

ENGR. EDUARDO EDDIE G. GUILLEN  
Administrator

MR. ROBERT VICTOR G. SEARES, JR.  
Deputy Administrator for  
Administrative and Finance Sector

MR. ANDREW PHILIP W. SARMIENTO  
Authorized Managing Officer

MR. VICTOR M. ANGELES  
Authorized Managing Officer

# Contract Agreement

Contract No. R4B-BSRIPD-C-39

THIS AGREEMENT, made this 2 MAY 2024 day of \_\_\_\_\_, 2024 between **NATIONAL IRRIGATION ADMINISTRATION**, EDSA, Diliman, Quezon City (hereinafter called the "Entity") and **INFRAHUB CONSTRUCTION AND DEVELOPMENT CORP./NORTHERN BUILDERS (JOINT VENTURE)**, Km. 131 Carlos P. Romulo Highway, Brgy. Baras-Baras, Tarlac City, Tarlac (hereinafter called the "Contractor").

**WHEREAS**, the Entity is desirous that the Contractor execute Construction of Bagtignon Earthfill Dam and its Appurtenant Structures in Region 4B under Small Reservoir Irrigation Project, Contract No. R4B-BSRIPD-C-39 (hereinafter called "the Works") and the Entity has accepted the Bid for **SEVEN HUNDRED THIRTY-TWO MILLION ONE HUNDRED FIFTEEN- THOUSAND SEVEN HUNDRED EIGHTY-SEVEN AND 15/100 PESOS (PhP732,115,787.15)** by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

## 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 hereinafter referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, viz.:
  - a. Philippine Bidding Documents (PBDs);
    - i. Drawings/Plans;
    - ii. Specifications;
    - iii. Bill of Quantities;
    - iv. General and Special Conditions of Contract;
    - v. Supplemental or Bid Bulletins No. 1;
  - b. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (e.g., Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

- c. Performance Security;

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Witness:

Witness:

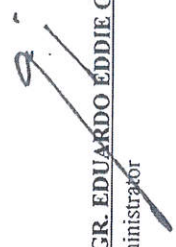
INFRAHUB CONST. & DEVT. CORP./  
NORTHERN BUILDERS (Joint Venture)

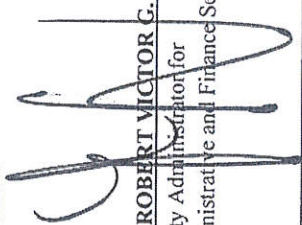
- d. Notice of Award of Contract and the Bidder's conforme thereto; and
- e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.

Additional Contract Documentary Requirements required by law:

1. Construction Schedule in the Form of PERT/CPM, Bar/Gantt Chart and S-Curve;
  2. Manpower Schedule;
  3. Construction Methods and Procedures;
  4. Equipment Utilization Schedule;
  5. Construction Safety and Health Program approved by the Department of Labor and Employment, and
  6. Contractor's Environmental Management Plan (CEMP).
3. In consideration for the sum of **SEVEN HUNDRED THIRTY-TWO MILLION ONE HUNDRED FIFTEEN- THOUSAND SEVEN HUNDRED EIGHTY-SEVEN AND 15/100 PESOS (PhP732,115,787.15)** or such other sums as may be ascertained, **INFRAHUB CONSTRUCTION AND DEVELOPMENT CORP./NORTHERN BUILDERS (JOINT VENTURE)** agrees to execute and complete the Works and remedy any defects therein in conformity with the provisions of this Contract in accordance with his/her/its Bid, broken down as follows:

Item No.	Description	Quantity	Unit	Unit Cost	Total Cost
1	A. GENERAL REQUIREMENTS				
	I.1. Temporary Works, Construction Plant, Mobilization of Construction Equipment and Demobilization Works	1.00	L.S.	10,223,795.83	10,223,795.83
2	I.2. Construction Safety & Health	1.00	L.S.	2,511,935.76	2,511,935.76
	SUB-TOTAL A				12,735,731.59
	B. CIVIL WORKS				
	I. CONTRACT WORKS				
	a. DAM AREA				
4	a.1 Clearing & Grubbing (Inclu. Disposal AHD = 3.00km)	51,261.59	sq.m.	32.11	1,646,009.65

