

# **UNIVERSITY FOR DEVELOPMENT STUDIES**



**MINISTRY OF EDUCATION**

**CONTRACT DOCUMENT**

**FOR**

**SUPPLY AND INSTALLATION OF SOLAR PANELS  
FOR THE WACWISA**

**(NR/UDS/WACWISA/GD/014/2022)**

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**Client:**

University for Development Studies  
P.O.Box 1350  
Tamale, N/R

**May, 2022**

NR/UDS/WACWISA/014/2022



May 18, 2022

The Managing Director  
URC Systems Limited  
Hanisa Building GA01/120/46  
Accra

Dear Sir,

**NOTIFICATION OF AWARD**

This is to notify you that your Tender dated April 29, 2022 for execution of the contract for the **Supply and Installation of Solar Panels for the WACWISA Block (Contract No: NR/UDS/WACWISA/014/2022)**, in the amount of **Six Hundred and Fifteen Thousand, Three Hundred and Thirty Four Ghana Cedis, Sixty Three Pesewas (GHs615,334.63)** as corrected in accordance with the Instructions to Tenderers for delivery within Eight (8) Weeks is hereby accepted.

This Notification of Award will constitute the formation of contract. However, until and unless you furnish the Performance Security of **Sixty One Thousand Five Hundred and Thirty Three Ghana Cedis, Forty Six Pesewas (GHs61,533.46)** and send it to us within fourteen (14) Days you receive this Notification of Award, the contract shall not be deemed active. You are hereby instructed to proceed with the fulfillment of performance security and signing of contract within fourteen (14) days of the receipt of this letter. Failure to comply with the fulfillment of performance security and signing of contract within the time will constitute failure of formation of contract and forfeiture of Tender Security.

You are hereby instructed to proceed with the necessary action for the execution of the said procurement in accordance with the Tender and Contract documents.

Authorized Signature.....  
Name and Title of Signatory: **Prof. Gabriel A. Teye (Vice-Chancellor)**

Name of Agency: University for Development Studies

Address for Correspondence: Post Office Box 1350

Tamale, N/R

Tel: 071-22078/26633/4

cc: Pro Vice Chancellor, UDS  
Registrar, UDS  
Director, WPD, UDS  
Director of Finance, UDS  
Director, WACWISA  
Secretary, Tender Committee, UDS  
Director of Internal Audit, UDS  
Head of Stores, UDS





AUTHORIZED RESELLER

Hanisa Building  
GA01/120/46  
Legon West Road Chris Viliage  
Legon West Road Accra

## TENDER FORM AND PRICES SCHEDULE

Date: 29<sup>TH</sup> April, 2022  
IFT No: NR/UDS/WACWISA/GD/014/22

To: University of Development Studies  
Central Administration, Dungu, Off Ksi Road  
Conference Room 1 (Room 118)  
Tamale-Northern Region

Gentlemen and/or Ladies:

Having examined the Tender documents including Addenda Nos. [..N.A...] the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver **Solar Panels for the WACWISA Block** in conformity with the said Tender documents for the sum of **Seven Hundred and Thirty-Seven Thousand, One Hundred and Twenty-Eight Ghana Cedis, Forty-Three Pesewas only (GH¢737,128.43)** or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Tender.

We undertake, if our Tender is accepted, to deliver the goods and services in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Tender is accepted, we will provide a Bank Guarantee acceptable to the Purchaser in a sum equivalent to **\_10% ...percent** of the Contract Price for the due performance of the Contract, in the form prescribed by the Purchaser.

We agree to abide by this Tender for a period of **90 days** from the date fixed for Deadline for Tender submission, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Tender, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
_____None_____	_____None_____	_____None_____
_____	_____	_____
_____	_____	_____

(if none, state "none")

**URC SYSTEMS LIMITED**  
Hanisa Building GA01/120/46  
Christian Village Junction,  
Accra.



AUTHORIZED RESELLER

Until a formal Contract is prepared and executed, this Tender, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any Tender you may receive.

We certify/confirm that we comply with the eligibility requirements as per ITT Clause 2 of the Tender documents.

Dated this 29<sup>th</sup> day of April, 2022.

