maintenance

Bidder NOFBI I	Regions	Amount Awarded	Distance (Kilometres)	Cost/Kilometres
		Kshs		Kshs
Soliton Telmec Ltd.	North Eastern	47,971,048	1176	40,792
Adrian Kenya Ltd.	Eastern	51,928,313	895	58,020
Prime Telecoms Ltd.	Western, Rift Valley and Nyanza	64,961,406	934	69,537
Quavatel Ltd.	Coast and Central	82,079,725	953	86,164

3.5.35 Consequently, the Audit Team could not establish why there were variations in cost/Kilometres of maintenance cost for NOFBI Phase I infrastructure awarded to different bidders.

Operation and Management of NOFBI Phase II Infrastructure

Procurement of Contractors for Operation and Maintenance of NOFBI Phase II Infrastructure

3.5.36 Upon completion of NOFBI Phase II, the Contractor, Huawei Technologies (K) Ltd. was to provide maintenance, technical assistance and operational support for the Project for Three (3) years. It was noted that Huawei Technologies (K) Ltd. provided operation and maintenance service from December 2017 to December 2020 at a cost of USD7,816,659 (Kshs.798,628,050) and issued an Annual Certificate of Acceptance for maintenance support service for each of the Three (3) years.

3.5.37 On expiry of the three (3) years maintenance period, the PS for State Department for ICT and Innovation and Huawei Technologies (K) Ltd. signed a Maintenance Service Contract on 6 January 2021 at a cost of Kshs.30,354,280 per month

inclusive of VAT. The maintenance service included software and hardware support and routine maintenance and was renewable monthly for up to a maximum period of Two (2) months.

3.5.38 The Maintenance Service Contract was extended twice, vide letter reference MICT/A/10/3 VOL.1 dated 3 February 2021 and vide letter reference MICT/A/10/3 VOL.1 dated 3 March 2021 and expired in April 2021. Both extensions were at the same cost of Kshs. 30,354,280 inclusive of VAT.

3.5.39 Following the expiry of the Maintenance Service Contract between State Department for ICT and Innovation and Huawei Technologies (K) Ltd., the State Department for ICT and Innovation contracted Whitespace Technologies Ltd and COM Twenty-One Ltd to carry out maintenance of NOFBI Phase II infrastructure.

3.5.40 A Professional Opinion recommending COM Twenty-One Ltd for the provision of operation and maintenance of the NOFBI Phase II active and passive equipment in Western Region was issued by the Head of Procurement on 13 October 2021.

3.5.41 On 29 October 2021, the PS for State Department for ICT and Innovation signed a Contract Agreement with COM Twenty- One Ltd. for a sum of Kshs. 50,335,000 valid for three (3) months for operation and maintenance of 1,600 Kilometres of the NOFBI Phase II active and passive equipment for the Western Region broken down as follows.

Table 25: Analysis of Maintenance Service Contract for COM Twenty-One Limited

Description	Qty/ duration	Total price in Kshs.
Provision of Operation and Maintenance of National Optic Fibre Backbone Infrastructure Phase II (NOFBI II) Active Equipment	Various items	22,075,742
Provision of Operation and Maintenance of National Optic Fibre Backbone Infrastructure Phase II (NOFBI II) OSP and Passive Equipment	3 months	28,259,259
Total		50,335,000

- 3.5.42 It was noted that the Maintenance Service Contract signed between State Department for ICT and Innovation and COM Twenty-One Ltd. did not specify the geographical coverage and Projects sites covered within the Western Region.
- 3.5.43 No documentary evidence was provided to confirm whether the NOFBI Phase II active and passive equipment for the Western Region were maintained for a period of six (6) months from May 2021 when the Maintenance Service Contract signed with M/s. Huawei Technologies (K) Ltd. expired to October 2021 when the new contract was signed with COM Twenty-One Ltd.
- 3.5.44 Further, the State Department for ICT and Innovation contracted Whitespace Technologies Ltd for operation and maintenance of the NOFBI Phase II Optic Fibre measuring 579.90 Kilometres, active and passive equipment for the Eastern Region at a sum of Kshs.49,388,160 valid for One (1) year.
- 3.5.45 The Audit Team noted that the total distance awarded to the COM Twenty- One Ltd and Whitespace Technologies Ltd. for NOFBI Phase II operation and maintenance was approximately 2,180 Kilometres at total cost of Kshs.99,723,160. However, documents provided for audit revealed that NOFBI Phase II covered 2,100 Kilometres resulting to an unexplained excess award of approximately 80 Kilometres estimated at Kshs.3,659,566.
- 3.5.46 The Contract between the State Department for ICT and Innovation and Whitespace Technologies Ltd. was signed on 12 April 2021 at a Contract sum of Kshs.49,388,160 valid for one (1) year for operation and maintenance of the NOFBI Phase II active and passive equipment for Eastern Region. However, the Contract did not specify the geographical coverage and Projects sites covered within the Eastern Region.
- 3.5.47 An analysis of the three Maintenance Service Contracts revealed that the State Department for ICT and Innovation incurred a cost of Kshs.190,786,000 towards maintenance of NOFBI Phase II for a period of one (1) year, three months from January 2021 to March 2022 as detailed in the table below.

Table 26: Analysis of NOFBI Phase II Maintenance Service Contracts

Company	Period of Contract	No. of Months	Amount in Kshs.
Huawei Technologies (K) Ltd.	January 2021	1	30,354,280
Huawei Technologies (K) Ltd.	February 2021	1	30,354,280
Huawei Technologies (K) Ltd.	March 2021	1	30,354,280
COM Twenty-One Ltd.	October 2021- January 2022	3	50,335,000
Whitespace Technologies Ltd.	April 2021- March 2022	12	49,388,160
Total			190,786,000

3.5.48 However, the Commercial Contract Agreements contained a training component on site and technical knowledge during implementation and maintenance totaling USD1,935,003 (Kshs.169,187,145) comprising of NOFBI Phase I- USD911,804 (Kshs.64,646,904) and NOFBI Phase II- USD1,023,199 (Kshs.104,540,242). No explanation was given as to why the ICT Authority and the State Department for ICT and Innovation has not build its own internal capacity to maintain the NOFBI Project's infrastructure instead of outsourcing the maintenance services.

Operation and Management of NOFBI Phase II and NOFBI Phase IIE Infrastructure (Commercialization) by the ICT Authority

3.5.49 After the lapse of the Management Agreement between the Ministry of Information and Communication and Telkom (K) Ltd. and commencement of the handing over/ taking over process for NOFBI Phase I Infrastructure by the ICT Authority vide their letter Ref. No. ICTA/PS/18/77 dated 7 May 2019, the ICT Authority commercialized the NOFBI Phase II and NOFBI Phase IIE infrastructure to enable it to repay the Concessional loan from the EXIM Bank of China through an Escrow Account from March 2020 to March 2032.

3.5.50 On 27 February, 2020, the ICT Authority approved the National Optic Fibre Backbone Infrastructure Price Book as detailing the following four main services to be offered under the NOFBI Network.

Table 27: Summary of NOFBI Dark Fibre Prices

1. NOFBI Dark Fibre Prices			
NOFBI Phase I	USD 11 Per Core Per Km Per Month across the entire NOFBI I Network		
NOFBI Phase II and Phase IIE	USD 20 Per Core Per Km Per Month		
NOFBI Phase II and Phase IIE	Cumulative Kilometres leased by Configuration	Point to Point Rates In USD	
	1-500	20	
	500-1000	19	
	>1000	18	
2. NOFBI Collocation of clients' active equipment within close proximity to NOFBI Dark Fibre Network			
	Description	Access Fee (USD)	Annual Fee (USD)
NOFBI	19" Cabinet	2,500	500
	15 M	4,000	600
3. NOFBI Approved Cross Border Services			
	Description	Price (USD)	
	Access Charge	10,000	
	Annual Fee Per Core	10,000	
4. Prices for NOFBI Lit Capacity			
	Client	Price (USD/MB/Month)	
	Private Institution	10	
	Government Institution	5	

3.5.51 On 11 September 2020, the Communications Authority of Kenya granted the ICT Authority a license named "Network Facilities Provider Tier 2 Licence No. TL/NFP/T2/00045" for construction, installation and operation of electronic communications systems in Kenya for a period of fifteen (15) years.

3.5.52 Subsequently, the ICT Authority signed Master Lease Agreements and Service Level Agreements with Safaricom PLC, Jamii Telkom Limited, Telkom (K) Ltd. and KENET setting out the contractual terms of engagement for leasing of NOFBI Infrastructure as summarized in the table below;

Table 28: Summary of Leased out Optic Fibre

Client	NOFBI Phase	Total Fibre Distance in Kilometres
Safaricom PLC	NOFBI Phase II	3,253
Telkom Kenya Limited	NOFBI Phase II	1,831
	NOFBI Phase IIE	461
Jamii Telkom Limited	NOFBI Phase II	119
KENET	NOFBI Phase II	1,066
Total		6,730

Escrow Account Agreement for NOFBI Phase II and NOFBI Phase IIE Projects

3.5.53 On 18 September 2017, the EXIM Bank of China, the National Treasury, the Ministry of Information, Communication and Technology, Innovation and Youth Affairs, ICT Authority and Kenya Commercial Bank (KCB) Ltd. entered into an Escrow Account Agreement for NOFBI Phase II and NOFBI Phase IIE Projects. Under the Agreement, ICT Authority was to open and maintain a Debt Service Reserve Account denominated in United States Dollars (USD) and a Revenue Account with KCB Ltd. for as long as all in-debtness, all obligations or liabilities of any kind which may be due, owing or incurred by the borrower (The National Treasury) to the Lender (EXIM Bank of China) under the Loan Agreement remained outstanding.

The Debt Service Reserve Account

3.5.54 The ICT Authority was to maintain a minimum balance of ¥22,200,000 from 18 September 2017, which is the date when the Agreement became effective and ending on 20 March 2020. Thereafter, the minimum balance was to increase to ¥57,600,000 from 21 March 2020 and ending on the date immediately preceding

the first repayment date under NOFBI Phase IIE. Both the Concessional Loan and Escrow Account Agreements did not specify the first repayment date.

3.5.55 The Escrow Account Agreement further states that a minimum of ¥107,600,000 is to be held during the period commencing of first repayment date under NOFBI Phase IIE Project Loan Agreement and ending on 28 November, 2032, which was the last repayment date and thereafter a minimum amount of ¥63,000,000 shall be held for so long as any obligations under NOFBI Phase IIE Project Loan Agreement remain outstanding.

3.5.56 The Ministry of Information, Communication and Technology, Innovation and Youth Affairs through the ICT Authority deposited Kshs.900,000,000 into the Debt Service Reserve Account held at KCB Ltd. as shown in the table below:

Table 29: Deposits by MOICT into the Debt Service Reserve Account

Date	PV No.	Description	Amount in Kshs.	Equivalent Amount in USD
26 August 2020	199	Release to Escrow Account	530,000,000	4,835,766
22 May 2018	1301	Release to Escrow Account	20,000,000	193,705
28 March 2018	900	Release to Escrow Account	350,000,000	3,384,913
Total			900,000,000	8,414,384

3.5.57 A review of the bank statement for the Debt Service Reserve Account revealed that as at 31 October 2021, the account had a balance of USD9,743,865 (Kshs.1,042,200,998) which is equivalent to ¥62,547,818 at an exchange rate of 100USD=641.92¥ indicating that ICT Authority maintained the required minimum balance.

3.5.58 The USD9,743,865 (equivalent to Kshs. 1,042,200,998) at the actual average rate of 106.9597 at time of deposit)) comprises of deposits made by ICT Authority- USD8,414,384 (Kshs.900,000,000) and additional USD1,329,482 (Kshs.142,200,998) being monies received from Telecommunication Companies that have leased the NOFBI Phase II and Phase IIE infrastructure namely;

Huawei Technologies Ltd. - USD220,000 (Kshs.23,531,200), Safaricom Ltd. - USD960,454 (Kshs.102,730,160) Interest earned on bank balances- USD175,362 (Kshs.18,756,719.52), less monies paid for tax on interest earned- USD25,914 (Kshs.2,771,754) and bank charges- USD420 (Kshs.44,923).

3.5.59 As at the time of the Audit in February, 2022 repayment of the loan due to EXIM Bank of China out of Debt Service Reserve Account had not commenced.

Revenue Account

3.5.60 The Revenue Account was to be denominated in Kenya shillings. However, the Agreement states that if ICT Authority receives revenue in a currency other than Kenya shillings, it should establish a new account denominated in such other currency for purpose of depositing all revenue received in such currency.

3.5.61 Further, Clause 5.2.2.1 states that all revenue generated from the NOFBI Phase II and NOFBI Phase IIE Project shall be paid into the Revenue Account. The Audit Team noted that ICT Authority opened a Kenya Shillings Revenue Account at KCB Ltd.

3.5.62 As at 31 December 2021, the ICT Authority raised invoices totaling Kshs.686,154,176 for the leased out Dark Fibre. The total amount received as at the time of audit in February, 2022 was Kshs.351,035,443 leaving a receivable amount of Kshs.335,118,733 broken down as follows.

Table 30: Revenue invoiced and received from Telecommunication Companies

Client	Amount Invoiced (Kshs.)	Amount Received (Kshs.)	Balance (Kshs.)
Safaricom PLC	468,058,689	294,106,708	173,951,981
Huawei Technologies Co. (K) Ltd.	23,963,830	23,963,830	-
Telkom (K) Ltd.	161,166,752	-	161,166,752
Jamii Telecommunications Ltd.	9,507,286	9,507,286	-
KENET	23,457,619	23,457,619	-
Total	686,154,176	351,035,443	335,118,733

3.5.63 It was explained that the outstanding Kshs.161,166,752 due from Telkom (K) Ltd. will be consolidated with any other claims including the Kshs.575,000,000 claim by Telkom for operations and management of NOFBI Phase I Infrastructure and dealt with during handing over/ taking over process between the ICT Authority and Telkom (K) Ltd.

3.6 Physical Verification

3.6.1 The audit sampled and visited twenty - two (22) Counties to confirm both the existence and implementation status of NOFBI Project namely in; Busia, Kakamega, Kisumu, Kericho, Kisii, Uasin Gishu, Bomet, Nyeri, Laikipia, Isiolo, Meru, Embu, Kirinyaga, Nakuru, Murang'a, Kwale, Mombasa, Kilifi, Taita Taveta, Makueni, Kitui and Kajadio.

3.6.2 The NOFBI Project was implemented in Telkom (K) Ltd. offices, National Government Entities (Ministries, Departments and Agencies), and County Government (Governors) offices, County and Sub-County Hospitals. The audit findings were as follows.

- In NOFBI Phase I, the Optic Fibre was terminated at nineteen (19) Telkom (K) Ltd. offices/ sites, where the Contractors also installed transmission equipment. The transmission equipment was functional in all the sites except Busia, Kakamega, Kericho and Uasin Gishu where the equipment was not functional as detailed in **Appendix V**.
- The Audit Team visited a total of ninety -two (92) Project sites for NOFBI Phase II and confirmed that Huawei Technologies (K) Ltd. installed transmission equipment, IP equipment and did structural cabling (LAN) and were in use as at the time of audit as detailed in **Appendix VI**. However, two Uninterruptible Power Supply (UPS) devices, one at the Ministry of Lands office in Kisii and one at the Probation office in Kajiado were faulty but did not affect overall functionality of the installed equipment.

- In NOFBI Phase IIE, the Audit Team visited a total of two hundred and seventy-nine (279) Project sites where the Contractor installed active equipment and passive equipment (ODF Cabinets and ODF Units) as analyzed in **Appendix VII**.
- Out of the two hundred and seventy-nine (279) sites, a total of one hundred and sixty-eight (168) sites where active equipment was installed had been connected by ICT Authority to internet and were in use.
- Ten (10) Project sites where Optic Fibre was terminated and active equipment installed namely Kisumu Airport, Mwingi East (Mathuki) Hospital, Malindi Airport, Mombasa Airport, Makueni County Assembly, Makueni KMTTC, Isinya DCC, Rachier Primary School in Kisumu County, Mukaa DCC (Education) and Kilungu DCC were not in use.
- At the Kilungu DCC, Mukaa DCC (Education), Isinya DCC, Mwingi East (Mathuki) Hospital and Rachier Primary School in Kisumu County the electricity supply had been disconnected. Further, Makueni County Assembly and Makueni KMTTC had contracted alternative Internet Service Providers.
- The Contractor also installed passive equipment (ODF Cabinets and ODF Units) in a total of ninety-eight (98) sites. The sites require installation of active equipment like switches to enable connection to internet. As at the time of the Audit in February, 2022, the sites did not have the required active NOFBI equipment and were therefore not connected by ICT Authority to internet.
- However, five (5) sites out of the ninety-eight (98) sites namely Kitui County Assembly, Voi Sub County KMTTC, Kericho Huduma Centre, Kwale Governor's office and Nyamache KMTTC had contracted alternative Internet Service Providers.
- The Optic Fibre in three sites comprising of two in Uasin Gishu at the Ministry of Lands and Huduma Offices and one in Othaya at Civil Registration Department terminated at nearby manholes (ducts) instead of the respective offices.

B. IP BASED HIPATH 4000 NETWORK PROJECT

3.7 Conceptualization of the IP based HiPath 4000 Network Project

Absence of Conceptualization/ Feasibility Study Reports

- 3.7.1 The IP based HiPath 4000 Network was initiated in 2010 and has been implemented in three (3) Phases and covered The National Treasury, Telephone House and Nyayo House in Nairobi and selected National Government Ministries, Departments, Agencies and County Governments (Governors) offices, County and Sub-County Hospitals in the forty-six (46) Counties.
- 3.7.2 The conceptualization/ feasibility study and Environmental Impact Assessment reports for the Project were not provided for audit review.
- 3.7.3 Similarly, the State Department for ICT and Innovation Management did not provide documentary evidence on how the IP based HiPath 4000 Network Project implementation sites under each Project Phase were identified.

3.8 Budgetary Allocation and Total Amount Disbursed for the IP based HiPath 4000 Network Project

- 3.8.1 The Audit Team established that IP based HiPath 4000 Network Project is financed by both the Government of Kenya and the Government of Belgium through KBC Bank NV of Belgium. A review of the approved annual budgets and budgetary schedules provided by the State Department for ICT and Innovation and ICT Authority is as summarized in the table below.

Table 31: Approved Annual budgets for IP based HiPath 4000 Network Project

Financial Year/ Project	Project Phase	State Department for ICT and Innovation			ICT Authority
		GOK Component	Donor Component	Total Approved Budget in Kshs	Approved Budget in Kshs.
2011- 2014/2015	Phase I	-	-	-	-
2015/2016	Phase II	-	200,000,000	200,000,000	400,000,000
2016/2017	Phase II	102,500,000	35,600,000	138,100,000	50,000,000

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2017/2018	Phase III	38,750,000	1,000,000,000	1,038,750,000	38,750,000
2018/2019	Phase III	115,000,000	750,000,000	865,000,000	115,000,000
2019/2020	Phase III	1,000,000	650,000,000	651,000,000	67,600,000
2020/2021	Phase III	33,894,000	383,000,000	416,894,000	-
Total		291,144,000	3,018,600,000	3,309,744,000	671,350,000

3.8.2 The State Department for ICT and Innovation and the ICT Authority did not provide the Project's approved annual budgets for financial years 2011/2012 to 2014/2015 for both GOK and Donor components. It was therefore not possible to confirm the total budget allocated for the Project.

Donor Funding for the IP based HiPath 4000 Network

3.8.3 The Audit Team noted that the IP based HiPath 4000 Network Project was financed through a concessional loan from KBC Bank NV of Belgium as set out in Sections 49(1) and (2) of the Public Finance Management Act, 2012 and Section 187 (2) of the of the Public Finance Management (National Government) Regulations, 2015 which stipulates that; the Cabinet Secretary (responsible for National Treasury) may, on behalf of the National Government, raise a loan only if the loan and the terms and conditions for the loan are set out in writing, The National Government may from time to time borrow within and outside Kenya such sums of money in such amount and on such terms and conditions as to interest, repayment, disbursement or otherwise as the Cabinet Secretary may think fit.

3.8.4 However, the Audit Team could not establish how the Government of Belgium and KBC Bank NV of Belgium were identified to finance the Project.

3.8.5 The Government of Kenya represented by The National Treasury entered into the following Credit Agreements with KBC Bank NV of Belgium.

Table 32: IP based HiPath 4000 Network Project Credit Agreements

Description	Phase I in Euros (€)	Phase II in Euros (€)	Phase III A in Euros (€)	Phase IIIB in Euros (€)	Total Euros (€)
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Date of the Credit Agreement	01-Apr-11	21-Aug-13	28-Nov-16	28-Nov-16	
Contract Amount	9,642,798	11,998,383	8,116,922	16,865,124	46,623,227
Credit Insurance Premium	647,391	897,306	814,302	407,278	2,766,278
Interest rate p.a	0%	0%	0%	0.90%	
Total Cost of Project	10,290,189	12,895,690	8,931,224	17,272,402	49,389,505
Gift/ Grant rate as a %age of the Contract Price	0.15	0.2	0	0	
Gift/Grant	1,446,420	2,400,000	1,741,589	-	5,588,009
State to State Loan	0	0	0	11,468,284	11,468,284
Funding facility rate as a %age of contract price	85%	80%	0	0	
Funding facility (85%) of contract price	8,196,378	9,598,384	6,375,333	5,396,840	29,566,934
Credit Insurance Premium	647,391	897,306	814,302	407,278	2,766,278
Total Credit Agreement	8,843,769	10,495,690	7,189,635	5,804,118	32,333,212
Total Project Financing (Gift/ Grant + State to State Loan + Credit Agreement)	10,290,189	12,895,690	8,931,224	17,272,402	49,389,505

3.8.6 The Credit Agreements included a component of credit insurance premium amounting to €2,766,279 (Kshs.307,225,189), a gift/ grant of €5,588,009 (Kshs.613,174,181) and a State to State loan of €11,468,284 (Kshs.1,353,257,512).

3.8.7 The State Department for ICT and Innovation and the ICT Authority did not however, account for how a gift/ grant funds of €5,588,009 (Kshs.613,174,181)

was expended. In addition, the terms and conditions for the State to State Loan amounting to €11,468,284 (Kshs.1,353,257,512) were not provided for audit.

3.9 Procurement Process for the IP based HiPath 4000 Network Project

3.9.1 The Audit Team noted that IP based HiPath 4000 Network Project was procured through a Government-to-Government arrangement involving the Government of the Republic of Kenya and the Government of Belgium. A summary of the Commercial Contracts is as detailed in the table below.

Table 33: Commercial Contracts for IP based HiPath 4000 Network Project

Description	Phase I	Phase II	Phase III		Phase III Sub Totals	Overall Totals Euros (€)
	Euros (€)	Euros (€)	Phase III A	Phase III B		
	Euros (€)	Euros (€)	Euros (€)	Euros (€)		
Equipment	6,105,119	6,078,451	-	-	-	12,183,570
Telephone system	-	1,721,963	-	-	-	1,721,963
Tower installation and Civil works	712,190	216,731	-	-	-	928,921
Installation and Commissioning	1,188,993	1,157,332	-	-	-	2,346,325
Documentation	108,154	209,270	-	-	-	317,424
Subscriber Sites	-	-	4,559,494	10,203,424	14,762,918	14,762,918
Telecommunication Equipment Housing	-	-	718,810	1,572,439	2,291,249	2,291,249
Redirection of Equipment from Telkom Sites	-	-	1,535,196	-	1,535,196	1,535,196
Site Surveys & Detailed Engineering	88,333	352,099	211,891	480,285	692,176	1,132,608
Factory Acceptance Expenses	20,376	118,907	118,907	-	118,907	258,190
As- Built Drawings & Documentation	-	-	54,935	124,518	179,453	179,453
Local Project Management	178,691	178,691	59,564	119,127	178,691	536,073
Maintenance for 3 years	874,774	1,135,174	347,919	1,043,757	1,391,676	3,401,624
	-	-	-	-	-	-

Contingency		395,388	510,107	855,044	1,365,151	1,760,539
Network Access Control & Application Analytics	-	-	-	1,706,619	1,706,619	1,706,619
Training	366,168	434,377	-	759,911	759,911	1,560,456
Contract Price	9,642,798	11,998,383	8,116,823	16,865,124	24,981,947	46,623,128

Procurement Process of IP based HiPath 4000 Network Project Phase I

- 3.9.2 The Belgium Government appointed a Consortium between Siemens Enterprise Communications NV and SOULCO Projects NV of Belgium to execute Phase I of the IP based HiPath 4000 Network Project.
- 3.9.3 On 01 December 2010, the Government of the Republic of Kenya represented by the then ICT Secretary signed a Commercial Contract with the Consortium between Siemens Enterprise Communications NV, and SOULCO Projects NV of Belgium represented by the then Sales Director for the supply and installation of an IP based HiPath 4000 Network.
- 3.9.4 On 21 February 2011, the Commercial Contract was amended to include an additional Clause Number 23 on Previous Agreements that stated that the Commercial Contract constituted a final and binding contract between Parties on installation of an IP based HiPath 4000 Network and superseded all previous subject matter signed between Parties.
- 3.9.5 Section 3 of the amended Commercial Contract outlines the scope of work to be performed by the Contractor as performance of a site survey and detailed design, supply, installation and commissioning of the Project.
- 3.9.6 Annexure V of the Commercial Contract provided for site survey that served as source information for detailed design. The detailed design and its report were to be presented to the Office of the President for approval before continuation of the Project. However, no evidence was provided to confirm whether site survey was performed and presented to the Office of the President for approval.
- 3.9.7 The Contract price for Phase I of the IP Based 4000 Network Project was €9,642,798 (Kshs.964,337,657) for both Equipment and Services.

3.9.8 Review of documents revealed that SOULCO Projects NV of Belgium represented by its President and SOULCO (K) Ltd. represented by the Managing Director signed a Subcontracting Agreement on 24 April 2012 for implementing the component on services comprising of factory acceptance, training, tower installation and civil works, installation and commissioning of equipment, site preparation, as- Build drawings (actual Project layout) and documentation and maintenance for three years at a subcontracting cost of €1,638,804 (Kshs.163,890,258).

Procurement Process of IP based HiPath 4000 Network Project Phase II

3.9.9 On 15 April 2013, a Commercial Contract valued at €11,998,383 (Kshs.1,314,902,793) for the supply and installation of IP based HiPath 4000 Network was signed between the Government of the Republic of Kenya represented by the then ICT Secretary and SOULCO Projects NV of Belgium represented by the Sales Director.

3.9.10 The Scope of works to be performed by the Contractor as per section 3 of the Commercial Contract included performance of site survey and detailed design, supply, installation and commissioning of deliverable items, provision of the services and supply of documentation.

3.9.11 Annexure V of the Commercial Contract provided that site survey was to be performed as of effective date of the contract and that it served as source information for detailed design. However, no evidence was provided to confirm whether site survey and detailed design was performed by the Contractor.

3.9.12 On 29 November 2013, an amendment was made to the original Commercial Contract. The amendment stated that all references to e - Government in the Contract shall be amended to refer to ICT Authority and all rights and obligations of e-Government under the terms and conditions of the primary Contract and supplementary agreements shall be assigned to ICT Authority.

3.9.13 On 19 December 2013, SOULCO Projects NV of Belgium represented by its President subcontracted SOULCO Kenya Ltd. represented by the Managing Director to implement a portion of the Project covering services for Phase IIA namely; Site survey, tower installation and Civil works, installation of IP Equipment, site preparation, As- Build drawings (actual Project layout) and documentation and maintenance for 3 years and for Phase IIB covering factory acceptance expenses, training, tower installation and civil works, installation and commissioning of equipment, site preparation, documentation including As- Build drawings and maintenance for 3 years. The total cost of Subcontracting for Phase IIA and Phase IIB was €1,831,853 (Kshs.200,752,800).

Procurement of IP based HiPath 4000 Network Project Phase III

3.9.14 On 19 July 2016, the Government of the Republic of Kenya represented by the then Permanent Secretary for ICT and Innovation and SOULCO Projects NV of Belgium represented by the Executive Director signed a Commercial Contract for €24,982,046 (Kshs.2,947,881,400) for the supply and installation of an IP based HiPath 4000 Network- Phase III.

3.9.15 According to the Bill of Quantities, Phase III was to cover Fifteen (15) Counties' sites while Phase IIIB was to cover a total of thirty- four (34) Counties' sites. However, the Bill of Quantities did not specify the names of the forty- nine (49) County Sites.

