



**AFRICAN CENTER FOR DRUG RESEARCH, HERBAL  
MEDICINE DEVELOPMENT AND REGULATORY SCIENCE  
UNIVERSITY OF LAGOS, NIGERIA  
(ACEDHARS)**



**DLR 4.3: IMPROVED TEACHING AND RESEARCH ENVIRONMENT  
MILESTONES FORMULATION**

DLR Action plan	Result/Activity/Task	Expected Timeline for completion	Budget Estimates (USD)	Disbursement (USD/SDR/EUR)	
DLI 4.3.1 – Milestone 1	<p><b>Procurement Exercise, Approvals and Stage 1 Construction of ACEDHARS Research Complex and Equipping of Building</b></p> <ul style="list-style-type: none"> <li>Self-certification on institutional procurement rules</li> <li>Preparation of procurement plan to reflect the details and specifications of the building to be built.</li> <li>Request for Expression of interest</li> <li>Tender opening and evaluation documents</li> <li>Signed awarded contracts with bills of quantity</li> <li>All documents posted on center’s website</li> <li>Environmental and Social Management Plan (ESMP) conformity certificate available and uploaded in the website</li> </ul>	1 October 2021	321,177.38	300,000 220,000 SDR	<p>Formatted[Maud Kouadio IV]: Indent: Right: 2.2 mm</p> <p>Formatted[Maud Kouadio IV]: Centered, Indent: Right: 2.2 mm</p> <p>Formatted[Maud Kouadio IV]: Font: (Default) Times New Roman, (Asian) Times New Roman, 12 pt, Font color: Custom Color (RGB(34,34,34))</p> <p>Formatted[Maud Kouadio IV]: Centered</p> <p>Deleted[Maud Kouadio IV]: (approved by World Bank)</p> <p>Formatted[Maud Kouadio IV]: Right, Indent: Right: 2.2 mm, Space After: 0 pt, Line spacing: single</p> <p>Formatted[Maud Kouadio IV]: Font: (Default) Times New Roman, (Asian) Times New Roman, 12 pt, Font color: Custom Color (RGB(34,34,34))</p> <p>Deleted[Maud Kouadio IV]: DLI 4.3.3 – Milestone 3</p> <p>Deleted[Maud Kouadio IV]: 1 October 2024</p> <p>Deleted[Maud Kouadio IV]: 319,728.96</p>
DLI 4.3.2 – Milestone 2	<p><b>Stage 2 Construction of ACEDHARS Research Complex</b></p> <ul style="list-style-type: none"> <li>Self-certification on institutional procurement rules</li> <li>Certification of completion (with 50 % of completion) of the building by an independent engineer acceptable to the bank</li> </ul>	1 October 2022	324,627.97	300,000 <u>220,000 SDR</u>	<p>Formatted[Maud Kouadio IV]: Font: (Default) Times New Roman, (Asian) Times New Roman, 12 pt, Font color: Custom Color (RGB(34,34,34))</p> <p>Formatted[Maud Kouadio IV]: Right, Indent: Right: 2.2 mm, Space After: 0 pt, Line spacing: single</p> <p>Deleted[Maud Kouadio IV]: 300,000 220,000 SDR</p>
	<ul style="list-style-type: none"> <li></li> </ul>				<p>Deleted[Maud Kouadio IV]: <b>Stage 3 Construction of ACEDHARS Research Complex</b></p>
DLI 4.3.3 – Milestone 3	<p><b>Stage 3, 100% completion Construction of ACEDHARS Research Complex and Procurement and Installation of Equipment 2</b></p> <ul style="list-style-type: none"> <li>Self-certification on institutional procurement rules</li> <li>Commissioning of the ACEDHARS’ Complex and usage of the facilities</li> </ul>	1 year	254,428.79	300,000 <u>220,000 SDR</u>	<p>Self-certification on institutional procurement rules</p> <p>Certification of completion (with 80% of completion) of the building by an independent engineer acceptable to the bank</p> <p>Deleted[Maud Kouadio IV]: 4</p> <p>Deleted[Maud Kouadio IV]: 4</p> <p>Deleted[Maud Kouadio IV]: 4</p>