[signature]

\_\_\_\_\_  
MANAGING DIRECTOR

[in the capacity of]

URC SYSTEMS LTD  
Manisa Building  
Christian Village, Accra.  
011/46

Duly authorized to sign Tender for and on behalf of URC SYSTEMS LIMITED ,

P.O. BOX CO2419 TEMA\_

[Type here]



## PRICE SCHEDULES

**PACKAGE NO. NR/UDS/WACWISA/GD/014/22-SUPPLY AND INSTALLATION OF SOLAR PANELS FOR THE WACWISA BLOCK**

Name of Tenderer: **URC SYSTEMS** IFT Number: **NR/UDS/WACWISA/GD/014/22**

Page 68 of 70


S.No	Description	Country of origin	Qty.	Unit Price EXW (specify place)	Total Price EXW (GHs)	Total Price of Inland delivery to final	Total CIP site	Incidental Services and others	Total Tender Price	Remarks
1	2	3	4	5	6=(4x5)	7	8=(6+7)	9	10=(8+9)	11
1	<b>INVERTER AND ACCESSORIES</b>									
	Supply and install the following									
	A 7.2KW Smart Inverter, 230V AC, 48V DC all in one off grid inverter use with and without batteries c/w all accessories as Outback or equal and approved	Germany	3NO.	15,000.00	45,000.00	4,500.00	49,500.00	12,375.00	61,875.00	✓
	7.5KVA Voltage Stabiliser	Ghana	3NO.	1,600.00	4,800.00	480.00	5,280.00	1,320.00	6,600.00	✓
	<b>PANEL AND ACCESSORIES</b>									
	Supply and install the following:									



**URC SYSTEMS LIMITED**  
Hansa Building GA11/120/46  
Christian Village Junction,  
Accra.




Tier 1 Solar Panel of 380W generation capacity as Jinko or equal and approved	China	63No	1,440.00	90,720.00	9,072.00	99,792.00	24,948.00	124,740.00	✓
Panel mounting structure c/w all accessories	China	21No	800.00	16,800.00	1,680.00	18,480.00	4,620.00	23,100.00	✓
60A DC circuit breakers	Germany	3No	384.00	1,152.00	115.20	1,267.20	316.80	1,584.00	✓
MC4 Connectors	Germany	50No	24.00	1,200.00	120.00	1,320.00	330.00	1,650.00	✓
4mm <sup>2</sup> DC copper cable	Ghana	3 coil	1,400.00	4,200.00	420.00	4,620.00	1,155.00	5,775.00	✓
Installation accessories		1 lot	4,000.00	4,000.00	400.00	4,400.00	1,100.00	5,500.00	✓
<b>Cables and AC accessories</b>									
Supply and lay the following									
3C x 4mm <sup>2</sup> Autoflex cable as Kable Metal or equal and approved	Ghana	2500m	45.00	112,500.00	11,250.00	123,750.00	30,937.50	154,687.50	✓
5C x 10mm <sup>2</sup> Autoflex cable as Kable Metal or equal and approved	Ghana	15m	75.00	1,125.00	112.50	1,237.50	309.38	1,546.88	✓
4mm <sup>2</sup> cable lug	Ghana	20No	25.00	500.00	50.00	550.00	137.50	687.50	✓
100A TPN bus bar panel	Ghana	1No	1,500.00	1,500.00	150.00	1,650.00	412.50	2,062.50	✓
Cable Ties	Ghana	100No	1.50	150.00	15.00	165.00	41.25	206.25	✓
63A Change over switch as Memshiel or equal and approved	Ghana	3No.	700.00	2,100.00	210.00	2,310.00	577.50	2,887.50	✓

