

Work Order

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

23 072 TF

Supplier :	NSB ENGINEERING DESIGN AND FABRICATION	W.O. No. :	GIA-WO-2022-12-0269(TSD)
Address :	309 M.L Quezon St. Lower Bicutan Taguig City	Date :	December 12, 2022
TIN :	165-226-163-000	Mode of Procurement :	PUBLIC BIDDING

Gentlemen:
Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery :	Capiz State University-Dayao Campus, Roxas City, Capiz	Delivery Term :	90CD
Date of Delivery :		Payment Term :	

Stock/ Property No.	Unit	Quantity	Unit Cost	Amount
------------------------	------	----------	-----------	--------

II. TRUCK				
A.	Brand new 10 Wheeler 32 Footer Truck - 32 ft x 8 ft x 8 ft (L x W x H)	1.00	unit	
	Engine Type: Euro (V or better)			
	Power: 200-260KW / 1900-2400 RPM			
	Displacement: 7-11Liters			
	Torque: 1400-1800 Newton-meter			
	Max Gradeability: 28-30%			
	Rated Payload: 16,000-26,000kg			
	Fuel tank Capacity: 320-400L			
	- Includes LTO pre-registration			
	- With vehicle comprehensive insurance for one (1) year			
	- With warranty for two (2) years or 50,000 km whichever comes first			
	Sub-total 1			
II. CUSTOMIZATION OF TRUCK				
A.	Packaging Room - 5.95 sq.m. (See Appendix 1)	1	lot	
	- Framing (includes prep, primer, final coat)			
	- Walls and ceilings: PVDF Coated Aluminum Composite Panel (ACP) / Anti-Microbial Gel-Coated Fiberglass Reinforced Panel (FRP) with polyurethane insulation or approved equivalent			
	- 1 hp window type Inverter ACU (brackets and support) - with 1 year warranty			
	- Flooring: 3mm, SS 304 plate with epoxy coating (or any approved equivalent paint coating)			
	- Consumables and miscellaneous (SS rivet, sealant, etc.)			
B.	Main Body - 17.84 sq.m. (See Appendix 1)	1	lot	
	- Roofing and ceilings: PVDF Coated Aluminum Composite Panel (ACP) / Anti-Microbial Gel-Coated Fiberglass Reinforced Panel (FRP) with polyurethane insulation or approved equivalent			
	- Framing (includes prep, primer, final coat)			
	- Floors: 3mm, SS 304 plate with epoxy coating (or any approved equivalent paint coating), sloping 1 cm per every linear meter of length leading down towards the drainage canal			
	- Supply and installation of Automated Tail Gate Lifter with at least 1500 kg load capacity			
	- Consumables and miscellaneous (SS rivet, sealant, etc.)			
	Sub-total 2			
III. CUSTOMIZATION OF EXPANSION (See Appendices 3.1 to 3.7)				
A.	FLOORING (See Appendix 3.1)	1.00	lot	
	Expansion #1 (E1): 3.66 (L) x 2.44m (H), 76 2mm thickness			
	- Framing (includes prep, primer, final coat)			
	- 4mm, SS 304 plate with epoxy coating (or any approved equivalent paint coating), sloping 1 cm per every linear meter of length leading down towards the drainage canal			
	- ACP / FRP with polyurethane insulation and backer rod or approved equivalent (exterior)			
	- Consumables and miscellaneous (SS rivet, sealant, etc.)			
B.	SIDE WALL (See Appendix 3.3)	1.00	lot	
	Expansion #2 (E2): 3.66m (L) x 2.44m (H), 50.8mm thickness			
	- Framing (includes prep, primer, final coat)			
	- ACP / FRP with polyurethane insulation and backer rod or approved equivalent			
	- Sliding window (Fiber glass) with 1.6m (L) x 0.6m (H) equipped with screen mesh 20 and treated aluminum framing (1 set) (See Appendix 3.7)			
	- Window (casement type) fiberglass or approved equivalent treated aluminum framing 0.6m x 1.0 m (1 set) (See Appendix 3.7)			
	- Consumables and miscellaneous (SS rivet, sealant, etc.)			
Sub total				11,275,000.00

Work Order

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

23. 02 22

Supplier:	NSB ENGINEERING DESIGN AND FABRICATION	W.O. No.:	GIA-WO-2022-12-0269(TSD)
Address:	309 M.L. Quezon St. Lower Bicutan Taguig City	Date:	December 12, 2022
TIN:	165-226-163-000	Mode of Procurement: PUBLIC BIDDING	