3.9.16 On 15 August 2017, SOULCO Projects NV of Belgium represented by the President subcontracted SOULCO Kenya Ltd. represented by the Managing Director to implement the Project's Services Component for Phase IIIA namely site survey, detailed engineering, Factory Acceptance Tests, As- Build Drawings (actual Project layout) and documentation, Second level NOC maintenance on Phase I equipment and Phase IIIB covering site survey, detailed engineering, training, As- Build drawings and documentation, three (3) Workshops, Second

level NOC Maintenance on Phase I – active equipment. The total cost of subcontracting for Phase IIIA and Phase IIIB amounted to €1,545,850 (Kshs.182,410,300).

3.10 Payments Made for IP based HiPath 4000 Network Project

Lack of Payment Vouchers and Records for Phase I, Phase II and Phase IIIA

3.10.1 Payment records provided for audit review revealed that the Donor component of €11,165,528.16 (Kshs.1,323,094,295) for the Project was paid at source. The payment vouchers and documents were prepared and forwarded by the State Department for ICT and Innovation to the National Treasury for processing and onward transmission to KBC Bank NV of Belgium, which then paid the Contractor, SOULCO Projects NV of Belgium.

3.10.2 The total contract price for Phase I, Phase II, Phase IIIA and Phase IIIB of the IP based HiPath 4000 Network Project was €46,623,127 (Kshs.5,227,121,849). Analysis of payment records provided is summarized in the table below.

Table 34: Analysis of Payments for the Commercial Contracts

Phases	Contract sum Euros (€)	Amount accounted for Euros (€)	Amount not accounted for Euros (€)
Phase I	9,642,798	-	9,642,798
Phase II	11,998,383	-	11,998,383
Phase III A and Phase IIIB	24,982,046	11,165,528	13,816,418
Total	46,623,227	11,165,528	35,457,599

3.10.3 The State Department for ICT and Innovation provided payment vouchers and records of payments made to SOULCO Projects NV of Belgium amounting to €11,165,528.16 (Kshs.1,323,094,295) leaving a balance of €35,457,599 (Kshs.3,904,027,554) that was not accounted for contrary to Sections 68(2)(b) and (c) of Public Finance Management Act ,2012 which states that an accounting

officer shall ensure that the entity keeps financial and accounting records and that all financial and accounting records the entity keeps in any form including electronic form are adequately protected and backed up.

Expenditure incurred by the State Department for ICT and Innovation on Operations and Monitoring of IP based HiPath 4000 Network Project

3.10.4 Analysis of payment vouchers and records provided for audit revealed that Kshs.2,475,004,206 was incurred on operations and monitoring of the IP based HiPath Project being Kshs.1,561,801,147 by the State Department for ICT and Innovation and Kshs.913,203,059 by the ICT Authority respectively.

3.10.5 The Kshs.1,561,801,147 expenditure incurred by the State Department for ICT and Innovation is summarized in the table below:

Table 35: Expenditure by State Department for ICT and Innovation on Operations of HiPath 4000 Network Project

Financial Year	Final budget Kshs.	SDICT & I Expenditure Kshs.	Transfers to ICTA Kshs.	Balances Kshs.
2011/2012- 2014/2015	Not provided	Not provided	Not provided	Not provided
2015/2016	200,000,000	Not provided	Not provided	Not provided
2016/2017	138,100,000	50,000,000	50,000,000	-
2017/2018	1,038,750,000	663,585,442	38,750,000	624,835,442
2018/2019	865,000,000	827,997,115	57,500,000	770,497,115
2019/2020	651,000,000	Not provided	Not provided	Not provided
2020/2021	416,894,000	20,218,590	Not Provided	20,218,590
Total	3,309,744,000	1,561,801,147	146,250,000	1,415,551,147

3.10.6 The State Department for ICT and Innovation did not provide payment vouchers and expenditure summaries for the financial years 2011/2012 to 2014/2015 and 2019/2020 for verification. It was therefore, not possible to ascertain the total expenditure incurred by the State Department for ICT and Innovation on the Project.

Expenditure on Operations of HiPath 4000 Network Project by ICT Authority

3.10.7 As noted earlier, the ICT Authority was established in August 2013. A review of the Audited Financial Statements for ICT Authority revealed that the Authority incurred a total of Kshs.913,203,059 on operations for the IP based HiPath Network 4000 Project during the financial years 2014/2015 to 2018/2019 as summarized in the table below.

Table 36: Expenditure on operations of IP based HiPath 4000 Network Project by ICT Authority

Year	Final Budget	Expenditure	Expenditure Accounted for	Unaccounted for Expenditure
	Kshs.	Kshs.	Kshs.	Kshs.
2014/2015	Not Provided	672,335,277	Not provided	672,335,277
2015/2016	400,000,000	55,768,919	Not provided	55,768,919
2016/2017	50,000,000	40,212,386	Not provided	40,212,386
2017/2018	38,750,000	28,950,156	17,057,166	11,892,990
2018/2019	115,000,000	115,936,321	41,048,242	74,888,079
2019/2020	67,600,000	0	0	0
Total	671,350,000	913,203,059	58,105,408	855,097,651

3.10.8 During the financial year 2019/2020, no funds were disbursed by the State Department for ICT and Innovation to the ICT Authority and therefore the Authority did not incur any expenditure on the Project.

- 3.10.9 The variance of Kshs.766,953,059 between the Kshs.146,250,000 disbursed by the State Department for ICT and Innovation to the ICT Authority and expenditure of Kshs.913,203,059 incurred by the ICT Authority was not explained. In addition, ICT Authority had budgeted for Kshs.671,350,000 for the Project. However, only Kshs.146,250,000 was confirmed as received leaving a balance of Kshs.525,100,000 unconfirmed.
- 3.10.10 Out of the expenditure of Kshs.913,203,059, the ICT Authority provided payment vouchers and documents to support Kshs.58,105,408 leaving a balance of Kshs.855,097,651 that was not accounted for.

3.11 Implementation, Operations and Management of the IP based HiPath 4000 Network Project

Absence of Policy/ Framework for Implementing the Project

- 3.11.1 The IP based HiPath 4000 Network Project was implemented in various National Government Ministries, Departments and Agencies and County Governments (Governors) offices, County and Sub-County hospitals.
- 3.11.2 The Audit Team established that there was no Framework for Implementing the IP based HiPath 4000 Network Project outlining the roles to be played by the various National Government Ministries, Departments and Agencies and County Governments in the Project.

Absence of an Asset Register for Project Equipment

- 3.11.3 The State Department for ICT and Innovation did not provide an asset register for IP based HiPath 4000 Network equipment acquired and installed under Phase I, Phase II, Phase IIIA and Phase IIIB detailing date of acquisition/ installation, quantity installed, serial numbers and the cost contrary to Regulation 139, (1 b) of the Public Finance Management (National Government) Regulations, 2015 which states that the Accounting Officer of a National Government entity shall

take full responsibility and ensure that proper control systems exist for assets and that movement and conditions of assets can be tracked.

- 3.11.4 In the absence of an asset register, the actual cost of IP based HiPath 4000 Network equipment acquired and installed could not be ascertained.

Absence of Collocation Agreement with Telkom (K) Ltd.

- 3.11.5 The Audit Team noted that some of the IP based HiPath 4000 Network equipment installed during Phase I and Phase II of the Project is collocated at Telkom (K) Ltd. offices across the Country. However, there was no Collocation Agreement between the State Department for ICT and Telkom (K) Ltd.
- 3.11.6 In the circumstances, the Audit Team could not confirm the security and safety of the IP based HiPath 4000 Network equipment.

Absence of Network Security Controls

- 3.11.7 The Project has been implemented in National Government Ministries Departments and Agencies, Governors' offices, County and Sub County Hospitals who offer essential and critical services. Some of the end users raised concerns regarding integrity and safety of the data/ information. The physical verification exercise conducted in twenty -two (22) Counties revealed that the IP based HiPath 4000 Network equipment installed lacked security appliances like firewall at the entry/ exit of the Network and this exposed critical information to possible data security threats.

Implementation of IP based HiPath 4000 Network Phase I

- 3.11.8 The Audit Team established that the IP based HiPath 4000 Network Project was implemented in Phase I, Phase IIA, Phase IIB, Phase IIIA and Phase IIIB. Schedules of implementation sites provided for audit review did not include the specific equipment installed in each site. Further, a schedule of equipment

installed in each site provided for audit verification did not specify the Phase to which the equipment related to.

- 3.11.9 Phase I of the IP based HiPath 4000 Network Project was implemented in twenty-eight (28) Counties' sites namely; Mombasa, Tana River (Hola), Garissa, Wajir, Mandera, Marsabit, Isiolo, Meru, Embu, Kakamega, Kitui, Nyandarua (Nyahururu), Nyeri, Murang'a, Turkana (Lodwar), West Pokot (Kapenguria), Uasin Gishu (Eldoret), Elgeyo Marakwet (Iten), Baringo (Kabarnet), Nakuru, Narok, Kericho, Busia, Kisumu, Kisii, Nairobi, Embu and Kilifi (Malindi). A schedule of implementation sites for Phase I provided for audit verification is detailed in **Appendix VIII**.
- 3.11.10 The BQs contained in the Commercial Contract did not specify the implementation sites and equipment for each site. Further, the schedule of implementation sites provided for audit review did not contain the equipment installed in each site. It was therefore not possible to ascertain actual quantities and cost of equipment delivered and installed under Phase I of the Project.
- 3.11.11 Documents obtained from SOULCO (K) Ltd. revealed that commissioning of implementation sites was conducted between 07 June 2013 and 08 August 2013.
- 3.11.12 On 20 September 2013, a Provisional Acceptance Certificate for the Scope of Work performed for supply and installation of IP based HiPath 4000 Network under Phase I was issued. However, the Provisional Acceptance certificate did not specify the equipment and actual work done in each site.

Implementation of IP based HiPath 4000 Network Project Phase II

- 3.11.13 Documents obtained from SOULCO (K) Ltd. revealed that Phase II was implemented in the forty- six (46) Counties except Nairobi County. The Project covered a total of forty- eight (48) Counties' sites comprising of twenty- seven (27) Counties' sites in Phase IIA and twenty-one (21) Counties' sites in Phase IIB respectively as detailed in **Appendix IX**. Kilifi and Nyanduarua Counties were covered in both Phase IIA and Phase IIB of the Project.

- 3.11.14 The BQs included in the Commercial Contract did not specify the implementation sites and equipment for each site. A schedule of equipment delivered and installed in each site under Phase II was not provided for audit review. It was therefore not possible to ascertain actual quantities and cost of equipment delivered and installed under Phase II of the Project.
- 3.11.15 Testing and commissioning of Phase IIA sites was conducted between 14 May 2015 and 25 March 2017 whereas testing and commissioning of Phase IIB was carried out between 18 November 2016 and 05 June 2017.
- 3.11.16 On 14 June 2017, Phase II of the Project was issued with a Provisional Acceptance Certificate for the Scope of work executed for the supply and installation of IP based HiPath 4000 Network equipment.
- 3.11.17 The Provisional Acceptance Certificate was effective from 14 June 2017, which marked the start date of a Three (3) year maintenance contract ending on 13 June 2020.
- 3.11.18 However, the Provisional Acceptance Certificate did not contain details of equipment delivered and installed in each site. The Audit Team could therefore not establish the equipment installed in each site under Phase IIA and Phase IIB respectively.

Implementation of IP based HiPath 4000 Network Phase IIIA and Phase IIIB

- 3.11.19 Phase IIIA and Phase IIIB involved renovation of the Server rooms and securing of the ICT infrastructure through installation of monitoring equipment namely; air conditioners, CCTV cameras, smoke detectors, and biometrics / access points. The Contractor also supplied and installed data network equipment and upgraded IP phones. Schedule of implementation sites in forty-six (46) Counties provided for audit review is detailed in **Appendix X**.
- 3.11.20 The BQs included in the Commercial Contract did not specify both the implementation sites and equipment for each site. Further, a list of equipment delivered and installed in each site under Phase IIIA and Phase IIIB was not

provided for audit verification. It was therefore, not possible to ascertain actual quantities and cost of equipment installed in Phase III of the Project.

3.11.21 Provisional Handover Certificates for the fifteen (15) Counties sites completed in Phase IIIA namely; Baringo, Elgeyo Marakwet, Embu, Isiolo, Kiambu, Kilifi, Kirinyanga, Kisumu, Kwale, Marsabit, Meru, Migori, Nakuru, Nyamira and Uasin Gishu were issued between 29 October 2019 and 1 November 2019.

3.11.22 Further, Provisional Handover Certificates for the remaining thirty- one (31) Counties sites completed in Phase IIIB sites namely; Bomet, Bungoma, Busia, Garissa, Homa-Bay, Kajiado, Kakamega, Kericho, Kisii, Kitui, Lamu, Machakos, Makueni, Mandera, Mombasa, Murang'a, Nandi, Narok, Nyandarua, Nyeri, Laikipia (Rumuruti), Samburu, Siaya, Taita Taveta, Tana River, Tharaka Nithi, Trans Nzoia, Turkana, Vihiga, Wajir and West Pokot were issued between 29 June 2020 and 25 May 2021.

3.11.23 The Provisional Acceptance Certificate confirming that the equipment supplied in Phase IIIB had been fully installed, tested and inspected was issued on 7 June 2021 and became effective on the same date being the date when the last provisional acceptance tests for the sites were successfully conducted.

3.11.24 However, the Audit Team noted that the State Department for ICT and Innovation signed a Service Level Agreement with SOULCO (K) Ltd. for maintenance of the IP Based 4000 Network Project for all the Three (3) Phases including Phase IIIB for a duration of two (2) years effective 1 January 2020 to 31 December 2021 at a cost of €2,640,839 (Kshs.311,619,002). The Service Level Agreement therefore covered Phase IIIB of the Project for approximately eighteen (18) months from 1 January, 2020 to 6 June, 2021 when the Project was still ongoing without justification. However, the corresponding cost implication could not be established since the Service Level Agreement did not include quantities and cost of equipment to be maintained in Phase IIIB.

3.11.25 In the circumstances, the total cost of maintenance incurred when Phase IIIB was ongoing could not be ascertained.

3.12 Physical Verification of IP based HiPath 4000 Network Project Implementation Sites

3.12.1 As noted earlier, a schedule of equipment installed in each site provided for audit review did not specify the Project Phase to which the equipment related to.

3.12.2 The Audit Team sampled and visited twenty - two (22) Counties namely; Busia, Kakamega, Kisumu, Kericho, Kisii, Uasin Gishu, Bomet, Nyeri, Laikipia, Isiolo, Meru, Embu, Kirinyaga, Nakuru, Murang'a, Kwale, Mombasa, Kilifi, Taita Taveta, Makueni, Kitui and Kajadio to confirm both the existence and implementation status of IP based HiPath 4000 Network Project.

3.12.3 The IP based HiPath 4000 Network equipment installed at the Telkom and County Commissioners' sites was integrated with the NOFBI equipment. A summary of the audit findings is as follows.

- Phase I of the Project involved installation of tower installations (radio link), telephone (PBAX) communication and data network equipment at the Telkom (K) Ltd offices, County/ Regional Commissioners' offices, Treasury, Civil Registration and Education Departments and Governor's offices in Embu. Further, the Contractor installed communication Server room equipment at the County Commissioners' offices, which also serve as the Project sites at Counties' Level.
- A visit to fifty -two (52) Project implementation sites revealed that radio link and telephone (PBAX) communication equipment in twenty (20) sites was not functioning. The IP based HiPath 4000 Network equipment in these sites was integrated with NOFBI equipment. Further, batteries that were meant to provide backup at the Server rooms in Kitui, Mombasa, Busia, Kakamega, Kericho, Kisii and Uasin Gishu County Commissioners' offices in case of disruption in electricity supply were not functioning. Detailed audit findings are summarized in **Appendix XI**.

- In Phase IIA and Phase IIB, the Contractor installed data network, video conferencing and power system equipment.
 - The Audit Team visited a total of forty-nine (49) Project implementation sites and noted that at the Governors' offices in Makueni, Isiolo, Meru, Nyeri, Kisii and Uasin Gishu which were connected to internet by the ICT Authority, had also contracted alternative Internet Service Providers and the internet provided by the ICT Authority served as a redundancy link. At the Embu and Laikipia Governors' offices the equipment was not in use and they had contracted alternative Internet Service Providers. At the Bomet County Commissioner's site, batteries that were meant to provide backup at the Server Room in case of disruption in electricity supply were not functioning. Detailed audit findings are summarized in **Appendix XII**.
 - In Phase IIIA and Phase IIIB, the Contractor carried out structured cabling (LAN) in selected offices and installed data network, power backup systems, Wi-Fi connection-controlled access, fire detection systems, towers and renovation of Server rooms.
 - The Audit Team visited a total of two hundred and forty- one (241) Project implementation sites, out of which equipment in one hundred and ninety-two (192) sites was in use and connected to internet. However, UPSs at the Regional Prison, DCIO and Central Police offices in Nakuru were faulty but this did not affect overall functionality of equipment. Further, six (6) out of the twelve (12) IP phones installed at the Busia Prisons were not functioning.
- 3.12.4 Equipment in a total of forty- nine (49) sites out of the two hundred and forty- one (241) sites was not in use. Further, out of the forty- nine (49) sites where equipment was not in use, twenty-six (26) sites had contracted alternative Internet Service Providers. Detailed audit findings are analyzed in **Appendix XIII**.

3.13 Cross Cutting Challenges Noted from End- Users and Recommended Mitigation Measures

3.13.1 The following cross- cutting challenges were noted during the physical verification for NOFBI and IP based HiPath 4000 Network Projects carried out in February, 2022.

Table 37: Cross- Cutting Challenges in NOFBI and IP based 4000 Network Project

No.	Cross- Cutting Challenges	Recommended Mitigation Measures
1	Lack of involvement of other National Government Ministries, Departments and Agencies and County Governments in NOFBI and HiPath 4000 Network Projects identification, Implementation and operation	Involvement of all intended end users of the two Projects in Project identification, implementation and operation.
2	Absence of approved NOFBI and IP based HiPath 4000 Network Projects' Implementation and Operational Guidelines.	Formulation and implementation of Policy Guidelines or Framework outlining roles of the various National Government Ministries, Departments and Agencies and County Governments in the two Projects
3	High electricity bills since the equipment have to be powered all the time.	Agreement with end user institutions on who should bear the cost of electricity bills incurred in powering NOFBI and IP based HiPath 4000 Network Equipment.
4	Power fluctuations and outage affect delivery of internet service since some of the backup devices (Server room batteries and Uninterrupted Power Supply (UPSs) in some of the sites were either non-functional or could not support the equipment for long periods.	Repair or replacement of the non-functional backup equipment

5	End users not trained on basic operation and maintenance of equipment and had to rely on ICT Authority staff at the Counties to sort out all issues related to internet provision and operation of equipment	Training of ICT staff within the National Government Ministries, Departments and Agencies where the equipment was installed to assist in monitoring and managing the equipment.
6	Absence of an approved list of ICT equipment required to ensure connectivity to end users for the NOFBI sites where passive equipment (ODF units and ODF cabinets) were installed.	Management should provide an approved list of equipment to be purchased by end users where passive equipment was installed to enable connection to internet service.
7	Lack of requisite equipment such as an (Optical Time- Domain Reflectometer (OTDR) and power meter machines for monitoring the Projects to ensure uninterrupted internet service delivery at the Counties level.	Equipping ICT Officers at the Counties Level with the requisite equipment for use at the County level in monitoring and diagnosing issues related to interruption of internet supply
8	Lack of access to National Operating Centres at ICT Authority and The National Treasury for NOFBI and IP based HiPath 4000 Network Projects' sites.	Creation of Regional Operating Centres for the two Projects with Read Only capability to ensure immediate diagnosis of internet interruption issues and quick response to resolve them.
9	Instances of low internet speed	Management should assess end users' needs and allocate the Internet speed in accordance with users' requirements.

4.0 IRREGULARITIES AND RECOMMENDATIONS

4.1.1 The following were irregularities and weaknesses observed during the audit and the corresponding recommendations.

Table 38: Irregularities, Weaknesses and Recommendations

No.	Irregularity/ Weakness	Amount (Kshs)	Involved	Responsibility	Recommendations
NOFBI Project					
1	Failure to provide approved budgets for the financial years 2007/2008 to 2010/ 2011 for NOFBI Phase I and financial years 2012/2013 to 2014/2015 for NOFBI Phase II.	Not Quantifiable		PS, State Department for ICT and Innovation	Management to ensure proper and complete record keeping including approved budgets for NOFBI Phase I and NOFBI Phase II.
2	Failure to provide the approved budgets for financial years 2014/2015 and 2015/2016 relating to NOFBI Phase II.	Not Quantifiable		CEO, ICT Authority	Management to ensure proper and complete record keeping including approved budgets for the NOFBI Phase II Project
3	Failure to provide documents on how the Government of the People's Republic of China and EXIM Bank of China were identified and appointed to finance the NOFBI Project	Not Quantifiable		PS, The National Treasury	Management to provide documentary evidence on identification and appointment of Government of the People's Republic of China and EXIM Bank of China to finance the NOFBI Project.
4	Signing of Commercial Contract Agreements Prior to Signing of Framework and Concessional Loan Agreements for NOFBI Phase II and NOFBI Phase IIE		N/A	PS, ICT and Innovation	Agreements on implementation of Projects should be entered into once feasibility and funding have been secured
5	Underfunding of the State Department for ICT and Innovation (by Kshs. 512,896,588) and ICT Authority (by Kshs. 94,000,000) Budgets for NOFBI Project		954,896,588	The PS, National Treasury	The National Treasury to ensure that required funding for the Project is provided.

6	Absence of documentation on Procurement records and Commercial Contract for ZTE Co. Ltd and Final Agreed Project Plan for Commercial Contract with Huawei Technologies Co. Ltd for NOFBI Phase I Project	Not quantifiable	PS, Department for ICT Innovation and CEO, Authority	State for and ICT	Management should ensure that all procurement records including Commercial Contracts and other supporting documents are properly maintained and provided for audit.
7	Un-supported Training component for NOFBI Phase II Project.	104,540,198	CEO, Authority	ICT	Management should ensure that up to date records including training are maintained and provided for audit.
8	Un-supported Donor Component (Huawei Technologies Co. Ltd). of expenditure incurred on NOFBI Project Phase I and NOFBI Phase II	9,549,576,084	PS, Department for ICT Innovation and CEO, Authority	State for and ICT	Management should ensure that up to date records of expenditure are maintained and provided for audit.
9	Un-supported GOK expenditure on operations for NOFBI Phase II and NOFBI Phase IIE Project	155,781,470	CEO, Authority	ICT	Management should ensure that up to date records of expenditure are maintained and provided for audit.
10	Failure to provide documentary evidence to confirm whether a request for an extension of the availability period for Concessional Loan Agreement for NOFBI Phase II was done or the facility was cancelled.	269,755,959	PS, Department for ICT Innovation	State for and	Management should ensure that up to date records of expenditure are maintained and provided for audit.
11	Failure to provide evidence whether or not a commitment fee of 0.75% p.a. on the undrawn and un-cancelled balance of the facility (USD2,605,553) was paid.	2,059,921	PS, Department for ICT Innovation	State for and	Management should ensure that up to date records of expenditure are maintained and provided for audit.
12	Absence of a Policy or Framework for implementing the NOFBI Project	N/A	PS, Department for ICT Innovation and CEO, Authority	State for and ICT	Management should formulate and implement Policy Guidelines/Framework for future Project
13	Failure to maintain an Asset Register for ICT Assets of NOFBI Project.	N/A	CEO, Authority	ICT	Management should ensure that an up to date Asset Register is

					maintained and provided for audit.
14	Back dating O & M Contract agreement resulting to irregular payment without contract	141,833,748	PS, State Department for ICT and Innovation		Management should ensure that all GOK services are supported by formal agreements.
15	Absence of detailed analysis of geographical coverage for Operations and Maintenance Service Contracts for Western and Eastern Regions for NOFBI Phase II.	99,723,160	PS, State Department for ICT and Innovation		Management should ensure that complete records of the Project coverage are maintained and provided for audit.
16	Excess award by approximately 80 Kilometres of NOFBI Phase II Operations and Maintenance contract to two contractors	3,659,566	PS, State Department for ICT and Innovation		Management should reconcile the awarded contracts coverage totaling 2,180 Kilometres with the total NOFBI II coverage of 2,100 Kilometres.
17	Acquired but uninstalled 75 ODF Units and Cabinets under NOFBI Phase IIE	13,991,180	CEO, ICT Authority		Management to ensure that equipment acquired under the Project is installed as per the Contract requirements
18	Non-functioning, faulty and idle equipment in Project Sites	Not quantifiable	CEO, ICT Authority		Management to ensure that active equipment is installed/repared in sites where passive equipment (ODF Cabinets and ODF Units) were installed to enable connection to internet service.
IP based HiPath 4000 Network Project					
19	Poor record keeping and absence of documentation on conceptualization including Feasibility Study and Environmental Impact Assessment Reports for IP based HiPath 4000 Network Project.	N/A	PS, State Department for ICT and Innovation		Management to ensure that up to date records of the Project are maintained and provided for audit.
20	Failure to provide IP based HiPath 4000 Network Project's approved annual budgets for financial years 2011/2012 to 2014/2015 for both GOK and Donor components.	Not quantifiable	PS, State Department for ICT and Innovation		Management to ensure that up to date records of the Project are maintained and provided for audit.

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20	Absence of documentation on identification and appointment of the Government of Belgium and KBC Bank NV of Belgium to finance the IP based HiPath 4000 Network Project.	Not quantifiable	PS, The National Treasury	Management to ensure that up to date records of the Project are maintained and provided for audit.
21	Unsupported gift/ grant for IP based HiPath 4000 Network Projects Phase I, Phase II, and Phase IIIA.	613,174,181	PS, State Department for ICT and Innovation	Management to ensure that up to date records of expenditure are maintained and provided for audit.
22	Un-supported IP based HiPath 4000 Network Project Phase IIIB State to State Loan.	1,353,257,512	PS, State Department for ICT and Innovation	Management to ensure that up to date records of expenditure are maintained and provided for audit.
23	Un-supported Donor Component (SOULCO Projects NV of Belgium) expenditure for Phase I, Phase II and Phase III of the IP based HiPath 4000 Network Project	3,904,027,554	PS, State Department for ICT and Innovation	Management to ensure that up to date records of expenditure are maintained and provided for audit.
24	Failure to provide payment vouchers and expenditure summaries for the GOK Component for financial years 2011/2012 to 2014/2015 and 2019/2020 for the IP based HiPath 4000 Network Project	Not quantifiable	PS, State Department for ICT and Innovation	Management to ensure that up to date records of expenditure are maintained and provided for audit.
25	Un-supported GOK Component expenditure on operations of the IP based HiPath 4000 Network Project	855,097,651	CEO, ICT Authority	Management to ensure that up to date records of expenditure are maintained and provided for audit.
26	Absence of Policy or Framework for Implementing the IP based HiPath 4000 Network Project	N/A	PS, State Department for ICT and Innovation	Management to formulate and implement Policy Guidelines/ Framework for the Project.
27	Failure to maintain an Asset Register for the acquired and installed ICT Assets of IP based HiPath 4000 Network Project.	N/A	PS, State Department for ICT and Innovation	Management should ensure that an up to date Asset Register of the Project's ICT Assets is maintained and provided for audit.

28	Absence of a Collocation Agreement with Telkom (K) Ltd.	N/A	PS, Department for ICT and Innovation	State and	Management to ensure that there is a documented Agreement to safeguard the Project's assets collocated in Telkom (K) sites.
29	Lack of Network Security Controls/ appliances like Firewalls at the entry/ exit of the IP based HiPath 4000 Network	N/A	PS, Department for ICT and Innovation	State and	Management to ensure that Network Security Controls are installed in the Project's Network.
30	Contracting SOULCO (K) Ltd. to carry out maintenance of Phase IIIB of the IP based HiPath 4000 Network Project for two years between 1 January 2020 to 31 December 2021 which covered 18 months from 1 January 2020 to 6 June 2021 while the Project was still ongoing.	Not quantifiable	PS, Department for ICT and Innovation	State and	Management to quantify and recover the extra amount paid to the Contractor for maintaining the IP based HiPath 4000 Network Project.
31	Non- functional, faulty and idle equipment in Project Sites	Not quantifiable	PS, Department for ICT and Innovation	State and	Management to ensure that the non- functional and faulty equipment are either repaired or replaced. Idle Equipment should be put to use.

5.0 CONCLUSION

5.1.1 The objective of the forensic audit was to review the NOFBI and IP based HiPath 4000 Network Projects' conceptualization, procurement process, implementation, operation and management and to establish their current status.

5.1.2 The two Projects were implemented in National Government Ministries, Department and Agencies at the forty- seven (47) Counties and County Governments (Governors) offices. However, there was no Policy or Framework for implementing Projects. As a result, equipment installed in some sites remained idle.