  
**URC SYSTEMS LIMITED**  
 Harisa Building G.A. 1120/46  
 Christian Village Junction,  
 Accra



63A AC circuit breakers as Memshiel or equal and approved	Ghana	3No.	420.00	1,260.00	126.00	1,386.00	346.50	1,732.50	✓
20mm pipe	Ghana	10 Coil	200.00	2,000.00	200.00	2,200.00	550.00	2,750.00	✓
22mm clips for pipes	Ghana	1 box	200.00	200.00	20.00	220.00	55.00	275.00	✓
Allow for installation accessories	Ghana	1 lot	1,500.00	1,500.00	150.00	1,650.00	412.50	2,062.50	✓
<b>Batteries and Accessories</b>									
Supply and install the following:									
Lithium Battery pack, 51.2V, 100AH Equipment to about 9.2KWH on a 48V system as Outback or equal and approved	Germany	6No	24,000.00	144,000.00	14,400.00	158,400.00	39,600.00	198,000.00	✓
Battery Racks	Germany	3No.	2,000.00	6,000.00	600.00	6,600.00	1,650.00	8,250.00	✓
Battery isolator/fuse	Ghana	6No.	400.00	2,400.00	240.00	2,640.00	660.00	3,300.00	✓
50mm <sup>2</sup> DC Cable	Ghana	20No.	100.00	2,000.00	200.00	2,200.00	550.00	2,750.00	✓
<b>Earthing System</b>									
Supply and install the following:									
Pure Copper earth rod buried in a mixture of charcoal and swa dust	Ghana	1No.	600.00	600.00	60.00	660.00	165.00	825.00	✓

  
**URC SYSTEMS LIMITED**  
 Hanisa Building G.A. 1/120/46  
 Christian Village Junction,  
 Accra.







NR/UDS/WACWISA/014/2022



May 18, 2022

The Managing Director  
URC Systems Limited  
Hanisa Building GA01/120/46  
Accra

Dear Sir,

**NOTIFICATION OF AWARD**

This is to notify you that your Tender dated **April 29, 2022** for execution of the contract for the **Supply and Installation of Solar Panels for the WACWISA Block (Contract No: NR/UDS/WACWISA/014/2022)**, in the amount of **Six Hundred and Fifteen Thousand, Three Hundred and Thirty Four Ghana Cedis, Sixty Three Pesewas (GHs615,334.63)** as corrected in accordance with the Instructions to Tenderers for delivery within Eight (8) Weeks is hereby accepted.

This Notification of Award will constitute the formation of contract. However, until and unless you furnish the Performance Security of **Sixty One Thousand Five Hundred and Thirty Three Ghana Cedis, Forty Six Pesewas (GHs61,533.46)** and send it to us within fourteen (14) Days you receive this Notification of Award, the contract shall not be deemed active. You are hereby instructed to proceed with the fulfillment of performance security and signing of contract within fourteen (14) days of the receipt of this letter. Failure to comply with the fulfillment of performance security and signing of contract within the time will constitute failure of formation of contract and forfeiture of Tender Security.

You are hereby instructed to proceed with the necessary action for the execution of the said procurement in accordance with the Tender and Contract documents.

Authorized Signature.....

Name and Title of Signatory: **Prof. Gabriel A. Teye** (Vice-Chancellor)

Name of Agency: University for Development Studies

Address for Correspondence: Post Office Box 1350

Tamale, N/R

Tel: 071-22078/26633/4

cc: Pro Vice Chancellor, UDS  
Registrar, UDS  
Director, WPD, UDS  
Director of Finance, UDS  
Director, WACWISA  
Secretary, Tender Committee, UDS  
Director of Internal Audit, UDS  
Head of Stores, UDS



OutBack  
POWER



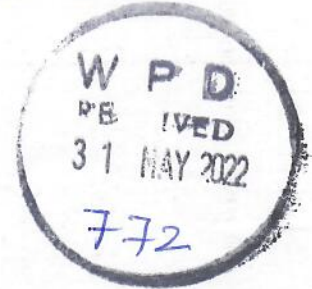
AUTHORIZED RESELLER



Hanisa Building  
GA01/120/46  
Legon West Road Chris Village  
Legon West Road Accra

Date: 20<sup>th</sup> May, 2022

THE VICE CHANCELLOR  
UNIVERSITY OF DEVELOPMENT STUDIES  
P.O. BOX1350  
TAMALE-NORTHERN REGION



Dear Sir,

**ACCEPTANCE LETTER:**

**SUPPLY AND INSTALLATION OF SOLAR PANELS FOR THE WACWISA  
BLOCK (NR/UDS/WACWISA/GD/014/22)**

With reference to your Notification of Award Letter number NR/UDS/WACWISA/GD/014/2022, dated 18<sup>th</sup> May, 2022, we write to accept the offer to execute the above-mentioned contract in the sum of **Six Hundred and Fifteen Thousand, Three Hundred and Thirty-Four Ghana Cedis, Sixty-Three Pesewas only (GH¢ 615,334.63)** for a period of Eight (8) Weeks.

