

BY: GEN RICARDO R VISAYA (Ret)
Administrator

Contract Agreement

Contract No. SRIPD-C-20RW

THIS AGREEMENT, made this day of JAN 17 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 **GREEN ASIA CONSTRUCTION AND DEVELOPMENT CORPORATION** with principal office address at No. 4 Bentley Street, St. Dominic Villa, San Agustin, City of San Fernando, Pampanga, represented by its Authorized Representative, **RENATO M. LEGASPI, JR.** (hereinafter called the "Contractor").

WHEREAS, the Entity is desirous that the Contractor execute the Construction of Ibato-Iraan Earthfill Dam and its Appurtenant Structures under the Small Reservoir Irrigation Project (SRIP), Invitation to Bid No. SRIPD-C-20RW, (hereinafter called "the Works") and the Entity has accepted the Bid for **Three Hundred Twenty Two Million Eight Hundred Thirty Two Thousand Four Hundred Thirty Eight and 17/100 Pesos (PhP322,832,438.17)** 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;

Witness:

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


Witness:


LEE R. RIÑO
Liason Officer
Green Asia Const. &
Dev't Corporation

GREEN ASIA CONST. & DEVELOPMENT CORP.

By: RENATO M. LEGASPI, JR.
Authorized Representative

By: 
RENATO M. LEGASPI, JR.
 Authorized Representative


LEE R. RIÑO
 Liaison Officer
 Green Asia Const. &
 Dev't Corporation


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


BY: 
GEN. RICARDO P. VISAYA (Ref)
 Administrator


- (m) BAC Resolution No. CW-NCB-2019-05-recommending Award of Contract;
- (n) NIA's Certificate of Availability of Funds (CAF);
- (o) 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 w/ 0.88% Discount	Total Cost w/ 0.88% Discount
101	A. Temporary Works, Construction Plant, Mobilization of Construction Equipment and Demobilization Work Sub Total-A	1.00	LS.	6,398,830.37	6,398,830.37
	B. Clearing and Grubbing (Including Disposal AHD = 5.00 km) Sub Total-B	30,000.00	sq.m.	42.13	1,263,900.00
	C. Diversion and Care of River during Construction & Unwatering Foundation Sub Total-C	1.00	LS.	1,024,940.45	1,024,940.45
104	D. DAM AREA Excavation and Foundation preparation				
	a) Common	27,960.00	cu.m.	120.54	3,370,298.40
	b) Rock	5,760.00	cu.m.	412.81	2,377,785.60
105	Overhaul (Waste Disposal), AHD = 5.00 kms.	33,720.00	cu.m.	92.95	3,134,274.00
106	Dam Embankment				
	a) Impervious Clay	95,490.00	cu.m.	399.34	38,132,976.60
	b) Random Fill	185,950.00	cu.m.	293.97	54,663,721.50
	c) Filter Drain	17,400.00	cu.m.	1,010.08	17,575,392.00
	c.1.) Sand = 8,190 cu.m.				
	c.2.) Gravel = 9,210 cu.m.				
	d) Boulder Riprap	11,690.00	cu.m.	1,284.60	15,016,974.00
	e) Rock Toe	7,020.00	cu.m.	1,273.43	8,939,478.60
	f) Gravel Bedding	5,560.00	cu.m.	1,737.08	9,658,164.80
	g) Grass Sodding	10,030.00	sq.m.	126.38	1,267,591.40
107	Concrete Structures, 211 kg/cm ² , Class "A"	55.00	cu.m.	10,880.96	598,452.80
108	Reinforcing Steel Bars, all sizes (grade 40)	3,300.00	kgs.	73.63	242,979.00

