

RFP/2020-010/PSU/ DESIRA /DOF

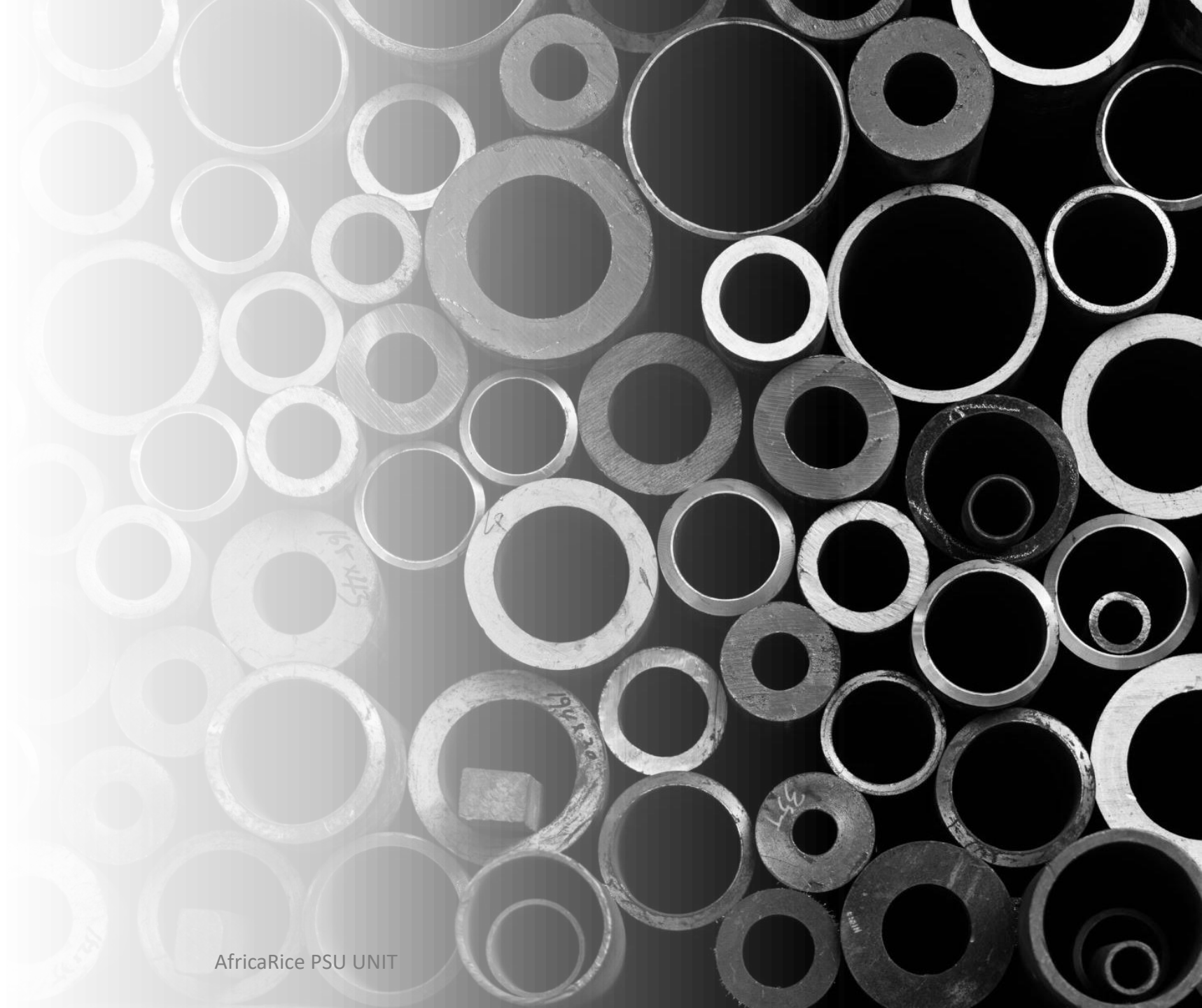


RFQ (Request for quotation)
Materials for Machines
fabrication

- DeSIRA Project Liberia
- Fish Farming and Rice Growing

11/6/2020

AfricaRice PSU UNIT



RFP

Materiels for Machines fabrication

- Machines
 - pellet machines;
 - paddy dryer;
 - smoke kiln;
 - rice mill;
 - thresher;
 - parboiler;
 - feed complex;
 - hammer mill.