Gentlemen:
Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery:	Capiz State University-Dayao Campus, Roxas City, Capiz	Delivery Term: 90CD
Date of Delivery:		Payment Term:

Stock/ Property No.	Unit	Quantity	Unit Cost	Amount
C.	SIDE WALL (See Appendices 3.3 & 3.4) Expansion #3 (E3): 3.65m (L) x 2.44m (H), 50.8mm thickness (Side Wall)			
	- Framing (includes prep, primer, final coat)			
	- ACP / FRP with polyurethane insulation and backer rod or approved equivalent			
	- Sliding window (fiber glass) with 1.6m (L) X 0.6m (H) equipped with screen mesh 20 and treated aluminum framing (2 sets) (See Appendix 3.7)			
	- Consumables and miscellaneous (SS rivet, sealant, etc.)			
		1.00		lot
D.	SIDE WALL (See Appendix 3.4) Expansion #4 (E4): 3.66m (L) x 2.44m (H), 50.8mm thickness			
	- Framing (includes prep, primer, final coat)			
	- ACP / FRP with polyurethane insulation and backer rod or approved equivalent			
	- Sliding window (fiber glass) with 1.6m (L) X 0.6m (H) equipped with screen mesh 20 and treated aluminum framing (1 set) (See Appendix 3.7)			
	- Window (casement type) fiberglass or approved equivalent treated aluminum framing 0.6m x 0.6m (1 set) (See Appendix 3.7)			
	- Window (casement type) fiberglass or approved equivalent treated aluminum framing 0.6m x 1.0m (1 set) (See Appendix 3.7)			
	- Consumables and miscellaneous (SS rivet, sealant, etc.)			
		1.00		lot
E.	FRONT WALL AND BACK WALL (See Appendices 3.5 & 3.6) Expansion #5 (E5): 2.44m (L) x 2.44m (H), 50.8mm thickness			
	- Framing (includes prep, primer, final coat)			
	- ACP / FRP with polyurethane insulation and backer rod or approved equivalent			
	- Consumables and miscellaneous (SS rivet, sealant, etc.)			
		1.00		lot
F.	CEILING/ ROOFING (See Appendix 3.2) Expansion #6 (E6): 3.66m (L) x 1.22m (H), 50.8 mm thickness (Ceiling)			
	- Framing (includes prep, primer, final coat)			
	- ACP / FRP with polyurethane insulation and backer rod or approved equivalent			
	- Consumables and miscellaneous (SS rivet, sealant, etc.)			
		1.00		lot
G.	MECHANISM FOR EXPANSION			
	-Folding mechanism			
	-Hydraulic / Pneumatic systems or any equivalent systems			
	- Others (Pls. specify)			
		1.00		lot
Sub total				11,275,000.00

Work Order

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

23, 002 J

Supplier :	NSB ENGINEERING DESIGN AND FABRICATION	W.O. No. :	GIA-WO-2022-12-0269(TSD)
Address :	309 M.L Quezon St. Lower Bicutan Taguig City	Date :	December 12, 2022
TIN :	165-226-163-000	Mode of Procurement : PUBLIC BIDDING	

Gentlemen:

Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery :	Capiz State University-Dayao Campus, Roxas City, Capiz	Delivery Term : 90CD
Date of Delivery :		Payment Term :

Stock/ Property No.	Unit	Quantity	Unit Cost	Amount
	F. Expansion #6 (E6): 3.56m (L) x 1.22m (H), 50.8 mm thickness (Ceiling)			
	- Framing (includes prep, primer, final coat)			
	- ACP / FRP with polyurethane insulation and backer rod or approved equivalent			
	- Consumables and miscellaneous (SS rivet, sealant, etc.)			
	G. MECHANISM FOR EXPANSION			
	-Folding mechanism		1.00	lot
	-Hydraulic / Pneumatic systems or any equivalent systems			
	H. - Others (Pls. specify)			
	Sub-total 3		1.00	lot
IV.	SUPPLY AND INSTALLATION DOORS, STAIRS AND PLATFORM (See Appendix 2)			
	A. Door #1 : 2.1m (H) x 0.7m (W), 50mm thickness, ACP or approved equivalent, with door knob, door jamb and hinges with aluminum framing (See Appendix 2.1)		2.00	set
	B. Door #2: 2.1m (H) x 0.9m (W), 50mm thickness, ACP or approved equivalent, with door knob, shatter proof glass window, door jamb and hinges with aluminum framing (See Appendix 2.1)		1.00	set
	C. Door #3: 2.1m (H) x 2.0m (W), 50mm thickness, ACP or approved equivalent, two door opening, at the center, with aluminum framing (See Appendix 2.1)		2.00	set
	D. With 0.7m (W) detachable stairs with railings (See Appendix 2.2)		2.00	set
	E. Platform with railings (See Appendix 2.3)		2.00	pc
	F. - Consumables and miscellaneous		1	lot
	Sub-total 4			
V.	SUPPLY AND INSTALLATION OF DETACHABLE FOOD GRADE PLASTIC CURTAINS (See Appendices 4.1 and 4.2)			
	A. Supply and installation of complete set detachable food grade plastic curtains (includes hanging rails and other accessories) Specs: Yellow, 2mm (Thickness) x 200mm (Width)		1.00	lot

