

**AFRICA CENTRE OF EXCELLENCE IN PUBLIC HEALTH AND TOXICOLOGICAL  
RESEARCH  
UNIVERSITY OF PORT HARCOURT**

**DESCRIPTION OF THE PUTOR INFRASTRUCTURE**

## **Introduction**

### **ACE IMPACT Project**

The African Centres of Excellence (ACE) impact project was designed to improve the quality, quantity of PG education and improve regional specialisation and participation. ACEs like PUTOR were set-up to be regional Centres that would promote collaboration and interdisciplinary research; build strong reputation for excellence; support teaching, learning, assessment of students; provide uninterrupted research and learning Calendar.

ACE-PUTOR emerged from the 2018 round of competitive bid for Africa Centre of Excellence (ACE) in various fields of human endeavour offered in African Universities. The University of Port Harcourt successfully attracted another African Centre of Excellence focused on Public Health and Toxicological Research (ACE-PUTOR) during this exercise. This was an addition to the existing Centre of Excellence for Oilfield Chemical Research which had recorded impressive performance in the last round of selection of ACE 1 Centres and was renewed in the current round of screening. The emergence of ACE-PUTOR made the University of Port Harcourt one of twelve in Nigeria hosting ACE impact projects and one of three (including Bayero University and University of Lagos) hosting two ACE-Impact projects each.

### **Brief description of Centre**

The Africa Centre of Excellence in Public Health and Toxicological Research (ACE-PUTOR) is a regional Centre established to promote collaboration and interdisciplinary research; improve the practice of public health, biochemistry, toxicology, and nursing; produce cutting –edge research projects to solve public health issues arising from oil and gas sectors and undertake consultancy and community services. The Centre is support by the World Bank Group (WBG), French Development Agency (AFD), the Association of African Universities (AAU) and the National Universities Commission (NUC).

### **VISION**

To be a centre for innovative research and academic training, recognised for local relevance, international excellence and global impacts in public health, toxicology and nursing sciences.

### **MISSION**

To provide an enabling environment for students and faculties to discover and nurture their full potentials in delivering innovative research and human capacity development.

## OBJECTIVES

1. To develop and effectively manage relevant postgraduate programmes in public health, toxicology and nursing science.
2. To deliver relevant short courses in public health, toxicology and nursing science to mid-career professionals.
3. To enhance participation of students and faculties in internships & exchange experiences.
4. To develop local, regional and international partnerships and linkages with industries, public sectors and academic institutions.
5. To implement priority interventions focused on remediation of developmental challenges related to public health, toxicology, and nursing.

### ACADEMICS

The available postgraduate programmes in the ACE-PUTOR include:

#### PhD

- Environment Health
- Environmental Toxicology
- Nutritional Biochemistry/Toxicology
- Midwifery
- Child Health Nursing
- Public Health

#### MSC

- Midwifery/Child Health Nursing
- Public Health Nursing
- Fertility Nursing
- Environmental & Petroleum Toxicology

#### PGD

- Nursing
- Environmental & Petroleum Toxicology

### Programmes Accreditation

Programme	Level	National	International
Environmental Health	PhD	NUC	RSB
Midwifery/Child Health Nursing	MSc	NUC	RSB
Public Health Nursing	MSc	NUC	RSB
Fertility Nursing	MSc	NUC	
Midwifery	PhD	NUC	RSB
Child Health Nursing	PhD	NUC	RSB
Environmental Toxicology	PhD	NUC	RSB
Environmental & Petroleum Toxicology	MSc	NUC	RSB
Environmental & Petroleum Toxicology	PhD	NUC	RSB

## RESEARCH

Research is core to the activity of the centre and key areas will focus on health issue related to oil and gas exploration and exploitation. The nature of research conducted in the Centre include reviews (narrative and systematic) and empirical (observational and interventional) research that would improve the health of the community and enhance the efficiency and effectiveness of public and environmental health system as an integral part of the overall socioeconomic development of the people. Faculty expertise and industrial partners will be involved in the supervision of research projects in the Centre.