Terms

- **Pls indicate on your proforma**
 - Pls quote in CIF value, Liberia Monrovia Port
 - The validity of the offer/ 60 days
 - The warranty of equipment
 - Availability of the stock
 - Delivery time
 - Payment terms
 - **The conformity certificate from the manufacturer,**
 - And Also:
 - Pls provide Legal registration documents for the company
 - Pls provide 23 references for the specific supply
 - Pls submit offer at A.Quotation@cgiar.org
- Deadline submissions 15 November 2020
- Delivery location
 - Dr Inussa Akintayo
 - AfricaRice Country Director
 - Monrovia
 - Office location: CARI, Suakoko
 - **Liberia**
 - Tel: +231880946266/770750547

Specifications

- RFP
Materiels for
Machines
fabrication

Num	Item	Unit	Quantity
1	Pipe		
1.1	Galvanied pipe 20/27	bar	15
1.2	Galvanied pipe 33/42	bar	10
1.3	Galvanied pipe 40/49	bar	4
1.4	Galvanied pipe 66/76	bar	7
1.5	Pipe diam 80/90	bar	2
1.6	Pipe diam 90/102	bar	4
1.7	Pipe 107/114	bar	2
1.8	Stainless steel pipe 50/60	bar	3
1.9	Stainless steel pipe 66/76	bar	2
2	Square pipe		
2.1	Black square pipe 30/30	bar	135
2.2	Black square pipe 50/50	bar	15
2.3	Black square pipe 40/40	bar	8
3	Square bar		
3.1	Square barre 10 mm	bar	15
3.2	Stainles steel Squar barre 10mm	bar	35

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4	Round bar	Unit	Diameter (mm)		Lenght (m)	
4.1	Shaft diam 6 mm	bar	6	.-----	6	25
4.2	Shaft diam 20 mm	bar	20	.-----	3	6
4.3	Shaft diam 25 mm	bar	25	.-----	3	16
4.4	Shaft diam 30 mm	bar	30	.-----	3	8
4.5	Shaft diam 35 mm	bar	35	.-----	3	8
4.6	Shaft diam 40 mm	bar	40	.-----	3	10
4.7	Shaft diam 45 mm	bar	45	.-----	3	8
4.8	Shaft diam 50 mm	bar	50	.-----	3	12
4.9	Shaft diam 100 mm	bar	100	.-----	3	4
4.10	Shaft diam 60 mm	bar	60	.-----	3	4
4.11	Shaft diam 80 mm	bar	80	.-----	3	4
4.12	Steel raw diam 12 mm	bar	12	.-----	12	8
4.13	Steel raw diam 10 mm	bar	10	.-----	12	2
	Steel raw diam 8 mm	bar	8	.-----	12	2
4.14	Stainless round bar diam 10 mm	bar	10		6	12
4.15	Stainless round bar diam 70 mm	bar	70		3	3

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5	Angle bar	Unit	width	thickness	radius	Lenght	
5.1	Black angle bar 20/20	bar	20	3	4	6	15
5.2	Black angle bar 25/25	bar	25	4	4	6	16
5.3	Black angle bar 40/40	bar	40	5	6	6	55
5.4	Black angle bar 50/50	bar	50	7	7	6	120
5.5	Black angle bar 60/60	bar	60	8	8	6	7
5.6	Black angle bar 80/80	bar	80	10	10	6	2
5.7	Galvanized angle bar 40/40	bar	40	6	6	6	15
5.8	Stainless steel angle bar 40/40	bar	40	6	6	6	10
6	Flat bar	Unit	width (mm)	thickness (mm)	Lenght (m)		
6.1	Black flat bar 20/4	bar	20	4	6		12
6.2	Black flat bar 20/6	bar	20	6	6		12
6.3	Black flat bar 30/4	bar	30	4	6		22
6.4	Black flat bar 40/5	bar	40	5	6		26
6.5	Black flat bar 50/5	bar	50	5	6		8
6.6	Stainless Flat bar 30/4	bar	30	4	6		35
6.7	Stainless Flat bar 40/4	bar	40	4	6		5

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7	U bar	Unit	width (mm)	thickness (mm)	Lenght (m)	
7.1	U bar 100	bar	55/100	4.5/7.5	6	40