By: 
RENATO M. LEVASPI, JR.
 Authorized Representative

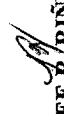

LEE K. RIÑO
 Liaison Officer
 Green Asia Const. &
 Dev't Corporation



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

BY: 
GEN. RICARDO R. VISAYA (Ref)
 Administrator

109	Drilling and Grouting				
	a) Drilling (Non-coring)	1,309.00	l.m.	2,449.75	3,206,722.75
	b) Standpipe	85.00	pcs	703.17	59,769.45
	c) Check hole (Core-drilling)	100.00	l.m.	3,627.79	362,779.00
	d) Pressure Grouting	207.00	bags	2,752.34	569,734.38
	e) Water Pressure Test	34.00	tests	2,452.35	83,379.90
110	Dam Instrumentation (17 units)				
	a) Furnish Standpipe Piezometer	1.00	L.S.	226,231.49	226,231.49
	1. Plain PVC Tube, 75mm. dia x 3m length, sch 80				
	2. Perforated PVC Tube, 75mm. dia x 3m length, 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.	183,982.58	183,982.58
	1. Plain PVC Tube, 75mm. dia x 3m length, sch 80				
	2. Perforated PVC Tube, 75mm. dia x 3m length, 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	225.00	l.m.	3,539.38	796,360.50
	d) Surface Measurement Point	20.00	units	3,128.23	62,564.60
	e) Bench Mark	2.00	units	5,114.59	10,229.18
	f) Seepage Measuring Weir				
	1.) 0.30mØ PVC, Perforated Pipe	95.00	l.m.	2,826.49	268,516.55
	2.) Measuring Weir Structure	1.00	L.S.	161,311.85	161,311.85
111	Miscellaneous				
	Metal works and Materials				
	a) Metal Beam Railing (20cm x 30 cm x 3.0 m)	460.00	l.m.	1,326.57	610,222.20
	b) 75Ø dia G.I. Pipe Railing	126.00	l.m.	2,501.60	315,201.60
112	Road Surfacing	540.00	cu.m.	1,326.23	716,164.20
	a) Sand = 180 cu. m.				
	b) Gravel = 360 cu. m.				
	Sub Total-D				162,611,258.93
	E. SPILLWAY AREA				
113	Excavation and Foundation Preparation				
	a) Common	5,578.00	cu.m.	120.54	672,372.12
	b) Rock	86,340.00	cu.m.	412.81	35,642,015.40
114	Overhaul (Waste Disposal), AHD = 5.00 kms.	80,643.00	cu.m.	92.95	7,495,766.85
115	Filling and Backfilling	11,275.00	cu.m.	109.38	1,233,259.50
116	Concrete Structures, 211 kg/cm2, Class "A"	4,380.00	cu.m.	10,880.96	47,658,604.80
117	Reinforcing Steel Bars, all sizes (Grade 40)	225,236.00	kgs.	73.63	16,584,126.68

By: 
RENATO M. LEGASPI, JR.
 Authorized Representative


LEE R. RIÑO
 Liaison Officer
 Green Asia Const. &
 Dev't Corporation


MGEN ROMEO G. GANTIER
 Deputy Administrator for
 Administrative & Finance

BY: 
SEN. RECTOR R. VISAYA (Ref)
 Administrator

118	Concrete Joints and Joint Materials				
	a) PVC Waterstop (230 mm. width, Dumbell Type)	530.00	l.m.	2,117.20	1,122,116.00
	b) Joint Sealant	120.00	liters	1,285.36	154,243.20
	c) Joint Filler	1,270.00	sq.m.	1,439.31	1,827,923.70
119	Filter Drain	450.00	cu.m.	1,187.85	534,532.50
	a) Sand = 200 cu.m.				
	b) Gravel = 250 cu.m.				
120	Rubble Masonry	750.00	cu.m.	5,282.79	3,962,092.50
121	Grouted Riprap	900.00	cu.m.	4,510.95	4,059,855.00
122	Anchor Bars, (20mmØ x 2.10m w/ cement grout)	1,170.00	pcs	878.35	1,027,669.50
123	Spillway Instrumentation (3 units)				
	a) Furnish Standpipe Piezometer	1.00	L.S.	86,059.82	86,059.82
	1. Plain PVC Tube, 75mm. dia x 3m length., sch 80				
	2. Perforated PVC Tube, 75mm. dia x 3m length., 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.	58,020.88	58,020.88
	1. Plain PVC Tube, 75mm. dia x 3m length., sch 80				
	2. Perforated PVC Tube, 75mm. dia x 3m length., 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				
	Miscellaneous Metal Works and Materials				
	a) 50mmØ PVC Pipe	250.00	l.m.	266.43	66,607.50
	b.) 100mmØ PVC, Perforated Pipe	1,370.00	l.m.	513.98	704,152.60
	c.) Ladder Rang	70.00	l.m.	116.58	8,160.60
	d.) Dowel Bars	1,230.00	kgs.	89.47	110,048.10
	d1.) 16mmØ x 0.80m Plain Bar = 1,180 kgs				
	d2.) 20mmØ x 0.80m Plain Bar = 50 kgs				
	e.) 100mmØ PVC Drain Pipe	6.00	l.m.	683.93	4,103.58
	f.) 50mmØ G.I. Pipe Railing	137.00	l.m.	1,600.53	219,272.61
	g.) 75mmØ G.I. Pipe Railing	8.00	l.m.	2,115.72	16,925.76
124	Gravel Bedding	450.00	cu.m.	1,542.86	694,287.00
	Sub Total-E				123,942,216.20
	F. OUTLET WORKS (Diversion and Irrigation Conduit)				
125	Excavation and Foundation Preparation				
	a) Common	242.00	cu.m.	120.54	29,170.68
	b) Rock	5,378.00	cu.m.	412.81	2,220,092.18
126	Overhaul (Waste Disposal), AHD = 5.00 kms.	5,620.00	cu.m.	92.95	522,379.00

