

# **VOTE: 110 Uganda Industrial Research Institute (UIRI)**

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## **I. VOTE MISSION STATEMENT**

To catalyze the socio-economic transformation of Uganda and the region through enhanced technology use.

## **II. STRATEGIC OBJECTIVE**

1. Unleash the potential of MMISTC project at Namanve Industrial Park.
2. Coordinate the acquisition, development, deployment, and diffusion of technologies, especially those sponsored by government.
3. Continue to strengthen flagship projects, namely business incubation technology development; and Research and Development.
4. Upgrade and modernize further the analytical laboratories.
5. Continue to implement the strategy of revitalization of the textile sector.

## **III. MAJOR ACHIEVEMENTS IN 2022/23**

Textile Materials & Polymer testing laboratory validated the quality of locally manufactured and imported textile products as a service to the Uganda National Bureau of Standards.

Innovated technology development, including a biomedical engineering device (Portable Neonatal Baby Warmer that stands to reduce infant mortality in rural settings; development of 2 FM radio prototypes (will contribute to high value import substitution); an affordable high yield biogas digester that converts farm waste to energy

Innovated product development, including plastic pavers from recycled materials; ceramic tiles; and medical PPEs.

Collaborated with the Presidential Initiative on skilling the Girl Child and fabricated 18 table weaving looms and trained 88 girls in garment production.

Continued provision of in-house and virtual technological business incubation services. This progressive effort to promote entrepreneurship and interface with private sector development has taken root. It is encouraging to see a growing number of success products developed by start-up enterprises (e.g. Bella Wine, Livara Cosmetics and Amagara Cosmetics) that UIRI has supported on our market and beyond.

Provided industrial skills to 250 technicians and engineers at the institute Machining, Manufacturing and Industrial Skills Development Centre institutions such as Makerere University, Kyambogo University, Uganda Petroleum Institute Kigumba, Luwero Industries, and Busitema University, as well as stakeholders from vocational institutions and the informal sector.

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## IV. MEDIUM TERM BUDGET ALLOCATIONS

Table 4.1: Overview of Vote Expenditure (Ushs Billion)

	2022/23		2023/24	MTEF Budget Projections				
	Approved Budget	Spent by End Dec	Budget Estimates	2024/25	2025/26	2026/27	2027/28	
<b>Recurrent</b>	Wage	10.326	5.087	10.326	10.843	11.927	13.120	14.432
	Non-Wage	12.376	3.989	1.630	1.711	2.054	2.464	2.932
<b>Devt.</b>	GoU	2.800	0.665	0.000	0.000	0.000	0.000	0.000
	Ext Fin.	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>GoU Total</b>		<b>25.502</b>	<b>9.741</b>	<b>11.956</b>	<b>12.554</b>	<b>13.981</b>	<b>15.584</b>	<b>17.364</b>
<b>Total GoU+Ext Fin (MTEF)</b>		<b>25.502</b>	<b>9.741</b>	<b>11.956</b>	<b>12.554</b>	<b>13.981</b>	<b>15.584</b>	<b>17.364</b>
<b>Arrears</b>		0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Total Budget</b>		<b>25.502</b>	<b>9.741</b>	<b>11.956</b>	<b>12.554</b>	<b>13.981</b>	<b>15.584</b>	<b>17.364</b>
<b>Total Vote Budget Excluding Arrears</b>		<b>25.502</b>	<b>9.741</b>	<b>11.956</b>	<b>12.554</b>	<b>13.981</b>	<b>15.584</b>	<b>17.364</b>

**VOTE: 110 Uganda Industrial Research Institute (UIRI)****Table 4.2: Budget Allocation by Department for Recurrent and Development (Ushs Billion)**

<i>Billion Uganda Shillings</i>	Draft Budget Estimates FY 2023/24	
	Recurrent	Development
<b>Programme:13 Innovation, Technology Development And Transfer</b>	<b>11.956</b>	<b>0.000</b>
<b>SubProgramme:03 STI Ecosystem Development</b>	<b>11.956</b>	<b>0.000</b>
<b>Sub SubProgramme:01 Industrial Research</b>	<b>11.956</b>	<b>0.000</b>
001 Headquarters	11.956	0.000
<b>Total for the Vote</b>	<b>11.956</b>	<b>0.000</b>

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## V. PERFORMANCE INDICATORS AND PLANNED OUTPUTS

**Table 5.1: Performance Indicators**

**Programme: 13 Innovation, Technology Development And Transfer**

**SubProgramme: 03 STI Ecosystem Development**

**Sub SubProgramme: 01 Industrial Research**

**Department: 001 Headquarters**

**Budget Output: 000014 Administrative and Support Services**

**PIAP Output: Apparel Products from Indigenous Materials**

**Programme Intervention: 130509 Increase investment in R & D in key priority sectors like; agriculture, Oil & Gas, Minerals, Energy, Health, Transport;**

Indicator Name	Indicator Measure	Base Year	Base Level	2022/23		Performance Targets
				Target	Q2 Performance	2023/24
Apparel Products from Indigenous Materials Developed and Commercialised	Number	2022	5	%60%	4	1

**Budget Output: 000022 Research and Development**

**PIAP Output: Food Products, Fibres, Bamboo Boards, By Products**

**Programme Intervention: 130509 Increase investment in R & D in key priority sectors like; agriculture, Oil & Gas, Minerals, Energy, Health, Transport;**

Indicator Name	Indicator Measure	Base Year	Base Level	2022/23		Performance Targets
				Target	Q2 Performance	2023/24
Number of Bambo Products on Market	Number	2022	4	%70%	20	2

