

Republika ng Pilipinas
National Irrigation Administration
 (PAMBANSANG PANGASTIWAAN NG PATUBIG)
 Lungsod ng Quezon

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 TIN No. 000-916-415

December 17, 2019

**GREEN ASIA CONSTRUCTION
 AND DEVELOPMENT CORPORATION**

No. 4 Bentley Street, St. Dominic Villa
 San Agustin, City of San Fernando
 Pampanga

SUBJECT : NOTICE OF AWARD
 Construction of Ibato-Iraan Earthfill Dam & its Appurtenant Structures
 (Remaining Works) under the Small Reservoir Irrigation Project
 Invitation to Bid No. SRIPD-C-20RW

Gentlemen:

Please be advised that you are awarded the contract for the above captioned contract works in the total contract amount of **Three Hundred Twenty Two Million Eight Hundred Thirty Two Thousand Four Hundred Thirty Eight and 17/100 Pesos (PhP322,832,438.17)**, broken down as follows:

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	L.S.	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	L.S.	1,024,940.45	1,024,940.45
104	D. DAM AREA Excavation and Foundation preparation a) Common b) Rock	27,960.00 5,760.00	cu.m. cu.m.	120.54 412.81	3,370,298.40 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 b) Random Fill	95,490.00 185,950.00	cu.m. cu.m.	399.34 293.97	38,132,976.60 54,663,721.50

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	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/cm2, 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
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) Checkhole (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	1.00	L.S.	226,231.49	226,231.49
	Standpipe Piezometer				
	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	1.00	L.S.	183,982.58	183,982.58
	Standpipe Piezometer				
	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				

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Metalworks 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/cm ² , 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
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	1.00	L.S.	86,059.82	86,059.82
	Standpipe Piezometer				
	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	1.00	L.S.	58,020.88	58,020.88
	Standpipe Piezometer				
	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				

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	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
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, 211 kg/cm ² , Class "A"	244.00	cu.m.	10,880.96	2,654,954.24
129	Reinforcing Steel Bars, all sizes (Grade 40)	49,095.00	kgs.	73.63	3,614,864.85
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)				

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	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 x 0.80m Plain Bar	1,325.00	kgs.	89.47	118,547.75
	e) 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)	17,540.00	L.S.	346.00	6,068,840.00
133	Supply, Delivery & Installation of Gate Valve & Butterfly Valves				
	a) Butterfly Valve				
	a.1) 900mm dia. with Gear Reduction w/ bypass valve	1.00	assy	1,622,098.80	1,622,098.80
	b) Gate Valve,				
	b.1) 900mm dia. with Gear Reduction w/ bypass valve	1.00	assy	2,183,514.48	2,183,514.48
	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

In this regard, you are requested to submit the following documents within ten (10) calendar days upon receipt hereof to facilitate entering into contract with the National Irrigation Administration in accordance with the terms and conditions of the contract documents:

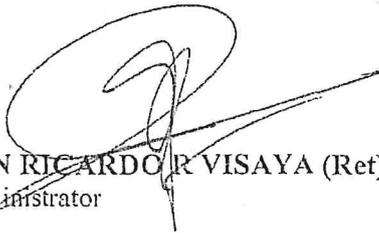
1. Performance Security in any of the following forms;
 - a. Cash or cashier's / manager's check issued by a Universal or Commercial Bank; or - Ten percent (10%) of the total contract price
 - b. Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank; or - Ten percent (10%) of the total contract price
 - c. Surety Bond callable upon demand issued by a surety or insurance company. - Thirty percent (30%) of the total contract price
2. Credit Line Certificate in the amount equal to the average operating expenses of the contract work for two (2) months or ten percent (10%) of the total contract amount issued by a bank or a financing institution acceptable to the NIA to be used exclusively as working capital in the implementation of the Contract Work;
3. Cash Flow by quarter and Payment Schedule;
4. Construction Schedule in the form of PERT/CPM, Bar Chart and S-Curve;
5. Manpower Schedule;

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6. Construction Methods and Procedures;
7. Equipment Utilization Schedule;
8. Construction Safety and Health Program approved by the Department of Labor and Employment; and
9. Contractor's Environment Management Plan.

Please acknowledge receipt and facilitate compliance on our requirements.

Very truly yours,

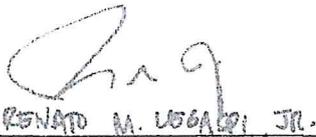


GEN RICARDO R VISAYA (Ret)
Administrator

CONFORME:

GREEN ASIA CONSTRUCTION
AND DEVELOPMENT CORPORATION

By:



RENATO M. UOGAKI, JR.

Name and Signature of Authorized Representative

Date: 12/20/19