Location:	-Plastic Curtain 1 (PC1) : Detachable at Waste Material Exit Window/Chute: 0.6m (H) x 0.6m (W) (1 set)		
	Plastic Curtain (PC2): Detachable at Raw Material Entrance Window/Chute; Dimension: 0.6m (H) x 1.0 m(W) (2 sets)		
	Plastic Curtain (PC3): Detachable at main processing area; Dimension: 3.23m (H) x 1.0 m(W) (1 set)		
	Plastic Curtain (PC4): Magnetic / Detachable to serve as an enclosure for pre-processing area; Dimensions: 2.47m (H) x 1.22m (W) (1 set)		
	- Consumables and miscellaneous		
Sub total			11,275,000.00

Work Order

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Supplier :	NSB ENGINEERING DESIGN AND FABRICATION	W.O. No. :	GIA-WO-2022-12-0269(TSD)
Address :	309 M.L Quezon St. Lower Bicutan Taguig City	Date :	December 12, 2022
TIN :	165-226-163-000	Mode of Procurement :	PUBLIC BIDDING

Gentlemen:
Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery :	Capiz State University-Dayao Campus, Roxas City, Capiz	Delivery Term : 90CD
Date of Delivery :		Payment Term :

Stock/ Property No.	Unit	Quantity	Unit Cost	Amount
VI. ELECTRICAL WORKS (See Appendices 5.1, 5.2, & 5.3)				
A.	1-22W LED Tube light with dustproof, vapor tight, IP65 housing/enclosure		6.00	sets
B.	LED Circular Slim Downlight, 12W		16.00	set
C.	Universal Convenience Outlet, Duplex, 3-prong 15A, 220V		8.00	pcs
D.	1-gang Aircon outlet, 20A		1.00	pc
E.	Twistlock outlet and plug set, 3P+E, 20A		1.00	sets
F.	Twistlock outlet and plug set, 2P+E, 20A		2.00	sets
G.	1-gang switch		1.00	pcs
H.	2-gang switch		4.00	pc
I.	Utility Box		17.00	pcs
J.	Junction Box with cover		56.00	pcs
K.	2 (1m) 2 THWN Wire (Green)		150.00	m
L.	3.5mm ² THWN Wire (Red, Yellow, Blue)		450.00	m
M.	5.5mm ² THWN Wire (Green)		15.00	m
N.	14mm ² THWN Wire (Red, Yellow, Blue)		42.00	m
O.	50mm ² THWN Wire (Red, Yellow, Blue)		45.00	m
P.	50mm ² THWN Wire (Green)		20.00	m
Q.	125mm ² THWN Wire (Red, Yellow, Blue)		60.00	m
R.	20mmØ PVC, 3m per length		45.00	lgts
S.	40mmØ PVC, 3m per length		4.00	lgts
T.	63mmØ PVC, 3m per length		3.00	lgts
U.	20mmØ PVC adapter with locknut and bushing		129.00	pcs
V.	40mmØ PVC adapter with locknut and bushing		4.00	pcs
W.	63mmØ PVC adapter with locknut and bushing		6.00	pcs
X.	90mmØ Liquidtight Flexible Metal Conduit		20.00	m
Y.	90mmØ Liquidtight Flexible Metal Conduit Connector with locknut		2.00	pcs
Z.	125AT, 3-Poles, 230V ECB		1.00	assy.
AA.	PANEL BOARD PP: Main 250AT, 3P + G, 230V MCCB; 12 Branches:			
AB.	1-125AT 3P, 1-60AT 3P, 2-20AT 3P, 1-30AT 3P, 7-20AT 2P, with grounding terminal		1.00	assy.
AC.	Manual Transfer Switch (MTS) 250 Amper, 3 Poles, 230Volts		1.00	assy.
	-Includes consumables and other miscellaneous items such as: Hangers and supports, Flexible Metallic Conduit, Ground Rod, Mica Tube, Labels, Minor Tools and Equipment and electrical tape, etc.			
	Sub-total 6		1.00	lot
VII. SUPPLY AND INSTALLATION OF WATER SUPPLY SYSTEM (See Appendix 6.1)				
A.	25mmØ PPR pipes or approved equivalent (30 m approx. length) Note: Additional on riser approximately 1m from the floor line to stubout)		10.00	pc
B.	- Water Meter (with calibration certificate)		1.00	pc
C.	25mmØ PPR Check Valve		1.00	pc
D.	25mmØ PPR Gate Valve		4.00	pcs
E.	25mmØ PPR Elbow		3.00	pcs
F.	25mmØ PPR Tee		7.00	pcs
G.	PPR Reducer Coupling 25mm x 20mm		6.00	pc
H.	25mmØ PPR Coupling		4.00	pcs
I.	12.5mmØ Flexible Hose (SS)		12.00	m
J.	12.5mmØ Female Adapter (SS)		16.00	pcs
K.	12.5mmØ Male Adapter (SS)		16.00	pcs
L.	12.5mmØ Plug (SS)		4.00	pcs
M.	-Includes consumables and other miscellaneous (brackets etc)		1.00	lot
N.	-Includes test and commissioning			
	Sub-total 7			
VIII. SUPPLY AND INSTALLATION OF DRAINAGE SYSTEM (See Appendices 7.1 & 7.2)				
A.	50mmØ PVC orange pipes or approved equivalent (8m in length) Note: Additional on riser approximately 1m from the floor line to floor drain)		3.00	pcs
B.	50mmØ PVC End Cap orange		1.00	pc
C.	50mmØ PVC Tee orange		5.00	pcs
D.	50mmØ PVC Floor Cleanout		1.00	pcs
E.	Stainless Steel Rectangular Floor Drain 30cm (L) x 10cm (W)		2.00	pcs
F.	50mmØ Hose Clamp		10.00	pcs
G.	50mmØ Flexible Hose (rubber)		3.00	roll
H.	P-Trap		4.00	pcs
I.	Grease Trap		1.00	pc
J.	Includes consumables and other miscellaneous (solvent cement etc)		1.00	lot
	Includes testing and commissioning			