The scope of research undertaken in the ACE-PUTOR are aimed at investigating and remediating health issues arising from oil and gas exploration in the region.

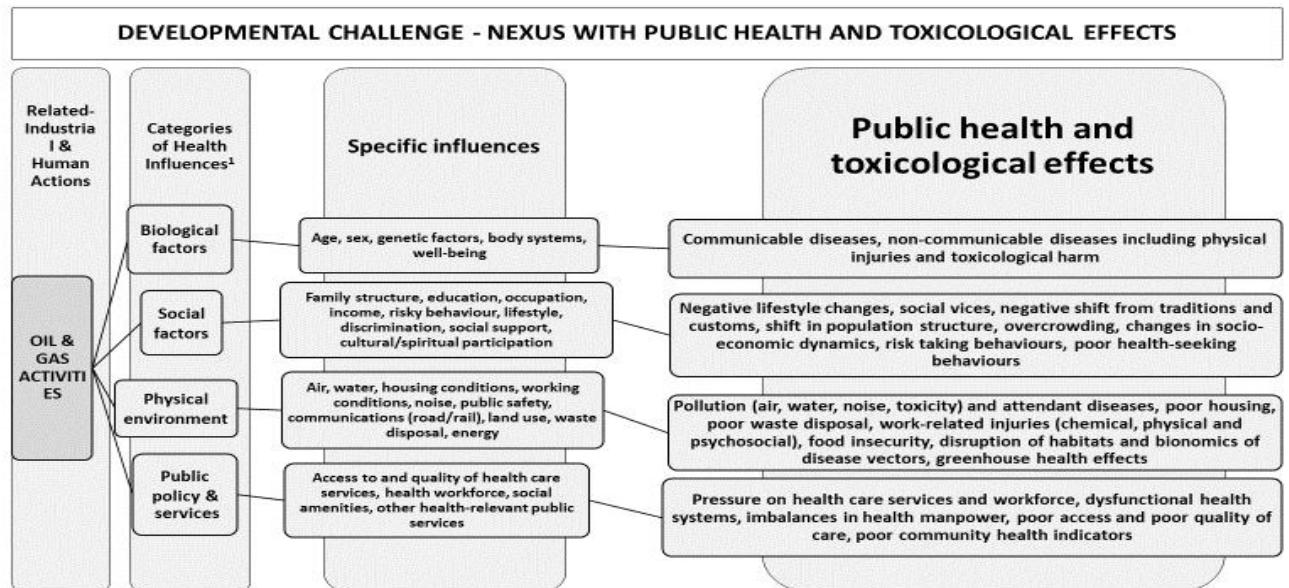


Figure 2. Public health and toxicological link with challenge

The Centre had developed high calibre human resources with the requisite teaching skills and research abilities, to handle the public health and environmental challenges hindering sustainable development in regions of Africa where oil and gas activities are on-going (Figure 1).

A comprehensive research management system was developed for the Centre since inception. All research carried out by students and faculties in the Centre utilize sound and rigorous methodologies and are conducted using standard facilities, reliable and valid tools. A repository is maintained for all research outputs of the Centre for future reference; and there is adequate support for disseminating the research findings during local, regional, and international conferences and publication in top-rated journals in related disciplines. The annual research fair of the Centre serves as a means for dissemination of the research undertaken in the Centre. This would promote adequate uptake of the evidence by industries and sector stakeholders including government and policy makers.

The research agenda of the Centre was planned in collaboration with the stakeholders in the sectors and industries. Efforts was made to ensure that this agenda is tailored to meet the local needs of the industries and the sector. The review of the research agenda is done annually in collaboration with the stakeholders on completion of each trench of research in the Centre. To achieve the research plans of the Centre, there are concerted efforts to guarantee additional investment in human and infrastructural facilities such as creation of laboratories, re-training of staff, providing access to online resources including bibliographic databases and facilitating networking with international faculties.