8	Sheet	Unit	width (mm)	thickness (mm)	Lenght (mm)	
8.1	Black sheet 3 mm thickness	sheet	1000	3	2000	35
8.2	Black sheet 4 mm thickness	sheet	1000	4	2000	45
8.3	Black sheet 10 mm thickness	sheet	1000	10	2000	6
8.4	Black sheet 1,5 mm thickness	sheet	1000	1.5	2000	90
8.5	Black sheet 2 mm thickness	sheet	1000	2	2000	65
8.6	Black sheet 4 mm thickness	sheet	1000	4	2000	4
8.7	Black sheet 6 mm thickness	sheet	1000	6	2000	25
Galvanied sheet 1,5 mm thickness						
8.8	Galvanied sheet 1,5 mm thickness	sheet	1000	1.5	2000	90
8.9	Stainless sheet 1,5 mm thickness	sheet	1000	1.5	2000	10
8.10	Stainless sheet 2 mm thickness	sheet	1000	2	2000	45
8.11	Stainless sheet 4 mm thickness	sheet	1000	4	2000	2

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9	Perforated sheet	Unit	Width (mm)	Thickness (mm)	Lenght (mm)	Diameter hole (mm)	
9.1	Galvanized Perforated sheet diam 2mm; thickness 1.5 mm (R2 T3.5)	sheet	1000	1.5	2000	2	15
9.2	Galvanized Perforated sheet diam 2.5mm; thickness 1.5 mm (R2.5 T3.5)	sheet	1000	1.5	2000	2.5	4
9.3	Galvanized Perforated sheet diam 3mm; thickness 1.5 mm (R3 T4)	sheet	1000	1.5	2000	3	4
9.4	Galvanized Perforated sheet diam 3.5mm; thickness 1.5 mm (R3.5 T4.5)	sheet	1000	1.5	2000	3.5	4
9.5	Galvanized Perforated sheet diam 4mm; thickness 1.5 mm (R4 T5)	sheet	1000	1.5	2000	4	4
9.6	Black Perforated sheet diam 6 mm (R6T8.5)	sheet	1000	1.5	2000	6	5
9.7	Black Perforated sheet diam 8 mm (R8T11)	sheet	1000	1.5	2000	8	6
9.8	Black Perforated sheet diam 10 mm (R10T12.7)	sheet	1000	1.5	2000	10	4
9.9	Stainless steel perforated sheet diam 2mm; thickness 1.5 mm (R2T3.5)	sheet	1000	1.5	2000	2	15

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10	Wire mesh	Unit	Wire diameter (mm)	Wire distance (mm)	
10.1	Galvanized wire-mesh (distance 2 mm)	sheet	0,5-1.	2	8
10.2	Stainless steel wire-mesh (distance 2 mm)	sheet	0,5-1.	2	15
10.2					
10.3	Wire sheet stainless (distance 20 mm, wire diam 2 mm)	sheet	1-2.	20	5
11	Belt	Unit	Type		
11.1	Belt A 45	pc	Trapeizoid		15
11.2	Belt A 42	pc	Trapeizoid		15
11.3	Belt A 57	pc	Trapeizoid		15
11.4	Belt B48	pc	Trapeizoid		30
11.5	Belt B80	pc	Trapeizoid		30
12	Bolt	Unit	Lenght		
12.1	Bolt M6 (spanner 10)	pc	60		400
12.2	Bolt M6 (spanner 10)	pc	100		400
12.3	Bolt M8 (spanner 13)	pc	60		750
12.4	Bolt M8 (spanner 13)	pc	100		750
12.5	Bolt M10 (spanner 17)	pc	60		750
12.6	Bolt M10 (spanner 17)	pc	100		750
12.7	Bolt M12(spanner 19)	pc	60		750
12.8	Bolt M12(spanner 19)	pc	100		750
12.9	Bolt M14 (spanner 22)	pc	60		750
12.10	Bolt M14 (spanner 22)	pc	100		750
12.11	Bolt M 16 (spanner 24)	pc	60		750
12.12	Bolt M 16 (spanner 24)	pc	100		750

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13 Washer	Unit	
Washer for Bolt M6 13.1 (spanner 10)	pc	800
Washer for Bolt M10 13.2 (spanner 17)	pc	1250
Washer for Bolt M12 13.3 (spanner 19)	pc	1250
Washer for Bolt M14 13.4 (spanner 22)	pc	1250
Washer for Bolt M16 13.5 (spanner 24)	pc	1250

14 Engine	Unit	Power (Hp)	Crancshaft speed (tr/mn)	Stater	
14.1 Diesel engine 6-8 Hp	pc	6-8.	2000-2700		30
14.2 Diesel engine 16 Hp	pc	16	2000	yes	6
14.3 Diesel engine 12 Hp	pc	.12-13	2000	yes	15
14.4 Diesel engine 20 Hp	pc	20.	2000	yes	2