Work Order

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Supplier :	NSB ENGINEERING DESIGN AND FABRICATION	W.O. No. :	GIA-WO-2022-12-0269(TSD)
Address :	309 M.L Quezon St. Lower Bicutan Taguig City	Date :	December 12, 2022
TIN :	165-226-163-000	Mode of Procurement : PUBLIC BIDDING	

Gentlemen:

Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery :	Capiz State University-Dayao Campus, Roxas City, Capiz	Delivery Term : 90CD
Date of Delivery :		Payment Term :

Stock/ Property No.	Unit		Quantity	Unit Cost	Amount
IX. EQUIPMENT BOLTING					
A.		Inclusive of bolting the vacuum fryer on the fix part			
		-Includes consumables and other miscellaneous			1.00 set
		Sub-total 9			1.00 lot
X. FOOTINGS (Appendix 8)					
A.		Adjustable jack stand (truck trailer stabilizer)			44.00 pcs
		- with adjustable screw jack height up 1.20 meters with rubber lining			
		- can stand at least 10 tons of load per expansion side			
		- made of durable steel quality with elastomeric paint coating			
		- Certification for load bearing capacity (need for testing)			
		- Includes consumables and miscellaneous			
		Sub-total 10			
XI. SUPPLY AND INSTALLATION OF GAS LINE (See Appendix 9)					
		-Piping and Accessories:			
A.		25mmØ Seamless B.I. Pipe Schedule			2.00 m
B.		25mmØ Pressure Gauge with Relief Valve			1.00 pc
C.		25mmØ Isolation Valve			1.00 pc
D.		25mmØ Solenoid Valve			1.00 pc
E.		25mmØ Y-Strainer			1.00 pc
F.		3mm x 25mm Bottom Stock Steel Plate			4.00 pc
G.		6mmØ Dyna bolt - to clamp the LPG pipe			2.00 pc
H.		2" Angle Bar, 2.5mm thick - for framing of LPG Tank			4.00 pc
I.		Includes testing and commissioning			1.00 lot
J.		Includes consumables and other miscellaneous items			1.00 lot
		Sub-total 11			
XII. SUPPLY AND INSTALLATION OF EXHAUST AND VENTILATING SYSTEM (See Appendix 10)					
A.		Supply and installation of 16" Heavy Duty, Industrial Exhaust Fan			4.00 pcs
B.		Includes consumables and other miscellaneous items			1.00 lot
		Sub-total 12			
XIII. COVINGS (See Appendix 12)					
A.		Wall joints or corners where walls meet must have a coving with a radius of 25 mm			125.00 m
		- Preferably detachable covings on non fixed walls of the trucks.			
		- Rubber type or Silicone Type gasket covings			
B.		Includes consumables and other miscellaneous items			1.00 lot
Sub total					11,275,000.00