5.1.3 The NOFBI Project was financed by the Government of Kenya and Government of the People's Republic of China through EXIM Bank of China while the IP based

HiPath 4000 Network Project was financed by the Government of Kenya and Government of Belgium through KBC Bank NV of Belgium. However, documents on how the Government of the People's Republic of China, EXIM Bank of China, Government of Belgium and KBC Bank NV of Belgium were identified were not provided for audit.

- 5.1.4 NOFBI Project was implemented in three phases. NOFBI Phase I was implemented between 2007 to 2009, NOFBI Phase II between 2012 to 2017 and NOFBI Phase IIE between 2016 to 2020. However, the Audit Team could not ascertain total approved budget for the Project as some budgets were not provided for audit. The IP based HiPath 4000 Network Project was also implemented in three Phases; Phase I between 2010 and 2013, Phase II between 2013 and 2017, and Phase III between 2016 and 2021.
- 5.1.5 The NOFBI Project total funding from the EXIM Bank of China could not be ascertained as the Framework and Concession Loan Agreements for NOFBI Phase I were not provided for audit. However, the cost was ¥460,000,000 (Kshs.6,083,546,000) and ¥650,000,000 (Kshs.10,286,640,000) for NOFBI Phase II and NOFBI Phase IIE respectively.
- 5.1.6 The IP based HiPath 4000 Network Project cost could also not be ascertained since some of the GOK budgets were not provided for audit. However, the amount funded by the KBC Bank NV of Belgium was €46,623,127 (Kshs.5,227,121,849).
- 5.1.7 The Audit Team noted that various contract agreements were entered between respective GOK representatives and various firms for Operation and Maintenance of the NOFBI Project. However, some Contracts were backdated while others were awarded at different amounts per Kilometres without justification.
- 5.1.8 There was poor record keeping leading to various documents that were not provided for audit. In addition, were no Asset Registers for the Projects' assets.

It was therefore not possible to ascertain the total cost of ICT Assets that were acquired and installed under the two Projects.

5.1.9 Some of the IP based HiPath 4000 Network Project's equipment is collocated at the Telkom (K) Ltd. offices, which is a private Company. However, there was no Collocation Agreement to safeguard the Project's Assets.

5.1.10 The anomalies noted in the various Phases of the NOFBI Project during physical verification included non-functioning, faulty, idle and lack of passive and active equipment, disconnected power supply and termination of Fibre Optic outside instead of inside some offices. Consequently, some sites have contracted alternative Internet Service Providers thus incurring additional costs.

5.1.11 Further, anomalies were also noted during the physical visits to IP based HiPath 4000 Network Project's sites which included; lack of data security at the entry/ exit of the Network and non-functioning, faulty and idle equipment. Consequently, some sites contracted alternative Internet Service Providers thus incurring additional costs.


CPA Nancy Gathungu, CBS

AUDITOR- GENERAL

26 August, 2022

6.0 APPENDICES

Appendix I: Computation of Exchange Rate

I. NOFBI Phase I - Estimated Cost of USD 80,000,000 at prevailing CBK Exchange rate August 2006 of 1 USD = Kshs. 72.78					
II. NOFBI I - CBK Exchange rate prevailing on Commercial Contract Date on 07 June 2007- 1 USD = Kshs. 70.90					
III: NOFBI II - CBK Exchange rate of 1 USD= Kshs. 102.17 arrived at as follows.					
PV Date	Description	Amount in USD	Exchange Rate	Amount in Kshs.	
31-Oct-17	Phase II - Civil works	413,635	103	42,604,384	
31-Oct-17	Phase II - training of staff	227,560	103	23,438,680	
27-Dec-17	Phase II - Equipment (RTN)	65,262	103	6,721,986	
27-Dec-17	Phase II - Civil works	21,708	103	2,235,961	
27-Dec-17	Phase II - Equipment LAN	11,077	103	1,140,893	
27-Dec-17	Phase II - Service LAN	18,322	103	1,887,156	
09-Feb-18	Phase II - Civil works	110,351	101	11,178,541	
09-Feb-18	Phase II - Civil works	61,614	101	6,241,464	
09-Feb-18	Phase II - FAC equipment	1,673,572	101	169,532,803	
09-Feb-18	Phase II - FAC service	2,953,058	101	299,144,745	
09-Feb-18	Phase II - Equipment (RTN)	16,316	101	1,652,760	
15-Oct-19	Maintenance service for Q1,2 & 3 2019	1,954,165	104	202,757,686	
14-Nov-19	Maintenance service for Q4 2019	568,714	102	58,242,311	
16-Apr-20	Maintenance service for Q4 2018	82,675	106	8,755,962	
	Total	8,178,026		835,535,333	
NOFBI II - Exchange rate (Total amount in Kshs/ Total amount in USD)= Kshs. 102.17					
IV: NOFBI II- Exchange rate prevailing on Concessional Loan Agreement Date of 28 June 2012 of 1 Yen (¥)= Kshs. 13.23					
V: NOFBI IIE - Exchange rate of 1 USD= Kshs. 102.50 arrived at as follows.					
PV Date	Description	Amount in USD	Exchange Rate	Amount in Kshs.	
06-Dec-16	Advance Payment	17,770,000	101	1,801,878,000	
14-Feb-18	Phase IIE - Outside Plant Material	1,798,975	101	182,236,214	

15-Feb-18	Phase IIE - Network and Power Management System License	330,992	101	33,529,472	
16-Feb-18	Phase IIE - Network and Power Management System License	110,331	101	11,176,491	
17-Feb-18	Phase IIE - Outside Plant Material	504,675	101	51,123,586	
18-Feb-18	Phase IIE - Engineering services	11,872	101	1,202,637	
19-Feb-18	Phase IIE - Access Metro Expansion	3,242,350	101	328,450,104	
20-Feb-18	Phase IIE - Equipment Accessory Products	37,124	101	3,760,696	
21-Feb-18	Phase IIE - Equipment Accessory Products	11,647	101	1,179,826	
22-Feb-18	Phase IIE - Access Metro Expansion	3,242,350	101	328,450,104	
11-Jun-18	Phase IIE - Equipment Accessory Products	5,196,939	101	524,890,837	
29-Jun-18	Phase IIE - Outside Plant Material	2,297,442	101	232,041,600	
29-Jun-18	Phase IIE - transmission equipment, hybrid grid power and environment facilities and accessory products	716,177	101	72,333,890	
20-Aug-18	Phase IIE - Outside Plant Material	403,495	101	40,753,015	
20-Aug-18	Phase IIE - Equipment Accessory Products	4,004	101	404,365	
20-Aug-18	Phase IIE - Engineering services	4,081	101	412,181	
20-Aug-18	Phase IIE - OSP Service	2,587,184	101	261,305,557	
20-Aug-18	Phase IIE - HDPE work	2,587,184	101	261,305,557	
06-Nov-18	Phase IIE - Outside Plant Material	73,258	101	7,432,492	
06-Nov-18	Phase IIE - HDPE work	469,727	101	47,656,631	
06-Nov-18	Phase IIE - OSP Service	469,727	101	47,656,631	
06-Nov-18	Phase IIE - Outside Plant Material	1,873,933	101	190,121,723	
06-Nov-18	Phase IIE - Transmission Equipment, Hybrid Grid Power and Environment Facilities and Accessory Products	684,286	101	69,424,896	
06-Nov-18	Phase IIE - Outside Plant Material	26,772	101	2,716,205	
06-Nov-18	Phase IIE - HDPE work	171,662	101	17,416,126	
06-Nov-18	Phase IIE - OSP Service	171,662	101	17,416,126	
06-Nov-18	Phase IIE - Outside Plant Material	260,239	101	26,402,837	

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06-Nov-18	Phase IIE - Equipment Accessory Products	6,187	101	627,748	
06-Nov-18	Phase IIE - Engineering services	6,307	101	639,883	
06-Nov-18	Phase IIE - HDPE work	1,668,637	101	169,293,193	
06-Nov-18	Phase IIE - OSP Service	1,668,637	101	169,293,193	
06-Nov-18	Phase IIE - Equipment Accessory Products	6,551	101	664,674	
06-Nov-18	Phase IIE - Outside Plant Material	231,193	101	23,455,950	
06-Nov-18	Phase IIE - Engineering services	6,678	101	677,523	
06-Nov-18	Phase IIE - HDPE work	1,482,396	101	150,397,956	
06-Nov-18	Phase IIE - OSP Service	1,482,396	101	150,397,956	
10-Jun-19	Phase IIE - Transmission Equipment, Hybrid Grid Power and Environment Facilities and Accessory Products	879,384	101	88,817,765	
19-Aug-19	Phase IIE - OSP Service	4,568,064	103	471,424,189	
19-Aug-19	Phase IIE - HDPE Work	4,568,064	103	471,424,189	
19-Aug-19	Phase IIE - Engineering Services	18,179	103	1,876,073	
19-Aug-19	Phase IIE - Equipment and Outside Plant Materials	730,266	103	75,363,451	
19-Aug-19	Phase IIE - OSP Service	681,521	103	70,332,948	
19-Aug-19	Phase IIE - HDPE work	681,521	103	70,332,948	
19-Aug-19	Phase IIE - Outside Plant Material	106,289	103	10,969,073	
19-Aug-19	Phase IIE - Outside Plant Material	345,641	103	35,670,115	
19-Aug-19	Phase IIE - OSP Service	2,216,224	103	228,714,347	
19-Aug-19	Phase IIE - HDPE work	2,216,224	103	228,714,347	
19-Aug-19	Phase IIE - Engineering services	8,533	103	880,606	
19-Aug-19	Phase IIE - Equipment	8,371	103	863,906	
19-Aug-19	Phase IIE - Transmission Equipment, Hybrid Grid Power and Environment Facilities and Accessory Products	651,529	103	67,237,792	
19-Aug-19	Phase IIE - Transmission Equipment, Hybrid Grid Power and Environment Facilities and Accessory Products	607,853	103	62,730,460	

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19-Aug-19	Phase IIE - Outside Plant Material	865,757	103	89,346,116	
23-Sep-19	Phase IIE - Outside Plant Material	177,249	104	18,409,086	
23-Sep-19	Phase IIE - OSP Service	1,136,509	104	118,037,809	
23-Sep-19	Phase IIE - HDPE work	1,136,509	104	118,037,809	
23-Sep-19	Phase IIE - Outside Plant Material	749,573	104	77,850,662	
23-Sep-19	Phase IIE - Transmission Equipment, Hybrid Grid Power and Environment Facilities and Accessory Products	607,853	104	63,131,643	
28-Oct-19	Phase IIE - Transmission Equipment, Hybrid Grid Power and Environment Facilities and Accessory Products	911,780	104	94,379,345	
28-Oct-19	Phase IIE - Equipment Accessory Products	19,654	104	2,034,413	
14-Nov-19	Phase IIE - Training of staff	400,000	102	40,968,240	
13-Aug-20	Phase IIE - Clearance, Warehouse, Insurance and transportation	2,000,000	106	212,594,200	
13-Aug-20	Phase IIE - Transmission Equipment, Hybrid Grid Power and Environment Facilities and Accessory Products	1,276,492	106	135,312,611	
13-Aug-20	Phase IIE - transmission equipment, hybrid grid power and environment facilities and accessory products	654,840	101	66,192,838	
13-Aug-20	Phase IIE - Transmission Equipment, Hybrid Grid Power and Environment Facilities and Accessory Products	1,238,810	101	125,221,931	
13-Aug-20	Phase IIE - HDPE work	332,910	101	33,651,368	
13-Aug-20	Phase IIE - OSP Service	332,910	101	33,651,368	
13-Aug-20	Phase IIE - HDPE work	417,980	106	44,307,365	
13-Aug-20	Phase IIE - OSP Service	417,980	106	44,307,365	
13-Aug-20	Phase IIE - Engineering services	634,015	106	67,207,797	
13-Aug-20	Phase IIE - Outside Plant Material	1,207,975	106	128,049,555	
18-Jan-21	Phase IIE - Engineering Services	327,207	110	36,025,522	
19-Jan-21	Phase IIE - Transmission Equipment, Hybrid Grid	71,509	110	7,873,151	

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	Power and Environment Facilities and Accessory Products				
19-Jan-21	Phase IIE - Outside Pant Material	164,608	110	18,123,320	
19-Jan-21	Phase IIE - OSP Service	204,584	110	22,524,742	
19-Jan-21	Phase IIE - HDPE Work	204,584	110	22,524,742	
10-Feb-21	Phase IIE - OSP Service	533,249	110	58,418,408	
10-Feb-21	Phase IIE - HDPE Work	533,249	110	58,418,408	
10-Feb-21	Phase IIE - Transmission Equipment, Hybrid Grid Power and Environment Facilities and Accessory Products	610,699	110	66,903,202	
10-Feb-21	Phase IIE - Transmission Equipment, Hybrid Grid Power and Environment Facilities and Accessory Products	286,778	110	31,417,084	
22-Apr-21	Phase IIE - Engineering Services	290,000	107	31,113,578	
22-Apr-21	Phase IIE - Project Management	1,200,000	107	128,745,840	
Total		88,850,000		9,108,257,600	
NOFBI IIE- Exchange rate (Total amount in Kshs/ Total amount in USD) = Kshs. 102.51					
VI: NOFBI IIE- Exchange rate prevailing on Concessional Loan Agreement Date of 16 December 2015 of 1 Yen (¥)= Kshs. 15.83					
VII: IP based HiPath 4000 Network Phase I- CBK exchange rate prevailing on Contract Date 01 December 2010- 1 USD= Kshs. 100.006					
VIII: IP based HiPath 4000 Network Phase II- CBK exchange rate prevailing on Contract Date 15 April 2013- 1 USD= Kshs. 109.59					
IX: IP based HiPath 4000 Network Phase III- Exchange rate of 1 Euro= Kshs. 118 arrived at as follows.					
PV Date	Description	Amount in Euros	Exchange Rate	Kshs.	Section in the Report
19/12/2016	Phase IIIB down -Payment	1,217,538	122	148,539,665	
21/09/2017	Phase IIIA- 30% of the service at start of the work	1,069,011	122	130,419,357	
27/11/2017	Phase IIIB - Site Survey	58,597	122	7,148,822	
18/04/2018	Phase IIIB down -payment	2,529,769	122	308,631,772	

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28/06/2018	Management training, Factory acceptance and detail design	246,687	122	30,095,826	
29/06/2018	Supply and installation of an IP based HiPath 4000 Network - Phase III	59,192	118	6,973,951	
03/07/2018	Supply and installation of an IP Based Hipath 4000 Network- Phase III B site survey	132,820	118	15,648,810	
27/09/2018	Supply and installation of an IP based HiPath 4000 Network - Phase III Bill of landing	945,326	116	109,752,296	
27/09/2018	Supply and installation of an IP based HiPath 4000 Network - Phase III- Local project manager	17,869	116	2,074,603	
19/10/2018	Supply and installation of an IP based HiPath 4000 Network - Phase III Bill of landing	992,291	116	115,204,967	
21/11/2018	Supply and installation of an IP based HiPath 4000 Network - Phase III	252,895	116	29,361,108	
23/11/2018	Supply and installation of an IP based HiPath 4000 Network - Phase III	865,776	116	100,516,572	
23/11/2018	Phase IIIB material of the second transport of Material	1,281,613	116	148,795,265	
21/03/2019	Supply and installation of an IP Based Hipath 4000 - Shipment	1,216,528	113	137,467,617	
27/09/018	Supply and installation of an IP based HiPath 4000 Network - Phase III	279,618	116	32,463,666	
Total		11,165,528		1,323,094,295	1.41 3.10.1 3.10.3
IP based HiPath 4000 Network phase IV- Exchange rate (Total amount in Kshs/ Total in Euros) = Kshs. 118					
Workings for the Report					
(a) Contract Sum					
	Project Phase	Contract Amount	Conversion Rate (1USD to Kshs.)	Amount in Kshs	Section in the Report
	NOFBI I	42,000,000	70.90	2,977,800,000	3.3.5 3.3.6
	NOFBII	72,500,000	102.17	7,407,325,000	3.3.8
	NOFBI IIE	98,650,000	102.51	10,112,611,500	3.3.14 3.3.15

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	Total	213,150,000		20,497,736,500	
	<u>(b) Concessional Agreements</u>				
Project Phase	Concessional Loan Agreement Date	Chinese ¥	Conversion Rate (1¥ to Kshs.)	Amount in Kshs	Section in the Report
NOFBI II	28-Jun-12	460,000,000	13.2251	6,083,546,000	1.11, 1.17, 1.53, 5.1.5
NOFBI IIE	16-Dec-15	650,000,000	15.8256	10,286,640,000	1.11, 1.53, 5.1.5
	Total	1,110,000,000		16,370,186,000	
	<u>(c) NOFBI Payments</u>				
	Project Phase	Amount in USD	Conversion Rate (1USD to Kshs.)	Amount in Kshs.	Section in the Report
	NOFBI II	8,178,026	102.17	835,535,333	3.4.3
	NOFBI IIE	88,850,000	102.51	9,108,257,600	
	NOFBI IIE Project	9,800,000	102.51	1,004,367,484	3.3.14, 3.3.16, 3.4.3
	Total	106,828,026		10,948,160,416	1.14, 3.4.3,
	Un accounted for amount (Contract Sum less Payments)	106,321,974		9,549,576,084	1.14, 3.43
	<u>(d) NOFBI Training Component</u>				
	Project Phase	Amount in USD	Conversion Rate (1USD to Kshs.)	Amount in Kshs.	Section in the Report
	NOFBI I	911,804	70.9	64,646,904	3.5.48
	NOFBI II	1,023,199	102.17	104,540,242	3.5.48
	Total	1,935,003		169,187,145	3.5.48
	<u>IP based HiPath 4000 Network Project</u>				
	<u>(e) HiPath Contract Price</u>				

	Project Phase	Amount in Euros (€)	Conversion Rate (1 Euro (€) to Kshs.)	Amount in Kshs.	Section in the Report
	HiPath I	9,642,798	100	964,337,657	3.8.5, 3.9.1
	HiPath II	11,998,383	110	1,314,902,793	3.8.5, 3.9.1
	HiPath III A	8,116,922	118	957,796,749	3.8.5, 3.9.1
	HiPath III B	16,865,124	118	1,990,084,651	3.8.5, 3.9.1
	Total for Phase III (IIIA +IIIB)	24,982,046		2,947,881,400	3.9.14
	Project cost (I+II+III)	46,623,227		8,175,003,249	3.8.5
	(f) Analysis of Credit Loan Agreements				
	Project Phase	Amount in Euros (€)	Conversion Rate (1 Euro (€) to Kshs.)	Amount in Kshs.	Section in the Report
	HiPath I	8,196,378	100.01	819,686,978	3.8.5
	HiPath II	9,598,384	109.59	1,051,886,903	
	HiPath III A	6,375,333	118.00	752,289,294	
	HiPath III B	5,396,840	118.00	636,827,120	
	Credit Loan Amount	29,566,935		3,260,690,295	
	Credit Insurance Premium	2,766,277		307,225,189	3.8.6
	Total amount	32,333,212		3,567,915,484	3.8.5
	Add:				
	Gift/ Grant	5,588,009		613,174,181	3.8.5, 3.8.6
	State to State Loan	11,468,284	118	1,353,257,512	3.8.5, 3.8.6
	Total Project Cost	49,389,505		5,534,347,176	1.36, 3.8.5
	(g) Gift/ Grant				
	Project Phase	Amount in Euros (€)	Conversion Rate (1 Euro (€) to Kshs.)	Kshs.	Section in the Report
	HiPath I	1,446,420	100.01	144,650,679	3.8.5
	HiPath II	2,400,000	109.59	263,016,000	3.8.5

	HiPath III A	1,741,589	118.00	205,507,502	3.8.5
	Total gift/ grant	5,588,009		613,174,181	1.36, 3.8.5, 3.8.6,3.8.7
	(h) State to State Loan				
	HiPath III B	11,468,284	118.00	1,353,257,512	1.36, 3.8.5, 3.8.6,3.8.7
	(i) Credit Insurance Premium				
	Project Phase	Amount in Euros (€)	Conversion Rate (1 Euro (€) to Kshs.)	Kshs.	Section in the Report
	HiPath I	647,391	100.01	64,742,984	3.8.5
	HiPath II	897,306	109.59	98,335,765	3.8.5
	HiPath III A	814,302	118.00	96,087,636	3.8.5
	HiPath III B	407,278	118.00	48,058,804	3.8.5
		2,766,277		307,225,189	1.36, 3.8.5, 3.8.6
	(j) Subcontracting Amounts				
	Project Phase	Amount in Euros (€)	Conversion Rate (1 Euro (€) to Kshs.)	Kshs.	Section in the Report
	HiPath I	1,638,804	100.01	163,890,258	3.9.8
	HiPath II	1,831,853	109.59	200,752,800	3.9.13
	HiPath III	1,545,850	118.00	182,410,300	3.9.16
	Total	5,016,508		547,053,358	

Appendix II: List of Documents not provided for audit

No.	Document	Dates requested
NOFBI Project		
1	Approved budgets for financial years 2012/2013 to 2014/2015 relating to NOFBI Phase II & financial years 2014/2015 and 2015/2016 for NOFBI Phase IIE.	1 November 2021, 02 December 2021, 14 March 2022, 25 March 2022
2	Procurement records for M/s. ZTE Corporation Ltd. and Sagem Communications for NOFBI Phase I.	1 November 2021, 25 March 2022
3	Documentation relating to training component in the Commercial Agreements between Huawei and Government of Kenya- NOFBI Phase I – USD911,804 and NOFBI Phase II- USD1,023,199	1 November 2021, 03 December 2021, 25 March 2022
4	Records of payments made if any during NOFBI Phase I to ZTE Corporation Ltd., Sagem Communications, and Huawei Technologies Co. Ltd.	1 November 2021, 03 December 2021, 14 March 2022, 25 March 2022
5	Records of payments supporting unaccounted for amount of USD64,321,974 out of the Contract price of USD72,500,000 under phase NOFBI Phase II.	1 November 2021, 02 December 2021, 03 December 2021, 14 March 2022, 25 March 2022
6	Analysis of drawdowns for NOFBI Phase I, NOFBI Phase II and NOFBI Phase IIE	1 November 2021, 02 December 2021, 14 March 2022, 25 March 2022,
7	Asset Register for the NOFBI infrastructure/ equipment	1 November 2021, 25 March 2022
8	Documents to support Gazettement of NOFBI & IP based HiPath 4000 Network Projects as Critical Information Infrastructure	1 November 2021, 25 March 2022
9	Handing over/ taking over of NOFBI Phase I infrastructure between ICT Authority and Telkom (K) Ltd.	1 November 2021, 25 March 2022
10	Analysis of NOFBI Phase II regions as per the Maintenance contracts with COM. Twenty-One Ltd. and WhiteSpace Technologies Co. Ltd.	1 November 2021, 25 March 2022
IP based 4000 Network Project/ CCP Project		
1	Letter from MOICT clarifying project name for IP Based HiPath 4000 Network/ County Connectivity Project (CCP) / Last Mile County Connectivity Project (LMCCP).	1 November 2021, 25 March 2022

2	Conceptualization/ feasibility study reports	1 November 2021, 25 March 2022
3	Cabinet Approval/ Framework Agreement between the Government of Kenya and Government of Belgium on IP Based HiPath 4000 Network / CCP Project.	1 November 2021, 02 December 2021, 14 March 2022, 25 March 2022
4	Terms and conditions of the State to State Loan amounting to €11,468,284.43 factored in IP Based HiPath 4000 Network/ CCP Project Phase IIIB contract price of €16,865,124	1 November 2021, 02 December, 2021, 14 March 2022, 25 March 2022
5	Documents accounting for gift/ grant of €1,446,419.70 in IP Based HiPath 4000 Network / CCP Project I, €2,399,676.68 in Phase II, and €1,741,589.00 in Phase IIIA Concessional agreements.	1 November 2021, 02 December 2021, 14 March 2022, 25 March 2022
6	Analysis of drawdowns of IP Based HiPath 4000 Network /CCP Project Phase I, Phase II, Phase IIIA and Phase IIIB.	1 November 2021, 02 December 2021, 14 March 2022, 25 March 2022
7	Documents to support unaccounted for €13,817,316.84 out of €24,982,045.76 in IP Based HiPath 4000 Network / CCP Project Phase III.	1 November 2021, 02 December 2021, 20 December 2021, 14 March 2022, 25 March 2022
8	Asset Register for IP Based HiPath 4000 Network /CCP Project equipment	1 November 2021, 20 December 2021, 25 March 2022
9	Documents to support the actual payments made if any for contracts under IP Based HiPath 4000 Network /CCP Project Phase I amounting to €9,642,798.00 and Phase II amounting to €11,998,383.42.	1 November 2021, 02 December 2021, 20, December 2021, 14 March 2022, 25 March 2022
10	Records to support GOK component expenditure for IP Based HiPath 4000 Network /CCP Project for the financial years 2011 /2012 to 2015/2016 and 2021/2022 by the State Department for ICT and Innovation.	1 November 2021, 25 March 2022
11	Records to support GOK component of expenditure the project for the financial years 2014 /2015 to 2016/2017 and Kshs.86,781,069 by ICT Authority.	1 November 2021, 25 March 2022

Appendix III: NOFBI Project Phase II implementation Sites

No.	County	Sites	Site Type
1	Bomet	County Commissioner	Equipment
2	Bomet	KeRRA Office	Equipment
3	Bomet	County Governor	Equipment
4	Bomet	New Governor	Additional LAN Site
5	Bomet	Treasury	OFC Connection
6	Bomet	Prison	OFC Connection
7	Bungoma	Commissioner	Equipment
8	Bungoma	KNA	Equipment
9	Bungoma	Police Station	Equipment
10	Bungoma	Governor	OFC Connection
11	Bungoma	County Assembly A	Additional LAN Site
12	Bungoma	County Assembly B	OFC Connection
13	Busia	County Commissioner	Equipment
14	Busia	Education	Equipment
15	Busia	KNA	Equipment
16	Busia	Governor	OFC Connection
17	Chuka	County Commissioner/huduma	Equipment
18	Chuka	Education Office	Equipment
19	Chuka	Police Commander	Equipment
20	Chuka	Police Station B	Additional LAN Site
21	Chuka	Treasury	Additional LAN Site
22	Chuka	KNA	Additional LAN Site
23	Eldoret	County Commissioner	Equipment
24	Eldoret	KNA	Equipment
25	Eldoret	Public Works	Equipment
26	Eldoret	DCC(Kapsoya)	Additional LAN Site
27	Eldoret	Prisons	Additional LAN Site
28	Eldoret	Public Works, KeRRA, KeNHA	Additional LAN Site
29	Eldoret	Huduma	OFC Connection
30	Eldoret	Governor	OFC Connection
31	Embu	County Commissioner	Equipment
32	Embu	KNA/planning	Equipment
33	Embu	Main Prison	Equipment
34	Embu	Women Prison	OFC Connection
35	Embu	Regional Prison	OFC Connection
36	Embu	Governor	OFC Connection
37	Garissa	Commissioner	Equipment
38	Garissa	Assembly	Equipment

39	Garissa	Police Station	Equipment
40	Garissa	Prison	OFC Connection
41	Garissa	Hospital	OFC Connection
42	Garissa	Huduma	OFC Connection
43	Hola	KNA	Equipment
44	Hola	County Commissioner	Equipment
45	Hola	Prisons	Equipment
46	Hola	Police County Commander	Additional LAN Site
47	Hola	Assembly	OFC Connection
48	Hola	Governor	OFC Connection
49	Hola	CRD	OFC Connection
50	Homabay	County Commissioner	Equipment
51	Homabay	Prison	Equipment
52	Homabay	Homa Bay Ministry Of Land, Housing & Public Works	Equipment
53	Homabay	Governor's Office	OFC Connection
54	Homabay	Level 5 Hospital	OFC Connection
55	Homabay	ACT University	Additional LAN Site
56	Homabay	KNA	Additional LAN Site
57	Isiolo	County Commissioner	Equipment
58	Isiolo	KNA	Equipment
59	Isiolo	Hospital	Equipment
60	Isiolo	Trade	OFC Connection
61	Iten	County Commissioner	Equipment
62	Iten	Administration Hospital	Equipment
63	Iten	Public Works	Equipment
64	Iten	County Executive	OFC Connection
65	Iten	Assembly	OFC Connection
66	Kabarnet	County Commissioner	Equipment
67	Kabarnet	Governor	Equipment
68	Kabarnet	KNA	Equipment
69	Kabarnet	Afc/finance	Additional LAN Site
70	Kabarnet	Assembly	Additional LAN Site
71	Kabarnet	Huduma	OFC Connection
72	Kajiado	Land Registry/C.C.	Equipment
73	Kajiado	Probation	Equipment
74	Kajiado	Prisons	Equipment
75	Kajiado	County ICT	OFC Connection
76	Kajiado	Hospital	OFC Connection
77	Kajiado	Assembly	OFC Connection
78	Kajiado	Huduma	OFC Connection

