

PHILIPPINE NUCLEAR RESEARCH INSTITUTE

Entity Name

PR No.: PR16-06-593

Supplier: ALVTECHNOLOGIES PHILS., INC.

J.O. NO.: **JO16-10-48**

Address: Unit 2308 Medical Plaza Ortigas, San Miguel Avenue,
Ortigas Center, Pasig City

Date: October 07, 2016

TIN :

Mode of Procurement: Public Bidding

Gentlemen:

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

Place of Delivery: PNRI

Delivery Term: FOB

Date of Delivery: 60-90 Days

Payment Term: PO

Stock/ Property No..	Unit	Description	Quantity	Unit Cost	Amount
1	lot	Repair and Maintenance of PNRI Liquid Nitrogen Plant, Repair Includes: 1 Unit PRD15-A11516016TXU Refrigerated Air Dryer, Low/High Side Refrigeration: 1.3MPag 2.2MPag 13 barg 22 barg, Max. Compressed: 1.6MPag, Air Pressure: 1.6barg 232psi, max compressed air in: 65C, Min Ambient temp: 5C, Max Ambient temp: 50C Power Input: 115V 1Ph 60Hz, Current/F.L.A. 3.74A: RLA 3.0A, Refrig. Compressor Oil: ISO VG22 ESTER, Refrigerant: R134A 0.17kg, Protection Class: IP20, 1 Unit Quincy Recip Air Compressor Model BM310ST (USA), Scope of Supply: This Specifications covers a self contained fully pressure lubricated reciprocating simplex piston air compressor package. The package consists of the compressor, a motor, V-belt drive, tank drain and totally enclosed belt guard all mounted on an ASME national board approved air receiver, and shall include suitable piping between the compressor and receiver. It shall be capable of maximum operating pressure of 175 PSIG., Basic Compressor: The Compressor shall be of the single-acting, two-stage pressured lubricated, air- cooled reciprocating piston type, cylinders will be cast iron with deep cooling fins and shall be bolted to the crankcase for ease of maintenance and rebuild. Valve assemblies shall be removable individually without removing the cast iron Head and inlet or discharge piping. The Compressor shall have lapped disc type valves for continuous service., The Two piece connecting rod with replaceable inserts shall have passages for positive oil distribution to the piston pins. Low pressure pistons will be aluminum with three automotive type compression rings and one automotive type oil ring. The High pressure pistons will be cast iron with three automotive type compression rings and one automotive type oil ring. Connecting rod inserts shall be steel backed babbitt lined automotive type and crankshaft shall	1	579,500.00	579,500.00

(Total Amount in Words): **FIVE HUNDRED SEVENTY NINE THOUSAND FIVE HUNDRED PESOS ONLY**

In case of failure to make the full delivery within the time specified above, a penalty of one-tenth(1/10) of one percent for every day of delay shall be imposed.

Conforme:

Very truly yours,

ALVTECHNOLOGIES PHILS., INC.

Signature over Printed Name of Supplier

DR. CARLOS PRIMO C. DAVID

Signature over Printed Name of Authorized Official

Officer-in-Charge

(Date)

Designation

Funds Cluster: **101**

ORS/BURS No.:

Funds Available:

Date of the ORS/BURS:

Amount: P 579,500.00

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have integral counterweights and rifle drilled for pressure lubrication to ensure positive oil distribution. Adjustable anti-friction tapered roller bearing shall be mounted on each end of the crankshaft to take both radial and thrust loads. The Fan type compressor flywheel shall be dynamically balanced. An integral finned intercooler shall be located in the direct blast of air from the flywheel. Compressors shall have a crankshaft driven oil pump with oil filter and gauge. Low oil pressure protection shall be a standard feature of the compressor, as well as automatic loadless starting to allow oil pressure to build before the air compressor loads. A 10 micron inlet filter with a metal housing shall be standard. DRIVE MOTOR: The compressor package shall be driven by a nominal 1750 electric motor suitable for continuous operation. Three phase motors shall be EISA rated. The motor shall e NEMA "T" Frame, squirrel cage induction type with an open-drip proof enclosure and shall be rigidly bolted to the base plate assembly for simple and reliable manual belt adjustment. The Service Factor on the standard motor will be a minimum of 1.15. COMPRESSOR Lubricant: The Quin-Cip lubricant supplied in this compressor shall be a mineral based non-detergent petroleum produc specially designed for compressor use. The lubricant shall contain no chemical substances that would require it to be treated as hazardous according to the appropriate laws in effect at the time of sale. Used lubricant shall be suitable for recycling along with other waste petroleum oil. COMPRESSOR Controls: Automatic starting and stopping control are accomplished by means of pressure device, used when air demand is less frequent. Loadless starting and low oil pressure protection shall be included in this control system. OTHER Requirements: Refrigerated air Dryer and Air Compressor must be installed and tested in the existing

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Liquid Nitrogen Plant. Compatibility of connectons to the
LNP system must be ensured also it includes after sales
and service of the unit

579,500.00

***** nothing follows *****

Less: 0% Discount 0.00

Net of Discount 579,500.00

Add: Delivery Charge 0.00

VATable Amount 579,500.00

Less: 5% of Withholding of Final VAT 25,870.54

Less: 2% of Withholding of Income Tax 10,348.21

TOTAL : NET AMOUNT ==>> 543,281.25

LESS 5% 28,975.00 /

NET AMOUNT : 514,306.25

Warranty:

Subject to warranty security equivalent to value specified in RA9184, Sec-62.2.

The Warranty shall be returned only after the lapse of the said warranty period.

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ALVTECHNOLOGIES PHILS., INC.

Signature over Printed Name of Supplier

SOLEDAD S. CASTAÑEDA, Ph.D.

Signature over Printed Name of Authorized Official

Officer-in-Charge

Designation

(Date)

Funds Cluster: **101**

Funds Available: **579,500.00**

ORS/BURS No.: **16-10-925**

Date of the ORS/BURS: **10/7/16**

Amount: P

579,500.00