

## Contract Agreement

Contract No. SRIPD-C-33

BY:   
**GEN. RICARDO R. VISAYA (Ret)**  
 Administrator

**THIS AGREEMENT**, made this 14<sup>th</sup> day of January 2020 between the **NATIONAL IRRIGATION ADMINISTRATION**, with principal office address at NIA Bldg., EDSA, Quezon City, represented by its Administrator, **GEN. RICARDO R. VISAYA (Ret)** (hereinafter called the "Entity") and **P. L. SEBASTIAN CONSTRUCTION, INC./ R. D. INTERIOR JUNIOR CONSTRUCTION/ CHINA CAMC ENGINEERING CO., LTD. (Consortium)**, with principal office address at 11<sup>th</sup> Floor, Triumph Building, Quezon Avenue, Quezon City, represented by its Authorized Managing Officer, **RICARDO D. INTERIOR, JR.** (hereinafter called the "Contractor").

Witness:

  
**MGEN ROMEO G. GAN (Ret)**  
 Deputy Administrator for  
 Administrative & Finance

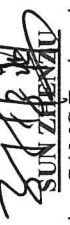
**WHEREAS**, the Entity is desirous that the Contractor execute the Construction of Balbalungao Earthfill Dam and its Appurtenant Structures under the Small Reservoir Irrigation Project (SRIP), Invitation to Bid No. SRIPD-C-33, (hereinafter called "the Works") and the Entity has accepted the Bid for **Eight Hundred Thirty Two Million Nine Hundred Seventy Three Thousand Seven Hundred Four and 72/100 Pesos (PhP832,973,704.72)** 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 shall be attached, deemed to form, and be read and construed as part of this Agreement, to wit:
  - (a) General and Special Conditions of Contract;
  - (b) Drawings / Plans;
  - (c) Technical Specifications;
  - (d) Invitation To Bid;
  - (e) Instructions to Bidders;
  - (f) Bid Data Sheet;
  - (g) Supplemental/Bid Bulletin No. 1;
  - (h) Bidder's Financial Component of Bid containing the Bid form including Detailed Breakdown of Estimates;
  - (i) Bidder's Technical Component of Bid containing its Eligibility and Technical Documents;
  - (j) Performance Security;
  - (k) Credit Line Certificate;
  - (l) Notice of Award of Contract and the Bidder's conformity thereto;
  - (m) BAC Resolution No. CW-NCB-2019-03-recommending Award of Contract;

Witness:

P.L. SEBASTIAN CONST./ R.D. INTERIOR JUNIOR CONST./  
 CHINA CAMC ENGINEERING CO., LTD. (Consortium)

  
**SUN ZHENZHU**  
 China CAMC Engineering  
 Co., Ltd.

BY:   
**RICARDO D. INTERIOR, JR.**  
 Authorized Managing Officer

BY:   
**GEN RICARDO J. VISAYA (Ref)**  
 Administrator

- (n) NIA Board Resolution No. 8629-19, series of 2019 approving the BAC-A Resolution No. CW-NCB-2019-03
- (o) NIA's Certificate of Availability of Funds (CAF);
- (p) Additional Documentary Requirements required by law:
  - o.1 Construction Schedule in the Form of PERT/CPM, Bar/Gantt Chart and S-Curve
  - o.2 Manpower Schedule
  - o.3 Construction Methods and Procedures
  - o.4 Equipment Utilization Schedule
  - o.5 Construction Safety and Health Program approved by the Department of Labor and Employment (DOLE), and
  - o.6 Contractor's Environmental Management Plan (CEMP)

3. In consideration of the payments to be made by the Entity to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Entity to execute and complete the Works and remedy any defects therein in conformity with the provisions of this Contract in all respects, broken down as follows:


**SCOPE OF WORKS:**

Item No	Description	Quantity	Unit	Unit Cost	Total Cost
101	A. Temporary Works, Construction Plant, Mobilization of Construction Equipment and Demobilization Work <b>Sub Total-A</b>	1.00	L.S.	18,900,000.00	18,900,000.00
102	B. Clearing and Grubbing (Including Disposal AHD = 1.00 km) <b>Sub Total-B</b>	112,629.00	sq.m.	25.66	2,890,060.14
103	C. Diversion & Care of River during Construction and Unwatering Foundation <b>Sub Total-C</b>	1.00	L.S.	10,910,000.00	10,910,000.00
104	D. DAM AREA Excavation and Foundation preparation				
	a) Common	158,154.00	cu.m.	178.27	28,194,113.58
	b) Rock	10,644.00	cu.m.	458.30	4,878,145.20
105	Overhaul (Waste Disposal), AHD = 1.00 kms.	168,798.00	cu.m.	121.97	20,588,292.06
106	Dam Embankment				
	a) Impervious Clay	366,425.00	cu.m.	228.20	83,618,185.00
	b) Random Fill	195,165.00	cu.m.	332.98	64,986,041.70
	c) Filter Drain	78,774.00	cu.m.	564.92	44,501,008.08
	c.1.) Sand = 39,560 cu.m.				
	c.2.) Gravel = 39,214 cu.m.				
	d) Boulder Riprap	13,144.00	cu.m.	3,496.90	45,963,253.60
	e) Gravel Blanket	6,624.00	cu.m.	621.42	4,116,286.08
	f) Rock Toe	26,050.00	cu.m.	790.98	20,605,029.00
	g) Ballast				
	g.1) Well-Graded Crush Gravel	4,259.00	cu.m.	693.27	2,952,636.93
	g.2) Sand and Gravel	4,258.00	cu.m.	621.42	2,646,006.36
107	Drilling and Grouting				
	a) Drilling (Non-coring)	6,438.00	l.m.	1,500.50	9,660,219.00
	b) Standpipe	348.00	pcs.	7,500.25	2,610,087.00

P.L. SEBASTIAN CONST./ R.D. INTERIOR JUNIOR CONST./  
 CHINA CAMC ENGINEERING CO., LTD. (Consortium)

Witness:

  
**MGEN ROMEO G GAN (Ref)**  
 Deputy Administrator for  
 Administrative & Finance

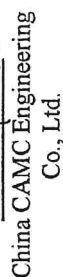
  
**SUN ZHEN**  
 China CAMC Engineering  
 Co., Ltd.

By:   
**RICARDO D. INTERIOR, JR.**  
 Authorized Managing Officer



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Witness:

  
**MGEN ROMEO G GAN (Ret)**  
Deputy Administrator for  
Administrative & Finance

BY:   
**GEN RICARDO VISAYA (Ret)**  
Administrator

NATIONAL IRRIGATION ADMINISTRATION

	c) Check hole (Core-drilling)	200.00	l.m.	2,500.75	500,150.00
	d) Pressure Grouting	370.00	bags	1,500.80	555,296.00
	e) Water Pressure Test	66.00	tests	15,000.00	990,000.00
108	Dam Instrumentation (8 units)				
	a) Furnish Standpipe Piezometer	1.00	L.S.	1,500,000.00	1,500,000.00
	1. Plain PVC Tube, 38mm. dia., sch. 80				
	2. Perforated PVC Tube, 38mm. dia., sch 80				
	3. Top, Bottom PVC caps and PVC couplings				
	4. Water Level Indicator, 50 meters				
	5. Bentonite Pellets, 25 kg/bag				
	6. Plastic Piezometer Tip				
	b) Installation Standpipe Piezometer	1.00	L.S.	450,000.00	450,000.00
	1. Plain PVC Tube, 38mm. dia., sch. 80				
	2. Perforated PVC Tube, 38mm. dia., sch 80				
	3. Top, Bottom PVC caps and PVC couplings				
	4. Water Level Indicator, 50 meters				
	5. Bentonite Pellets, 25 kg/bag				
	6. Plastic Piezometer Tip				
	c) Non-Core Drilling	180.00	l.m.	1,500.50	270,090.00
	d) Surface Measurement Point	8.00	units	3,600.80	28,806.40
	e) Bench Mark	2.00	units	5,000.70	10,001.40
	f) Seepage Collector Drain	120.00	l.m.	6,000.80	720,096.00
109	Rubble Masonry Fence / Wheel Guard	133.00	cu.m.	6,842.67	910,075.11
110	Roads				
	a) Dam Crest Road Surfacing Material	400.00	cu.m.	800.30	320,120.00
	b) Sub-Base Course	300.00	cu.m.	575.80	172,740.00
	Sub Total-D				341,746,678.50
	E. SPILLWAY AREA				
111	Excavation and Foundation Preparation				
	a) Common	261,615.00	cu.m.	178.27	46,638,106.05
	b) Rock	208,342.00	cu.m.	458.30	95,483,138.60
112	Overhaul (Waste Disposal), AHD = 1.00 kms.	432,313.00	cu.m.	121.97	52,729,216.61
113	Filling and Backfilling	37,644.00	cu.m.	332.98	12,534,699.12
114	Concrete Structures, 211 kg/cm <sup>2</sup> , Class "A"	2,772.00	cu.m.	8,956.06	24,826,198.32
115	Reinforcing Steel Bars, all sizes (Grade 40)	188,389.00	kgs.	74.70	14,072,658.30
116	Concrete Joints and Joint Materials				
	a) PVC Waterstop (230 mm. width)	1,000.00	l.m.	5,318.53	5,318,530.00
	b) Joint Sealant	250.00	liters	486.27	121,567.50
	c) Joint Filler	392.00	sq.m.	3,010.60	1,180,155.20
117	Filter Drain	422.00	cu.m.	564.92	238,396.24
	a) Sand = 222 cu.m.				
	b) Gravel = 200 cu.m.				
118	Anchor Bars, 20mm dia	64.00	pcs	1,050.60	67,238.40
119	Spillway Instrumentation (4 units)				
	a) Furnish Standpipe Piezometer	1.00	L.S.	1,500,000.00	1,500,000.00
	1. Plain PVC Tube, 38mm. dia., sch. 80				
	2. Perforated PVC Tube, 38mm. dia., sch 80				
	3. Top, Bottom PVC caps and PVC couplings				
	4. Water Level Indicator, 50 meters				
	5. Bentonite Pellets, 25 kg/bag				
	6. Plastic Piezometer Tip				