79	Kakamega	Commissioner	Equipment
80	Kakamega	KNA	Equipment
81	Kakamega	Governor	Equipment
82	Kapenguria	Commissioner/KNA	Equipment
83	Kapenguria	Treasury/governor	Equipment
84	Kapenguria	County Assembly	Equipment
85	Kapsabet	County Commissioner/governor/KNA	Equipment
86	Kapsabet	Hospital	Equipment
87	Kapsabet	Police Station	Equipment
88	Kapsabet	Public Works	Additional LAN Site
89	Kapsabet	Agriculture	Additional LAN Site
90	Kapsabet	Assembly	OFC Connection
91	Kapsabet	Municipal Hall	Additional LAN Site
92	Kapsabet	Education	OFC Connection
93	Kericho	Commissioner	Equipment
94	Kericho	Hospital	Equipment
95	Kericho	KeRRA	Equipment
96	Kericho	Labour	Additional LAN Site
97	Kericho	Lands-registry	Additional LAN Site
98	Kericho	Governor	OFC Connection
99	Kericho	Huduma Centre	OFC Connection
100	Kerugoya	County Commissioner & KNA	Equipment
101	Kerugoya	County Assembly	Equipment
102	Kerugoya	Hospital 1	Equipment
103	Kerugoya	Hospital B	Additional LAN Site
104	Kerugoya	Police Station	Additional LAN Site
105	Kiambu	County Commissioner	Equipment
106	Kiambu	KNA Office Kiambu	Equipment
107	Kiambu	Kiambu Governor	Equipment
108	Kiambu	Registration	OFC Connection
109	Kiambu	Survey Office	OFC Connection
110	Kiambu	Land Office	OFC Connection
111	Kiambu	County Assembly	OFC Connection
112	Kiambu	Red Nova	OFC Connection
113	Kilifi	Treasury	Equipment
114	Kilifi	Police Hq	Equipment
115	Kilifi	KNA	Equipment
116	Kilifi	County Commissioner	OFC Connection
117	Kilifi	County Governor	OFC Connection
118	Kilifi	Hospital	OFC Connection
119	Kilifi	Deputy County Governor	OFC Connection

120	Kisii	County Commissioner	Equipment
121	Kisii	Lands Office	Equipment
122	Kisii	KNA	Equipment
123	Kisii	KeRRA	OFC Connection
124	Kisii	Huduma Centre	OFC Connection
125	Kisii	Governor	OFC Connection
126	Kisii	Ministry of Works	OFC Connection
127	Kisumu	Kisumu Governor1 Office	Equipment
128	Kisumu	Kisumu District Hospital	Equipment
129	Kisumu	Road Ministry & KeRRA	Equipment
130	Kisumu	Commissioner	Additional LAN Site
131	Kisumu	Governor Equipment Room (2ffloor-4ffloor)	OFC Connection
132	Kisumu	Huduma Centre	OFC Connection
133	Kitale	County Commissioner	Equipment
134	Kitale	Governor	Equipment
135	Kitale	Assembly	Equipment
136	Kitale	Procurement	Additional LAN Site
137	Kitui	County Commissioner	Equipment
138	Kitui	Ardhi House	Equipment
139	Kitui	Education	Equipment
140	Kitui	KNA	Additional LAN Site
141	Kitui	CRD	OFC Connection
142	Kitui	Data Centre	OFC Connection
143	Kitui	County Assembly	OFC Connection
144	Kitui	Huduma Centre	OFC Connection
145	Kwale	County Commissioner	Equipment
146	Kwale	KNA	Equipment
147	Kwale	NRB	Equipment
148	Kwale	Governor	OFC Connection
149	Lamu	Kenya Port Authority	Equipment
150	Lamu	County Assembly	Equipment
151	Lamu	District Hospital	Equipment
152	Lodwar	Commissioner/huduma	Equipment
153	Lodwar	KNA	Equipment
154	Lodwar	County Treasury/finance	Equipment
155	Lodwar	National Treasury	OFC Connection
156	Lodwar	Procurement Office	Additional LAN Site
157	Machakos	County Commissioner	Equipment
158	Machakos	KNA	Equipment
159	Machakos	Governor	Equipment
160	Machakos	DCC Office	Additional LAN Site

161	Machakos	Huduma Centre	OFC Connection
162	Mandera	County Commissioner	Equipment
163	Mandera	Governor	Equipment
164	Mandera	KNA	Equipment
165	Mandera	Assembly	OFC Connection
166	Mandera	Procurement	OFC Connection
167	Maralal	National Treasury/C.C.	Equipment
168	Maralal	County Treasury	Equipment
169	Maralal	Public Works	Equipment
170	Maralal	Agriculture	Additional LAN Site
171	Maralal	Assembly/governor	OFC Connection
172	Maralal	Huduma	OFC Connection
173	Marsabit	County Commissioner/KNA	Equipment
174	Marsabit	Referral Hospital	Equipment
175	Marsabit	Police Station	Equipment
176	Marsabit	Governor	OFC Connection
177	Meru	County Commissioner	Equipment
178	Meru	CID	Equipment
179	Meru	Meru Men Prison	Equipment
180	Meru	Women Prison	Additional LAN Site
181	Meru	County Assembly	OFC Connection
182	Meru	Kura	OFC Connection
183	Meru	Governor	OFC Connection
184	Meru	Huduma Centre	OFC Connection
185	Migori	County Commissioner & Survey, AP	Equipment
186	Migori	KNA	Equipment
187	Migori	Treasury	Equipment
188	Migori	Hospital	OFC Connection
189	Migori	KeRRA	OFC Connection
190	Migori	Huduma	OFC Connection
191	Mombasa	County Commissioner	Equipment
192	Mombasa	KBC (KNA)	Equipment
193	Mombasa	Bima House(CRD)	Equipment
194	Muranga	Governor	OFC Connection
195	Muranga	County Assembly	OFC Connection
196	Murang'a	County Commissioner	Equipment
197	Murang'a	KNA	Equipment
198	Murang'a	Ardhi House	Equipment
199	Nakuru	Commissioner	Equipment
200	Nakuru	Police (Central HQ	Equipment
201	Nakuru	Police (Regional)	Equipment

202	Nakuru	Governor	OFC Connection
203	Nakuru	Regional Co-ordinator	OFC Connection
204	Nakuru	Prisons	OFC Connection
205	Nakuru	KWS National Park	OFC Connection
206	Nakuru	KWS Central Hq	OFC Connection
207	Narok	County Commissioner	Equipment
208	Narok	KNA	Equipment
209	Narok	Hospital	Equipment
210	Narok	Huduma Centre	OFC Connection
211	Narok	County Governor	OFC Connection
212	Nyamira	County Commissioner	Equipment
213	Nyamira	Assembly A	Equipment
214	Nyamira	KNA & M.O.I.C.T	Equipment
215	Nyamira	KeRRA	OFC Connection
216	Nyamira	Assembly B	OFC Connection
217	Nyamira	NRB/AEO/probation/youth/trade/SCA	Additional LAN Site
218	Nyeri	County Commissioner	Equipment
219	Nyeri	Deputy Commissioner	Equipment
220	Nyeri	KeNHA	Equipment
221	Nyeri	Huduma Centre	OFC Connection
222	Olkalou	County Assembly/court/revenue	OFC Connection
223	Olkalou	Hospital B	Additional LAN Site
224	Olkalou	Education	OFC Connection
225	Olkalou	Public Works	OFC Connection
226	Olkalou	Huduma Centre	OFC Connection
227	Olkalou	New Governor	OFC Connection
228	Olkalou	County Commissioner Hq	Equipment
229	Olkalou	Public Service Board	Equipment
230	Olkalou	Hospital A	Equipment
231	Rumuruti	Commissioner	Equipment
232	Rumuruti	Veterinary	Equipment
233	Rumuruti	District Hospital	Equipment
234	Rumuruti	Nyahururu KNA	OFC Connection
235	Rumuruti	Ministry Of Health	Additional LAN Site
236	Rumuruti	Township	OFC Connection
237	Siaya	County Commissioner	Equipment
238	Siaya	Governor	Equipment
239	Siaya	KeRRA Offices	Equipment
240	Siaya	L5 Hospital	OFC Connection
241	Siaya	KNA	Additional LAN Site
242	Siaya	Assembly	OFC Connection

243	Siaya	CRD	OFC Connection
244	Siaya	Huduma Centre	OFC Connection
245	Vihiga	Commissioner	Equipment
246	Vihiga	Governor	Equipment
247	Vihiga	Water Department	Equipment
248	Vihiga	KNA	Additional LAN Site
249	Wajir	County Commissioners	Equipment
250	Wajir	Economic Planning	Equipment
251	Wajir	Afya House	Equipment
252	Wajir	Roads	Additional LAN Site
253	Wajir	Huduma Centre	OFC Connection
254	Wajir	County ICT	OFC Connection
255	Wajir	Trade	OFC Connection
256	Wote	County Commissioner	Equipment
257	Wote	County Governor Offices	Equipment
258	Wote	Wote Huduma Centre	Equipment
259	Wote	County Assembly	OFC Connection
260	Wote	KeRRA	OFC Connection
261	Wudanyi	Ministry Of Information And Communication(KNA)	Equipment
262	Wudanyi	G.K Prison	Equipment
263	Wudanyi	Deputy County Commissioner Office	Equipment
264	Wudanyi	Governor	OFC Connection
265	Wudanyi	Voi KNA	OFC Connection

Appendix IV: NOFBI Phase IIE Implementation Sites

No.	County	Sites	Site Type
1	Baringo	Mogotio DCC	Equipment
2	Baringo	Eldama Ravine Hospital	Equipment
3	Baringo	Baringo North (kabartonjo) DCC	Equipment
4	Baringo	Koibatek (eldama Ravine) DCC	Equipment
5	Bomet	Chepalungu (sigor) DCC	Equipment
6	Bomet	Sotik DCC	Equipment
7	Bomet	Bomet East (longisa) DCC	Equipment
8	Bomet	Konoin (mogogosiek) DCC	Equipment
9	Bomet	Bomet University	Equipment
10	Bungoma	Tongaren DCC	Equipment
11	Bungoma	Bungoma Central (chwele) DCC	Equipment
12	Bungoma	Bungoma West (sirisia) DCC	Equipment
13	Bungoma	Cheptais DCC	Equipment
14	Bungoma	Bungoma East (webuye) DCC	Equipment
15	Bungoma	Webuye West (matisi) DCC	Equipment
16	Bungoma	Bumula DCC	Equipment
17	Bungoma	Kimilili DCC	Equipment
18	Bungoma	Mount Elgon (kapsokwony) DCC	Equipment
19	Bungoma	Bungoma North(mukuyuni) DCC	Equipment
20	Bungoma	Cheptais Hospital	Equipment
21	Busia	Bunyala(budalangi) DCC	Equipment
22	Busia	Samia(funyula) DCC	Equipment
23	Busia	Butula DCC	Equipment
24	Busia	Nambale DCC	Equipment
25	Busia	Teso South(amukura) DCC	Equipment
26	Busia	Teso North (amagoro) (old)	Equipment
27	Elgeyo Marakwet	Marakwet West (Kapsowar) DCC	Equipment
28	Elgeyo Marakwet	Marakwet East (Chesoi) DCC	Equipment
29	Elgeyo Marakwet	Keiyo South (Chepkorio) DCC	Equipment
30	Embu	Embu Hospital	Equipment

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31	Embu	Runyenjes DCC	Equipment
32	Embu	Manyatta DCC	Equipment
33	Embu	Siakago DCC	Equipment
34	Embu	Kiritiri DCC	Equipment
35	Embu	Manyatta Kigari Teachers College	Equipment
36	Embu	Mavuria Ng-CDF Office Kiritiri	Equipment
37	Garissa	Ijara (masalani) DCC	Equipment
38	Garissa	Dadaab DCC	Equipment
39	Homa Bay	Rachuonyo East(kadongo)DCC	Equipment
40	Homa Bay	Rangwe DCC	Equipment
41	Homa Bay	Rachuonyo North(kendu Bay)	Equipment
42	Homa Bay	Rachuonyo South(kosele) DCC	Equipment
43	Homa Bay	Ndhiwa(ndhiwa) New DCC	Equipment
44	Homa Bay	New Mbita(mbita)DCC	Equipment
45	Isiolo	Police County/div Head Quarter	Equipment
46	Isiolo	Garbatula DCC	Equipment
47	Kajiado	Ngong DCC	Equipment
48	Kajiado	Isinya DCC	Equipment
49	Kakamega	Kakamega North(malava) DCC	Equipment
50	Kakamega	Kmg02 Matete DCC	Equipment
51	Kakamega	Lugari (Lumakanda) DCC	Equipment
52	Kakamega	Likuyani(Kongoni) DCC	Equipment
53	Kakamega	Matungu DCC	Equipment
54	Kakamega	Mumias DCC	Equipment
55	Kakamega	Mumias East(Shianda) DCC	Equipment
56	Kakamega	Butere DCC	Equipment
57	Kakamega	Khwisero DCC	Equipment
58	Kakamega	Kakamega South(Malinya) DCC	Equipment
59	Kakamega	Kakamega East(Shinyalu) DCC	Equipment
60	Kakamega	Navakholo DCC	Equipment
61	Kakamega	Khwisero Bukura Agricultural College	Equipment
62	Kericho	Bureti (litein) DCC	Equipment
63	Kericho	Belgut (sosoit) DCC	Equipment
64	Kericho	Kipkelion DCC	Equipment

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65	Kericho	Londiani DCC	Equipment
66	Kericho	Litein Hosptial	Equipment
67	Kiambu	Wangige Kabete DCC	Equipment
68	Kiambu	Ruiru Prison& Training School	Equipment
69	Kiambu	Thika East DCC	Equipment
70	Kiambu	Kamwangi DCC	Equipment
71	Kiambu	Gatundu DCC	Equipment
72	Kiambu	Githunguri DCC	Equipment
73	Kiambu	Lari DCC	Equipment
74	Kiambu	Ruiru DCC	Equipment
75	Kiambu	Kiambaa DCC	Equipment
76	Kiambu	Thika West (Thika) DCC	Equipment
77	Kiambu	Limuru DCC	Equipment
78	Kiambu	Kikuyu DCC	Equipment
79	Kiambu	Kiambu Cc New Block	Equipment
80	Kilifi	Rabai DCC	Equipment
81	Kilifi	Malindi DCC	Equipment
82	Kilifi	Magarini Health Centre	Equipment
83	Kilifi	Magarini DCC (Marafa)	Equipment
84	Kilifi	Kaloleni DCC	Equipment
85	Kilifi	Ganze DCC	Equipment
86	Kilifi	Chonyi DCC	Equipment
87	Kirinyaga	Baricho DCC	Equipment
88	Kirinyaga	Kianyaga Gichugu DCC	Equipment
89	Kirinyaga	Kirinyaga Governor(Kutus) DCC	Equipment
90	Kirinyaga	Ahiti Ndomba School	Equipment
91	Kirinyaga	Wanguru DCC	Equipment
92	Kirinyaga	Kandongu DCC	Equipment
93	Kisii	Masaba South (Masimba) DCC	Equipment
94	Kisii	Nyamache DCC	Equipment
95	Kisii	Kenyeny DCC	Equipment
96	Kisii	Sameta(itumbe) DCC	Equipment
97	Kisii	Gucha(ogembo) DCC	Equipment
98	Kisii	Gucha South (nyamarambe) DCC	Equipment

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99	Kisii	Kitutu Central(nyanchwa) DCC	Equipment
100	Kisii	Kisii South(kerina) DCC	Equipment
101	Kisii	Masaba Sub County Hospital	Equipment
102	Kisii	Kitutu Chache North(marani) DCC	Equipment
103	Kisumu	Kisumu West(ojolla) DCC	Equipment
104	Kisumu	Seme (kombewa) DCC	Equipment
105	Kisumu	Nyando (awasi) DCC	Equipment
106	Kisumu	Nyakach(pap Onditi) DCC	Equipment
107	Kisumu	Thurdiuoro Secondary School	Equipment
108	Kisumu	Mbugra Secondary School	Equipment
109	Kisumu	Rachier Primary School	Equipment
110	Kisumu	Muhoroni(chemelil) DCC	Equipment
111	Kisumu	Kisumu East (kassagam) DCC	Equipment
112	Kisumu	Kisumu Central DCC	Equipment
113	Kitui	Matinyani DCC	Equipment
114	Kitui	Katulani DCC	Equipment
115	Kitui	Nzambani Hq(chuluni) DCC	Equipment
116	Kitui	Kitui West Sub-county DCC	Equipment
117	Kitui	Lower Yatta(kyusyani)DCC	Equipment
118	Kitui	Mwingi Central (mwingi) DCC	Equipment
119	Kitui	Mwingi East(mathuki) DCC	Equipment
120	Kitui	Mwingi West(migwani) DCC	Equipment
121	Kitui	Mwingi East (mathuki) Hospital	Equipment
122	Kwale	Lungalunga DCC	Equipment
123	Kwale	Msambweni DCC	Equipment
124	Kwale	Matuga DCC	Equipment
125	Kwale	Kinango DCC	Equipment
126	Laikipia	Laikipia East(nanyuki) DCC	Equipment
127	Laikipia	Laikipia Central(lamura) DCC	Equipment
128	Laikipia	Nyahururu DCC(new)	Equipment
129	Lamu	Lapsset	Equipment
130	Lamu	Lamu West (mpeketoni) DCC	Equipment
131	Machakos Plus	Muthesya Education	Equipment
132	Machakos Plus	Manyanza Acc	Equipment

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133	Machakos Plus	Administration Police Post	Equipment
134	Machakos	Athi River DCC	Equipment
135	Machakos	Mwala DCC	Equipment
136	Machakos	Masinga DCC	Equipment
137	Machakos	Kathiani DCC	Equipment
138	Machakos	Yatta Kithimani DCC	Equipment
139	Machakos	Matungulu DCC	Equipment
140	Machakos	Kangundo DCC	Equipment
141	Machakos	Masii Acc2	Equipment
142	Machakos	Kalama DCC	Equipment
143	Machakos	Machakos L5 Hospital	Equipment
144	Machakos	Machakos DCC	Equipment
145	Makueni	Mukaa DCC(education)	Equipment
146	Makueni	Kilungu DCC	Equipment
147	Makueni	Mbooni West (kikima) DCC	Equipment
148	Makueni	Nzaui DCC	Equipment
149	Makueni	Kathonzweni DCC	Equipment
150	Makueni	Mbooni East DCC	Equipment
151	Makueni	Makindu DCC	Equipment
152	Makueni	Kibwezi DCC	Equipment
153	Mandera	Mandera Central (elwak) DCC	Equipment
154	Mandera	Mandera West (takaba) DCC	Equipment
155	Mandera	Mandera West Takaba Sub County Hospital	Equipment
156	Mandera	Mandera North (rhamu) DCC	Equipment
157	Marsabit	Turbi Police Station	Equipment
158	Marsabit	Sololo DCC	Equipment
159	Marsabit	Marsabit South (laisamis) DCC	Equipment
160	Marsabit	Moyale DCC	Equipment
161	Meru	Tigania Central(mikinduri) DCC	Equipment
162	Meru	Kianjogu Secondary School	Equipment
163	Meru	Kinoro Acc	Equipment
164	Meru	Buuri West (timau) DCC	Equipment
165	Meru	Imenti South DCC	Equipment

166	Meru	Imenti Central DCC	Equipment
167	Meru	Tigania West DCC	Equipment
168	Meru	Tigania East(muriri) DCC	Equipment
169	Meru	Igembe Central DCC	Equipment
170	Meru	Igembe South DCC	Equipment
171	Meru	Igembe North DCC	Equipment
172	Meru	Mikumbune Hospital	Equipment
173	Meru	Murungurune Health Centre	Equipment
174	Meru	Kinoro Hospital	Equipment
175	Meru	Ndagene Secondary School	Equipment
176	Meru	Churu Police Post	Equipment
177	Meru	Abogeta West Acc	Equipment
178	Meru	Kimitu Prison	Equipment
179	Migori	Rongo DCC	Equipment
180	Migori	Uriri(uriri) DCC	Equipment
181	Migori	Nyatike(macalder) DCC	Equipment
182	Migori	Kuria-east (kegonga) DCC	Equipment
183	Migori	Kuria West (kehancha) DCC	Equipment
184	Migori	Suna West(bondo Nyironge) DCC	Equipment
185	Migori	Awendo (awendo) DCC	Equipment
186	Mombasa	Jomvu DCC	Equipment
187	Mombasa	Likoni Acc	Equipment
188	Mombasa	Kisauni DCC	Equipment
189	Mombasa	Changamwe DCC	Equipment
190	Murang'a	Gatanga DCC	Equipment
191	Murang'a	Kandara DCC	Equipment
192	Murang'a	Kigumo DCC	Equipment
193	Murang'a	Kangema DCC	Equipment
194	Murang'a	Kahuro DCC	Equipment
195	Murang'a	Murang'a South (kenol) DCC	Equipment
196	Murang'a	Kandara Level 4 Hospital	Equipment
197	Murang'a	Kiriani DCC	Equipment
198	Nakuru	Naivasha DCC	Equipment
199	Nakuru	Gilgil DCC	Equipment

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200	Nakuru	Nakuru North DCC(bahati)	Equipment
201	Nakuru	Nakuru West DCC (kapkures)	Equipment
202	Nakuru	Njoro DCC	Equipment
203	Nakuru	Rongai DCC	Equipment
204	Nakuru	Kuresoi North DCC	Equipment
205	Nakuru	Subukia DCC	Equipment
206	Nakuru	Naivasha Karlo	Equipment
207	Nakuru	Molo	Equipment
208	Nakuru	Kuresoi South DCC	Equipment
209	Nakuru	Naivasha Level 5 Hospital	Equipment
210	Nandi	Nandi North DCC (kabiyet)	Equipment
211	Nandi	Nandi South (kobujoi)DCC	Equipment
212	Nandi	Chesumei DCC (chemundu)	Equipment
213	Nandi	Nandi East DCC (nandi Hills)	Equipment
214	Nandi	Tinderet(maraba) DCC	Equipment
215	Nandi	Nandi East Nandi Hills Hospital	Equipment
216	Narok	Trans Mara West (kilgoris) DCC	Equipment
217	Narok	Trans Mara East (dikirr) DCC	Equipment
218	Narok	Narok West (lemek) DCC	Equipment
219	Narok	Narok East (nairagie Enkare) DCC	Equipment
220	Narok	Narok Cc New Building	Equipment
221	Narok	Narok South (ololulunga) DCC	Equipment
222	Nyamira	Borabu DCC (nyansiongo)	Equipment
223	Nyamira	Masaba North(keroka) DCC	Equipment
224	Nyamira	Manga DCC	Equipment
225	Nyamira	Ekerenyo DCC	Equipment
226	Nyandarua	Kinangop (engineer) DCC	Equipment
227	Nyandarua	Nyandarua South (njambini) DCC	Equipment
228	Nyandarua	Kipipiri (miharati) DCC	Equipment
229	Nyandarua	Aberdare (ndaragua) DCC	Equipment
230	Nyandarua	Nyandarua West (oljoro Orok) DCC	Equipment
231	Nyandarua	Mirangine DCC	Equipment
232	Nyandarua	Nyandarua North (nyahururu) DCC	Equipment
233	Nyeri	Kiganjo Police College	Equipment

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234	Nyeri	Kieni East (naru Moru) DCC	Equipment
235	Nyeri	Kenya Police Provincial Hq	Equipment
236	Nyeri	Mathira West (kayaba) DCC	Equipment
237	Nyeri	Wamagana DCC	Equipment
238	Nyeri	Othaya DCC	Equipment
239	Nyeri	Mukurne-ini DCC	Equipment
240	Nyeri	Mweiga DCC	Equipment
241	Nyeri	Karatina DCC	Equipment
242	Samburu	Samburu West Cdf Office	Equipment
243	Samburu	Samburu North (baragoi) DCC	Equipment
244	Samburu	Samburu East (wamba) DCC(old)	Equipment
245	Samburu	Maralal National Drought Management Authority	Equipment
246	Samburu	County Government New Office	Equipment
247	Siaya	Ugenya(ukwala) DCC	Equipment
248	Siaya	Gem (sawagongo) DCC	Equipment
249	Siaya	Rarieda (aram) DCC	Equipment
250	Siaya	Bondo Treasury	Equipment
251	Siaya	Ugunja DCC	Equipment
252	Taita Taveta	Taveta DCC	Equipment
253	Taita Taveta	Voi DCC	Equipment
254	Taita Taveta	Taita Taveta (mwatate) Cc	Equipment
255	Taita Taveta	KeNHA (kenya National Highway Authority)	Equipment
256	Tana River	Tana North (bura) DCC	Equipment
257	Tana River	Tana Delta (garsen) DCC	Equipment
258	Tana River	Ngao Hospital	Equipment
259	Tharaka Nithi	Maara DCC	Equipment
260	Tharaka Nithi	Marimanti DCC	Equipment
261	Tharaka Nithi	Kathwana DCC	Equipment
262	Tharaka Nithi	Gatunga DCC	Equipment
263	Tharaka Nithi	Kenya Water Institute(kewi)	Equipment
264	Trans Nzoia	Trans Nzoia East(kachibora) DCC	Equipment
265	Trans Nzoia	Endebess DCC	Equipment
266	Trans Nzoia	Kwanza DCC	Equipment

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267	Trans Nzoia	Kiminini DCC	Equipment
268	Trans Nzoia	Kitale Procument	Equipment
269	Trans Nzoia	Adc Semen Production Centre	Equipment
270	Turkana	Turkana South (lokichar) DCC	Equipment
271	Turkana	Kainuk Police Station	Equipment
272	Uasin Gishu	Moiben DCC	Equipment
273	Uasin Gishu	Soy(ziwa) DCC	Equipment
274	Uasin Gishu	Kesses DCC	Equipment
275	Uasin Gishu	Kapseret DCC	Equipment
276	Uasin Gishu	Ainabkoi (kapsoya) DCC	Equipment
277	Uasin Gishu	Eldoret Prisons	Equipment
278	Vihiga	Hamisi DCC	Equipment
279	Vihiga	Luanda DCC	Equipment
280	Vihiga	Sabatia DCC	Equipment
281	Vihiga	Luanda Sub County Hospital	Equipment
282	Vihiga	Emuhaya DCC	Equipment
283	Wajir	Wagala Patrol Base	Equipment
284	Wajir	Wajir West (griftu) DCC	Equipment
285	Wajir	Wajir South (leheley) DCC	Equipment
286	Wajir	Wajir North (bute) DCC	Equipment
287	Wajir	Tarbaj DCC	Equipment
288	Wajir	Eldas DCC	Equipment
289	Wajir	Habaswein DCC	Equipment
290	West Pokot	Kipkomo (chepareria) DCC	Equipment
291	Lamu	Milhoi Telkom	Equipment
292	Kwale	Diani Telkom	Equipment
293	Nairobi	Communications Authority	Equipment
294	Eldoret	Eldoret Airport	Equipment
295	Nairobi	JKIA	Equipment
296	Kisumu	Kisumu Airport	Equipment
297	Kilifi	Malindi Airport	Equipment
298	Mombasa	Mombasa Airport	Equipment
299	Ukunda	Ukunda Airport	Equipment
300	Nairobi	Wilson Airport	Equipment

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301	Nairobi	Police Airwing	Equipment
302	Nairobi	GPO	Equipment
303	Lamu	Lamu County Commissioner	Equipment
304	Baringo	Kabarnet AFC Finance	ODF Cabinet And Unit
305	Baringo	Eldama Ravine CRD	ODF Cabinet And Unit
306	Baringo	Baringo Sub County Hospital	ODF Cabinet And Unit
307	Bomet	Longisa Hospital	ODF Cabinet And Unit
308	Bomet	Sotik Police	ODF Cabinet And Unit
309	Bomet	Sigor Chepalungu Hospital	ODF Cabinet And Unit
310	Bomet	Mogogosiek Hospital	ODF Cabinet And Unit
311	Bomet	Bomet KeRRA ODF	ODF Cabinet And Unit
312	Bungoma	Bungoma Governor	ODF Cabinet And Unit
313	Bungoma	Bungoma County Assembly A	ODF Cabinet And Unit
314	Bungoma	Webuye Hospital	ODF Cabinet And Unit
315	Bungoma	Kimilili Hospital	ODF Cabinet And Unit
316	Bungoma	Chwele Hospital	ODF Cabinet And Unit
317	Bungoma	Sirisia Hospital	ODF Cabinet And Unit
318	Busia	Amukura Health Centre	ODF Cabinet And Unit
319	Busia	Nambale Sub County Hospital	ODF Cabinet And Unit
320	Busia	Amagoro Police Station	ODF Cabinet And Unit
321	Busia	Butula Planning	ODF Cabinet And Unit
322	Busia	Funyula Acc & Do & Health	ODF Cabinet And Unit
323	Busia	Busia KRA	ODF Cabinet And Unit
324	Busia	Teso North (Amagoro) (old) DCC	ODF Cabinet And Unit
325	Elgeyo Marakwet	Iten Executive	ODF Cabinet And Unit
326	Embu	Runyenjes Hospital	ODF Cabinet And Unit
327	Embu	Siakago Lever4 Hospital	ODF Cabinet And Unit
328	Embu	Kiritiri Hospital	ODF Cabinet And Unit
329	Embu	Embu Telkom	ODF Cabinet And Unit
330	Embu	Embu Regional Prison	ODF Cabinet And Unit
331	Homa Bay	Kadongo Sub County Hospital	ODF Cabinet And Unit
332	Homabay	Homabay Governor	ODF Cabinet And Unit
333	Isiolo	Garbatula Sub County Hospital	ODF Cabinet And Unit