	<ul style="list-style-type: none"> <li>• Pictures of the completed ACEDHARS' Complex (in use by students) uploaded on the center's website</li> <li>• Procurement contract of the equipment upload on the center website</li> <li>• Receipt/Delivery notes, inspection and full installation of equipment upload on the center website</li> <li>• All equipment purchased are in operation, clearly marked as property of the institution, and registered in the institution's asset register</li> <li>• Training of personnel to run the equipment</li> <li>• 100% renovation/<u>construction</u> completion certified by an architect/engineer by the AAU/WB</li> <li>• Pictures of the <u>completed building and</u> equipment in use upload on the center' website</li> </ul>			
<b>TOTAL</b>			900,234.14	900,000

NOTE: The excess cost will be provided for from counterpart funding from the University of Lagos

## APPENDIX 1

### DETAILED TECHNICAL SPECIFICATIONS OF THE ACTIVITIES

#### DLI 4.3.1 – Milestone 1: Procurement Exercise, Approvals and Stage 1 Construction of ACEDHARS Research Complex and Equipping of Building

Nº	ITEM	SPECIFICATION	QTY	UNIT COST	TOTAL COST
<b>MILESTONE 1 – ACTIVITIES 1</b>					
1.	Preliminaries			47.65	42,887.14
2.	Substructure			238.26	214,435.70
<b>SUB-TOTAL 1</b>					<b>257,322.84</b>
<b>MILESTONE 1 - ACTIVITIES 2</b>					
1.	Leica VT1000 S Vibrating blade microtome	Leica Biosystem	1	33,885.56	33,885.56
2.	Leica DM4 microscope	Leica Biosystem	1	17,700.00	17,700.00
3.	<a href="#">Anymaze tracking software</a>	<a href="#">Stoelting Co. Ltd, IL, USA</a>	<a href="#">1</a>	<a href="#">11143.64</a>	<a href="#">11,143.64</a>
<b>SUB-TOTAL 2</b>					<b>63,854.54</b>
<b>MILESTONE 1 - ACTIVITIES 3</b>					
1.					
2.					
3.					

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<b>SUB-TOTAL 3</b>	
<b><u>GRAND TOTAL</u></b>	321,177.38

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**DLI 4.3.2 – Milestone 2: 50% Construction of ACEDHARS Research Complex and Equipping of Building**

N°	ITEM	SPECIFICATION	QTY	UNIT COST	TOTAL COST
<b>MILESTONE 2 – ACTIVITIES 1</b>					
1.	Superstructural Works			146.15	131,534.86
2.	Finishes			102.98	92,685.60
3.	Painting and Decorations			13.10	11,793.96
<b>SUB-TOTAL 1</b>					<b>236,014.42</b>
<b>MILESTONE 2 - ACTIVITIES 2</b>					
1.	<u>Plethysmometer</u>	<u>Ugo Basile</u>	<u>1</u>	28,461.21	28,461.21
2.	Non-invasive blood pressure recorder 58500	Ugo Basile	1	11,413.80	11,413.80
3.	Agora maze-Sociobox method	Ugo Basile	1	10,624.19	10,624.19
4.	Electroconvulsimeter ECT Unit	Ugo Basile	1	14,701.70	14,701.70
5.	Passive avoidance step through	Ugo Basile	1	23,412.65	23,412.65
<b>SUB-TOTAL 2</b>					<b>88,613.55</b>
<b>MILESTONE 1 - ACTIVITIES 3</b>					
4.					
5.					
6.					
<b>SUB-TOTAL 3</b>					
<b>GRAND TOTAL</b>					<b>324,627.97</b>

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**DLI 4.3.3 – Milestone 3: 100% Construction of ACEDHARS Research Complex and Equipping of Building**

N°	ITEM	SPECIFICATION	QTY	UNIT COST	TOTAL COST
<b>MILESTONE 3 – ACTIVITIES 1</b>					
1.	Fittings and Fixtures			21.44	19,299.23
2.	Mech, Elect, HVAC & Piped Services			56.47	50,821.26
3.	External Works			15.72	14,149.93
4.	Site Works			35.74	32,165.35
5.	Inflation Allowance (Escalations)				9,146.60
6.	Professional Fees				73,178.05
7.	Contingency (Risk) Allowance				17,250.89
<b>SUB-TOTAL 1</b>					<b>216,011.31</b>
<b>MILESTONE 3 - ACTIVITIES 2</b>					
1.	Eppendorf Microcentrifuge	Eppendorf	1	15,723.23	15,723.23

	(Refrigerated) Model: 5804R, refrigerated, 230V/50-60Hz				
2.	CFX96 Touch Real-Time PCR Detection System	BIORAD	1	22,694.25	22,694.25
<b>SUB-TOTAL 2</b>					38,417.48
<b><u>GRAND TOTAL</u></b>					254,428.79