Witness:

By: RICARDO D. INTERIOR, JR.  
Authorized Managing Officer

SEN ZHENZU  
China CAMC Engineering  
Co., Ltd.

Witness:

MGEN ROMEO G CAN (Ref)  
Deputy Administrator for  
Administrative & Finance

By: GEN RICARDO R. VISAYA (Ref)  
Administrator

	b) Installation Standpipe Piezometer	1.00	L.S.	450,000.00	450,000.00
	1. Plain PVC Tube, 38mm. dia., sch. 80				
	2. Perforated PVC Tube, 38mm. dia., sch 80				
	3. Top, Bottom PVC caps and PVC couplings				
	4. Water Level Indicator, 50 meters				
	5. Bentonite Pellets, 25 kg/bag				
	6. Plastic Piezometer Tip				
	c) Non-core Drilling	40.00	L.m.	1,500.50	60,020.00
	d) Surface Measuring Point	4.00	units	3,600.80	14,403.20
120	Miscellaneous Metal Works and Materials				
	a) Weep Holes, 5cmØ x 60cm	190.00	pcs	650.70	123,633.00
	b) Perforated PVC Pipe, 10cmØ, Sch 80	600.00	l.m.	1,300.60	780,360.00
	<b>Sub Total-E</b>				<b>256,138,320.54</b>
	<b>F. OUTLET WORKS (Diversion and Irrigation Conduit)</b>				
121	Excavation and Foundation Preparation				
	a) Common	43,260.00	cu.m.	178.27	7,711,960.20
	b) Rock	47,212.00	cu.m.	458.30	21,637,259.60
122	Overhaul (Waste Disposal), AHD = 1.00 kms.	77,083.00	cu.m.	121.97	9,401,813.51
123	Filling and Backfilling				
	a) From Excavated Materials	13,389.00	cu.m.	312.18	4,179,778.02
	b) Impervious Clay	28,389.00	cu.m.	228.20	6,478,369.80
	c) Random Fill	19,461.00	cu.m.	332.98	6,480,123.78
124	Concrete Structures				
	a) 281kg/cm <sup>2</sup> , Class "AA"	4,135.00	cu.m.	11,847.71	48,990,280.85
	b) 211 kg/cm <sup>2</sup> , Class "A"	97.00	cu.m.	8,956.06	868,737.82
	c) 70 kg/cm <sup>2</sup> , Class "B" Lean Concrete	37.00	cu.m.	7,576.70	280,337.90
125	Reinforcing Steel Bars, all sizes (Grade 40)	475,630.00	kgs.	74.70	35,529,561.00
126	Concrete Joints and Joint Materials				
	a) PVC Waterstop (230mm width)	1,450.00	l.m.	5,318.53	7,711,868.50
	b) Joint Sealant	450.00	liters	486.27	218,821.50
	c) Joint Filler (20mm thk Preformed Bituminous Type)	220.00	sq.m.	3,010.60	662,332.00
127	Rubble Masonry	220.00	cu.m.	6,842.67	1,505,387.40
128	Miscellaneous Metal Works and Materials				
	a) Solid Stainless Stell Intake Trash Racks, 75mm. Dia.	525.00	kgs.	2,010.10	1,055,302.50
	b) Awning Type Stell Casement Window, 500mm x 1200mm	2.00	sets	10,050.00	20,100.00
	c) Steel Door c/w jamb and Accessories	4.00	set	15,100.20	60,400.80
	d) Roofing and Roof Framing	1.00	L.S.	250,000.00	250,000.00
	e) Ladder Rung, 20mmØ Plain Bar	50.00	kgs.	85.60	4,280.00
	f) Ladder Rung, 16mmØ Plain Bar	133.00	kgs.	79.80	10,613.40
	g) Fabrication, Supply, Delivery and Installation of Steel Pipes Wye Branch, Reducer Pipes, Flanges, bolts, nuts, washer and other accessories to complete the works including Non-Destructive Test (NDT)	333,986.00	kgs.	137.36	45,876,316.96