334	Isiolo	Isiolo Prisons	ODF Cabinet And Unit
335	Isiolo	Isiolo Trade	ODF Cabinet And Unit
336	Kajiado	Ngong Kws	ODF Cabinet And Unit
337	Kajiado	Ngong Hospital	ODF Cabinet And Unit
338	Kajiado	Ngong Assistant Commissioner 1 County	ODF Cabinet And Unit
339	Kakamega	Malava District Hospital	ODF Cabinet And Unit
340	Kakamega	Shinyalu Hospital	ODF Cabinet And Unit
341	Kakamega	Malinya Hospital	ODF Cabinet And Unit
342	Kakamega	Matungu Sub-district Hospital	ODF Cabinet And Unit
343	Kakamega	Shianda Hospital	ODF Cabinet And Unit
344	Kakamega	Matete Health Centre	ODF Cabinet And Unit
345	Kakamega	Navakholo OCPD	ODF Cabinet And Unit
346	Kakamega	Mumias Police Station	ODF Cabinet And Unit
347	Kakamega	Lumakanda Sub County Hospital	ODF Cabinet And Unit
348	Kakamega	Irechelo Primary School	ODF Cabinet And Unit
349	Kakamega	Butere District Hospital	ODF Cabinet And Unit
350	Kakamega	Kakamega County Assembly	ODF Cabinet And Unit
351	Kericho	Londiani Police	ODF Cabinet And Unit
352	Kericho	Sosiot Health Centre	ODF Cabinet And Unit
353	Kericho	Kipkelion Education	ODF Cabinet And Unit
354	Kiambu	Kiambaa Hospital	ODF Cabinet And Unit
355	Kiambu	Limuru CRD	ODF Cabinet And Unit
356	Kiambu	Ruiru Treasury&fire	ODF Cabinet And Unit
357	Kiambu	Kamwangi Nrb	ODF Cabinet And Unit
358	Kiambu	Lari County Finance	ODF Cabinet And Unit
359	Kiambu	Kabete Wangige Hosital	ODF Cabinet And Unit
360	Kiambu	Kikuyu Old DCC	ODF Cabinet And Unit
361	Kiambu	Thika Ministry Of Education	ODF Cabinet And Unit
362	Kiambu	Gatundu Sub-county Hospital L5	ODF Cabinet And Unit
363	Kilifi	Malindi Airport	ODF Cabinet And Unit
364	Kilifi	Magarini Health Centre	ODF Cabinet And Unit
365	Kilifi	Ganze Sub County Nrb	ODF Cabinet And Unit
366	Kilifi	Kilifi Deputy County Governor	ODF Cabinet And Unit

367	Kirinyaga	Baricho Health Centre	ODF Cabinet And Unit
368	Kirinyaga	Kandongu Health Centre	ODF Cabinet And Unit
369	Kirinyaga	Kianyaga Sub-county Hospital	ODF Cabinet And Unit
370	Kirinyaga	Kerugoya Telkom	ODF Cabinet And Unit
371	Kisii	Nyamarambe Nduru Sub County Hospital	ODF Cabinet And Unit
372	Kisii	Ogembo Sub County Hospital	ODF Cabinet And Unit
373	Kisii	Gucha(ogembo) Police Divisional Hq	ODF Cabinet And Unit
374	Kisii	Marani Sub County Hospital	ODF Cabinet And Unit
375	Kisii	Itumbe Police Divisional Hq	ODF Cabinet And Unit
376	Kisii	Nyamache KMTTC	ODF Cabinet And Unit
377	Kisii	Kenya Sub County Hospital	ODF Cabinet And Unit
378	Kisii	Kenya Police Station	ODF Cabinet And Unit
379	Kisii	Kisii M.O.W.	ODF Cabinet And Unit
380	Kisumu	Ojolla Chulaimbo Sub County Hospital	ODF Cabinet And Unit
381	Kisumu	Kombewa Seme Sub County Hospital	ODF Cabinet And Unit
382	Kisumu	Pap Onditi Nyakach Sub County Hospital	ODF Cabinet And Unit
383	Kisumu	Chemelil Muhoroni Sub County Hospital	ODF Cabinet And Unit
384	Kitui	Matinyani Hospital	ODF Cabinet And Unit
385	Kitui	Kabati Police Station	ODF Cabinet And Unit
386	Kitui	Kyusyani Hospital	ODF Cabinet And Unit
387	Kitui	Chuluni Health Centre	ODF Cabinet And Unit
388	Kitui	Mwingi CRD	ODF Cabinet And Unit
389	Kitui	Mathuki Health Centre	ODF Cabinet And Unit
390	Kitui	Migwani Hospital	ODF Cabinet And Unit
391	Kitui	Kitui County Assembly	ODF Cabinet And Unit
392	Kwale	Lungalunga Sub County Hospital	ODF Cabinet And Unit
393	Kwale	Ukunda Airport	ODF Cabinet And Unit
394	Kwale	Msambweni Sub County Probation Children	ODF Cabinet And Unit
395	Kwale	Kenya School Of Government(matuga)	ODF Cabinet And Unit
396	Kwale	Kwale Governor	ODF Cabinet And Unit
397	Laikipia	Nyahururu Referral Hospital	ODF Cabinet And Unit

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398	Laikipia	Lamuria Hospital	ODF Cabinet And Unit
399	Laikipia	Nanyuki Teaching Referral Hospital	ODF Cabinet And Unit
400	Lamu	Mpeketoni Hospital	ODF Cabinet And Unit
401	Lamu	Bargoni Nys/police	ODF Cabinet And Unit
402	Lamu	Mokowe Public Works	ODF Cabinet And Unit
403	Machakos	Kangundo Hospital	ODF Cabinet And Unit
404	Machakos	Kithimani Treasury	ODF Cabinet And Unit
405	Machakos	Yatta Police Station	ODF Cabinet And Unit
406	Machakos	Masinga Sub County Admin	ODF Cabinet And Unit
407	Machakos	Athi River Hospital	ODF Cabinet And Unit
408	Machakos	Kathiani Hospital	ODF Cabinet And Unit
409	Machakos	Masii Acc1	ODF Cabinet And Unit
410	Makueni	Makindu Hospital	ODF Cabinet And Unit
411	Makueni	Kathonzweni Police Station	ODF Cabinet And Unit
412	Makueni	Kibwezi Hospital	ODF Cabinet And Unit
413	Makueni	Nunguni Hospital	ODF Cabinet And Unit
414	Makueni	Mukaa(yoani) DCC	ODF Cabinet And Unit
415	Makueni	Kikima Hospital	ODF Cabinet And Unit
416	Makueni	Matiriku Hospital	ODF Cabinet And Unit
417	Makueni	Wote KeRRA	ODF Cabinet And Unit
418	Mandera	Elwak Sub County Hospital	ODF Cabinet And Unit
419	Mandera	Rhamu Sub County Hospital	ODF Cabinet And Unit
420	Mandera	Mandera Huduma Centre	ODF Cabinet And Unit
421	Marsabit	Laisamis Sub County Administrator	ODF Cabinet And Unit
422	Marsabit	Moyale O.c.p.d	ODF Cabinet And Unit
423	Marsabit	Moyale Police Divisional Hq	ODF Cabinet And Unit
424	Meru	Meru Level 5 Hosiptal	ODF Cabinet And Unit
425	Meru	Amatu Secondary School	ODF Cabinet And Unit
426	Meru	Miathene Hospital	ODF Cabinet And Unit
427	Meru	Ithimbari Health Centre	ODF Cabinet And Unit
428	Meru	Kalro Marimba Farm(ODF Site)	ODF Cabinet And Unit
429	Meru	Giuti Assistant Chief	ODF Cabinet And Unit
430	Migori	Awendo Youth Centre	ODF Cabinet And Unit
431	Migori	Uriri Sub County Hospital	ODF Cabinet And Unit

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432	Migori	Rongo Sub County Hospital	ODF Cabinet And Unit
433	Migori	Rongo Police Divisional Hq	ODF Cabinet And Unit
434	Murang'a	Kiriani Cdf	ODF Cabinet And Unit
435	Murang'a	Kangema CRD	ODF Cabinet And Unit
436	Murang'a	Kahuro Muriranja Level 4 Hospital	ODF Cabinet And Unit
437	Murang'a	Kigumo Probation/CRD	ODF Cabinet And Unit
438	Murang'a	Gatanga Police Station	ODF Cabinet And Unit
439	Murang'a	Kenol Adult Education/education/tsc	ODF Cabinet And Unit
440	Murang'a	Murang'a Telkom	ODF Cabinet And Unit
441	Nakuru	Kapkures Education	ODF Cabinet And Unit
442	Nakuru	Njoro Police Divisional Hq	ODF Cabinet And Unit
443	Nakuru	Molo South Sub-county Hospital	ODF Cabinet And Unit
444	Nakuru	Keringet Sub County Hospital	ODF Cabinet And Unit
445	Nakuru	Sirikwa Health Centre	ODF Cabinet And Unit
446	Nakuru	Gilgil Sub-county Hospital	ODF Cabinet And Unit
447	Nakuru	Subukia Hospital Admin Block	ODF Cabinet And Unit
448	Nakuru	Nakuru Kws National Park	ODF Cabinet And Unit
449	Nakuru	Nakuru Kws Central Hq	ODF Cabinet And Unit
450	Nandi	Kabiyet Hospital	ODF Cabinet And Unit
451	Nandi	Chemundu Vtc	ODF Cabinet And Unit
452	Nandi	Maraba Tinderet Hospital	ODF Cabinet And Unit
453	Nandi	Kobujoi Police	ODF Cabinet And Unit
454	Nandi	Kapsabet Municipal Hall	ODF Cabinet And Unit
455	Narok	Ololulunga Sub County District Hospital	ODF Cabinet And Unit
456	Narok	Ololulunga CDF&police	ODF Cabinet And Unit
457	Narok	Narok County Governor	ODF Cabinet And Unit
458	Nyamira	Sironga Girls High School	ODF Cabinet And Unit
459	Nyamira	Manga District Hospital	ODF Cabinet And Unit
460	Nyamira	Keroka Police Station	ODF Cabinet And Unit
461	Nyamira	Nyamira Assembly B	ODF Cabinet And Unit
462	Nyandarua	Ndaragua Health Centre	ODF Cabinet And Unit
463	Nyandarua	Nyahururu Police Station	ODF Cabinet And Unit
464	Nyandarua	Njabini Health Centre	ODF Cabinet And Unit

465	Nyandarua	Enginner Hospital	ODF Cabinet And Unit
466	Nyandarua	Miharati Namunga Health Centre	ODF Cabinet And Unit
467	Nyandarua	Oljoro Orok Police Station (new)	ODF Cabinet And Unit
468	Nyandarua	Mirangine Energy Centre	ODF Cabinet And Unit
469	Nyandarua	Nyandarua KNA Office	ODF Cabinet And Unit
470	Nyeri	Othaya Police Station	ODF Cabinet And Unit
471	Nyeri	Kayaba Sub County Administrator	ODF Cabinet And Unit
472	Nyeri	Sagana Li-bts 1	ODF Cabinet And Unit
473	Nyeri	Sagana Li-bts 2	ODF Cabinet And Unit
474	Nyeri	Sagana Li-bts 3	ODF Cabinet And Unit
475	Nyeri	Sagana Lii-bts	ODF Cabinet And Unit
476	Nyeri	Nyeri Telkom	ODF Cabinet And Unit
477	Nyeri	Sagana 1	ODF Cabinet And Unit
478	Nyeri	Nyeri Huduma Centre	ODF Cabinet And Unit
479	Nyeri	Mukurwe-ini Sub-county Hospital	ODF Cabinet And Unit
480	Samburu	Samburu East(wamba) New DCC	ODF Cabinet And Unit
481	Samburu	Maralal Hospital	ODF Cabinet And Unit
482	Samburu	Maralal Kws	ODF Cabinet And Unit
483	Siaya	Bondo Old DCC	ODF Cabinet And Unit
484	Siaya	Arama Police Divisional Hq	ODF Cabinet And Unit
485	Siaya	Siaya Assembly	ODF Cabinet And Unit
486	Taita Taveta	Taveta KRA	ODF Cabinet And Unit
487	Taita Taveta	Voi Sub County KMTCC	ODF Cabinet And Unit
488	Taita Taveta	County Government-mwatate	ODF Cabinet And Unit
489	Taita Taveta	Taita Taveta(wundanyi) County Agriculture	ODF Cabinet And Unit
490	Taita Taveta	Taita Taveta(wundanyi) County Assembly	ODF Cabinet And Unit
491	Taita Taveta	Voi Kna	ODF Cabinet And Unit
492	Tana River	Garsen CRD & public Works	ODF Cabinet And Unit
493	Tharaka Nithi	Kathwana Mitunguu Technical Institute	ODF Cabinet And Unit
494	Tharaka Nithi	Marimanti L3 Hospital	ODF Cabinet And Unit
495	Tharaka Nithi	Mitunguu Health Centre	ODF Cabinet And Unit
496	Tharaka Nithi	Mitunguu Energy Resource Centre	ODF Cabinet And Unit

497	Tharaka Nithi	Chuka County Treasury	ODF Cabinet And Unit
498	Trans Nzoia	Kitale Women Prison	ODF Cabinet And Unit
499	Trans Nzoia	Kitale Men Prison	ODF Cabinet And Unit
500	Trans Nzoia	Kitale Annex Prison	ODF Cabinet And Unit
501	Trans Nzoia	Endebess Hospital	ODF Cabinet And Unit
502	Uasin Gishu	Eldoret International Airport	ODF Cabinet And Unit
503	Uasin Gishu	Kesses Hospital	ODF Cabinet And Unit
504	Uasin Gishu	Ziwa Hospital	ODF Cabinet And Unit
505	Uasin Gishu	Moiben (temporary Place) DCC	ODF Cabinet And Unit
506	Uasin Gishu	Mu Technologies Digital Assembly Plant	ODF Cabinet And Unit
507	Uasin Gishu	Moi University Rivatex	ODF Cabinet And Unit
508	Vihiga	Emuhaya Health Centre	ODF Cabinet And Unit
509	Vihiga	Hamisi Sub County Hospital	ODF Cabinet And Unit
510	Wajir	Wagala Dispensary	ODF Cabinet And Unit
511	Wajir	Buna(old) DCC	ODF Cabinet And Unit
512	Wajir	Chief Office	ODF Cabinet And Unit
513	Wajir	Tulatula Dispensary	ODF Cabinet And Unit
514	Wajir	Malkagufu Ward Administrator	ODF Cabinet And Unit
515	Wajir	Habaswein CRD	ODF Cabinet And Unit
516	Wajir	Eldas Sub County Hospital	ODF Cabinet And Unit
517	Wajir	Bute Police Divisional Hq	ODF Cabinet And Unit
518	Wajir	Bute Sub County Hospital	ODF Cabinet And Unit

Appendix V: Summary of Audit Findings on NOFBI Phase I (Telkom (K) Ltd.)

Implementation Sites as at February 2022

No.	County	Sites	Description	Phase	Delivery	Status as at time of audit
1	Kisumu	TKL Kisumu	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	In use
2	Kisii	TKL Kisii	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	In use
3	Nyeri	TKL Nyeri	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	In use
4	Isiolo	TKL Isiolo	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	In use
5	Meru	TKL Meru	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	In use
6	Embu	TKL Embu	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	In use
7	Nakuru	TKL Nakuru	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	In use
8	Muranga	TKL Muranga	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	In use
9	Mombasa	TKL Mombasa	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	In use
10	Kilifi	TKL Malindi	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	In use

11	Kitui	TKL Kitui	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	In use
12	Bomet	TKL Bomet	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	In use
13	Laikipia	TKL Nayhururu	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	In use
14	Laikipia	TKL Nanyuki	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	In use
15	Kwale	TKL Kwale	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	In use
16	Kakamega	TKL Kakamega	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	Not functional
17	Kericho	TKL Kericho	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	Not functional
18	Busia	TKL Busia	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	Not functional
19	Uasin Gishu	TKL Uasin Gishu	Termination of Optic Fibre and installation of Transmission equipment	Phase I	Yes	Not functional

Appendix VI: Summary of Audit Findings on NOFBI Phase II Implementation Sites as at February 2022

No.	County	Sites	Description	Serial Number	Quantity	Delivery	Status as at time of audit in February 2022
1	Uasin Gishu	Telkom	Transmission	OSN 6800	1	Yes	In use
	Uasin Gishu	Telkom	Transmission	OSN 3500	1	Yes	in use
2	Uasin Gishu	County Commissioner	Rack	ZPX321	1	Yes	In use
	Uasin Gishu	County Commissioner	Router	NE40E-X8	2	Yes	In use
	Uasin Gishu	County Commissioner	Switch	S9700	2	Yes	In use
	Uasin Gishu	County Commissioner	Switch	S5700	1	Yes	In use
	Uasin Gishu	County Commissioner	Firewall	Eudemon 1000E	2	Yes	In use
	Uasin Gishu	County Commissioner	Power	TP48300	1	Yes	In use
	Uasin Gishu	County Commissioner	UPS	UPS 3KVA	2	Yes	In use
3	Uasin Gishu	KNA	Switch	S5700	1	Yes	In use
	Uasin Gishu	KNA	UPS	UPS 2KVA	1	Yes	In use
	Uasin Gishu	KNA	LAN		0 28 Users	Yes	In use
4	Uasin Gishu	Public works	Switch	S5700	1	Yes	In use
	Uasin Gishu	Public works	UPS	UPS 2KVA	1	Yes	In use
5	Uasin Gishu	Public works	LAN	-	81 Users	Yes	In use
6	Uasin Gishu	Kapsoya DC	LAN	-	47 Users	Yes	In use
7	Uasin Gishu	Kapsoya Public Works	LAN		42 Users	Yes	In use
8	Uasin Gishu	Prisons	LAN		25 Users	Yes	In use
8	Kisumu	Telkom	Transmission	OSN 6800	1	Yes	In use
	Kisumu	Telkom	Transmission	OSN 3500	1	Yes	In use
9	Kisumu	Kisumu Governor1 Office	Equipment Site			Yes	In use
9	Kisumu	Kisumu District Hospital	Equipment Site			Yes	In use
10	Kisumu	Road Ministry & KeRRA	Equipment Site			Yes	In use
11	Kisumu	Treasury/ Finance	Equipment Site			Yes	In use
12	Kisumu	County Commissioner	Rack	ZPX321	1	Yes	In use
	Kisumu	County Commissioner	Router	NE40E-X8	2	Yes	In use
	Kisumu	County Commissioner	Switch	S9700	2	Yes	In use
	Kisumu	County Commissioner	Firewall	Eudemon 1000E	2	Yes	In use
	Kisumu	County Commissioner	Power	TP48300	1	Yes	In use
	Kisumu	County Commissioner	UPS	UPS 3KVA	2	Yes	In use
13	Kisumu	Kisumu District Hospital	LAN		0 4 Users	Yes	In use
14	Kisumu	KeRRA	Switch	S5700	1	Yes	In use
	Kisumu	KeRRA	UPS	UPS 2KVA	1	Yes	In use
	Kisumu	KeRRA	LAN		0 14 Users	Yes	In use

	Kisumu	KeRRA	ODF Unit		0	1	Yes	In use
15	Kisumu	Governor	Switch	S5700		1	Yes	In use
	Kisumu	Governor	UPS	UPS 2KVA		1	Yes	In use
16	Kisumu	KNA	Switch	S5700		1	Yes	In use
	Kisumu	KNA	UPS	UPS 2KVA		1	Yes	In use
17	Kakamega	Telkom	Transmission	OSN 3800		2	Yes	In use
	Kakamega	Telkom	ODF Unit		0	1	Yes	In use
	Kakamega	Telkom	ODF Cabinet		0	1	Yes	In use
18	Kakamega	County Commissioner	Router	NE40E-X3		1	Yes	In use
	Kakamega	County Commissioner	Switch	S9700		2	Yes	In use
	Kakamega	County Commissioner	Firewall	Eudemon 200E		2	Yes	In use
	Kakamega	County Commissioner	Power	TP48200		1	Yes	In use
	Kakamega	County Commissioner	UPS	UPS 3KVA		2	Yes	In use
19	Kakamega	KNA	Switch	S5700		1	Yes	In use
	Kakamega	KNA	UPS	UPS 2KVA		1	Yes	In use
	Kakamega	KNA	LAN		0	23 Users	Yes	In use
20	Kakamega	Governor	Switch	S5700		1	Yes	In use
	Kakamega	Governor	UPS	UPS 2KVA		1	Yes	In use
	Kakamega	Governor	ODF Unit		0	1	Yes	In use
	Kakamega	Governor	ODF Cabinet		0	1	Yes	In use
21	Busia	County Commissioner	Router	NE40E-X3		1	Yes	In use
	Busia	County Commissioner	Switch	S9700		2	Yes	In use
	Busia	County Commissioner	Switch	S5700		1	Yes	In use
	Busia	County Commissioner	Firewall	Eudemon 200E		2	Yes	In use
	Busia	County Commissioner	Transmission	OSN 1500		1	Yes	In use
	Busia	County Commissioner	Power	TP48200		1	Yes	In use
	Busia	County Commissioner	UPS	UPS 3KVA		2	Yes	In use
	Busia	County Commissioner	UPS	UPS 2KVA		1	Yes	In use
22	Busia	County Commissioner	LAN		0	26 Users	Yes	In use
	Busia	Education	Switch	S5700		1	Yes	In use
	Busia	Education	UPS	UPS 2KVA		1	Yes	In use
23	Busia	Education	LAN		0	84 Users	Yes	In use
	Busia	KNA	Switch	S5700		1	Yes	In use
	Busia	KNA	UPS	UPS 2KVA		1	Yes	In use
24	Busia	KNA	LAN		0	180 Users	Yes	In use
	Kericho	Telkom	Transmission	OSN 3800		2	Yes	In use
25	Kericho	County Commissioner	Router	NE40E-X3		1	Yes	In use
	Kericho	County Commissioner	Switch	S9700		2	Yes	In use
	Kericho	County Commissioner	Switch	S5700		1	Yes	In use
	Kericho	County Commissioner	Firewall	Eudemon 200E		2	Yes	In use
	Kericho	County Commissioner	Transmission	OSN 1500		1	Yes	In use

	Kericho	County Commissioner	Power	TP48200	1	Yes	In use
	Kericho	County Commissioner	UPS	UPS 3KVA	2	Yes	In use
	Kericho	County Commissioner	LAN		0	47 Users	Yes In use
26	Kericho	Kericho Referral Hospital	Switch	S5700	2	Yes	In use
	Kericho	Kericho Referral Hospital	UPS	UPS 2KVA	2	Yes	In use
	Kericho	Kericho Referral Hospital	LAN		0	55 Users	Yes In use
27	Kericho	KeRRA	Switch	S5700	1	Yes	In use
	Kericho	KeRRA	UPS	UPS 2KVA	1	Yes	In use
	Kericho	KeRRA	LAN		0	11 Users	Yes In use
28	Kericho	Police/ Lands/AP/Youth	LAN		0	46 Users	Yes In use
29	Kericho	Livestock	LAN		0	43 Users	Yes In use
30	Kericho	Labour	LAN		0	46 Users	Yes In use
31	Kericho	Education	LAN		0	47 Users	Yes In use
32	Kericho	KNA	LAN		0	21 Users	Yes In use
33	Bomet	Telkom	Transmission	OSN 3800	2	Yes	In use
34	Bomet	County Commissioner	Router	NE40E-X3	1	Yes	In use
	Bomet	County Commissioner	Switch	S9700	2	Yes	In use
	Bomet	County Commissioner	Firewall	Eudemon 200E	2	Yes	In use
	Bomet	County Commissioner	Transmission	OSN 1500	1	Yes	In use
	Bomet	County Commissioner	Power	TP48200	1	Yes	In use
	Bomet	County Commissioner	UPS	UPS 3KVA	2	Yes	In use
35	Bomet	County Assembly	Switch	S5700	2	Yes	In use
	Bomet	County Assembly	UPS	UPS 2KVA	1	Yes	In use
	Bomet	County Assembly	LAN		0	81 Users	Yes In use
36	Bomet	New Governor	Switch	S5700	3	Yes	In use
	Bomet	New Governor	UPS	UPS 2KVA	1	Yes	In use
	Bomet	New Governor	LAN			109 Users	Yes In use
37	Bomet	KeRRA	LAN		0	29 Users	Yes In use
38	Kisii	County Commissioner	Rack	ZPX321	1	Yes	In use
	Kisii	County Commissioner	Router	NE40E-X3	1	Yes	In use
	Kisii	County Commissioner	Switch	S9700	2	Yes	In use
	Kisii	County Commissioner	Switch	S5700	2	Yes	In use
	Kisii	County Commissioner	Firewall	Eudemon 200E	2	Yes	In use
	Kisii	County Commissioner	Transmission	OSN 2500	1	Yes	In use
	Kisii	County Commissioner	Power	TP48200	1	Yes	In use
	Kisii	County Commissioner	UPS	UPS 3KVA	2	Yes	In use
	Kisii	County Commissioner	LAN		0	61 Users	Yes In use
39	Kisii	Lands Office	Switch	S5700	2	Yes	In use
	Kisii	Lands Office	UPS	UPS 2KVA	2	Yes	In use, 1 UPS was faulty

	Kisii	Lands Office	LAN		61 Users	Yes	In use	
40	Kisii	KNA	Switch	S5700	2	Yes	In use	
	Kisii	KNA	UPS	UPS 2KVA	2	Yes	In use	
	Kisii	KNA	LAN		0	32 Users	Yes	In use
41	Murang'a	County Commissioner	Rack	ZPX321	1	Yes	In use	
	Murang'a	County Commissioner	Router	NE40E-X8	2	Yes	In use	
	Murang'a	County Commissioner	Router	NE40E-X3	1	Yes	In use	
	Murang'a	County Commissioner	Switch	S5700	2	Yes	In use	
	Murang'a	County Commissioner	Transmission	OSN 3500	1	Yes	In use	
	Murang'a	County Commissioner	Transmission	OSN 1500	1	Yes	In use	
	Murang'a	County Commissioner	Power	TP48300	2	Yes	In use	
41	Murang'a	County Commissioner	UPS	UPS 3KVA	1	Yes	In use	
42	Murang'a	KNA	Switch	S5700	1	Yes	In use	
	Murang'a	KNA	UPS	UPS 3KVA	1	Yes	In use	
43	Murang'a	Ardi House	Switch	S5700	1	Yes	In use	
	Murang'a	Ardi House	UPS	UPS 3KVA	1	Yes	In use	
44	Embu	Telkom	Transmission	OSN 6800	1	Yes	In use	
	Embu	Telkom	Transmission	OSN 3800	1	Yes	In use	
45	Embu	County Commissioner	Rack	ZPX321	1	Yes	In use	
	Embu	County Commissioner	Router	NE40E-X8	2	Yes	In use	
	Embu	County Commissioner	Switch	S9700	2	Yes	In use	
	Embu	County Commissioner	Switch	S5700	1	Yes	In use	
	Embu	County Commissioner	Firewall	Eudemon 1000E	2	Yes	In use	
	Embu	County Commissioner	Transmission	OSN 1500	1	Yes	In use	
	Embu	County Commissioner	Power	TP48300	1	Yes	In use	
	Embu	County Commissioner	UPS	UPS 3KVA	2	Yes	In use	
45	Embu	County Commissioner	LAN		0	48 Users	Yes	In use
46	Embu	KNA	Switch	S5700	1	Yes	In use	
	Embu	KNA	UPS	UPS 2KVA	1	Yes	In use	
	Embu	KNA	LAN			24 Users	Yes	In use
47	Embu	Prisons	Switch	S5700	1	Yes	In use	
	Embu	Prisons	UPS	UPS 2KVA	1	Yes	In use	
	Embu	Prisons	LAN		0	24 Users	Yes	In use
48	Meru	Telkom	Transmission	OSN 6800	1	Yes	In use	
	Meru	Telkom	Transmission	OSN 3500	1	Yes	In use	
49	Meru	County Commissioner	Rack	ZPX321	1	Yes	In use	
	Meru	County Commissioner	Router	NE40E-X8	2	Yes	In use	
	Meru	County Commissioner	Router	NE40E-X3	4	Yes	In use	
	Meru	County Commissioner	Switch	S5700	2	Yes	In use	
	Meru	County Commissioner	Firewall	Eudemon 1000E	2	Yes	In use	
	Meru	County Commissioner	Transmission	OSN 3500	1	Yes	In use	