  
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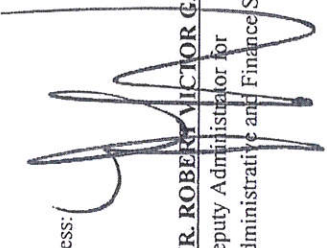
  
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5	a.2 Diversion and Care of River During Construction and Unwatering of Foundation	1.00	L.S.	10,436,462.96	10,436,462.96
6	a.3 Access Road to Damsite				
	a) Aggregate Base Course	1,812.18	cu.m.	2,068.66	3,748,784.28
	b) Aggregate Sub-base Course	1,638.95	cu.m.	1,975.90	3,238,401.31
	c) Common Excavation	189.00	cu.m.	247.39	46,756.71
	d) Concrete Structures, 211 kg/cm <sup>2</sup> , Class "A"	76.50	cu.m.	12,104.75	926,013.38
	e) Reinforcing Steel Bars (all sizes Grade 40)	3,155.16	kgs.	112.08	353,630.33
	f) Rubble Masonry	437.50	cu.m.	4,536.94	1,984,911.25
7	a.4 Excavation and Foundation preparation				
	a) Common	116,074.80	cu.m.	247.39	28,715,744.77
	b) Rock	12,916.60	cu.m.	653.82	8,445,131.41
8	a.5 Overhaul (Waste Disposal), AHD = 3.00 kms	12,916.60	cu.m.	451.19	5,827,840.75
9	a.6 Drilling and Grouting				
	a) Drilling (Non-coring)	2,787.00	l.m	5,533.48	15,421,808.76
	b) Standpipe	210.00	pcs.	1,207.82	253,642.20
	c) Pressure Grouting	1,394.00	bags	4,449.80	6,203,021.20
	d) Checkhole (Core Drilling)	126.00	l.m	5,961.69	751,172.94
	e) Water Pressure Test	42.00	test	3,040.10	127,684.20
10	a.7 Dam Embankment				
	a) Test Fill	1,500.00	cu.m.	382.85	574,275.00
	b) Impervious Clay	111,577.30	cu.m.	378.20	42,198,534.86
	c) Random Fill	190,384.06	cu.m.	303.60	57,800,600.62
	d) Filter Drain				
	d.1) Sand	12,788.00	cu.m.	1,894.87	24,231,597.56
	d.2) Gravel	14,299.70	cu.m.	1,968.62	28,150,675.41
	e) Gravel Bedding	6,293.30	cu.m.	2,088.63	13,144,375.18
	f) Boulder Riprap	12,788.80	cu.m.	2,285.67	29,230,976.50
	g) Rock Toe	11,534.90	cu.m.	2,285.87	26,367,281.86
	h) Grass Sodding	10,056.60	cu.m.	467.84	4,704,879.74
11	a.8 Concrete Structures				
	a) 211 kg/cm <sup>2</sup> , Class "A"	32.76	cu.m.	12,104.75	396,551.61
12	a.9 Reinforcing Steel Bars, all sizes				
	a) Grade 40	1,309.90	kgs.	111.75	146,381.33
13	a.10 Dam Instrumentation				
	a) Furnish & Installation (Standpipe Piezometer= 17 sets)	1.00	L.S.	1,795,687.68	1,795,687.68

  
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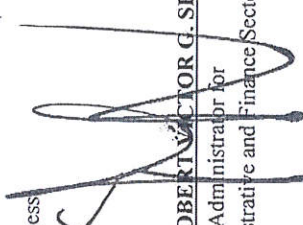
  