Attached is the Performance Bond from Phoenix Insurance covering the stated amount in the Award letter.

URC Systems Limited shall continue to remain your reliable development partner and shall deliver the project within the agreed period.

Thank you.

We remain;

Yours sincerely,

  
.....  
**JULIAN KODJO ADIAASE**  
**(MANAGING DIRECTOR)**

② DCWPS/DOF/GUSS (50)  
Ph Sui  
30/05/22





# Phoenix

## Insurance

### Wisdom!

# SURETY BOND

## PERFORMANCE BOND

**TYPE OF BOND :** \_\_\_\_\_

**BOND NUMBER :** \_\_\_\_\_ **KF-05222452-DBPG-2200**

**OBLIGEE :** \_\_\_\_\_ **UNIVERSITY OF DEVELOPMENT STUDIES**

**PERIOD OF GUARANTEE :** \_\_\_\_\_ **VALID UNTIL THE ISSUANCE OF THE CERTIFICATE OF COMPLETION**

**[IMPORTANT NOTICE: PLEASE SEE OVERLEAF FOR INFORMATION ON AUTHENTICATING THIS DOCUMENT]**

**HEAD OFFICE:** 244/3, 6th Ringway Link Estate, Accra. **POSTAL ADDRESS:** P. O. Box 17753, Accra-Ghana.

**TELEPHONE** (+233-302) 246 322, 246 319, 246 644, 0243 690 492/3 **FACSIMILE:** (+233-302) 246311

**WEBSITE:** www.phoenixinsurancegh.com **EMAIL:** phoenix@phoenixinsurancegh.com

**KUMASI:** (Main Office) Prempeh 1st Street (Opposite Intercity STC Bus Terminal) **TEL:** 032 20-49643 / **FAX:** 032 20-49640, Aseda House, Adum (near STC Bus Terminal) **TEL:** 032 20-37369

**KUMASI BANTAMA:** Adjacent Angel FM **TEL:** 0322087680 **SUNYANI:** Green Light Pharmacy House, First Floor, Bosoma High Street **TEL:** 03520 24520 / 27512

**CAPE COAST:** Behind the Science Faculty, UCC **TEL:** 03320 90185 / 0208 113535. **TAKORADI:** CDH House, opp. Bank of Ghana, **TEL:** 0312 027 511

**MADINA:** Hse No EA 48/2 SDA Junction, Adenta-Accra **TEL:** 0302 545 617 **TEMA:** Meridian Plaza, Comm. 1 **TEL:** 0303 206431 **FAX:** 0303 210615

**EAST LEGON:** Prospect Court No. 100, Freetown Avenue, Papa's Pizza Building - Accra. (On the same building with Papa's Pizza) **TEL:** 0302 540 568

**TAMALE:** Bank of Ghana Road. same building with Airtel /Tigo office **TEL:** 0372 027679. **TARKWA:** Effuanta, Opp. Methodist Church, **TEL:** 0205 019 075



**PERFORMANCE BOND**



**BOND NO. KF-05222452-DBPG-2200**

By this Bond M/S URC SYSTEMS LIMITED of P.O BOX CO 2419, as Principal (hereinafter called "the Contractor"), and PHOENIX INSURANCE COMPANY LIMITED of P. O. Box 17753, Accra as Surety (hereinafter called "the Surety") are held and firmly bound unto UNIVERSITY OF DEVELOPMENT STUDIES as Obligee (hereinafter called "the Employer") in the amount of **GH¢61,533.46 (SIXTY-ONE THOUSAND FIVE HUNDRED AND THIRTY-THREE GHANA CEDIS FORTY-SIX PESEWAS)** for the payment of which sum well and truly to be made in the types and proportions of currencies in which the Contract Price is payable, the Contractor and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

**WHEREAS** the Contractor has entered into a Contract with the Employer dated the **18th of May 2022**, for the **SUPPLY AND INSTALLATION OF SOLAR PANELS FOR THE WACWISA BLOCK (CONTRACT NO. NR/UDS/WACWISA/014/2022)**

NOW THEREFORE, the Condition of this Obligation is such that, if the Contractor shall promptly and faithfully perform the said Contract (including any amendments thereto) then this obligation shall be null and void; otherwise it shall remain in full force and effect. Whenever the Contractor shall be, and declared by the Employer to be, in default under the Contract, the Employer having performed the Employer's obligations thereunder, the Surety may promptly remedy the default or shall promptly":