	Meru	County Commissioner	Transmission	OSN 1500	1	Yes	In use	
	Meru	County Commissioner	Power	TP48300	2	Yes	In use	
	Meru	County Commissioner	UPS	UPS 3KVA	3	Yes	In use	
	Meru	County Commissioner	LAN		0	48 Users	Yes	In use
50	Meru	Men Prison	Router	NE40E-X3	1	Yes	In use	
	Meru	Men Prison	UPS	UPS 3KVA	1	Yes	In use	
51	Meru	Women Prison	Switch	S5700	1	Yes	In use	
	Meru	Women Prison	UPS	UPS 3KVA	1	Yes	In use	
52	Meru	Police	Router	NE40E-X3	1	Yes	In use	
	Meru	Police	UPS	UPS 3KVA	1	Yes	In use	
53	Isiolo	Telkom	Transmission	OSN 6800	3	Yes	In use	
	Isiolo	Telkom	Transmission	OSN 3500	1	Yes	In use	
54	Isiolo	County Commissioner	Rack	ZPX321	1	Yes	In use	
	Isiolo	County Commissioner	Router	NE40E-X8	2	Yes	In use	
	Isiolo	County Commissioner	Switch	S 9700	2	Yes	In use	
	Isiolo	County Commissioner	Switch	S5700	1	Yes	In use	
	Isiolo	County Commissioner	Firewall	Eudemon 1000E	2	Yes	In use	
	Isiolo	County Commissioner	Power	TP48300	1	Yes	In use	
	Isiolo	County Commissioner	UPS	UPS 3KVA	2	Yes	In use	
	Isiolo	County Commissioner	LAN		0	27 Users	Yes	In use
55	Isiolo	KNA	Switch	S5700	1	Yes	In use	
	Isiolo	KNA	UPS	UPS 2KVA	1	Yes	In use	
	Isiolo	KNA	LAN			19 Users	Yes	In use
56	Isiolo	Hospital	Switch	S5700	1	Yes	In use	
	Isiolo	Hospital	UPS	UPS 2KVA	1	Yes	In use	
	Isiolo	Hospital	LAN			46 Users	Yes	In use
57	Nyeri	County Commissioner	Router	NE40E-X3	1	Yes	In use	
	Nyeri	County Commissioner	Switch	S 9700	2	Yes	In use	
	Nyeri	County Commissioner	Switch	S5700	1	Yes	In use	
	Nyeri	County Commissioner	Firewall	Eudemon 200E	2	Yes	In use	
	Nyeri	County Commissioner	Transmission	OSN 1500	1	Yes	In use	
	Nyeri	County Commissioner	Power	TP48300	1	Yes	In use	
	Nyeri	County Commissioner	UPS	UPS 3KVA	2	Yes	In use	
58	Nyeri	Deputy Commissioner	Switch	S5700	2	Yes	In use	
	Nyeri	Deputy Commissioner	UPS	UPS 2KVA	2	Yes	In use	
	Nyeri	Deputy Commissioner	LAN			94 Users	Yes	In use
59	Nakuru	Telkom	Transmission	OSN 6800	1	Yes	In use	
	Nakuru	Telkom	Transmission	OSN 3500	1	Yes	In use	
60	Nakuru	County Commissioner	Rack	ZPX321	1	Yes	In use	
	Nakuru	County Commissioner	Router	NE40E-X8	2	Yes	In use	
	Nakuru	County Commissioner	Switch	S 9700	2	Yes	In use	

	Nakuru	County Commissioner	Switch	S5700	2	Yes	In use
	Nakuru	County Commissioner	Firewall	Eudemon 200E	2	Yes	In use
	Nakuru	County Commissioner	Transmission	OSN 1500	1	Yes	In use
	Nakuru	County Commissioner	Power	TP48300	1	Yes	In use
	Nakuru	County Commissioner	UPS	UPS 3KVA	2	Yes	In use
61	Nakuru	Police Headquarters	Switch	S5700	2	Yes	In use
	Nakuru	Police Headquarters	UPS	UPS 2KVA	2	Yes	In use
	Nakuru	Police Headquarters	LAN	0	63 Users	Yes	In use
62	Nakuru	Police (Regional)	Switch	S5700	1	Yes	In use
	Nakuru	Police (Regional)	UPS	UPS 2KVA	1	Yes	In use
	Nakuru	Police (Regional)	LAN	0	45 Users	Yes	In use
63	Laikipia	County Commissioner	Router	NE40E-X3	1	Yes	In use
	Laikipia	County Commissioner	Switch	S5700	2	Yes	In use
	Laikipia	County Commissioner	Firewall	Eudemon 200E	2	Yes	In use
	Laikipia	County Commissioner	Transmission	OSN 2500	1	Yes	In use
	Laikipia	County Commissioner	UPS	UPS 3KVA	2	Yes	In use
64	Laikipia	Rumuruti Hospital	Switch	S5700	2	Yes	In use
	Laikipia	Rumuruti Hospital	UPS	UPS 3KVA	2	Yes	In use
	Laikipia	Rumuruti Veterinary	Switch	S5700	2	Yes	In use
	Laikipia	Rumuruti Veterinary	UPS	UPS 3KVA	2	Yes	In use
65	Kerugoya	County Commissioner	Router	NE40E-X3	1	Yes	In use
	Kerugoya	County Commissioner	Switch	S9700	2	Yes	In use
	Kerugoya	County Commissioner	Firewall	Eudemon 200E	2	Yes	In use
	Kerugoya	County Commissioner	Transmission	OSN 1500	1	Yes	In use
	Kerugoya	County Commissioner	UPS	UPS 3KVA	2	Yes	In use
	Kerugoya	County Commissioner	Power	TP48200	1	Yes	In use
66	Kerugoya	County Assembly	Switch	S5700	2	Yes	In use
	Kerugoya	County Assembly	UPS	UPS 2KVA	2	Yes	In use
	Kerugoya	County Assembly	LAN	0	54 Users	Yes	In use
67	Kerugoya	Hospital	Switch	S5700	2	Yes	In use
	Kerugoya	Hospital	UPS	UPS 2KVA	2	Yes	In use
	Kerugoya	Hospital	LAN	0	62 Users	Yes	In use
68	Kajiado	County Commissioner	Rack	ZPX321	1	Yes	In use
	Kajiado	County Commissioner	Router	NE40E-X3	1	Yes	In use
	Kajiado	County Commissioner	Switch	S9700	2	Yes	In use
	Kajiado	County Commissioner	Switch	S5700	2	Yes	1 in use
	Kajiado	County Commissioner	Firewall	Eudemon 200E	2	Yes	In use
	Kajiado	County Commissioner	Transmission	OSN 1500	1	Yes	In use
	Kajiado	County Commissioner	UPS	UPS 3KVA	2	Yes	In use
69	Kajiado	Probation	Power	TP48200	1	Yes	In use
	Kajiado	Probation	Rack	ZPX321	1	Yes	In use

	Kajiado	Probation	Switch	S5700	2	Yes	In use
	Kajiado	Probation	UPS	UPS 3KVA	1	Yes	In use
	Kajiado	Probation	UPS	UPS 2KVA	2	Yes	In use
	Kajiado	Probation	LAN		0	89 Users	Yes
70	Kajiado	Prisons	Rack	ZPX321	1	Yes	In use
	Kajiado	Prisons	LAN		0	16 Users	Yes
71	Kajiado	Probation	UPS	UPS 2KVA	2	Yes	In use, 1 UPS is faulty
	Kajiado	Probation	LAN		0	89 Users	Yes
72	Kajiado	Agriculture/ Education	Rack	ZPX321	1	Yes	In use
	Kajiado	Agriculture/ Education	Switch	S5700	2	Yes	In use
	Kajiado	Agriculture/ Education	UPS	UPS 2KVA	2	Yes	In use
	Kajiado	Agriculture/ Education	LAN			45 Users	Yes
73	Kitui	County Commissioner	Rack	ZPX321	2	Yes	In use
	Kitui	County Commissioner	Router	NE40E-X3	1	Yes	In use
	Kitui	County Commissioner	Switch	S9700	2	Yes	In use
	Kitui	County Commissioner	Switch	S5700	2	Yes	In use
	Kitui	County Commissioner	Firewall	Eudemon 200E	2	Yes	In use
	Kitui	County Commissioner	Transmission	OSN 2500	1	Yes	In use
	Kitui	County Commissioner	UPS	UPS 3KVA	2	Yes	In use
	Kitui	County Commissioner	Power	TP48200	1	Yes	In use
	Kitui	County Commissioner	LAN		0	18 Users	Yes
74	Kitui	Ardi House	Switch	S5700	1	Yes	In use
	Kitui	Ardi House	UPS	UPS 2KVA	1	Yes	In use
	Kitui	Ardi House	LAN		0	38 Users	Yes
75	Kitui	Education	Switch	S5700	1	Yes	In use
	Kitui	Education	LAN		0	35 Users	Yes
76	Kitui	KNA	Switch	S5700	1	Yes	In use
	Kitui	KNA	LAN		0	18 Users	Yes
77	Makueni	County Commissioner	Rack	ZPX321	1	Yes	In use
	Makueni	County Commissioner	Router	NE40E-X3	1	Yes	In use
	Makueni	County Commissioner	Switch	S9700	2	Yes	In use
	Makueni	County Commissioner	Firewall	Eudemon 200E	2	Yes	In use
	Makueni	County Commissioner	Transmission	OSN 1500	1	Yes	In use
	Makueni	County Commissioner	UPS	UPS 3KVA	2	Yes	In use
78	Makueni	County Commissioner	Power	TP48200	1	Yes	In use
	Makueni	Governor	Rack	ZPX321	1	Yes	In use
79	Makueni	Governor	Switch	S5700	1	Yes	In use
	Kilifi	County Commissioner	Router	NE40E-X3	1	Yes	In use
	Kilifi	County Commissioner	Switch	S9700	2	Yes	In use
	Kilifi	County Commissioner	Switch	S5700	1	Yes	In use

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	Kilifi	County Commissioner	Firewall	Eudemon 200E	2	Yes	In use
	Kilifi	County Commissioner	Transmission	OSN 1500	1	Yes	In use
	Kilifi	County Commissioner	UPS	UPS 3KVA	2	Yes	In use
	Kilifi	County Commissioner	Power	TP48200	1	Yes	In use
80	Kilifi	Police	Switch	S5700	2	Yes	In use
	Kilifi	Police	UPS	UPS 2KVA	2	Yes	In use
	Kilifi	Police	LAN	0	52 Users	Yes	In use
81	Kilifi	KNA	Switch	S5700	1	Yes	In use
	Kilifi	KNA	UPS	UPS 2KVA	1	Yes	In use
	Kilifi	KNA	LAN	0	25 Users	Yes	In use
82	Mombasa	Telkom	Transmission	OSN 6800	1	Yes	In use
	Mombasa	Telkom	Transmission	OSN 3800	1	Yes	In use
83	Mombasa	County Commissioner	Rack	ZPX321	1	Yes	In use
	Mombasa	County Commissioner	Router	NE40E-X8	1	Yes	In use
	Mombasa	County Commissioner	Switch	S9700	2	Yes	In use
	Mombasa	County Commissioner	Firewall	Eudemon 200E	2	Yes	In use
	Mombasa	County Commissioner	Transmission	OSN 1500	1	Yes	In use
	Mombasa	County Commissioner	UPS	UPS 3KVA	2	Yes	In use
84	Mombasa	County Commissioner	Power	TP48300	1	Yes	In use
	Mombasa	KNA	Switch	S5700	2	Yes	In use
	Mombasa	KNA	UPS	UPS 2KVA	2	Yes	In use
85	Mombasa	KNA	LAN	0	95 Users	Yes	In use
	Mombasa	Bima house(CRD)	Switch	S5700	4	Yes	In use
	Mombasa	Bima house(CRD)	UPS	UPS 3KVA	1	Yes	In use
	Mombasa	Bima house(CRD)	UPS	UPS 2KVA	4	Yes	In use
86	Mombasa	Bima house(CRD)	LAN	0	95 Users	Yes	In use
	Kwale	County Commissioner	Router	NE40E-X3	1	Yes	In use
	Kwale	County Commissioner	Switch	S9700	2	Yes	In use
	Kwale	County Commissioner	Firewall	Eudemon 200E	2	Yes	In use
	Kwale	County Commissioner	Transmission	OSN 1500	1	Yes	In use
	Kwale	County Commissioner	UPS	UPS 3KVA	2	Yes	In use
	Kwale	County Commissioner	Power	TP48200	1	Yes	In use
87	Kwale	County Commissioner	LAN	0	32 Users	Yes	In use
	Kwale	KNA	Switch	S5700	1	Yes	In use
	Kwale	KNA	UPS	UPS 2KVA	1	Yes	In use
88	Kwale	KNA	LAN	0	26 Users	Yes	In use
	Kwale	National Registration Bureau	Switch	S5700	1	Yes	In use
	Kwale	National Registration Bureau	UPS	UPS 2KVA	1	Yes	In use
89	Kwale	National Registration Bureau	LAN	0	45 Users	Yes	In use
	Taita Taveta	County Commissioner	Rack	ZPX321	1	Yes	In use
	Taita Taveta	County Commissioner	Router	NE40E-X3	1	Yes	In use

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	Taita Taveta	County Commissioner	Switch	S9700	2	Yes	In use
	Taita Taveta	County Commissioner	Switch	S5700	1	Yes	In use
	Taita Taveta	County Commissioner	Firewall	Eudemon 200E	2	Yes	In use
	Taita Taveta	County Commissioner	Transmission	OSN 1500	1	Yes	In use
	Taita Taveta	County Commissioner	UPS	UPS 3KVA	2	Yes	In use
	Taita Taveta	County Commissioner	Power	TP48200	1	Yes	In use
	Taita Taveta	KNA	Switch	S5700	1	Yes	In use
	Taita Taveta	KNA	UPS	UPS 2KVA	1	Yes	In use
90	Taita Taveta	KNA	LAN	0	22 Users	Yes	In use
	Taita Taveta	Prisons	Switch	S5700	1	Yes	In use
	Taita Taveta	Prisons	UPS	UPS 2KVA	1	Yes	In use
91	Taita Taveta	Prisons	LAN	0	28 Users	Yes	In use
92	Taita Taveta	Lands	LAN		42 Users	Yes	In use

**Appendix VII: Summary of Audit findings on NOFBI Phase IIE Implementation Sites
as at February 2022**

No.	County	Sites	Description	Delivery	Status as at time of audit in February 2022
(I) Phase IIE sites where Optic Fibre terminated, equipment installed and in use					
1	Uasin Gishu	Moiben DCC	Equipment Site	Yes	In use, connected to internet
2	Uasin Gishu	Soy (Ziwa) DCC	Equipment Site	Yes	In use, connected to internet
3	Uasin Gishu	Kesses DCC	Equipment Site	Yes	In use, connected to internet
4	Uasin Gishu	Kapsaret DCC	Equipment Site	Yes	In use, connected to internet
5	Uasin Gishu	Ainabkoi (Kapsoya) DCC	Equipment Site	Yes	In use, connected to internet
6	Uasin Gishu	Eldoret Prisons	Equipment Site	Yes	In use, connected to internet
7	Kakamega	Kakamega North (Malava) DCC	Equipment Site	Yes	In use, connected to internet
8	Kakamega	KMG02 Matete DCC	Equipment Site	Yes	In use, connected to internet
9	Kakamega	Lugari (Lumakanda) DCC	Equipment Site	Yes	In use, connected to internet
10	Kakamega	Likuyani (Kongoni) DCC	Equipment Site	Yes	In use, connected to internet
11	Kakamega	Matungu DCC	Equipment Site	Yes	In use, connected to internet
12	Kakamega	Mumias DCC	Equipment Site	Yes	In use, connected to internet
13	Kakamega	Mumias East (Shianda) DCC	Equipment Site	Yes	In use, connected to internet
14	Kakamega	Butere DCC	Equipment Site	Yes	In use, connected to internet
15	Kakamega	Khwisero DCC	Equipment Site	Yes	In use, connected to internet
16	Kakamega	Kakamega South (Malinya) DCC	Equipment Site	Yes	In use, connected to internet
17	Kakamega	Kakamega East (Shinyalu) DCC	Equipment Site	Yes	In use, connected to internet
18	Kakamega	Navakholo DCC	Equipment Site	Yes	In use, connected to internet
19	Kakamega	Khwisero Bukura Agricultural College	Equipment Site	Yes	In use, connected to internet
20	Kakamega	Malinya (Shibwe) Hospital	ODF Cabinet and Unit	Yes	In use, connected to internet
21	Kisumu	Kisumu West(Ojolla) DCC	Equipment Site	Yes	In use, connected to internet
22	Kisumu	Seme (Kombewa) DCC	Equipment Site	Yes	In use, connected to internet
23	Kisumu	Nyando (Awasi) DCC	Equipment Site	Yes	In use, connected to internet

24	Kisumu	Nyakach(Pap Onditi) DCC	Equipment Site	Yes	In use, connected to internet
25	Kisumu	Thuridibuoro Secondary School	Equipment Site	Yes	In use, connected to internet
26	Kisumu	Mbugra Secondary School	Equipment Site	Yes	In use, connected to internet
27	Kisumu	Muhoroni(Chemelil) DCC	Equipment Site	Yes	In use, connected to internet
28	Kisumu	Kisumu East (Kassagam) DCC	Equipment Site	Yes	In use, connected to internet
29	Kisumu	Kisumu Central DCC	Equipment Site	Yes	In use, connected to internet
30	Busia	Bunyala(Budalangi) DCC	Equipment Site	Yes	In use, connected to internet
31	Busia	Samia(Funyula) DCC	Equipment Site	Yes	In use, connected to internet
32	Busia	Butula DCC	Equipment Site	Yes	In use, connected to internet
33	Busia	Nambale DCC	Equipment Site	Yes	In use, connected to internet
34	Busia	Teso South(Amukura) DCC	Equipment Site	Yes	In use, connected to internet
35	Busia	Teso North (Amagoro) (Old)	Equipment Site	Yes	In use, connected to internet
36	Kericho	Bureti (Litein) DCC	Equipment Site	Yes	In use, connected to internet
37	Kericho	Belgut (Sosoit) DCC	Equipment Site	Yes	In use, connected to internet
38	Kericho	Kipkelion DCC	Equipment Site	Yes	In use, connected to internet
39	Kericho	Londiani DCC	Equipment Site	Yes	In use, connected to internet
40	Kericho	Londiani Police	ODF Cabinet and Unit	Yes	In use, connected to internet
41	Kericho	Kipkelion Education	ODF Cabinet and Unit	Yes	In use, connected to internet
42	Bomet	Chepalungu (Sigor) DCC	Equipment Site	Yes	In use, connected to internet
43	Bomet	Sotik DCC	Equipment Site	Yes	In use, connected to internet
44	Bomet	Bomet East (Longisa) DCC	Equipment Site	Yes	In use, connected to internet
45	Bomet	Konoin (Mogosiek) DCC	Equipment Site	Yes	In use, connected to internet
46	Kisii	Masaba South (Masimba) DCC	Equipment Site	Yes	In use, connected to internet
47	Kisii	Nyamache DCC	Equipment Site	Yes	In use, connected to internet
48	Kisii	Kenyenya DCC	Equipment Site	Yes	In use, connected to internet
49	Kisii	Sameta (Itumbe) DCC	Equipment Site	Yes	In use, connected to internet
50	Kisii	Gucha (Ogembo) DCC	Equipment Site	Yes	In use, connected to internet
51	Kisii	Gucha South (Nyamarambe) DCC	Equipment Site	Yes	In use, connected to internet

52	Kisii	Kitutu Central(Nyanchwa) DCC	Equipment Site	Yes	In use, connected to internet
53	Kisii	Kisii South (Kerina) DCC	Equipment Site	Yes	In use, connected to internet
54	Kisii	Masaba Sub County Hospital	Equipment Site	Yes	In use, connected to internet
55	Kisii	Kitutu Chache North(Marani) DCC	Equipment Site	Yes	In use, connected to internet
56	Embu	Runyenjes DCC	Equipment list	Yes	In use, connected to internet
57	Embu	Manyatta DCC	Equipment list	Yes	In use, connected to internet
58	Embu	Siakago DCC	Equipment list	Yes	In use, connected to internet
59	Embu	Kiritiri DCC	Equipment list	Yes	In use, connected to internet
60	Embu	Manyatta Kigari teachers college	Equipment list	Yes	In use, connected to internet
61	Embu	Mavuria NG-CDF Office Kiritiri	Equipment list	Yes	In use, connected to internet
62	Isiolo	Police County/Div HQ	Equipment list	Yes	In use, connected to internet
63	Isiolo	Garbatula DCC	Equipment list	Yes	In use, connected to internet
64	Kirinyaga	Baricho DCC	Equipment list	Yes	In use, connected to internet
65	Kirinyaga	Kianyaga Gichugu DCC	Equipment list	Yes	In use, connected to internet
66	Kirinyaga	Ahiti Ndomba School	Equipment list	Yes	In use, connected to internet
67	Kirinyaga	Wanguru DCC	Equipment list	Yes	In use, connected to internet
68	Kirinyaga	Kandongu DCC	Equipment list	Yes	In use, connected to internet
69	Laikipia	Laikipia Central(Lamura) DCC	Equipment list	Yes	In use, connected to internet
70	Laikipia	Nyahururu DCC(new)	Equipment list	Yes	In use, connected to internet
71	Meru	Tigania Central(Mikinduri) DCC	Equipment list	Yes	In use, connected to internet
72	Meru	Kianjogu Secondary School	Equipment list	Yes	In use, connected to internet
73	Meru	Kinoro ACC	Equipment list	Yes	In use, connected to internet
74	Meru	Buuri West (Timau) DCC	Equipment list	Yes	In use, connected to internet
75	Meru	Imenti South DCC	Equipment list	Yes	In use, connected to internet
76	Meru	Imenti Central DCC	Equipment list	Yes	In use, connected to internet
77	Meru	Tigania West DCC	Equipment list	Yes	In use, connected to internet
78	Meru	Tigania East(Muriri) DCC	Equipment list	Yes	In use, connected to internet
79	Meru	Igembe South DCC	Equipment list	Yes	In use, connected to internet

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80	Meru	Igembe North DCC	Equipment list	Yes	In use, connected to internet
81	Meru	Mikumbune Hospital	Equipment list	Yes	In use, connected to internet
82	Meru	Murungurune Health Centre	Equipment list	Yes	In use, connected to internet
83	Meru	Kinoro Hospital	Equipment list	Yes	In use, connected to internet
84	Meru	Ndagene Secondary School	Equipment list	Yes	In use, connected to internet
85	Meru	Churu Police Post	Equipment list	Yes	In use, connected to internet
86	Meru	Abogeta West ACC	Equipment list	Yes	In use, connected to internet
87	Meru	Kimitu Prison	Equipment list	Yes	In use, connected to internet
88	Murang'a	Gatanga DCC	Equipment list	Yes	In use, connected to internet
89	Murang'a	Kandara DCC	Equipment list	Yes	In use, connected to internet
90	Murang'a	Kigumo DCC	Equipment list	Yes	In use, connected to internet
91	Murang'a	Kangema DCC	Equipment list	Yes	In use, connected to internet
92	Murang'a	Murang'a South (Kenol) DCC	Equipment list	Yes	In use, connected to internet
93	Murang'a	Kandara level 4 hospital	Equipment list	Yes	In use, connected to internet
94	Murang'a	Kiriani DCC	Equipment list	Yes	In use, connected to internet
95	Nakuru	Naivasha DCC	Equipment list	Yes	In use, connected to internet
96	Nakuru	Gilgil DCC	Equipment list	Yes	In use, connected to internet
97	Nakuru	Nakuru North DCC(Bahati)	Equipment list	Yes	In use, connected to internet
98	Nakuru	Nakuru West DCC (Kapkures)	Equipment list	Yes	In use, connected to internet
99	Nakuru	Njoro DCC	Equipment list	Yes	In use, connected to internet
100	Nakuru	Rongai DCC	Equipment list	Yes	In use, connected to internet
101	Nakuru	Kuresoi North DCC	Equipment list	Yes	In use, connected to internet
102	Nakuru	Subukia DCC	Equipment list	Yes	In use, connected to internet
103	Nakuru	Molo	Equipment list	Yes	In use, connected to internet
104	Nakuru	Kuresoi South DCC	Equipment list	Yes	In use, connected to internet
105	Nakuru	Naivasha Level 5 Hospital	Equipment list	Yes	In use, connected to internet
106	Nyeri	Kenya Police Provincial HQ	Equipment list	Yes	In use, connected to internet
107	Nyeri	Mathira West (Kayaba) DCC	Equipment list	Yes	In use, connected to internet

108	Nyeri	Wamagana DCC	Equipment list	Yes	In use, connected to internet
109	Nyeri	Othaya DCC	Equipment list	Yes	In use, connected to internet
110	Nyeri	Mukurne-Ini DCC	Equipment list	Yes	In use, connected to internet
111	Nyeri	Mweiga DCC	Equipment list	Yes	In use, connected to internet
112	Nyeri	Karatina DCC	Equipment list	Yes	In use, connected to internet
113	Nyeri	Kieni east (Naru moru) DCC	Equipment list	Yes	In use, connected to internet
114	Kajiado	Ngong DCC	Equipment Site	Yes	In use, connected to internet
115	Kitui	Matinyani DCC	Equipment Site	Yes	In use, connected to internet
116	Kitui	Katulani DCC	Equipment Site	Yes	In use, connected to internet
117	Kitui	Nzambani HQ(Chuluni) DCC	Equipment Site	Yes	In use, connected to internet
118	Kitui	KITUI WEST SUB-COUNTY DCC	Equipment Site	Yes	In use, connected to internet
119	Kitui	Lower Yatta(Kyusyani)DCC	Equipment Site	Yes	In use, connected to internet
120	Kitui	Mwingi Central (Mwingi) DCC	Equipment Site	Yes	In use, connected to internet
121	Kitui	Mwingi East (Mathuki) DCC	Equipment Site	Yes	In use, connected to internet
122	Kitui	Mwingi West (Migwani) DCC	Equipment Site	Yes	In use, connected to internet
123	Kitui	Matinyani hospital	ODF Cabinet and Unit	Yes	In use, connected to internet
124	Kitui	Thitha hospital	ODF Cabinet and Unit	Yes	In use, connected to internet
125	Kitui	Kabati police station	ODF Cabinet and Unit	Yes	In use, connected to internet
126	Makueni	Mbooni West (Kikima) DCC	Equipment Site	Yes	In use, connected to internet
127	Makueni	Nzaui DCC	Equipment Site	Yes	In use, connected to internet
128	Makueni	Kathonzweni DCC	Equipment Site	Yes	In use, connected to internet
129	Makueni	Mbooni East DCC	Equipment Site	Yes	In use, connected to internet
130	Makueni	Makindu DCC	Equipment Site	Yes	In use, connected to internet
131	Makueni	Kibwezi DCC	Equipment Site	Yes	In use, connected to internet
132	Kilifi	Rabai DCC	Equipment Site	Yes	In use, connected to internet
133	Kilifi	Malindi DCC	Equipment Site	Yes	In use, connected to internet
134	Kilifi	Magarini Health Centre	Equipment Site	Yes	In use, connected to internet
135	Kilifi	Magarini DCC	Equipment Site	Yes	In use, connected to internet