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14	b) Surface Measuring Point (SMP)	14.00	units	6,923.47	96,928.58
	c) Bench Mark	7.00	units	1,883.95	13,187.65
	d) Seepage Monitoring Weir	1.00	L.S.	240,270.39	240,270.39
	e) Sediment Measuring Range	14.00	units	3,994.29	55,920.06
	a.11 Miscellaneous Metal Works & Materials				
15	a.) Railing				
	a. 1) Guard Railing, G.I. Pipe 50mmØ (Dam Crest)	1,332.00	l.m	700.69	933,319.08
	a. 2) Stair Railing, G.I. Pipe 50mmØ (Stair)	291.48	l.m	562.48	163,951.67
	b.) Rock Toe Drain Pipe	162.47	l.m	13,841.70	2,248,861.00
	a.12 Roads (Dam Crest)				
16	a) Aggregate Base Course	348.25	cu.m.	2,068.66	720,410.85
	b) Aggregate Sub-base Course	177.81	cu.m.	1,975.90	351,334.78
	SUB-TOTAL a				321,693,017.50
	b. SPILLWAY AREA				
	b.1 Excavation and Foundation preparation				
17	a) Common	116,341.51	cu.m.	247.39	28,781,726.16
	b) Rock	122,468.34	cu.m.	653.82	80,072,250.06
	b.2 Overhaul (Waste Disposal) AHD = 3.00 kms.	87,549.78	cu.m.	451.19	39,501,585.24
	b.3 Filling and Backfilling	9,586.78	cu.m.	99.64	955,226.76
	b.4 Concrete Structures				
20	a) 211 kg/cm <sup>2</sup> , Class "A"	4,974.68	cu.m.	12,104.75	60,217,257.73
	b.5 Reinforcing Steel Bars (all sizes)				
	a) Grade 40	91,713.08	kgs.	111.75	10,248,936.69
	b) Grade 60	256,065.42	kgs.	109.90	28,141,589.66
	b.6 Concrete Joints and Joint Materials				
21	a) PVC Waterstop (230mm width)	3,040.16	l.m	3,102.50	9,432,096.40
	b) Joint Sealant	217.80	liters	2,807.78	611,534.48
	c) Joint Filler (Bituminous Type)	250.47	sq.m.	2,793.81	699,765.59
	b.7 Filter Drain				
	a) Sand	244.08	cu.m.	1,894.87	462,499.87
23	b) Gravel	177.02	cu.m.	1,968.62	348,485.11
	b.8 Grouted Riprap	659.28	cu.m.	5,876.12	3,874,008.39
24	b.9 Anchor Bars, 25 mm Ø x 1.50 m	663.00	pcs.	1,129.93	749,143.59

  
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25	b.10 Miscellaneous Metal Works & Materials				
	a.) Perforated PVC Pipe, 100mm Ø Schedule 40	718.46	l.m	1,519.45	1,091,664.05
	b.) PVC Pipe, 50mm Ø Schedule 40	484.20	l.m	749.35	362,835.27
	c.) Dowel Bar, 20mm Ø x 750mm long, Plain Bar	861.87	kgs.	59.25	51,065.80
	d.) Dowel Bar, 16mm Ø x 800mm long, Plain Bar	517.58	kgs.	60.54	31,334.29
	e.) Ladder Rung, 25mm Ø Plain Bar	72.07	kgs.	112.36	8,097.79
	f.) 2 cm, Neoprene Bearing Pad	0.64	sq.m.	25,168.00	16,107.52
	g.) Guard Railing, G.I. Pipe 75mm Ø (Dam Crest)	12.00	l.m	1,471.80	17,661.60
	h.) G.I. Pipe 25 mm Ø Bridge Anchor	180.00	l.m	1,006.04	181,087.20
	SUB-TOTAL b				265,855,959.25
	c. OUTLET WORKS (Diversion and Irrigation)				
26	c.1 Excavation and Foundation preparation				
	a) Common	57,909.04	cu..m.	166.23	9,626,219.72
	b) Rock	11,295.30	cu..m.	546.84	6,176,721.85
27	c.2 Overhaul (Waste Disposal), AHD = 3.00 kms.	11,295.30	cu..m.	239.15	2,701,271.00
28	c.3 Filling and Backfilling				
	a) From Excavated Materials	965.12	cu..m.	103.11	99,513.52
	b) Impervious Clay	1,160.59	cu..m.	378.20	438,935.14
	c) Random Fill	3,000.00	cu..m.	303.60	910,800.00
29	c.4 Concrete Structures				
	a) 21.0 MPa, Class "A"	2,337.33	cu..m.	12,104.75	28,292,795.32
	b) 7.0 MPa, Lean Concrete	187.00	cu..m.	6,043.34	1,130,104.58
	c) Concrete Plug, Class "A" Conc. w/ Contact Grouting	58.05	cu..m.	11,806.64	685,375.45

Witness:

Witness:

NATIONAL IRRIGATION

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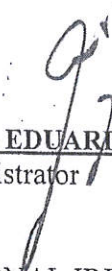
30	c.5 Reinforcing Steel Bars, all sizes				
	a.) Grade 40	10,767.19	kgs.	111.74	1,203,125.81
	a.) Grade 40	10,767.19	kgs.	111.74	1,203,125.81
31	c.6 Concrete Joints and Joint Materials				
	a.) PVC Waterstop ) (230mm width	1,089.92	l.m	3,101.47	3,380,354.18
	b.) Joint Sealant	5,449.60	liters	2,797.19	15,243,566.62
	c.) Joint Filler (Bituminous Type)	544.96	sq.m.	2,795.18	1,523,261.29
32	c.7 Miscellaneous Metal Works & Materials				
	a.) Trash Racks				
	a.1) 3.10m x 1.25 m	2.00	sets	43,653.39	87,306.78
	a.2) 2.40 m x 1.25 m	2.00	sets	43,920.16	87,840.32
	b.) Steel Frame, 4.40 m x 3.20 m with Manhole	1.00	set	84,968.38	84,968.38
33	c.) Fabrication, Supply, Delivery & Installation of Steel Pipes, Reducer Pipes, Flanges, bolts, nuts, washer & other accessories to complete the works including Non-Destructive Test (NDT)	1.00	L.S.	22,959,613.09	22,959,613.09
	c. OUTLET WORKS (Diversion and Irrigation)				
34	c.8 Gate Valve and Butterfly Valves				
	a.) Gate Valve 900mm Ø, Gear Reduction w/ bypass valve	1.00	assy.	6,413,000.00	6,413,000.00
	b.) Butterfly Valve 900mm Ø, Gear Reduction w/ bypass valve	1.00	assy.	4,168,450.00	4,168,450.00
	c.) Dresser Coupling 900mm Ø	1.00	assy.	1,234,200.00	1,234,200.00
	SUB-TOTAL c				131,831,078.81
	SUB-TOTAL B (a+b+c)				719,380,055.56
	SUB-TOTAL A+B				732,115,787.15


4. The National Irrigation Administration agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof, the parties thereto have caused this Agreement to be executed the day, month and year first before written.

Signed by:

Signed by:

  
ENGR. EDUARDO EDDIE G. GUILLEN  
Administrator

  
MR. VICTOR M. ANGELES  
Authorized Managing Officer

NATIONAL IRRIGATION  
ADMINISTRATION

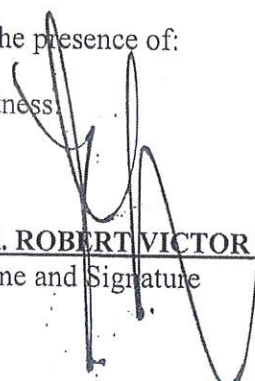
INFRAHUB CONST. & DEVT. CORP./  
NORTHER BUILDERS (Joint Venture)

In the presence of:

In the presence of:

Witness:

Witness:

  
MR. ROBERT VICTOR G. SEARES, JR.  
Name and Signature

  
MR. ANDREW PHILIP W. SARMIENTO  
Name and Signature

## ACKNOWLEDGEMENT

REPUBLIC OF THE PHILIPPINES)



QUEZON CITY

) S.S.

Personally appeared before me this \_\_\_\_\_ day of 2 MAY 2024, 2024 at Quezon City, **ENGR. EDUARDO EDDIE G. GUILLEN**, Administrator, National Irrigation Administration, with Valid ID No. 935128 issued by National Irrigation Administration on May 18, 2023 and **MR. VICTOR M. ANGELES**, Authorized Managing Officer, Infracore Construction and Development Corp./ Northern Builders (Joint Venture), with Valid Passport ID No. P827494A, known to me and to me known to be the same persons who executed the foregoing instrument and they acknowledged to me that the same are their own free and voluntary act and deed.

This Contract Agreement, consisting of eight (8) pages, including this notarial acknowledgement, duly signed by both parties and their instrumental witnesses on each and every page thereof, refers to the Construction of Bagtingon Earthfill Dam and its Appurtenant Structures in Region 4B under Small Reservoir Irrigation Project, Contract No. R4B-BSRIPD-C-39.

WITNESS MY HAND AND NOTARIAL SEAL on the date and at the place first above-written.

  
  
NOTARY PUBLIC  
Notary Public for the Province of  
Until December 31, 2024  
No. 1, Hilario St., Ligtasán, Tarlac City  
PTR No. 101-14, 2025  
Issued at  
TIN No. 05553851 / 1-2-2024  
Issued on  
TIN No. 142-257-087  
Roll # 37064

Doc. No. 441;

Page No. 89;

Book No. CCXXII;

Series of 20 24.