- complete the Contract in accordance with its terms and conditions; or
- Obtain a Bid or Bids from qualified bidders for submission to the Employer for completing the Contract in accordance with its terms and conditions, and upon determination by the Employer and the Surety of the lowest responsive Bidder, arrange for a Contract between such Bidder and Employer and make available as work progresses (even though there should be a default or a succession of defaults under the Contract or Contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the Balance of the Contract Price; but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term "Balance of the Contract Price" as used in this paragraph, shall mean the total amount payable by Employer to Contractor under the Contract, less the amount properly paid by the Employer to the Contractor., or
- Pay the Employer the amount required by the Employer to complete the Contract in accordance with its terms and conditions up to a total not exceeding the amount of this Bond.

  
PHOENIX INS  
Date: 15/5/22



The Surety shall not be liable for a greater sum than the specified penalty of this Bond.

Any suit under this Bond must be instituted before the expiration of One year from the date of the issuance of the Certificate of Completion.

No right of action shall accrue on this Bond to or for the use of any person or corporation other than the Employer named herein or the heirs, executors, administrators, successors and assigns of the Employer.

In testimony whereof, the Contractor has hereunto set its hand and affixed its seal, and the Surety has caused these presents to be sealed with his corporate seal duly attested by the signature of his legal representative, this **18th of May 2022.**

Signed, Sealed for and on behalf of:

**PHOENIX INSURANCE CO. LTD.**

**KWEKU DANKWAH**

**(BRANCH MANAGER)**



**MANAGING DIRECTOR**

**In the presence of: YAMOAH KWASI FELIX**

For!

**(OFFICER)**

Witness: .....

Date: **18th of May 2022**

Signed, Sealed for and on behalf of:

**URC SYSTEMS LIMITED.**

*P.B.*

For:

**MANAGING DIRECTOR**

In the presence of:

Witness: *Alex Ghanley* .....

Date: **18th of May 2022**



## **SECTION TWO**

**Tender Form and the Price Schedule  
submitted by the Tenderer**



AUTHORIZED RESELLER

Hanisa Building  
GA01/120/46  
Legon West Road Chris Viliage  
Legon West Road Accra

## TENDER FORM AND PRICES SCHEDULE

Date: 29<sup>TH</sup> April, 2022

IFT No: NR/UDS/WACWISA/GD/014/22

To: **University of Development Studies**  
**Central Administration, Dungu, Off Ksi Road**  
**Conference Room 1 (Room 118)**  
**Tamale-Northern Region**

Gentlemen and/or Ladies:

Having examined the Tender documents including Addenda Nos. [...N.A...] the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver **Solar Panels for the WACWISA Block**) in conformity with the said Tender documents for the sum of **Seven Hundred and Thirty-Seven Thousand, One Hundred and Twenty-Eight Ghana Cedis, Forty-Three Pesewas only (GH¢737,128.43)** or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Tender.

We undertake, if our Tender is accepted, to deliver the goods and services in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Tender is accepted, we will provide a Bank Guarantee acceptable to the Purchaser in a sum equivalent to **10%** ...percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Purchaser.

We agree to abide by this Tender for a period of **90 days** from the date fixed for Deadline for Tender submission, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Tender, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
_____None_____	_____None_____	_____None_____
_____	_____	_____
_____	_____	_____
(if none, state "none")		

**URC SYSTEMS LIMITED**  
Hanisa Building GA01/120/46  
Christian Village Junction,  
Accra.




AUTHORIZED RESELLER

Until a formal Contract is prepared and executed, this Tender, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any Tender you may receive.

We certify/confirm that we comply with the eligibility requirements as per ITT Clause 2 of the Tender documents.

Dated this 29<sup>th</sup> day of April, 2022.