Work Order

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Supplier :	NSB ENGINEERING DESIGN AND FABRICATION		W.O. No. :	GIA-WO-2022-12-0269(TSD)	
Address :	309 M.L Quezon St. Lower Bicutan Taguig City		Date :	December 12, 2022	
TIN :	165-226-163-000		Mode of Procurement : PUBLIC BIDDING		
Gentlemen: Please furnish this Office the following articles subject to the terms and conditions contained herein:					
Place of Delivery :	Capiz State University-Dayao Campus, Roxas City, Capiz		Delivery Term : 90CD		
Date of Delivery :			Payment Term :		
Stock/ Property No.	Unit		Quantity	Unit Cost	Amount
		Sub-total 13			
XIV.	OTHERS				
A.		AS BUILT Plans (Architectural, Mechanical, Electrical, Electronics, Sanitary, etc.)		1.00	LOT
B.		CCTV monitoring system includes 5 units of HD CCTV (IP Camera) with video and surveillance footage up to 1080p/2 Megapixels HD resolution, 2.8mm to 1.2mm Motorized Zoom Lens, 12 DC Power Output, Ceiling or wall mounted) including atleast 24" wall mounted monitor and peripherals and Full HD Flat Screen TV with 8-Channel Network Video Recorder (NVR) (1080p: 1920 x 1080 pixels, 27" Screen) (See Appendix 12)		1.00	lot
C.		Smoke Detector System, battery operated (See Appendix 13)		4.00	PCS
D.		Global Positioning System / Anti-theft tracking device (includes repair and maintenance)		1.00	lot
E.		Portable water storage tank (Collapsible Type) with enclosure and steel pallet (1 cubic meter capacity)		2.00	unit
F.		Pallet truck (See Appendix 14)		1.00	unit
G.		Fire Extinguisher (Type K - Wet Chemical) 10lbs		1.00	pc
H.		Fire Extinguisher (Dry Chemical) 10lbs		1.00	pc
I.		Foldable Stainless Steel Table - Stainless Steel 304 - Dimensions: 800mm x 400mm x 900 mm (LxWxH) - Thickness : 2mm - With bottom shelf - With castor wheels and lock		4.00	PCS
J.		Double Sink / Tub (See Appendix 6.2) - With detachable strainer on both sink - Stainless Steel 304 - Dimensions: 1200mm x 700mm x 1000mm (LxWxH) - Thickness : 1mm - With stainless steel castor wheels with lock		2.00	PCS
K.		Portable Sink with Foot Pedal (See Appendix 6.2) - Sink made with 304 Stainless Steel - Dimension: 500mm x 400mm x 800mm (L x W x H) Includes: 1set Portable Sink with Stand 1 set FITINGS 1pc Faucet 1pc Flexible Hose (For connection of Faucet and Foot Pedal) Detachable Legs 8 inches sink depth Adjustable buffet footing for uneven flooring Others that complete the unit		1.00	pc
		Sub-total 14			
XV.	EQUIPMENT TRANSFER				
A.		Inclusive of hauling services, freight cost and other applicable expenditures to transfer equipment from DOST-ITDI to supplier's site		1.00	lot
		Sub-total 15			
XVI.	DEPLOYMENT TO REGION				
		Freight Cost from port to specified delivery address: Location: Capiz State University- Dayao Campus, Roxas City, Capiz 90 days upon receipt of P.O.			
		Sub-total 16			
XVII.	FUNCTIONAL / PERFORMANCE TEST				
A.		Inclusive of at least one (1) dry run and one (1) wet run of MMPPF truck at: 1) Supplier's Site (before deployment) 2) Regional Site (after deployment)		1.00	lot
		Sub-total 17			
XVIII.	SUPPLY AND INSTALLATION OF EXTERNAL DESIGN				
A.		Glossy vinyl decal stickers/design (or approved equivalent) and its installation -Design to be provided by DOST-ITDI and should reflect in both expanded and unexpanded state of the truck		1.00	lot
		Sub-total 18			
XIX.	WARRANTY AND INSURANCE				
A.		To include insurance of the truck and all equipment parts		1.00	lot
Sub total					11,275,000.00