## DEVELOPMENTAL CHALLENGES – INTERDISCIPLINARY SOLUTIONS

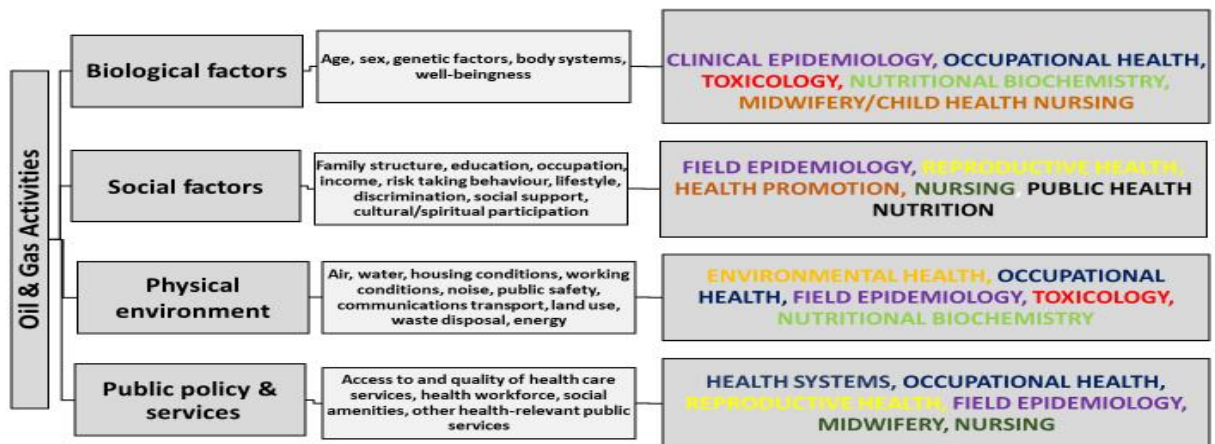


Figure 3. Inter-disciplinary solutions to developmental challenge

All master's and PhD students shall be required to submit hard and electronic versions of their thesis or dissertation (examination and final corrected versions). Submission of the electronic version shall be via the Centre's Electronic Thesis Submission System.

This policy relates to the preparation and examination of doctoral and master's degrees at the Africa Centre for Excellence in Public Health and Toxicological Research (ACE-PUTOR).

This applies to both full-time and part-time students and should be used in conjunction with extant regulation on research in the University of Port Harcourt such as: The University of Port Harcourt Research Management Policy (SP/2012-2013/027Fii), the University of Port Harcourt Strategic Research Plan 2012 – 2016 (SP/2012-2013/027 Fiii), the University of Port Harcourt Intellectual Property Policy (SP/2012-2013/027Fiv) and the University of Port Harcourt Standard Operating Procedures for Research Ethics Committee (SP/2012-2013/027Fv).