**Budget Output: 370001 Industrial and technological Incubation**

**PIAP Output: Engineering and skills enhancement Centres established**

**Programme Intervention: 130205 Support academia and research institutions to acquire R&D infrastructure;**

Indicator Name	Indicator Measure	Base Year	Base Level	2022/23		Performance Targets
				Target	Q2 Performance	2023/24
No. of Engineering and skills enhancement Centres established	Number	2022	1	2	1	0

**Budget Output: 370002 Technology and Innovation**

**PIAP Output: 4 types of circuit boards produced**

**Programme Intervention: 130509 Increase investment in R & D in key priority sectors like; agriculture, Oil & Gas, Minerals, Energy, Health, Transport;**

**VOTE: 110 Uganda Industrial Research Institute (UIRI)****Sub SubProgramme: 01 Industrial Research****Department: 001 Headquarters****Budget Output: 370002 Technology and Innovation****PIAP Output: 4 types of circuit boards produced**

Indicator Name	Indicator Measure	Base Year	Base Level	2022/23		Performance Targets
				Target	Q2 Performance	2023/24

**Budget Output: 370003 Research and Technologies Awareness****PIAP Output: Skilled Informal sector artisans and technicians in STI application****Programme Intervention: 130101 Design and conduct practical skills development programmes**

Indicator Name	Indicator Measure	Base Year	Base Level	2022/23		Performance Targets
				Target	Q2 Performance	2023/24
Number of informal sector artisans and technicians trained	Number	2022	300	%80%	200	10

**Budget Output: 370004 Industrial Skills Development****PIAP Output: Skilling and production Centre operationalised****Programme Intervention: 130101 Design and conduct practical skills development programmes**

Indicator Name	Indicator Measure	Base Year	Base Level	2022/23		Performance Targets
				Target	Q2 Performance	2023/24
Number of Persons Trained	Number	2022	80	%80%	40	150

**Budget Output: 370005 Model Value Addition Services****PIAP Output: Beauty and Dematology Products from Indigenous Materials (Hair, Body, Health & Hygiene)****Programme Intervention: 130509 Increase investment in R & D in key priority sectors like; agriculture, Oil & Gas, Minerals, Energy, Health, Transport;**

Indicator Name	Indicator Measure	Base Year	Base Level	2022/23		Performance Targets
				Target	Q2 Performance	2023/24
Beauty and Dermatology Products from Indigenous Materials (Hair, Body, Health & Hygiene) Developed and Commercialised	Text	2022	3			6

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## **VI. VOTE NARRATIVE**

### **Vote Challenges**

1. UIRI is facing a serious problem of drastic Budget cut from 25BN in FY 2022/23 to 7.3BN in FY 2023/24, This will hinder progress at UIRI at a time when demand for its products and services is going through a sharp growth phase, not to mention the resultant negative impact on the country's industrialization process.
2. Inadequate funding for Research & Development and prototyping.
3. Lack of enough funding to fully operationalize Maching Manufacturing Skills Development Centre Namanve

### **Plans to improve Vote Performance**

1. Collabrations with other Research Institutions such as WAITRO
2. Extensive capacity buiding for UIRI staff in areas such as engineering and science

## **VII. Off Budget Support and NTR Projections**

### **Table 7.1: Off Budget Support by Project and Department**

N/A

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**Table 7.2: NTR Collections (Uganda Shillings Billions)**

N / A

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## VIII. VOTE CROSS CUTTING POLICY AND OTHER BUDGETARY ISSUES

Table 8.1: Cross- Cutting Policy Issues

### i) Gender and Equity

<b>OBJECTIVE</b>	Protection of albino communities from skin cancer
<b>Issue of Concern</b>	albinos are more vulnerable to skin cancer caused by sunburns due to reduction or absence of melanin in their bodies.
<b>Planned Interventions</b>	Develop and distribute sunscreen lotions to albino communities to help them get protection from skin cancer
<b>Budget Allocation (Billion)</b>	0.000
<b>Performance Indicators</b>	Number of screen lotions developed and distributed to albinos

### ii) HIV/AIDS

<b>OBJECTIVE</b>	Provision of testing services, counselling, treatment to all HIV infected staff and their dependants in time
<b>Issue of Concern</b>	Increased spread and death of HIV/AIDS related
<b>Planned Interventions</b>	Provision of medical insurance to all staff and dependants in time
<b>Budget Allocation (Billion)</b>	0.001
<b>Performance Indicators</b>	Number of HIV infected staff and dependants insured

### iii) Environment

<b>OBJECTIVE</b>	Conservation of environment
<b>Issue of Concern</b>	Increased effects of global warming
<b>Planned Interventions</b>	Develop and commercialize energy saving technologies such solar fruit drier
<b>Budget Allocation (Billion)</b>	0.006
<b>Performance Indicators</b>	Number of energy saving technologies developed

### iv) Covid

<b>OBJECTIVE</b>	Prevent spread of COVID-19
<b>Issue of Concern</b>	Increased spread of COVID-19
<b>Planned Interventions</b>	Develop high efficient medical hazmarts that will protect frontline medical workers agaisnt COVID-19 and Eboola
<b>Budget Allocation (Billion)</b>	0.000
<b>Performance Indicators</b>	Number of medical hazmarts developed



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## **IX. PERSONNEL INFORMATION**

### **Table 9.1: Staff Establishment Analysis**

N / A

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**Table 9.2: Staff Recruitment Plan**

N/A