By: 
RENATO M. LEGASPI, JR.
 Authorized Representative

LEE R. RIÑO
 Liaison Officer
 Green Asia Const. &
 Dev't Corporation

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

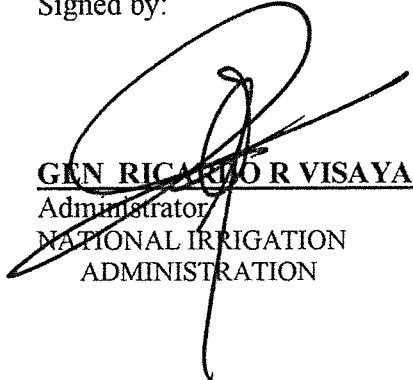
BY: 
GEN. RICARDO R. VISAYA (Ref)
 Administrator

127	Filling and Backfilling				
	a) Impervious Clay	3,161.00	cu.m.	399.34	1,262,313.74
	b) Random Fill	14,200.00	cu.m.	293.97	4,174,374.00
128	Concrete Structures,	244.00	cu.m.	10,880.96	2,654,954.24
	211 kg/cm ² , Class "A"				
129	Reinforcing Steel Bars,	49,095.00	kgs.	73.63	3,614,864.85
	all sizes (Grade 40)				
130	Concrete Joints and Joint Materials				
	a) PVC Waterstop (230mm width)	220.00	l.m.	2,117.20	465,784.00
	b) Joint Sealant	35.00	liters	1,285.36	44,987.60
	c) Joint Filler (Bituminous Type)	120.00	sq.m.	1,439.31	172,717.20
131	Rubble Masonry	377.00	cu.m.	5,282.79	1,991,611.83
132	Miscellaneous Metal				
	Works and Materials				
	a) Ladder Rang	137.00	kgs.	108.44	14,856.28
	b) Trash Rack				
	b1.) (1.00m x 1.20m)	2.00	set	23,640.12	47,280.24
	b2.) (1.00m x 2.00m)	2.00	set	36,575.28	73,150.56
	c) Steel Grating w/				
	Manhole (Steel Frame)				
	c1.) (2.90m x 3.30m)	241.00	kgs.	173.98	41,929.18
	c2.) (3.30m x 3.30m)	285.00	kgs.	175.91	50,134.35
	d) Dowel Bars 20Ø dia	1,325.00	kgs.	89.47	118,547.75
	x 0.80m Plain Bar				
	e) Fabrication, Supply,	17,540.00	L.S.	346.00	6,068,840.00
	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)				
133	Supply, Delivery & Installation				
	of Gate Valve & Butterfly Valves				
	a) Butterfly Valve				
	a.1) 900mm dia. with Gear	1.00	assy	1,622,098.80	1,622,098.80
	Reduction w/ bypass valve				
	b) Gate Valve,				
	b.1) 900mm dia. with Gear	1.00	assy	2,183,514.48	2,183,514.48
	Reduction w/ bypass valve				
	c) Dresser Coupling, 900mØ	1.00	assy	153,318.82	153,318.82
134	Concrete Demolition	44.00	cu.m.	1,463.01	64,372.44
	Sub Total-F				27,591,292.22
	TOTAL				322,832,438.17

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

In the presence of:

Witness:

Signed by:


RENATO M. LEGASPI, JR.
Authorized Representative
GREEN ASIA CONSTRUCTION AND
DEVELOPMENT CORPORATION

In the presence of:

Witness:


MGEN. ROMEO G. GAN (Ret)
Name and Signature

Address: _____

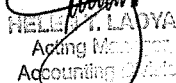
Date: _____


LEE R. RIÑO
Name and Signature

Address: _____

Date: _____

FUNDS AVAILABLE FOR CREDIT AGAINST <u>LPATD-IRRIAN CRIP</u>	
	AMOUNT
<u>501-2015-03-009 LFP</u> <u>CY 2015</u>	<u>150,000,000.00</u>
<u>501-2016-04-009 LFP</u> <u>CY 2016</u>	<u>58,531,302.07</u>


HELEN T. LAUYAN
Acting Manager
Accounting Section

BY: GEN RICARDO R VISAYA (Ret)
Administrator

ACKNOWLEDGEMENT

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

JAN 17 2020

Personally appeared before me this _____ day of _____ 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 RENATO M. LEGASPI, JR., Authorized Representative, Green Asia Construction and Development Corporation, with Valid Identification Tax Identification No. 212-743-815-000 issued by the Bureau of Internal Revenue, on March 12, 2008, 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 seven (7) 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 Ibato-Iraan Earthfill Dam and its Appurtenant Structures under the Small Reservoir Irrigation Project (SRIP), Invitation to Bid No. SRIPD-C-20RW.

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

Witness:

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

Witness:

LEE R. RIÑO
Liaison Officer
Green Asia Const. &
Dev't Corporation

ATTY. MICHAEL C. YABUT
NOTARY PUBLIC

Until December 31, 2021, 2020

PTR No. _____

Issued at _____ 010637

Issued on _____ PAMP

TIN No. _____

GROUND FLOOR, 1ST BLDG, DEL PILAR, CSFP

Doc. No. 462;
Page No. 94;
Book No. XXXX;
Series of 20 18.

By: RENATO M. LEGASPI, JR.
Authorized Representative