## INFRASTRUCTURE TO SUPPORT ACADEMICS AND RESEARCH



### Summary of the spaces

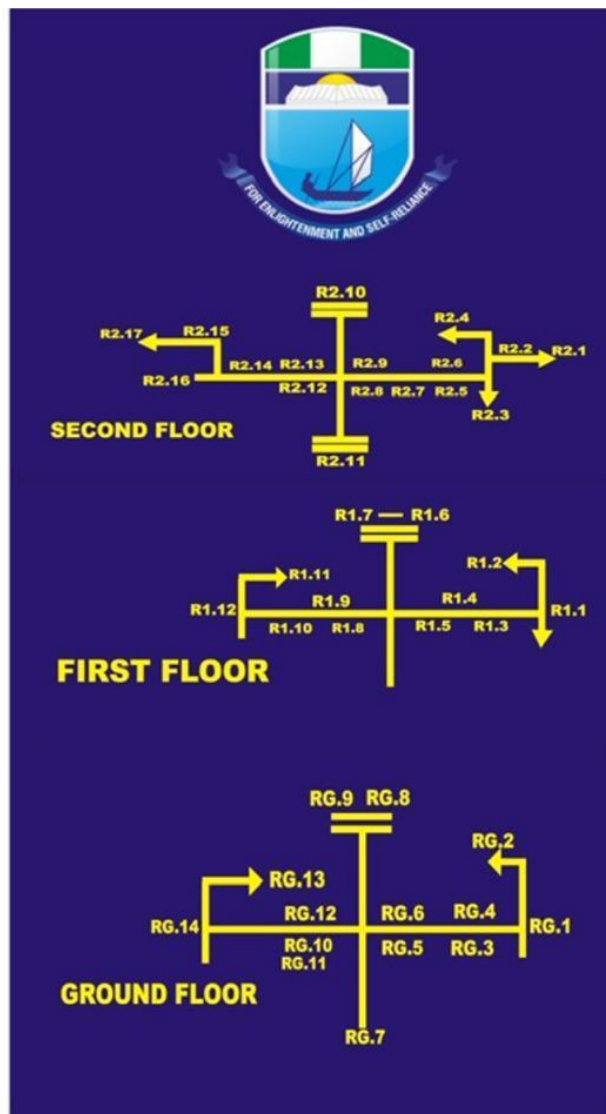
- 5 smart classrooms
- 15 furnished offices for workers
- 3 project offices
- 1 Seminar Room

- 1 Video-conferencing room
- 1 Board Room
- 1 doctoral hub
- 3 receptions
- 6 laboratories (Biochemistry/Toxicology, Nursing skills, public health skills, digital skills, clinical simulation laboratories, FGN-HYPREP)
- Library and book shop
- Reading commons
- Kitchen and restaurant
- 27 Toilet Units

### NAVIGATING THE SPACES IN THE PUTOR BUILDING

FLOOR	Area
<b>Level G</b>	RG.1: 102-Seater lecture Hall
	RG.2: Female Toilets
	RG.3: IT/Server Room
	RG.4: HSE Manager
	RG.5: Video Conferencing room
	RG.6: Facility Manager
	RG.7: Reception
	RG.8: Restaurant
	RG.9: Power Control Room (1)
	RG.10: 72-seater Lecture Hall
	RG.11: Utility room
	RG.12: 42- Seater Lecture Hall
	RG.13: Male Toilets
	RG.14: Biochemistry/Toxicology Laboratory
<b>Level 1</b>	R1.1: Library & Bookstore
	R1.2: Female Toilets
	R1.3: Digital Skills Laboratory
	R1.4: Clinical Simulation Laboratory
	R1.5: Librarian Office
	R1.6: Nursing Skills Laboratory
	R1.7: Power Control Room (2)
	R1.8: Seminar Room
	R1.9: Doctoral Hub
	R1.10: Project Office
	R1.11: Male Toilets
	R1.12: Public Health Skills Laboratory
<b>Level</b>	R2.1: Partnership Coordinator
	R2.2: General Office
	R2.3: Administration
	R2.4: Female Toilets
	R2.5: Programme Coordinators
	R2.6: Visiting Scholars

	R2.7: Academic Coordinator/M&E Officer
	R2.8: Accounts
	R2.9: Faculty Office
	R2.10: Conference Hall
	R2.11: Board Room
	R2.12: Centre Leader
	R2.13: Safeguard Office
	R2.14: Deputy Center Leader
	R2.15: Male Toilets
	R2.16: FGN-HYPREP
	R2: 17: Reading Commons
<b>Outside</b>	Security Post