MANAGING DIRECTOR

[signature]

[in the capacity of]

**URC SYSTEMS LTD**  
Hansa Building  
Christian Village Junction,  
Accra.

Duly authorized to sign Tender for and on behalf of **URC SYSTEMS LIMITED**,

**P.O. BOX CO2419 TEMA**

[Type here]



## PRICE SCHEDULES

**PACKAGE NO. NR/UDS/WACWISA/GD/014/22-SUPPLY AND INSTALLATION OF SOLAR PANELS FOR THE WACWISA BLOCK**

Name of Tenderer: **URC SYSTEMS** IFT Number: **NR/UDS/WACWISA/GD/014/22** Page 68 of 70

S.No	Description	Country of origin	Qty.	Unit Price EXW (specify place)	Total Price EXW (GHs)	Total Price of Inland delivery to final	Total CIP site	Incidental Services and others	Total Tender Price	Remarks
1	2	3	4	5	6=(4x5)	7	8=(6+7)	9	10=(8+9)	11
1	<b>INVERTER AND ACCESSORIES</b>									
	Supply and install the following									
	A 7.2KW Smart Inverter, 230VAC, 48V DC all in one off grid inverter use with and without batteries c/w all accessories as Outback or equal and approved	Germany	3NO.	15,000.00	45,000.00	4,500.00	49,500.00	12,375.00	61,875.00	
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	<b>PANEL AND ACCESSORIES</b>									
	Supply and install the following:									

**URC SYSTEMS LIMITED**  
Hansa Building G.A.1/120/46  
Christian Village Junction,  
Accra.



Tier 1 Solar Panel of 380W generation capacity as Jinko or equal and approved	China	63No	1,440.00	90,720.00	9,072.00	99,792.00	24,948.00	124,740.00	✓
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Installation accessories		1 lot	4,000.00	4,000.00	400.00	4,400.00	1,100.00	5,500.00	✓
<b>Cables and AC accessories</b>									
Supply and lay the following									
3C x 4mm <sup>2</sup> Autoflex cable as Kable Metal or equal and approved	Ghana	2500m	45.00	112,500.00	11,250.00	123,750.00	30,937.50	154,687.50	✓
5C x 10mm <sup>2</sup> Autoflex cable as Kable Metal or equal and approved	Ghana	15m	75.00	1,125.00	112.50	1,237.50	309.38	1,546.88	✓
4mm <sup>2</sup> cable lug	Ghana	20No	25.00	500.00	50.00	550.00	137.50	687.50	✓
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**URC SYSTEMS LIMITED**  
Hanisa Building G.A. 11/20/46  
Christian Village Junction,  
Accra



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20mm pipe	Ghana	10 Coil	200.00	2,000.00	200.00	2,200.00	550.00	2,750.00 ✓
22mm clips for pipes	Ghana	1 box	200.00	200.00	20.00	220.00	55.00	275.00 ✓
Allow for installation accessories	Ghana	1 lot	1,500.00	1,500.00	150.00	1,650.00	412.50	2,062.50 ✓
<b>Batteries and Accessories</b>								
Supply and install the following:								
Lithium Battery pack, 51.2V, 100AH Equipment to about 9.2KWH on a 48V system as Outback or equal and approved	Germany	6No	24,000.00	144,000.00	14,400.00	158,400.00	39,600.00	198,000.00 ✓
Battery Racks	Germany	35No.	2,000.00	6000.00 10,000.00	600.00 1,000.00	6,600.00 11,000.00	1,650.00 2,750.00	8,250.00 13,750.00 ✓
Battery isolator/fuse	Ghana	6No.	400.00	2,400.00	240.00	2,640.00	660.00	3,300.00 ✓
50mm <sup>2</sup> DC Cable	Ghana	20No.	100.00	2,000.00	200.00	2,200.00	550.00	2,750.00 ✓
<b>Earthing System</b>								
Supply and install the following:								
Pure Copper earth rod buried in a mixture of charcoal and swa dust	Ghana	1No.	600.00	600.00	60.00	660.00	165.00	825.00 ✓



**URC SYSTEMS LIMITED**  
 Hanisa Building G.41/120/46  
 Christian Village Junction,  
 Accra.

1C x 16mm <sup>2</sup> PVC isolated copper cable as Kable Metal or equal and approved	Ghana	80m	25.00	2000.00 <del>2000.00</del>	2020.00 <del>2020.00</del>	2020.00 <del>2020.00</del>	2020.00 <del>2020.00</del>	2075.10 <del>275.00</del>	
Copper Tray	Ghana	2No	150.00	300.00	30.00	330.00	82.50	412.50	
<b>The Works</b>							615,334.63 <del>620,834.63</del>	619,034.63 <del>620,834.63</del>	
<b>SUMMARY</b>									
PRELIMINARIES									
<b>THE WORKS</b>									
CONTINGENCIES	10%								
CONTRACTOR'S ALL RISK INSURANCE	1%								
TOTAL COST OF WORKS									
<b>GRAND TOTAL</b>								737,128.43 <del>738,928.43</del>	

Total Tender Price (in words) Seven Hundred and Thirty-Seven Thousand, One Hundred and Twenty-Eight Ghana Cedis, Forty-Three Pesewas..