129	Gate Valve and Butterfly Valves				
	a) Gate Valve,				
	a.1) 1000mm dia. with Gear Reduction w/ bypass valve	1.00	assy.	75,000.00	75,000.00
	a.2) 500mm dia. with Gear Reduction w/ bypass valve	1.00	assy.	65,000.00	65,000.00
	b) Butterfly Valve,				
	b.1) 1000mm dia. with Gear Reduction w/ bypass valve	1.00	assy.	82,000.00	82,000.00
	b.2) 500mm dia. with Gear Reduction w/ bypass valve	1.00	assy.	73,000.00	73,000.00
	c) Dresser Coupling,				
	c.1) 1000mm dia.	1.00	assy.	86,000.00	86,000.00
	c.2) 500mm dia.	1.00	assy.	74,000.00	74,000.00
130	Electrical Works	1.00	L.S.	3,000,000.00	3,000,000.00
	<b>Sub Total-F</b>				<b>202,388,645.54</b>
	<b>TOTAL</b>				<b>832,973,704.72</b>


4. The Entity hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of this Contract at the times and in the manner prescribed by this Contract.

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

Signed by:

  
**GEN RICARDO R. VISAYA (Ret)**  
 Administrator  
 NATIONAL IRRIGATION  
 ADMINISTRATION

Signed by:

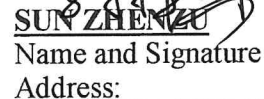
  
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 Authorized Managing Officer  
 P. L. SEBASTIAN CONSTRUCTION, INC./  
 R. D. INTERIOR JUNIOR CONSTRUCTION/  
 CHINA CAMC ENGINEERING CO., LTD.  
 (Consortium)

Witness:

  
**MGEN ROMEO G. GAN (Ret)**  
 Name and Signature  
 Address: \_\_\_\_\_

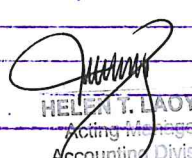
Date: \_\_\_\_\_

Witness:

  
**SUN ZHENZHU**  
 Name and Signature  
 Address: \_\_\_\_\_

Date: \_\_\_\_\_

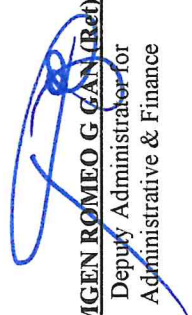
FUNDS AVAILABLE	
PART	AMOUNT
501-2019-12-026 LFRS	143,851,171.00
GPA 2019	

  
 HELEN T. LAOYAN  
 Acting Manager  
 Accounting Division



BY:   
**GEN RICARDO R. VISAYA (Ret)**  
 Administrator

Witness:

  
**MGEN ROMEO G. GAN (Ret)**  
 Deputy Administrator for  
 Administrative & Finance

Witness:

P.L. SEBASTIAN CONST./ R.D. INTERIOR JUNIOR CONST./  
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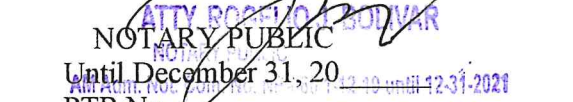
## ACKNOWLEDGEMENT

REPUBLIC OF THE PHILIPPINES)  
 QUEZON CITY ) S.S.

Personally appeared before me this JAN 16 2020 day of JAN 16 2020 at Quezon City, **GEN RICARDO R VISAYA (Ret)**, Administrator, National Irrigation Administration, with Valid Identification No. **000001** issued by **National Irrigation Administration** on **March 28, 2017** and **RICARDO D. INTERIOR, JR.**, Authorized Managing Officer, P. L. Sebastian Construction, Inc./ R. D. Interior Junior Construction/ China CAMC Engineering Co., Ltd. (Consortium), with **Valid Identification Tax Identification No. 102-202-940** issued by **Bureau of Internal Revenue** on **August 29, 2006**, 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 six (6) 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 Balbalungao Earthfill Dam and its Appurtenant Structures under the Small Reservoir Irrigation Project (SRIP), Invitation to Bid No. SRIPD-C-33.

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

  
 NOTARY PUBLIC  
 Until December 31, 2020  
 PTR No. 129-871-009  
 Issued at Quezon City  
 Issued on valid from 04/16/2016 until 04/14/2019  
 TIN No. 129-871-009

Doc. No. 50 ;  
 Page No. 10 ;  
 Book No. 2 ;  
 Series of 20 700