- G-Level (GUIDE)**
- R1.1 Library & Bookstore
  - R1.2 Female Toilets
  - R1.3 Digital Skills Laboratory
  - R1.4 Clinical Simulation Laboratory
  - R1.5 Librarian Office
  - R1.6 Nursing Skills Laboratory
  - R1.7 Power Control Room (2)
  - R1.8 Seminar Room
  - R1.9 Doctoral Hub
  - R1.10 Project Office
  - R1.11 Male Toilets
  - R1.12 Public Health Skills Laboratory
- LEVEL 1**
- RG.1 102-Seater lecture Hall
  - RG.2 Female Toilets
  - RG.3 IT/Server Room
  - RG.4 HSE Manager
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  - RG.11 Male Toilets
  - RG.12 42- Seater Lecture Hall
  - RG.13 Male Toilets
  - RG.14 Biochemistry/Toxicology Laboratory.
- LEVEL 2**
- R2.1 Partnership Coordinator
  - R2.2 General Office
  - R2.3 Administration
  - R2.4 Female Toilets
  - R2.5 Programme/Research Coordinators
  - R2.6 Visiting Scholars
  - R2.7 Academic Coordinator/M&E Officer
  - R2.8 Accounts
  - R2.9 Faculty Office
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  - R2.11 Board Room
  - R2.12 Centre Leader
  - R2.13 Safeguard Office
  - R2.14 Deputy Centre Leader
  - R2.15 Male Toilets
  - R2.16 FGN-HYPREP
  - R2.17 Reading Commons
  - Security Post

## BUILDING COMMISSION



**UNIVERSITY OF PORT HARCOURT**  
**AFRICA CENTRE OF EXCELLENCE IN PUBLIC HEALTH**  
**AND TOXICOLOGICAL RESEARCH (ACE-PUTOR)**

*INVITES THE GENERAL PUBLIC TO THE*

# **COMMISSIONING OF ACE-PUTOR BUILDING**

**SPONSORED THROUGH THE WORLD BANK GROUP, AGENCE  
FRANCAISE DE DEVELOPPEMENT (AFD) AND FEDERAL  
GOVERNMENT OF NIGERIA ACE IMPACT FUND**

**BY PROF OWUNARI GEORGEWILL (9TH VICE CHANCELLOR, UNIPOINT)**



**Prof. Owunari. A.  
Georgewill**  
9th Vice Chancellor  
University of Port Harcourt  
Chief Host



**Prof. Daprim S.  
Ogaji**  
Centre Leader, ACE-PUTOR



**FRIDAY 13TH  
OCTOBER 2023  
9:00 AM PROMPT**



**ACE-PUTOR BUILDING, EAST-WEST  
ROAD, CHOBA, RIVERS STATE,  
NIGERIA**

**MODERATOR:**

**Prof. K.C. Patrick-Iwuanyanwu**

Monitoring & Evaluation Officer/ Academic Coordinator ACE-PUTOR



**AFRICA CENTRE OF EXCELLENCE IN PUBLIC HEALTH AND  
TOXICOLOGICAL RESEARCH  
UNIVERSITY OF PORT HARCOURT**

**LIST OF EQUIPMENT AND FURNITURE ACQUIRED THROUGH ACE PROJECT**

<b>S/N</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>
<b>EQUIPMENT</b>		
1	Maternal-foetal monitor (Cardiotocogram)	1
2	Neonatal Incubator	1
3	Table Ultrasound Scanning Machine	1
4	Heart rate trace monitor for baby (Electrocardiogram)	1
5	Multiparameter patient monitor with stand	1
6	Infusing set with stand	1
7	Baby cot and cupboard	3
8	Adjustable child bed	2
9	Adjustable adult bed	2
10	Bedside table	5
11	Bedside lockers	5
12	Birthing Balls (Gym Balls)	2
13	Sonicard / Dopler	2
14	Vacuum extractor	2
15	Digital Baby weighing scale and Ruler	1
16	Non-Digital Baby weighing scale and Ruler	2
17	Paediatric sphygmomanometer	4
18	Paediatrics stethoscope	4
19	Adult blood pressure apparatus (Accousin)	4
20	Delivery bag	2
21	Auward Vaginal Speculum	2
22	Cord clamp	2
23	Sim vaginal Speculum	2
24	Cuscus vaginal Speculum	2
25	Uterine sound	2
26	Bladder sound	2
27	Episiotomy scissors	2
28	MVA Instrument	2
29	Tenaculum	2
30	Cervical dilatators	2
31	Midwifery kits (packs)	2
32	Examination table with stirrup	1
33	Examination couch	1
34	Fetal stethoscope	5
35	Fetal, baby, umbilical cord clamp (pkts)	2