Signature of Tenderer: \_\_\_\_\_

**URC SYSTEMS LIMITED**  
 URC SYSTEMS LIMITED  
 HANISA BUILDING G.A. 1120/46  
 HANISA BUILDING G.A. 1120/46  
 Christian Village Junction,  
 Accra.

Note: 1. In case of discrepancy between unit price and total, the unit price shall prevail.  
 2. Tenderer must have to accept the correction of arithmetic error pursuant to ITT Clause 26.2



## **SECTION THREE**

### **Contract Form**

**SECTION FOUR**  
**Technical Specification**



## AMENDMENT OF CONTRACT AGREEMENT

THIS IS AN AMENDMENT TO THE AGREEMENT made the 07 day of 03 [mm]  
2023 between **University for Development Studies (UDS) – Tamale** of Ghana  
(hereinafter called “the Purchaser”) of the one part and **URC Systems Limited Ghana**  
(hereinafter called “the Supplier”) of the other part for the **SUPPLY AND INSTALLATION  
OF SOLAR PANELS FOR WACWISA BLOCK**

This amendment has been necessitated by 30% variation on the 70% outstanding balance,  
extension of solar power supply to the ground floor of the graduate building and the provision  
of Automatic Voltage Regulators (AVR).

This amendment has brought the total contract sum to **Five Hundred and Sixty Four  
Thousand, Nine Hundred and Fifty Nine Ghana Cedis Fifty One  
Pesewas (GH¢564,959.51).**

The breakdown is as the follows:

- Price variation of 30% on the remaining 70% of the contract Price (GH¢430,734.25)  
which amounted to **GH¢559,954.52**

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in  
accordance with the terms and conditions of the original contract.

### On behalf of the Purchaser

Name: **Prof. Seidu Al-hassan**

Signature: 

Designation: **Vice-Chancellor**

Seal:   
**THE VICE CHANCELLOR**  
University for Dev. Studies  
P.O. BOX TL 1350  
TAMALE

Date: 07/03/2023

### On behalf of the Supplier

Name: JURIA A. AMAR

Signature: 

Designation: **URC SYSTEMS LIMITED**

Seal: **Hanika Building G.11/120/46**  
**Christian Village Junction,**

Date: 07-03-2023

### Witnessed By:

Name: **Ing. Samuel B. Abiko**

Signature: 

Designation: **Director, WPD**

Date: 07/03/2023

### Witnessed by:

Name: Loretta Lebo Boodu

Signature: 

Designation: **C.M.**

Date: 07-03-2023

### Contract Form

THIS AGREEMENT made the 27<sup>th</sup> day of May, 2022, between **University for Development Studies (UDS) – Tamale** of Ghana (hereinafter called “the Purchaser”) of the one part and **URC Systems Limited, Hanisa Building, GA 01/120/46, Christian Village Junction, Accra** of Ghana (hereinafter called “the Supplier”) of the other part:

WHEREAS the Purchaser invited Tenders for certain goods and ancillary services, viz. **Supply and Installation of Solar Panels for the WACWISA Block** and has accepted a Tender by the Supplier for the supply of those goods and services in the sum of **Six Hundred and Fifteen Thousand, Three Hundred and Thirty Four Ghana Cedis, Sixty Three Pesewas (GHs 615,334.63)** (hereafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
  - (a) the Tender Form and the Price Schedule submitted by the Tenderer;
  - (b) the Schedule of Requirements;
  - (c) the Technical Specifications;
  - (d) the General Conditions of Contract;
  - (e) the Special Conditions of Contract;
  - (f) the Purchaser’s Notification of Award; and
  - (g) Contract Data Sheet
3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the Contract.