15 Bearing	Unit	Pillow block	Shaft diameter (mm)	Two bolt	Cast iron	greasser	
15.1 Bearing P205	pc	yes	25	yes	yes	yes	44
15.2 Bearing P206	pc	yes	30	yes	yes	yes	54
15.3 Bearing P207	pc	yes	35	yes	yes	yes	24
15.4 Bearing P208	pc	yes	40	yes	yes	yes	38

Specifications

16	Conic bearing 205-A	Unit	Type	shaft diameter (mm)	Hight	
16.1	Conic bearing 205-A	pc	30205-A	25	16.25	40
17	Solar pannel	Unit	Power (w)	Corant intensity (A)	Utility	
17.1	Solar pannel	pc	150	100	To run the blower	22
18	Grunding disc	Unit	diameter (mm)	thickness (mm)		
18.1	Grunding disc	pc	230	6-7.		125
19	Cutting disc	Unit	diameter (mm)	thickness (mm)		
19.1	Cutting disc	pc	230	2-3.4;		210
20	Welding rod (ordinary)	Unit	diameter (mm)	For steel		
20.1	Welding rod (ordinary)	pack	2.5	yes		90
21	Stainless welding rod	Unit	diameter (mm)	For stainless steel		
21.1	Stainless welding rod	pack	2.5	yes		25

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22	Saw blade for metal	Unit	widht (mm)	thickness (mm)					
22.1	Saw blade for metal	pc	13	0.6					100
23	Paint green color	Unit	color	pot volum (liter)					
23.1	Paint green color	pot	green	4-5.					70
24	Pipe rubber 20/27 for hot water (3/4")	Unit	diameter internal	diameter external	Flexible				
24.1	Pipe rubber 20/27 for hot water (3/4")	m	20	30	yes				100
25	Blower with converter bo and speed reguator (variator)	Unit		Air intake diameter (mm)	Amper	Tension (V)	Air outler diameter (mm)		
25.1	Blower with converter bo and speed reguator (variator)	pc		100-150	06-10.	12	100-150		30
26	Gear reductor	Unit	Entry power (Hp)	transmission ratio (i)	Shaft position	gear	Entry speed n1	Position output shat	5
26.1	Gear reductor	pc	6-8.	10.	Perpendicular/ Orthogonal	conical	600	Vertical	

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2	Heating resistant	pc	Power (w)	Tension (V)			10
27.1	Heating resistant		1500	220			
28	Thermometer (circular face)	Unit	with screw	graduation	Max graduation		10
28.1	Thermometer (circular face)	pc	yes	°C	150°C		
29	Humidimeter	Unit	Type	Product	Capacity	Moisture accuracy	
29.1	Moisture analyser	pc	Portable	cereals	0-100g	0.005%	4
29.2	Portable digital moisture meter	pc	parrrtable for fast measurment	cereals		0.5	6

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Equipments characteristics

Feed complex with following equipments:

- **3 Hammer mill;**
 - ✓ Diesel engine power: 12-16 cv; engine with starter;
 - ✓ Capacity: 100-200 kg/h;
 - ✓ Spare part for the hammer mill
- **10 Set of screen (or perforated sheet) spare part for maintenance of the hammer mill**
- **3 Feed mixer**
 - ✓ Capacity: 250-400 kg/h;
 - ✓ Diesel engine power: 6-10 cv
 - ✓ Spare part for the mixer
- **3 Pellet machine**
 - ✓ **Type:** for floatable pellet
 - ✓ Diesel engine power: 16-25 cv;
 - ✓ Capacity : 75-100 kg/h;
 - ✓ Pellet length: 1-10 mm;
 - ✓ Heating power: battery 12 v;
 - ✓ Pellet diameter: 2 mm; 4 mm; 6 mm
 - ✓ Generator for electrical part of the pellet machine
 - ✓ Spare part for the pellet machine
- **6 Set of spare part for maintenance of the pellet machine**

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- ❑ Hapa net with following specification

Mesh size	Quantity	color
0,5mm	300m	blue
1mm	300m	blue
5mm	300m	blue
8mm	300m	blue

- ❑ Cage net with the following specification

Mesh size	quantity
8mm(5/16 inch)	300m
9.5mm(3/8 inc)	300

- ❑ Fingerlings Scoop net Quantity 20 pieces