<b>S/N</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>
36	Drip stand	5
37	Spatula (pack)	2
38	Pillows and pillow cover	5
39	Long mackintosh	5
40	Draw mackintosh	5
41	Plastic Apron	10
42	Delivery gown	5
43	Disposable Apron (Pkts)	2
44	Disposable face mask (Pkts)	2
45	Patient gown	2
46	Stadiometer	2
47	Cover cloth	2
48	Electronic sphygmomanometer	4
49	Non-contact body thermometer	5
50	Noise Dosimeter (Sound level meter)	2
51	DustTrak™ DRX Aerosol Monitor	2
52	GPS Tracker	2
53	Wet and Dry Hydrometer	2
54	Binocular Microscope (Olympus)	4
55	Binocular Microscope (OLYMPUS CX23)	1
56	Hand-held nuclear radiometer	2
57	Digital Nephelometer	1
58	Portable Spectrophotometer	1
59	Multi-parameter air quality meter	1
60	Multi-parameter water quality meter	1
61	Field kit for bacteriological analysis of water (Tibe, ATP, Plate, Membrane filtration)	1
62	Thermostat Incubator	2
63	Autoclave sterilizer	2
64	Refrigerator with Freezer	1
65	Sterile Swab Stick	12
66	First AID Box (Medium)	3
67	Cold chain box	2
68	Weighing scale (Digital)	2
69	Adult scale (weight and height)	2
70	Insect box	2
71	Uristix	2
72	Urine bottle (pack of 100)	2
73	Blood culture bottle (aerobic & anaerobic)	2
74	5mls needle/syringe (Pack)	2
75	2 mls needle/syringe (pack)	2

<b>S/N</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>
76	Blood Bottle (Packs) - purple, pink, blue, yellow, grey, red, dark green	7
77	Capillary tube (Heparin)	4
78	Capillary tube (Non-heparinised)	4
79	Sealer	2
80	Haemoglobin Scale Paper	1
81	Utility gloves	2
82	Filter face mask (pkt)	2
83	Mercury sphygmomanometer (Accousin)	4
84	Shakir Strip	5
85	PPE Gown	2
86	Food thermometer	1
87	Complete adult mannikins (Male & Female)	2
88	Haematocrit reader	2
89	Capillary tube (Heparin) - Pack	2
90	Tripod stand	15
91	Bunsen Burner	15
92	Electrophoresis machine	2
93	Digital brushless laboratory centrifuge	2
94	Laboratory water bath (4 holes)	1
95	Laboratory Oven	1
96	Refrigerator (-20c)	1
97	Beaker Glass 250ml	12
98	Beaker Glass 500ml	12
99	Conical Flask 250ml	12
100	Conical Flask 50ml	12
101	Conical Flask 100ml	12
102	Conical Flask 250ml	12
103	Conical Flask 500ml	12
104	Conical Flask 1000ml	12
105	Test Tube Big	12
106	Test tube Small	12
107	Petri dish glass	12
108	Petri Dish Disposable	12
109	Wireloop	12
110	Micro pipette	12
111	Micro-pipette (original) top science	2
112	Test tube stand	12
113	Measuring Cylinder 1000ml	12
114	Measuring Cylinder 250ml	12
115	Measuring Cylinder 100ml	12