136	Kilifi	Kaloleni DCC	Equipment Site	Yes	In use, connected to internet
137	Kilifi	Ganze DCC	Equipment Site	Yes	In use, connected to internet
138	Kilifi	Chonyi DCC	Equipment Site	Yes	In use, connected to internet
139	Kilifi	Kilifi Deputy county governor	ODF Cabinet and Unit	Yes	In use, connected to internet
140	Mombasa	Jomvu DCC	Equipment Site	Yes	In use, connected to internet
141	Mombasa	Likoni ACC	Equipment Site	Yes	In use, connected to internet
142	Mombasa	Kisauni DCC	Equipment Site	Yes	In use, connected to internet
143	Mombasa	Changamwe DCC	Equipment Site	Yes	In use, connected to internet
144	Kwale	Lungalunga DCC	Equipment Site	Yes	In use, connected to internet
145	Kwale	Msambweni DCC	Equipment Site	Yes	In use, connected to internet
146	Kwale	Matuga DCC	Equipment Site	Yes	In use, connected to internet
147	Kwale	Kinango DCC	Equipment Site	Yes	In use, connected to internet
148	Kwale	Diani TKL	Equipment Site	Yes	In use, connected to internet
149	Taita Taveta	Taveta DCC	Equipment Site	Yes	In use, connected to internet
150	Taita Taveta	Voi DCC	Equipment Site	Yes	In use, connected to internet
151	Taita Taveta	Taita Taveta (Mwatate) CC	Equipment Site	Yes	In use, connected to internet
152	Taita Taveta	KeNHA	Equipment Site	Yes	In use, connected to internet
153	Taita Taveta	County Government- Mwatate	ODF Cabinet and Unit	Yes	In use, connected to internet
154	Taita Taveta	Taita Taveta (Wundanyi) County Agriculture	ODF Cabinet and Unit	Yes	In use, connected to internet
155	Taita Taveta	Voi KNA	ODF Cabinet and Unit	Yes	In use, connected to internet
156	Bomet	Bomet University	Equipment Site	Yes	In use, connected to internet and also have alternative ISP
157	Kakamega	Irechelo Primary School	ODF Cabinet and Unit	Yes	In use, connected to internet through the Schoolnet Connectivity Project
158	Bomet	Longisa Hospital	ODF Cabinet and Unit	Yes	In use, connected to internet Via own equipment & LAN
159	Kericho	Litein (Kapkatet) Hosptial	Equipment Site	Yes	In use. Connected to internet through own equipment & LAN
160	Embu	Embu Hospital	Equipment Site	Yes	In use, connected to internet via LAN

161	Kirinyaga	Kirinyaga Governor(Kutus) DCC	Equipment Site	Yes	In use, connected to internet via LAN
162	Laikipia	Laikipia East(Nanyuki) DCC	Equipment Site	Yes	In use, connected to internet via LAN
163	Meru	Igembe Central DCC	Equipment Site	Yes	In use, connected to internet via LAN
164	Murang'a	Kahuro DCC	Equipment Site	Yes	In use, connected to internet via LAN
165	Nakuru	Naivasha KARLO	Equipment Site	Yes	In use, connected to internet via LAN
166	Nyeri	Kiganjo Police College	Equipment Site	Yes	In use, connected to internet via LAN
167	Kakamega	Kwhisero CDF Offices	Equipment Site	Yes	In use, connected to Internet via radio link
168	Kakamega	Ikolomani CDF Offices	Equipment Site	Yes	In use, connected to Internet via radio link
(II) NOFBI Phase II E Sites where Optic Fibre was terminated and active equipment installed but not in use					
169	Kisumu	Kisumu Airport	Equipment Site	Yes	Fibre terminated, not in use
170	Kitui	Mwingi East (Mathuki) Hospital	Equipment Site	Yes	Fibre terminated, not in use
171	Kilifi	Malindi Airport	Equipment Site	Yes	Fibre terminated, not in use
172	Mombasa	Mombasa Airport	Equipment Site	Yes	Fibre terminated, not in use
173	Makueni	County Assembly	Equipment Site	Yes	Fibre terminated, not in use, Assembly contracted Independent ISP
174	Makueni	KMTC	Equipment Site	Yes	Fibre terminated, not in use. College contracted an alternative ISP
175	Kajiado	Isinya DCC	Equipment Site	Yes	Fibre terminated, not in use due to disconnection of electricity supply
176	Kisumu	Rachier Primary School	Equipment Site	Yes	Fibre terminated, not in use due to disconnection of electricity supply
177	Makueni	Mukaa DCC(Education)	Equipment Site	Yes	Fibre terminated, not in use due to disconnection of electricity supply
178	Makueni	Kilungu DCC	Equipment Site	Yes	Fibre terminated, not in use due to disconnection of electricity supply
(III) NOFBI Phase II E Sites where Optic Fibre was terminated, passive equipment installed and not in use					
179	Uasin Gishu	Moiben (Temporary Place) DCC	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
180	Kirinyaga	Gichugu Probation	ODF Cabinet	Yes	Fibre terminated, not in use
181	Kirinyaga	Wanguru Probation	ODF Cabinet	Yes	Fibre terminated, not in use

182	Nyeri	Karatina CRD & Chief	ODF Cabinet	Yes	Fibre terminated, not in use
183	Kakamega	Matungu Sub-District Hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
184	Busia	Amukura Health Centre	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
185	Busia	Nambale Sub county hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
186	Busia	Amagoro Police Station	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
187	Busia	Butula Planning	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
188	Busia	Funyula ACC & DO & Health	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
189	Busia	Busia KRA	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
190	Busia	Teso North (Amagoro) (Old) DCC	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
191	Kericho	Sosiot health centre	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
192	Bomet	Sotik police	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
193	Bomet	Sigor Chepalungu Hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
194	Bomet	Mogogosiek Hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
195	Bomet	Bomet KeRRA	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
196	Kisii	Nyamarambe Nduru Sub county hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
197	Kisii	Ogembo Sub county hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
198	Kisii	Gucha(OGEMBO) Police divisional HQ	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
199	Kisii	Marani sub county hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
200	Kisii	Itumbe Police divisional HQ	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
201	Kisii	Kenya Sub county hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
202	Kisii	Kenya Police Station	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
203	Embu	Runyenjes Hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
204	Embu	Siakago Level 4 Hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
205	Embu	Kiritiri Hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
206	Embu	Embu Regional Prison	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
207	Isiolo	Garbatula Sub County Hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
208	Isiolo	Isiolo Prisons	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
209	Isiolo	Isiolo Trade	ODF Cabinet and Unit	Yes	Fibre terminated, not in use

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210	Kirinyaga	Baricho Health centre	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
211	Kirinyaga	Kandongu Health centre	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
212	Kirinyaga	Kianyaga Sub-County Hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
213	Laikipia	Nyahururu referral hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
214	Laikipia	Lamuria Hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
215	Laikipia	Nanyuki Teaching Referral Hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
216	Meru	Meru Level 5 Hosiptal	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
217	Meru	Amatu Secondary School	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
218	Meru	Miathene Hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
219	Meru	Ithimbari Health Centre	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
220	Meru	Kalro Marimba Farm(ODF SITE)	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
221	Meru	Giuti Assistant Chief	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
222	Murang'a	Kiriani CDF	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
223	Murang'a	Kangema CRD	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
224	Murang'a	Kahuro Muriranja Level 4 hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
225	Murang'a	Kigumo Probation/CRD	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
226	Murang'a	Gatanga Police station	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
227	Murang'a	Kenol Adult Education/Education/TS C	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
228	Murang'a	Murang'a TKL	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
229	Nakuru	Kapkures Education	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
230	Nakuru	Njoro Police divisional HQ	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
231	Nakuru	Molo south Sub-county hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
232	Nakuru	Keringet Sub county hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
233	Nakuru	Sirikwa Health centre	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
234	Nakuru	Gilgil sub-county hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
235	Nakuru	Subukia Hospital Admin block	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
236	Nakuru	Nakuru KWS National Park	ODF Cabinet and Unit	Yes	Fibre terminated, not in use

237	Nakuru	Nakuru KWS Central HQ	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
238	Nyeri	Naru Moru agriculture	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
239	Nyeri	Othaya Police station	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
240	Nyeri	Mukurwe-ini Probation	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
241	Nyeri	Kayaba Sub County Administrator	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
242	Nyeri	Sagana II-BTS 1	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
243	Nyeri	Sagana II-BTS 2	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
244	Nyeri	Sagana II-BTS 3	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
245	Nyeri	Sagana III-BTS	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
246	Nyeri	Nyeri Telkom	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
247	Nyeri	Sagana 1	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
248	Nyeri	Nyeri Huduma Centre	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
249	Nyeri	Mukurwe-ini sub-county hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
250	Kajiado	Ngong KWS	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
251	Kajiado	Ngong Hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
252	Kajiado	Ngong ACC1	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
253	Kitui	Kyusyani Hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
254	Kitui	Chuluni health centre	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
255	Kitui	Mwingi CRD	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
256	Kitui	Migwani Hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
257	Makueni	Makindu hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
258	Makueni	Kathonzweni police station	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
259	Makueni	Kibwezi hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
260	Makueni	Nunguni hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
261	Makueni	Kikima hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
262	Makueni	Matiriku hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
263	Makueni	Wote KeRRA	ODF Cabinet and Unit	Yes	Fibre terminated, not in use

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264	Kilifi	Malindi Airport	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
265	Kwale	Lungalunga Sub County Hospital	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
266	Kwale	Ukunda Airport	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
267	Kwale	Msambweni Sub County Probation Children	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
268	Kwale	Kenya School of Government (Matuga)	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
269	Taita Taveta	Taveta KRA	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
270	Taita Taveta	Taita Taveta (Wundanyi) County Assembly	ODF Cabinet and Unit	Yes	Fibre terminated, not in use
271	Makueni	Mukaa(Yoani) DCC	ODF Cabinet and Unit	Yes	Fibre terminated, not in use due to disconnection of electricity at the main site in Mukaa DCC (Education)
272	Kitui	Kitui County Assembly	ODF Cabinet and Unit	Yes	Fibre terminated, not in use. Assembly has an alternative ISP
273	Taita Taveta	Voi Sub County KMTC	ODF Cabinet and Unit	Yes	Fibre terminated, not in use. College has contracted an alternative ISP
274	Kericho	Kericho Huduma Centre	ODF Cabinet and Unit	Yes	Fibre terminated, not in use. Have an alternative ISP
275	Kwale	Kwale Governor	ODF Cabinet and Unit	Yes	Fibre terminated, not in use. Have contracted an alternative ISP
276	Kisii	Nyamache KMTC	ODF Cabinet and Unit	Yes	Fibre terminated, not in use. College contracted and alternative ISP
(iv) NOFBI Phase IIE Sites where Optic Fibre was not terminated at the Offices					
277	Uasin Gishu	Lands	Optic Fibre	Yes	Fibre terminated not terminated at the offices, but at nearby the manholes (ducts), no internet connection
278	Uasin Gishu	Huduma Centre	Optic Fibre	Yes	Fibre terminated not terminated at the offices, but at nearby the manholes (ducts), no internet connection
279	Nyeri	Othaya CRD	ODF Cabinet and Unit	Yes	Fibre terminated not terminated at the offices, but at nearby the manholes (ducts), no internet connection

Appendix VIII- IP Based HiPath 4000 Network Phase I Project Implementation sites

S/No.	Counties	Termination Site	Implementation Sites
1	Baringo	Iten TKL/ Kabarnet TKL	Kabarnet DC
2	Busia	Busia TKL	CRD, DC
3	Elgeyo Marakwet	Eldoret TKL/ Iten TKL	Iten Treasury
4	Embu	Embu TKL	PC, CRD, Treasury
5	Embu	Embu TKL	Governor
6	Garissa	Garissa TKL	CRD, PC HQ
7	Isiolo	Isiolo TKL	CRD, Treasury
8	Kakamega	Kakamega TKL	DC, CRD
9	Kericho	Kericho TKL	Treasury
10	Kilifi	Malindi TKL	CRD, Treasury
11	Kisii	Kisii TKL	Treasury, CRD
12	Kisumu	Kisumu TKL	PC, CRD, DC
13	Kitui	Kitui TKL	DC, CRD
14	Mandera	Mandera TKL	DC, CRD
15	Marsabit	Marsabit TKL	CRD, Treasury
16	Meru	Meru TKL	CRD, DC
17	Mombasa	Mombasa PCs Site	Telkom, CRD, DCs
18	Murang'a	Murang'a TKL	Education, DC
19	Nairobi	The National Treasury	Telephone House, Nyayo House
20	Nakuru	Nakuru TKL	PC, DC
21	Narok	Narok TKL	Treasury, CRD
22	Nyandarua	Nyahururu TKL	DC, CRD
23	Nyeri	Nyeri TKL	Treasury, CRD, PC
24	Tana River	Hola TKL	Hola CRD, DC office
25	Turkana	Lodwar TKL	Treasury
26	Uasin Gishu	Eldoret TKL	DC
27	Wajir	Wajir Telkom	DC, CRD
28	West Pokot	Kitale TKL	Kapeguria Treasury

Appendix IX- IP Based HiPath 4000 Network Phase II Project Implementation sites

S/No.	Counties	Implementation Sites	Phase
1	Narok	Governor	IIA
2	Kericho	Governor	IIA
3	Kisii	Governor	IIA
4	Kisumu	Governor	IIA
5	Busia	Governor	IIA
6	Kakamega	Governor	IIA
7	Uasin Gishu	Governor	IIA
8	Elgeyo Marakwet	Governor	IIA
9	Baringo	Governor	IIA
10	Turkana	Governor	IIA
11	Trans Nzoia (Kitale)	Governor	IIA
12	West Pokot	Governor	IIA
13	Nakuru	Governor	IIA
14	Nyandarua (Nyahururu)	Deputy Governor	IIA
15	Murang'a	Governor	IIA
16	Nyeri	Governor	IIA
17	Embu	Governor	IIA
18	Meru	Governor	IIA
19	Laikipia (Nanyuki)	Governor	IIA
20	Isiolo	Governor	IIA
21	Marsabit	Governor	IIA
22	Kilifi / Malindi	DC	IIA
23	Mandera	Governor	IIA
24	Wajir	Governor	IIA
25	Tana River	Governor	IIA
26	Mombasa	Governor	IIA
27	Kitui	Governor	IIA
28	Kajiado	DC, CRD, Education, Governor	IIB
29	Kiambu	CC, Treasury, CRD/NRB, Governor, Ministry of Lands	IIB
30	Kwale	CC, Education, CRD, Treasury, Governor/ICT	IIB
31	Machakos	CC, Education, CRD, Treasury, Governor	IIB
32	Taita Taveta	CC, Education, CRD, Treasury, Governor	IIB
33	Tharakanithi	CC, Education, CRD, Treasury, Governor	IIB
34	Nyandarua (Ol Kalau	CC, NRB, Governor	IIB
35	Nandi	CC, CRD	IIB

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36	Homabay	CC, Education, CRD, Treasury, Governor	IIB
37	Bomet	CC, CRB, Treasury, Governor	IIB
38	Bungoma	ICT, Education, CC, Treasury, Governor	IIB
39	Kilifi	CC, Education, CRD/NRB, Treasury, Governor	IIB
40	Kirinyaga	CC, Governor	IIB
41	Lamu	CC, Immigration, Treasury	IIB
42	Migori	CC, Education, CRD, Treasury, Governor	IIB
43	Nyamira	CC, Education	IIB
44	Laikipia Rumuruti	CC, Education, CRD, Treasury, Governor	IIB
45	Samburu	CC, Education, CRD, Treasury, Governor	IIB
46	Siaya	CC, NRB/CRB, Treasury, Governor/ICT	IIB
47	Vihiga	CC, Governor	IIB
48	Makueni	CC, Governor	IIB

Appendix X: IP Based HiPath 4000 Network Phase III Implementation Sites

S/No.	Counties	Implementation Sites	Project Phase
1	Baringo	CC, Lands/Survey/Probation, Judiciary, Police/CID/County Commander, County Assembly, Huduma Centre, Referral Hospital, KNA	IIIA
2	Elgeyo Marakwet	CC, Treasury, Police Station, Education, NRB and Social Services, Probation, Children and Youth, County Commander, County Assembly	IIIA
3	Embu	CC, RC, TKL, Governor, Treasury, Regional Immigration, NRB/VET/AP, Livestock, Health, Agriculture, Huduma Centre, CRD/Social Dev, DCIO/Police, ODPP, Regional Police HQ, Min Land, Regional Residence	IIIA
4	Isiolo	CC, Treasury, Public Works, CDF, Probation/Children/Social Services/NRB, NDMA, AP, Law Courts, Huduma Centre, KMTC, CRD, Education, TKL, Governor, Hospital, NRB ODF	IIIA
5	Kiambu	CC, AP, DO, Probation, Survey, Rednova, KNA	IIIA
6	Kilifi	Treasury, NDMA, Probation, Law Courts, Huduma, AP/NRB/Agric, Children Office, Police Station, Governor, Lands Office, Old Education, New Education, Hospital, Social services	IIIA
7	Kirinyaga	CC, Economic Planning/ Lands survey/ DO, Fisheries/ Agric/Probation/ Revenue, Prison, Public Works, Huduma, Veterinary, Police	IIIA
8	Kisumu	CC/Treasury, KNA, County Offices, Education, ICT, Kenao, AG, ODPP, Education, Culture, Sports, County water and Envir, Huduma, Min Commerce, County Offices, Adult Edu, TVET, Youth&Coop, Fisheries Betting&Alcoholics, RC, AP, NEMA, EAC, CRD, National Archives, Agri& Fisheries, Livestock VET& Dairy, NACC, PPRA, CC, Industrialization, County Offices, TRA, Children& Probation	IIIA
9	Kwale	CC, Old Edu, TSC, Police Station, Lands, Hospital, Treasury, CRD, Geology Mining, Huduma	IIIA
10	Marsabit	CC, Treasury, NDMA, Prisons, ODPP, CA, Children Probation, NRB, CRB, TKL	IIIA
11	Meru	CC, Probation, CA, Ardhi, Police, Huduma, Public Works, KMTC Main, KMTC B, Hospital Main, Hospital Pharmacy, KuRRA, Prison Men, Women Prison, CRD, Governor, CID, TKL	IIIA
12	Migori	Treasury, CC, KFS, Edu, Lands, KeRRA, Divisional Police, County Police, Public Works, Men Prison, Women Prison, Law courts, Huduma, CRD, Probation, Governor, Hospital, KNA, TKL, CDF	IIIA
13	Nakuru	RC, CC, Lands, Regional Prison, Governor, DCI, TKL, Regional Police, Central Police	IIIA

14	Nyamira	CC, Treasury, EDU, Hospital, Huduma, KMTC, KeRRA, Public Works, Police HQ, CRD	IIIA
15	Uasin Gishu	CC, Referral Hospital, Police Station, Probation Livestock, CDF Soi, Economic Planning, Law Courts, Governor	IIIA
16	Bomet	CC, Children, Social Services, Huduma, Prison, Police, Hospital, DCIO	IIIB
17	Bungoma	CC, Lands, NRB/KFS/AP, Probation, Devolution National Planning, DCC, Education, Adult Education, Social Service Gender+CRD+Immigration, Labour, Social Security&Services, Prisons, Hospital, KNA	IIIB
18	Busia	CC, Probation, Police, Prisons, Referral Hospital, Treasury, CRD& Labour, TKL,	IIIB
19	Garissa	CC, KNA, NRB, Agri/VET, Huduma, Police Station, Prison, Probation, Education, New Governor, CRD, RLPRP	IIIB
20	Homabay	CC, Tom Mboya University, KNA, Hospital, Police 1st & Ground, County Ass, Education	IIIB
21	Kajiado	CC, ODPP, Housing, Police, County Ass, NEMA, Huduma, KeRRA, Hospital	IIIB
22	Kakamega	CC, RC, RC Block B, RC Block C, Survey/Adult Education Sports Probation WEP, Social services Culture Coop Education sub County, TSC sub county, Education, Sub County Education, Forest, Labour, CRD, Governor, TKL	IIIB
23	Kericho	CC, Children, CRD&Probation, KNA, Lands, Sub County Education, Agric&Livestock, Labour, Traffic Police&CID, Police station	IIIB
24	Kisii	CC, Men Prison, Education, Probation&social Service, Police station, Kisii Police HQ, Huduma, CRD &children Referral Hospital, Women Prison, KMTC	IIIB
25	Kitui	CC, Tanathi water, Huduma, Governor, Police ground& 1st floor, Prison main, Women Prison, Treasury, Probation, Education, TKL, County ICT, NRB	IIIB
26	Lamu	CC, NDMA, Kingfahad Hospital 1st&ground floor, Mokowe Hospital, Police station, Fisheries, Lands	IIIB
27	Laikipia	CC, Lands, Treasury, CRD NRB, Police, Prison, Education, Public Health+Veterinary, Governor	IIIB

28	Machakos	CC, Admin Police, Huduma, KeNHA, Probation, Police station, County CID, NRB, Prison, KeRRA, KuRRA, Education, CRD	IIIB
29	Makueni	CC, County Ass, Remand Prison, Wote TTTI, Police HQ, KMTC, Referral Hospital, Ass County Commissioner, KMTC admin, Chief camp	IIIB
30	Mandera	CC, Finance Revenue KFS, Coop&Marketing Meteorological, Prison, Referral Hospital, NDMA, National Assembly, KRA, KEBS, Immigration, Public Health, Treasury Education NRB Chief's Office, CRD, KNA, TKL, Huduma	IIIB
31	Mombasa	CC, 1st Floor, 2nd Floor, 3rd Floor, 4th Floor, 5th Floor, 7th Floor, 8th Floor, 9th Floor, Treasury Ground Floor, Treasury 1st Floor	IIIB
32	Murang'a	CC, Men+Women Prison, Hospital, KMTC, Social Youth&Culture+KNBS, Police DCIO+CID, TKL	IIIB
33	Nandi	CC, Education, Agriculture, Prisons, C/Assembly, ICT Centre, Municipal, Public Works, Lands Admin, Lands Communication, TKL,	IIIB
34	Narok	Treasury, DCC Education, CRD, CDF, Children+Youth, Police, Governor, Public Works, Prison, Huduma, KNA, TKL	IIIB
35	Nyandarua	CC, Public Works, Education, Police, County Assembly, CDF, Huduma, Assembly, Governor	IIIB
36	Nyeri	CC, Eduaction+TSC, Regional DCIO, Regional Police, General hospital, Regional Prison, Women Prison, Police station, Police station 2, Men Prison, Governor, TKL, Huduma DCC	IIIB
37	Samburu	Treasury, Agriculture, Probation, KWS, Hospital, Huduma, TVET, Police	IIIB
38	Siaya	CC, Livestock, Labour, Huduma, KNA, KMTC, Police Station, Lands, Hospital, CRD, Treasury	IIIB
39	Taita Taveta	CC Server Room, CC County Hall, Youth Mwatate, DCC Server Room, Cooperative Development+VertinaryA+LivestockA, Probation+VertinaryB+NRB+LivestockB, Police Station, Sub county Hospital, Huduma, Eduaction+TSC, KNA, NDMA, Taita Taveta University	IIIB
40	Tana River	KNA, Hospital Admin, Hospital VCT, Hospital Paediatrics, Huduma, NIB, Planning, Agric VET, AP, Police Station, CPC, CC, CRD	IIIB
41	Tharaka Nithi	CC, Probation, Lands, CRD, KNA, Police Station, CC Kathwana Ground 1st 2nd Floor, Hospital Old Admin New Admin Outpatient Records MCH, Treasury	IIIB

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42	Trans Nzoia	CC, Medium Prison, Police station Wing A Wing B, Lands, District Hospital, KMTC	IIIB
43	Turkana	CC, Treasury+ODPP, Social serives+NRB+KNA CRD, Probatio KWS, Water agriculture+Youth & Gender, Referral Hospital, GK Prison, NDMA	IIIB
44	Vihiga	CC, Prison, ACC Vihiga, Huduma, Police Station, Police HQ, Mbale Police station, Referral Hospital (ICT Room+Accounts+CSSD), Vihiga Water	IIIB
45	Majir	CC, Huduma Centre, Police station, OCPD, Prisons, District Hospital+Aya House+ Radiology Regional Lab, KMTC, Lands+GIS, NLC+Disability, NDMA, County Roads, Governor, TKL	IIIB
46	West Pokot	Police station WingA, Wing B, Police service Board, Education +TSC, District Hospital, KMTC, Prison, CRD	IIIB

Appendix XI: Summary of Audit Findings on IP Based HiPath 4000 Network Phase I Implementation Sites

No	HiPath 1 Counties	Termination/ Implementation Site	Equipment Installed	Delivery	Status as at time of audit February 2022
(I) IP based HiPath 4000 Network Phase I Equipment in use					
1	Kilifi	Malindi TKL	Telephone (PBAX), Radio link and back up equipment	Yes	In use. Connected to internet
2	Kilifi	CRD	Data network, back up equipment	Yes	In use. Connected to internet
3	Kilifi	Treasury	Telephone (PBAX), Radio link Server room and back up equipment	Yes	In use. Connected to internet. Server room equipment relocated to the County Commissioner's office
4	Kitui	CRD	Data network, back up equipment	Yes	In use. Connected to internet
5	Meru	CRD	Data network, back up Equipment	Yes	In use. Connected to internet
6	Meru	DC	Telephone (PBAX), Radio link equipment, Server room and back up equipment	Yes	In use. Connected to internet
7	Mombasa	Telkom	Telephone (PBAX), Radio link and back up equipment	Yes	In use. HiPath equipment integrated with NOFBI equipment
8	Mombasa	Mombasa PCs Site	Data network, back up equipment	Yes	In use. Connected to internet
9	Mombasa	CRD	Data network, back up equipment	Yes	In use. Connected to internet
10	Mombasa	DC	Telephone (PBAX), Radio link equipment, Server room and back up equipment	Yes	In use. Connected to internet. At the server room power batteries that serve as back up when there is interruption in power supply were not functioning
11	Busia	CRD	Data network, back up equipment	Yes	In use. Connected to internet
12	Kakamega	CRD	Data network, back up equipment	Yes	In use. Connected to internet
13	Kisii	CRD	Data network, back up equipment	Yes	In use. Connected to internet
14	Kisumu	Kisumu TKL	Telephone (PBAX), Radio link, back up equipment	Yes	Radio Link equipment functional. HiPath equipment integrated with NOFBI equipment
15	Uasin Gishu	Eldoret TKL	Telephone (PBAX), Radio link, back up equipment	Yes	In use. Weak signal

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16	Embu	Embu TKL	Telephone (PBAX), Radio link equipment	Yes	In use. Integrated with NOFBI equipment
17	Embu	Regional Commissioner	Telephone (PBAX), Radio link equipment, Server room and back up equipment	Yes	In use. Connected to internet
18	Embu	CRD	Data network, back up Equipment	Yes	In use. Connected to internet
19	Embu	Treasury	Telephone (PBAX), Radio link, Server room and back up equipment	Yes	In use. Connected to internet
20	Isiolo	Isiolo TKL	Telephone (PBAX), Radio link, back up equipment	Yes	In use. Integrated with NOFBI equipment
21	Isiolo	CRD	Data network, back up equipment	Yes	In use. Connected to internet
22	Isiolo	Treasury	Telephone (PBAX), Radio link equipment, server room and back up equipment	Yes	In use. Connected to internet
23	Meru	CRD	Data network, back up equipment	Yes	In use. Connected to internet
24	Meru	CC	Telephone (PBAX), Radio link equipment, server room and back up equipment	Yes	In use. Connected to internet
25	Murang'a	Murang'a TKL	Telephone (PBAX), Radio link, back up equipment	Yes	In use. Integrated with NOFBI equipment
26	Murang'a	CC	Telephone (PBAX), Radio link equipment, server room and back up equipment	Yes	In use. Connected to internet
27	Murang'a	Education	Data network, back up Equipment	Yes	In use. Connected to internet
28	Laikipia	Nyahururu TKL	Telephone (PBAX), Radio link, back up equipment	Yes	In use. Integrated with NOFBI equipment
29	Nyeri	Nyeri TKL	Telephone (PBAX), Radio link, back up equipment	Yes	In use. Integrated with NOFBI equipment
30	Nyeri	RC	Telephone (PBAX), Radio link, server room and back up equipment	Yes	In use. Connected to internet
31	Nyeri	CRD	Data network, back up equipment	Yes	In use. Connected to internet
32	Nyeri	Treasury	Data network, back up equipment	Yes	In use. Connected to internet

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(II) IP based HiPath 4000 Network Phase I Equipment not functional						
33	Kitui	Kitui TKL	Telephone (PBAX), Radio link, back up equipment	Yes	Radio Link equipment not functional.	
34	Kitui	DC	Telephone (PBAX), Radio link equipment, server room equipment, LAN and back up equipment	Yes	Radio Link equipment not functional. Batteries that provide back up for Server Room equipment not functional.	
35	Mombasa	DC	Telephone (PBAX), Radio link equipment, Server room and back up equipment	Yes	At the server room power batteries that serve as back up when there is interruption in power supply were not functioning	
36	Busia	Busia TKL	Telephone (PBAX), Radio link, back up equipment	Yes	Radio Link equipment not functional.	
37	Busia	DC	Telephone (PBAX), Radio link equipment, Server room and back up equipment	Yes	Radio Link equipment not functional. At the server room power batteries that serve as back up were not functioning	
38	Kakamega	Kakamega TKL	Telephone (PBAX), Radio link, back up equipment	Yes	Radio Link equipment not functional.	
39	Kakamega	DC	Telephone (PBAX), Radio link equipment, Server room and back up equipment	Yes	Radio Link equipment not functional. At the server room power batteries that serve as back up were not functioning	
40	Kericho	Kericho TKL	Telephone (PBAX), Radio link and back up equipment	Yes	Radio Link equipment not functional	
41	Kericho	Treasury	Telephone (PBAX), Radio link equipment, Server room and back up equipment	Yes	Radio Link equipment not functional. Server room equipment relocated to County Commissioner Office. Batteries that serve as back up were not functioning	
42	Kisii	Kisii TKL	Telephone (PBAX), Radio link and back up equipment	Yes	Radio link equipment not functional.	