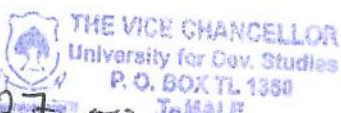
IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

**On behalf of the Purchaser**

Name: **Prof. Gabriel Teye**

Signature: 

Designation: **Vice-Chancellor**

Seal:   
Date: **27-05-2022**

**Witnessed By:**

Name: **Ing. Samuel B. Abiko**

Signature: 

Designation: **Director, WPD**

Date: **27-05-2022**  


**On behalf of the Supplier**

Name: **JULIAN ADIASE**


Signature: 

Designation: **m.d**

Seal:   
Date: **27-05-22**

**Witnessed by:**

Name: **Loretta Boadu**

Signature: 

Designation: **GM.**

Date: **27-05-22**

# TECHNICAL SPECIFICATION

## SUPPLY AND INSTALLATION OF SOLAR PANELS FOR THE WACWISA BLOCK

### DESCRIPTION OFFER

QUANTITY

SUPPLY AND INSTALLATION OF SOLAR PANELS FOR THE GUSSS BLOCK

Various

## TECHNICAL SPECIFICATIONS

### SPECIFICATION REQUIRED

### OFFERED SPECIFICATION

Describe all features of model offered including any not specified. Indicate if a special feature or preference is not available

### Principal Features Sought

1	INVERTER AND ACCESSORIES				
	Supply and install the following				
	A 7.2KW Smart Inverter, 230VAC, 48V DC all in one off grid inverter use with and without batteries c/w all accessories as Outback or equal and approved				
	7.5KVA Voltage Stabiliser	3NO.	61,875.00	Outback Power Inverter	
	PANEL AND ACCESSORIES	3NO.	6,600.00	ABB	
	Supply and install the following:				
	Tier 1 Solar Panel of 380W generation capacity as Jinko or equal and approved	63No	124,740.00	Jinko	



	Panel mounting structure c/w all accessories	21No	23,100.00	Galvanised Steel antirust
	60A DC circuit breakers	3No	1,584.00	OutbackPower
	MC4 Connectors	50No	1,650.00	OutbackPower
	4mm <sup>2</sup> DC copper cable	3 coil	5,775.00	Kable Metal
	Installation accessories	1 lot	5,500.00	
	<b>Cables and AC accessories</b>			
	Supply and lay the following			
	3C x 4mm <sup>2</sup> Autoflex cable as Kable Metal or equal and approved	2500m	154,687.50	Kable Metal
	5C x 10mm <sup>2</sup> Autoflex cable as Kable Metal or equal and approved	15m	1,546.88	Kable Metal
	4mm <sup>2</sup> cable lug	20No	687.50	Kable Metal
	100A TPN bus bar panel	1No	2,062.50	ABB 32AMPS
	Cable Ties	100No	206.25	Kable Metal
	63A Change over switch as Memshiel or equal and approved	3No.	2,887.50	CHNT
	63A AC circuit breakers as Memshiel or equal and approved	3No.	1,732.50	ABB 63AMPS
	20mm pipe	10 No	2,750.00	Interplast
	22mm clips for pipes	1 box	275.00	Interplast
	Allow for installation accessories	1 lot	2,062.50	
	<b>Batteries and Accessories</b>			
	Supply and install the following:			
	Lithium Battery pack, 51.2V,100AH Equipment to about 9.2KWH on a 48V system as Outback or equal and approved	6No	198,000.00	OutbackPower Lithium Battery
	Battery Racks	5No.	13,750.00	OutbackPower
	Battery isolator/fuse	6No.	3,300.00	OutbackPower
	50mm <sup>2</sup> DC Cable	20No.	2,750.00	Kable Metal

	<b>Earthing System</b>				
	Supply and install the following:				
	Pure Copper earth rod buried in a mixture of charcoal and swa dust	1No.	825.00	Kable Metal	
	1C x 16mm <sup>2</sup> PVC isolated copper cable as Kable Metal or equal and approved	80m	275.00	Kable Metal	
	Copper Tray	2No	412.50		
	<b>The Works</b>		619,034.63		
	<b>SUMMARY</b>				
	PRELIMINARIES		50,000.00		
	THE WORKS		619,034.63		
	CONTINGENCIES		61,903.46		
	CONTRACTOR'S ALL RISK INSURANCE		6,190.35		
	<b>TOTAL COST OF WORKS</b>		<b>737,128.43</b>		