<b>S/N</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>
116	Glass slide (Pack)	2
117	Cover slide (Pack)	2
118	Slide box (pack)	2
119	Bijor Bottle	12
120	Glass pipette 100ml	12
121	Reagent & Dispensing Bottle 250ml	12
122	Reagent & Dispensing Bottle 500ml	12
123	Nikon D7000 16.2-megapixel digital single-lens reflex professional camera	1
124	Panasonic 24.5mm wide angle 1xx optical zoom 4k/FHD-AU-AX90 video camera	1
125	UNIC professional heavy duty digital video camera tripod stand.	1
126	LED Daylight photo studio film lighting	1
127	5KVA Generator	1
128	150KVA Generator	1
129	300KVA Transformer	1
130	15KVA Hybrid Inverter with battery complements	1
131	5KVA Hybrid Solar Interval with battery complements	7
132	3.5 KVA Solar Hybrid Inverer with battery complements	1
133	1.5KVA Hybrid Solar Inverter with battery complements	1
134	1.8L Toyota Corolla Official Vehicle	1
<b>Furniture</b>		
1	2.0hp Hisense Standing AC	5
2	1.5hp Hisense Split AC	37
3	1.0hp Hisense Split AC	13
4	Desktop computer (new)	40
5	Apply Laptop	8
6	Core i7 Laptop	2
7	Desktop + CPU + UPS	3
8	ORL Mega 62" Ceiling Fan	77
9	Ox 18 inches Standing Fan with metal blades	11
10	TV-55-inch Hisense UHD 4k TV	9
11	TV-32-inch Hisense UHD 4k TV	18
12	TV-75-inch	1
13	Smart Board	5
14	Acer Projector	4
15	Emsom Projector	3
16	Projector Screen	3

<b>S/N</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>
17	Color Laser Jet Printer	1
18	HP Laser Jet MFP M130a (Printer)	8
19	HP Smart 516 printer	1
20	Sharp AR6023Nv Photocopier	1
21	UKS Filing Cabinets - single, 4 layers	14
22	Double door Cabinet with 5 storage level	5
23	Executive 3 double door cabinet with glass front	2
24	4-in-1 Workstation (non-executive, 2x2.5ft per capita space), metal leg & HDF Board	58
25	4-in-1 Workstation (executive, 2x4ft per capita space)	12
26	Classroom fixed 2-in-1 table & chair	63
27	Classroom tables - 3x 6 ft, foldable, wooden top	30
28	YF 2.4m executive table with extension desk and mobile file drawer unit	2
29	YF 1.8m executive table with extension desk and mobile file drawer unit	12
30	YF 1.4m executive table	10
31	Executive non-swivel chair	28
32	Standard non-swivel chair	369
33	Wave Executive swivel chair	13
34	Y17 executive swivel chair	2
35	Standard swivel chair	128
36	Plastic chairs with metal legs	48
37	Rectangular plastic foldable tables with metal legs	16
38	Upholstery - 3 sitter, leather	9
39	Upholstery C-arm single sitter, leather	17
40	Rectangular Central Table (Glass top)	2
41	Round Central Table (Glass top)	7
42	Round, 3ft diameter, 2 ft high wooden single stand table	3
43	Round, 3ft diameter, 4 ft high wooden single stand table	3
44	Conference table, u-shaped 3.4x0.60m (all sides) + 1-shaped 2.0x0.60m + 2.5x0.75m	1
45	Conference table, 6 x 2m(widest), oval, 20-seater capacity	1
46	Conference table, 2 x 1m(widest), oval 6-seater capacity	
47	Suit hanger	10
48	Security safe box 2.3 cubic feet digital, double key lock and password	1
49	File tray	4
50	Banquet chairs	39

<b>S/N</b>	<b>DESCRIPTION OF ITEM</b>	<b>QTY</b>
51	Water dispenser + 2 bottles	1
52	Electric kettle	1
53	Table top fridges	9
54	Microwave	1
55	3-in-1 airport chair	1
56	Standing shelf	4
57	Laboratory benches per laboratory	3
58	Biosafety Cabinet	1
59	Library Book Shalf	8
60	Internet and Networking Facilities	1
61	Learning Management System (all inclusive)	1
62	ACE-Building Complex (all inclusive)	1
63	Solar Street Lights - double arm 8m poles 5mm thick galvanised pipes	4
64	Solar Street Lights - single arm 8m poles 5mm thick galvanised pipes	8
65	Large Roadside signage	2
66	Room signages	48