43	Kisii	Treasury	Telephone (PBAX), Radio link equipment, Server room and back up equipment	Yes	Radio Link equipment not functional- Server room equipment relocated to County Commissioner. Batteries that serve as back up when there is interruption in power supply were not functioning.
44	Kisumu	CRD	Data network, back up Equipment	Yes	Radio Link equipment not functional.
45	Kisumu	PC	Telephone (PBAX), Radio link equipment	Yes	Radio Link equipment not functional.
46	Uasin Gishu	DC	Telephone (PBAX), Radio link equipment, Server room and back up equipment	Yes	Radio link equipment not functional. At the server room, batteries that serve as a backup in case of disruption in power supply were not functioning
47	Embu	Governor	Telephone (PBAX), Radio link and back up equipment	Yes	Equipment not functional.
48	Meru	Meru TKL	Telephone (PBAX), Radio link and equipment	Yes	Equipment not functional.
49	Nakuru	Nakuru TKL	Telephone (PBAX), Radio link and equipment	Yes	Telephone (PABX) not functioning.
50	Nakuru	RC	Telephone (PBAX), Radio link equipment, Server room and back up equipment	Yes	Telephone (PABX) not functioning.
51	Nakuru	CC	Telephone (PBAX), Radio link equipment, Server room and back up equipment	Yes	Telephone (PABX) not functioning.
52	Laikipia	Nanyuki TKL	Telephone (PBAX), Radio link and back up equipment	Yes	Equipment not functional.

Appendix XII: Summary of Audit Findings on IP based HiPath 4000 Network Project Implementation Sites Phase II A and Phase II B

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S/No.	Counties	Implementation Sites	Project Phase	Equipment Installed	Delivery	Status as at time of audit February 2022
1	Kilifi	CC	IIB	Data network and back up equipment	Yes	In use. Connected to internet
2	Kilifi	Education	IIB	Data network and back up equipment	Yes	In use. Connected to internet
3	Kilifi	CRD/ NRB	IIB	Data network and back up equipment	Yes	In use. Connected to internet
4	Kilifi	Treasury	IIB	Data network and back up equipment	Yes	In use. Connected to internet
5	Kilifi	Governor	IIB	Data network and back up equipment	Yes	In use. Connected to internet
6	Kilifi / Malindi	DC	IIA	Data network and back up equipment	Yes	In use. Connected to internet
7	Kitui	Governor	IIA	Data network and back up equipment	Yes	In use. Connected to internet
8	Kwale	CC	IIB	Server room, data network, back up equipment	Yes	In use. Connected to internet
9	Kwale	Education	IIB	Data network and back up equipment	Yes	In use. Connected to internet
10	Kwale	CRD	IIB	Data network and back up equipment	Yes	In use. Connected to internet
11	Kwale	Treasury	IIB	Data network and back up equipment	Yes	In use. Connected to internet
12	Kwale	Governor/ ICT	IIB	Data network and back up equipment	Yes	In use. Connected to internet
13	Makueni	CC	IIB	Data network and back up equipment	Yes	In use. Connected to internet
14	Mombasa	Governor	IIA	Data network and back up equipment	Yes	In use. Connected to internet
15	Taita Taveta	DCC	IIB	Data network and back up equipment	Yes	In use. Connected to internet
16	Taita Taveta	CRD	IIB	Data network and back up equipment	Yes	In use. Connected to internet

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17	Taita Taveta	Treasury	IIB	Data network and back up equipment	Yes	In use. Connected to internet
18	Taita Taveta	Governor	IIB	Data network and back up equipment	Yes	In use. Connected to internet
19	Kajiado	CC	IIB	Data network and back up equipment	Yes	In use. Connected to internet
20	Kajiado	Governors	IIB	Data network and back up equipment	Yes	In use. Connected to internet
21	Kirinyaga	CC	IIB	Server room, data network, back up equipment	Yes	In use. Connected to internet.
22	Kirinyaga	Governor	IIB	Data network and back up equipment	Yes	In use. Connected to internet.
23	Laikipia	Rumuruti DCC	IIB	Data network, Server room, back up equipment	Yes	In use. Connected to internet.
24	Laikipia	Rumuruti Education	IIB	Data network and back up equipment	Yes	In use. Connected to internet.
25	Laikipia	Rumuruti CRD	IIB	Data network and back up equipment	Yes	In use. Connected to internet.
26	Laikipia	Rumuruti Treasury	IIB	Data network and back up equipment	Yes	In use. Connected to internet.
27	Laikipia	Rumuruti Governor	IIB	Data network and back up equipment	Yes	In use. Connected to internet.
28	Laikipia	Nyahururu Governor	IIB	Data network and back up equipment	Yes	In use. Connected to internet.
29	Murang'a	Governor	IIB	Data network and back up equipment	Yes	In use. Connected to internet.
30	Nakuru	Governor	IIB	Data network and back up equipment	Yes	In use. Connected to internet.
31	Bomet	CRB	IIB	Data network and back up equipment	Yes	In use. Connected to internet.
32	Bomet	Treasury	IIB	Data network and back up equipment	Yes	In use. Connected to internet.
33	Bomet	Governor	IIB	Data network and back up equipment	Yes	In use. Connected to internet.

34	Busia	Governor	IIA	Radio link, data network, back up equipment	Yes	In use. Connected to internet.
35	Kisumu	Governor	IIA	Data network and back up equipment	Yes	In use. Connected to internet.
36	Kisii	Governor	IIA	Data network and back up equipment	Yes	In use. Connected to internet and had an alternative Internet Service Provider
37	Isiolo	Governor	IIA	Radio link, data network, back up equipment	Yes	In use. Connected to internet and had an alternate Internet Service Provider
38	Meru	Governor	IIA	Data network and back up equipment	Yes	In use. Connected to internet and had an alternative Internet Service Provider
39	Nyeri	Governor	IIA	Data network and back up equipment	Yes	In use. Connected to internet and had an alternative Internet Service Provider
40	Uasin Gishu	Governor	IIA	Data network and back up equipment	Yes	In use. Connected to Internet and had an alternative Internet Service Provider.
41	Makueni	Governor	IIB	Data network and back up equipment	Yes	In use, connected to internet and had an alternative Internet Service Provider
42	Bomet	CC	IIB	Server room, data network, back up equipment	Yes	In use. Connected to internet. However, backup batteries at the Server room not functioning, resulting in disruption of service whenever there is disruption in electricity supply
43	Taita Taveta	Education	IIB	Data network and back up equipment	Yes	In use. Connected to internet, 1 UPS faulty
44	Kajiado	CRD	IIB	Data network and back up equipment	Yes	In use. Connected to internet. 1 UPS faulty
45	Kajiado	Education	IIB	Data network and back up equipment	Yes	In use. Connected to internet. 1 UPS faulty

46	Laikipia	Nanyuki Governor	IIA	Data network and back up equipment	Yes	Equipment not in use and had an alternative Internet Service Provider
47	Embu	Governor	IIA	Data network and back up equipment	Yes	Equipment not in use and had an alternative service provider
48	Kericho	Governor	IIA	Radio link, data network, back up equipment	Yes	Radio link equipment not in use. Construction of high-rise equipment interfered with line of site, data network equipment integrated with NOFBI equipment
49	Kakamega	Governor	IIA	Radio link, data network, back up equipment	Yes	Radio link equipment not in use. IP phones not connected. Connected to internet and have also contracted an alternative internet service provider.

Appendix XIII: Summary of Audit Findings on IP Based HiPath 4000 Network Phase IIIA and Phase IIIB Implementation Sites

S/No.	Counties	Implementation Sites	Project Phase	Equipment Installed	Delivery	Status as at time of audit February 2022
(I) IP based HiPath 4000 Network Phase III Equipment in Use						
1	Kilifi	Treasury	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
2	Kilifi	Probation	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
3	Kilifi	Law Court	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
4	Kilifi	AP/NRB/Agric	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
5	Kilifi	Children Office	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
6	Kilifi	Police Station	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
7	Kilifi	Governor	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
8	Kilifi	Old Education	IIIA	Data network, back up equipment	Yes	In use. Connected to internet.

9	Kitui	Social services	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
10	Kitui	CC	IIIB	Data network, back up equipment, LAN	Yes	In use. Connected to internet, however, backup batteries in server room were not functioning
11	Kitui	Governor	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
12	Kitui	Police ground& 1st floor	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
13	Kitui	Prison main	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
14	Kitui	Women Prison	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
15	Kitui	Treasury	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
16	Kitui	Probation	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
17	Kitui	Education	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
18	Kitui	TKL	IIIB	Data network, back up equipment	Yes	In use. Integrated with NOFBI Equipment

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19	Kitui	County ICT		IIIB		Data network, back up equipment	Yes	In use. Connected to internet
20	Kitui	NRB		IIIB		Data network, back up equipment	Yes	In use. Connected to internet
21	Kwale	CC		IIIA		Data network, back up equipment	Yes	In use. Connected to internet
22	Kwale	Old Education		IIIA		Data network, back up equipment	Yes	In use. Connected to internet
23	Kwale	TSC		IIIA		Data network, back up equipment	Yes	In use. Connected to internet
24	Kwale	Police Station		IIIA		Data network, back up equipment	Yes	In use. Connected to internet
25	Kwale	CRD		IIIA		Data network, back up equipment	Yes	In use. Connected to internet
26	Kwale	Geology Mining		IIIA		Data network, back up equipment	Yes	In use. Connected to internet
27	Makueni	CC		IIIB		Data network, back up equipment	Yes	In use. Connected to internet
28	Makueni	Remand Prison		IIIB		Data network, back up equipment	Yes	In use. Connected to internet
29	Makueni	Police HQ		IIIB		Data network, back up equipment	Yes	In use. Connected to internet
30	Makueni	Referral Hospital		IIIB		Data network, back up equipment	Yes	In use. Connected to internet

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31	Makueni	Ass County Commissioner	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
32	Makueni	Chief Camp	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
33	Mombasa	CC	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
34	Mombasa	4th Floor-Education and TSC	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
35	Mombasa	7th Floor- National AIDS, CDF, KNBS, RPC and NLC	IIIB	Data network, back up equipment, LAN	Yes	In use. Connected to internet
36	Mombasa	8th Floor-RC	IIIB	Data network, back up equipment, LAN	Yes	In use. Connected to internet
37	Mombasa	9th Floor-AP	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
38	Mombasa	Treasury Ground Floor	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
39	Mombasa	Treasury 1st Floor	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
40	Taita Taveta	CC Server Room	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
41	Taita Taveta	CC County Hall	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
42	Taita Taveta	Youth Mwatate	IIIB	Data network, back up equipment	Yes	In use. Connected to internet

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43	Taita Taveta	DCC Server Room	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
44	Taita Taveta	Cooperative Development+VertinaryA+LivestockA, Probation+VertinaryB+NRB+LivestockB	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
45	Taita Taveta	Police Station	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
46	Taita Taveta	Education+ TSC	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
47	Taita Taveta	KNA	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
48	Taita Taveta	Prisons	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
49	Taita Taveta	NDMA	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
50	Kajiado	CC	IIIB	Data network, back up equipment, 18 Metres Communication Mast	Yes	In use. Connected to internet
51	Kajiado	ODPP	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
52	Kajiado	NEMA	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
53	Kajiado	County Assembly	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
54	Kajiado	Kajiado Police station	IIIB	Data network, back up equipment	Yes	In use. Connected to internet

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55	Kajiado	Housing Department	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
56	Kajiado	Kajiado Hospital	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
57	Embu	CC	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
58	Embu	NRB/VET/AP	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
59	Embu	Agriculture	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
60	Embu	DCIO/Police	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
61	Embu	Regional Police HQ	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
62	Embu	Min Land	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
63	Embu	Regional Residence	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
64	Isiolo	CC	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
65	Isiolo	Public Works	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
66	Isiolo	CDF	IIIA	Data network, back up equipment	Yes	In use. Connected to internet

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67	Isiolo	NDMA		IIIA		Data network, back up equipment	Yes	In use. Connected to internet
68	Isiolo	AP		IIIA		Data network, back up equipment	Yes	In use. Connected to internet
69	Isiolo	Huduma Centre		IIIA		Data network, back up equipment	Yes	In use. Connected to internet and had also contracted an alternate Internet Service Provider
70	Isiolo	KMTC		IIIA		Data network, back up equipment	Yes	In use. Connected to internet
71	Isiolo	Education		IIIA		Data network, back up equipment	Yes	In use. Connected to internet
72	Kirinyaga	Revenue		IIIA		Data network, back up equipment	Yes	In use. Connected to internet
73	Kirinyaga	Economic Planning		IIIA		Data network, back up equipment	Yes	In use. Connected to internet
74	Kirinyaga	Police		IIIA		Data network, back up equipment	Yes	In use. Connected to internet
75	Laikipia	Nyahururu DCC		IIIB		Data network, back up equipment	Yes	In use. Connected to internet
76	Laikipia	Rumuruti Lands		IIIB		Data network, back up equipment	Yes	In use. Connected to internet

77	Laikipia	Nanyuki Treasury	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
78	Laikipia	Nyahururu CRD	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
79	Laikipia	Rumuruti DCIO	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
80	Laikipia	Rumuruti Prison	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
81	Laikipia	Rumuruti Public Health+Vertinary	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
82	Meru	Probation	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
83	Meru	County Assembly	IIIA	Data network, back up equipment	Yes	In use. Connected to internet and had also contracted an alternate Internet Service Provider
84	Meru	Ardhi	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
85	Meru	Police	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
86	Meru	Huduma	IIIA	Data network, back up equipment	Yes	In use. Connected to internet

87	Meru	Public Works	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
88	Meru	KMTC Main	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
89	Meru	KNA	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
90	Meru	Hospital	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
91	Meru	KURA	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
92	Meru	Prison Men	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
93	Meru	Women Prison	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
94	Murang'a	CRD	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
95	Murang'a	Men+Women Prison	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
96	Murang'a	Hospital	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
97	Murang'a	KMTC	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
98	Murang'a	Adult Education	IIIB	Data network, back up equipment	Yes	In use. Connected to internet

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99	Murang'a	Police DCIO+CID	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
100	Murang'a	Huduma Centre	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
101	Nakuru	Lands	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
102	Nakuru	Regional Prison	IIIA	Data network, back up equipment	Yes	In use. Connected to internet. 1 UPS faulty
103	Nakuru	DCIO	IIIA	Data network, back up equipment	Yes	In use. Connected to internet. 1 UPS faulty
104	Nakuru	Regional Police	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
105	Nakuru	Central Police	IIIA	Data network, back up equipment	Yes	In use. Connected to internet. 1 UPS faulty
106	Nyeri	Education	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
107	Nyeri	Regional Police	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
108	Nyeri	Nyeri Provisional General Hospital	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
109	Nyeri	Regional Prison	IIIB	Data network, back up equipment	Yes	In use. Connected to internet

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110	Nyeri	Central Police Station	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
111	Bomet	CC	IIIB	Radio link, 18 Metres high mast, data network, back up equipment	Yes	In use. Connected to internet. However, the access control system at the Server Room was damaged by lightning.
112	Bomet	Children	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
113	Bomet	Social Services	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
114	Bomet	Prisons	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
115	Bomet	Police	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
116	Bomet	Hospital	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
117	Bomet	DCIO	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
118	Busia	CC	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
119	Busia	Probation	IIIB	Data network, back up equipment	Yes	In use. Connected to internet

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120	Busia	Police	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
121	Busia	Prisons	IIIB	Data network, back up equipment	Yes	In use. Connected to internet, also supplied with 12 IP phones, out of which 6 were not functioning due to challenges in connectivity.
122	Busia	Referral Hospital	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
123	Busia	Treasury	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
124	Busia	CRD& Labour	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
125	Busia	TKL	IIIB	Data network, back up equipment	Yes	In use. HiPath equipment integrated with NOFBI equipment
126	Kakamega	CC	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
127	Kakamega	RC	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
128	Kakamega	RC Block B	IIIB	Data network, back up equipment	Yes	In use. Connected to internet

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129	Kakamega	RC Block C	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
130	Kakamega	Survey\Adult\Education\Sports\Probation\WEF, Social services\Culture\Coop\Education sub County	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
131	Kakamega	TSC sub county	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
132	Kakamega	Education	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
133	Kakamega	Sub County Education	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
134	Kakamega	Forest	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
135	Kakamega	Labour	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
136	Kakamega	Youth Empowerment Centre- Lurambi	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
137	Kakamega	CRD	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
138	Kakamega	Governor	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
139	Kakamega	TKL	IIIB	Data network, back up equipment	Yes	In use. Integrated HIPath equipment with

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						NOFBI equipment
140	Kericho	CC	IIIB	Data network, back up equipment and renovations at the Server Room	Yes	In use. Connected to internet
141	Kericho	Children	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
142	Kericho	CRD&Probation/ NRB	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
143	Kericho	KNA	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
144	Kericho	Sub County Education	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
145	Kericho	Agric&Livestock	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
146	Kericho	Labour	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
147	Kericho	Traffic Police&CID	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
148	Kericho	Police station	IIIB	Data network, back up equipment	Yes	In use. Connected to internet
149	Kericho	County Referral Hospital	IIIB	Data network, back up equipment	Yes	In use. Connected to internet

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150	Kisii	CC	IIIB		Data network, back up equipment	Yes	In use. Connected to internet
151	Kisii	Men Prison	IIIB		Data network, back up equipment	Yes	In use. Connected to internet
152	Kisii	Education	IIIB		Data network, back up equipment	Yes	In use. Connected to internet
153	Kisii	Probation&social Service	IIIB		Data network, back up equipment	Yes	In use. Connected to internet
154	Kisii	Police station	IIIB		Data network, back up equipment	Yes	In use. Connected to internet
155	Kisii	Kisii Police HQ	IIIB		Data network, back up equipment	Yes	In use. Connected to internet
156	Kisii	CRD & children	IIIB		Data network, back up equipment	Yes	In use. Connected to internet
157	Kisii	Women Prison	IIIB		Data network, back up equipment	Yes	In use. Connected to internet
158	Kisumu	Wing A- Ground Floor- CC/Treasury	IIIA		Data network, back up equipment	Yes	In use. Connected to internet
159	Kisumu	Wing A- 1st Floor- KNA/ Immigration	IIIA		Data network, back up equipment	Yes	In use. Connected to internet. Explained that 1 UPS was taken to SOULCO for repairs

160	Kisumu	Wing A- 2nd Floor- County Offices- Governor's office	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
161	Kisumu	Wing A- 3rd- Floor- Education (NG)	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
162	Kisumu	Wing A- 4th Floor- ICT/ AP	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
163	Kisumu	Wing A- 6th Floor- AG	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
164	Kisumu	Wing A- 8th Floor- County Government/ Ministry of Energy	IIIA	Data network, back up equipment, LAN	Yes	In use. Connected to internet. Explained 1 UPS reported stolen
165	Kisumu	Wing A- 10th Floor- TSC/ Sports	IIIA	Data network, back up equipment, LAN	Yes	In use. Connected to internet
166	Kisumu	Wing A- 11th Floor- County water and Envir	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
167	Kisumu	Wing B- 1st Floor- Min Commerce	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
168	Kisumu	Wing B- 2nd Floor- County Offices	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
169	Kisumu	Wing B- 3rd Floor- Adult Edu/ TVET	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
170	Kisumu	Wing B- 4th Floor- RC	IIIA	Data network, back up equipment	Yes	In use. Connected to internet

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171	Kisumu	Wing B- 5th Floor- KFCC/ Youth & Coop	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
172	Kisumu	Wing B- 7th Floor- County Department of Health	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
173	Kisumu	Wing B- 8th Floor- ICT Dept./ Gender	IIIA	Data network, back up equipment, LAN	Yes	In use. Connected to internet
174	Kisumu	Wing B- 10th Floor- County Tourism	IIIA	Data network, back up equipment, LAN	Yes	In use. Connected to internet
175	Kisumu	Wing C- Ground Floor- NRB, NOFBI Site	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
176	Kisumu	Wing C- 1st Floor- CRD	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
177	Kisumu	Wing C- 2nd Floor- County Offices/Agri & Fisheries	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
178	Kisumu	Wing C- 3rd Floor- National Archives	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
179	Kisumu	Wing C- 4th Floor- CC	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
180	Kisumu	Wing C- 5th Floor- County Got- Livestock Dept.	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
181	Kisumu	Wing C- 6th Floor- Broadcasting Dept.	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
182	Kisumu	Wing C- 7th Floor- Regional ICT/ National NGO Board	IIIA	Data network, back up equipment	Yes	In use. Connected to internet

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183	Kisumu	Wing C- 8th Floor- Education/ County Offices, TRA, Children& Probation	IIIA	Data network, back up equipment, LAN	Yes	In use. Connected to internet
184	Kisumu	Wing C- 10th Tourism Regulatory Authority (TRA)/ Women Enterprise Fund	IIIA	Data network, back up equipment, LAN	Yes	In use. Connected to internet
185	Kisumu	Wing C- 11th Floor- Children & Probation	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
186	Kisumu	Wing C- 11th Floor- Children & Probation	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
187	Uasin Gishu	CC	IIIA	Data network, back up equipment, LAN on 1st Floor	Yes	In use. Connected to internet
188	Uasin Gishu	Probation & Livestock	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
189	Uasin Gishu	CDF Soi	IIIA	Data network, back up equipment	Yes	In use. Connected to internet, 1 UPS missing, explained that it was taken to SOULCO for repairs
190	Uasin Gishu	Economic Planning	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
191	Uasin Gishu	Law Courts	IIIA	Data network, back up equipment	Yes	In use. Connected to internet
192	Uasin Gishu	Governor	IIIA	Data network, back up equipment	Yes	In use. Connected to internet

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(II) IP based HiPath 4000 Network Phase III equipment not in use						
193	Kisii	KMTC		IIIB	Data network, back up equipment	Yes Equipment not in use. Had contracted an alternative Internet Service Provider
194	Makueni	KMTC		IIIB	Data network, back up equipment	Yes Equipment not in use. Had contracted an alternative Internet Service Provider
195	Taita Taveta	Huduma		IIIB	Data network, back up equipment	Yes Equipment not in use. Had contracted an alternative Internet Service Provider
196	Taita Taveta	Taita Taveta University		IIIB	Data network, back up equipment	Yes Equipment not in use. Had contracted an alternative Internet Service Provider
197	Kilifi	Huduma		IIIA	Data network, back up equipment	Yes Equipment not in use. Had contracted an alternative Internet Service Provider
198	Kilifi	Lands Office		IIIA	Data network, back up equipment	Yes Equipment not in use. Had contracted an alternative

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						Internet Service Provider
199	Kilifi	Hospital	IIIA	Data network, back up equipment	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider
200	Kitui	Tanathi water	IIIB	Data network, back up equipment	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider
201	Kitui	Huduma	IIIB	Data network, back up equipment	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider
202	Kwale	Lands	IIIA	Data network, back up equipment	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider
203	Kwale	Hospital	IIIA	Data network, back up equipment	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider
204	Kwale	Huduma	IIIA	Data network, back up equipment	Yes	Equipment not in use. Had contracted an

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205	Makueni	County Assembly	IIIB	Data network, back up equipment	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider
206	Makueni	Wote TTTI	IIIB	Data network, back up equipment	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider
207	Makueni	KMTC Admin	IIIB	Data network, back up equipment	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider
208	Taita Taveta	Sub County Hospital	IIIB	Data network, back up equipment	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider
209	Embu	Huduma Centre	IIIA	Data network, back up equipment	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider

210	Kisii	Referral Hospital	IIIB	Data network, back up equipment	Yes	Equipment not in use. Internet connection by ICT Authority disabled, due to concerns with safety and confidentiality of patient data. Have alternative ISP
211	Kajiado	Huduma Centre	IIIB	Data network, back up equipment	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider
212	Bomet	Huduma Centre	IIIB	Data network, back up equipment	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider
213	Kisii	TSC	IIIB	Data network, back up equipment	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider
214	Kisii	Lands	IIIB	Data network, back up equipment	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider

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215	Kisii	Huduma	IIIB	Data network, back up equipment	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider
216	Kisumu	Wing B- Ground Floor- Huduma	IIIA	Data network, back up equipment	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider
217	Uasin Gishu	Lands	IIIA	Data network, back up equipment	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider
218	Uasin Gishu	Huduma Centre	IIIA	Data network, back up equipment, LAN for entire Office	Yes	Equipment not in use. Had contracted an alternative Internet Service Provider
219	Kilifi	National Drought Management Authority	IIIA	Data network, back up equipment	Yes	Equipment not in use.
220	Embu	Regional Immigration	IIIA	Data network, back up equipment	Yes	Equipment not in use.
221	Mombasa	Ground Floor- National Council for Person with Disability	IIIB	Data network, back up equipment	Yes	Equipment not in use
222	Mombasa	2nd Floor-Women Enterprise Fund	IIIB	Data network, back up equipment	Yes	Equipment not in use

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223	Mombasa	5th Floor-Health	IIIB	Data network, back up equipment	Yes	Equipment not in use
224	Kajiado	KeRRA office	IIIB	Data network, back up equipment	Yes	Equipment not in use
225	Isiolo	Law Courts	IIIA	Data network, back up equipment	Yes	Equipment not in use since the client moved to a new building
226	Kisii	KeRRA office	IIIB	Data network, back up equipment	Yes	Equipment not in use, switched off due to fibre cut
227	Mombasa	3rd Floor- Immigration Office	IIIB	Data network, back up equipment	Yes	Equipment not in use.
228	Kisumu	Wing A- 7th Floor- ODPP	IIIA	Data network, back up equipment	Yes	Equipment not in use.
229	Kakamega	ODPP	IIIB	Data network, back up equipment	Yes	Equipment not in use.
230	Mombasa	1st Floor- Lands	IIIB	Data network, back up equipment	Yes	Equipment not in use. Trunking for the HiPath equipment used together with the power equipment was damaged
231	Embu	ODPP	IIIA	Data network, back up equipment	Yes	Equipment not in use. Connected to internet but equipment was switched off due to disconnection of electricity.

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232	Isiolo	Probation/Children/Social Services	IIIA	Data network, back up equipment	Yes	Equipment not in use. Connected to internet but equipment was switched off due to disconnection of electricity.
233	Kirinyaga	Lands survey	IIIA	Data network, back up equipment	Yes	Equipment not in use. Connected to internet but equipment was switched off due to disconnection of electricity.
234	Isiolo	NRB	IIIA	Data network, back up equipment	Yes	Equipment not in use. No internet connection as a result of a faulty switch
235	Kirinyaga	Huduma Centre	IIIA	Data network, back up equipment	Yes	Equipment not in use. Not connected to internet as a result of a fibre cut in October 2021
236	Kirinyaga	Public Works	IIIA	Data network, back up equipment	Yes	Equipment not in use. Not connected to internet as a result of a fibre cut in October 2021
237	Kirinyaga	Veterinary	IIIA	Data network, back up equipment	Yes	Equipment not in use. Not connected to

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238	Kirinyaga	Fisheries		IIIA	Data network, back up equipment	Yes	Equipment not in use. Not connected to internet as a result of a fibre cut in October 2021	internet as a result of a fibre cut in October 2021
239	Kirinyaga	Prisons		IIIA	Data network, back up equipment	Yes	Equipment not in use. Not connected to internet as a result of a fibre cut in October 2021	Equipment not in use. Not connected to internet as a result of a fibre cut in October 2021
240	Kwale	Treasury		IIIA	Data network, back up equipment	Yes	Equipment not in use. Connected to internet but equipment was switched off due to disconnection of electricity.	Equipment not in use. Connected to internet but equipment was switched off due to disconnection of electricity.
241	Uasin Gishu	Police Station		IIIA	Data network, back up equipment	Yes	Equipment not in use. Switched off due to internal power connection issues	Equipment not in use. Switched off due to internal power connection issues