

State of West Virginia Department of Administration **Purchasing Division** 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

Solicitation

NUMBER 7014EC03

PAGE

ADDRESS CORRESPONDENCE TO ATTENTION OF: BUYER 33 304-558-2306

DIVISION OF HIGHWAYS EQUIPMENT DIVISION ROUTE 33 BRUSHY FORK ROAD BUCKHANNON, WV 26201

304-472-1750

ADDRESS CHANGES TO BE NOTED ABOVE

RFQ COPY TYPE NAME/ADDRESS HERE

ROPE, INC. P.O. BOX99

FALLING ROCK, WV 25079

DATE PRINTED 11/07/2013

- MODEM

12/11/2013

BID OPENING DATE: BID OPENING TIME 1:30PM LINE QUANTITY UOP ITEM NUMBER UNIT.PRICE AMOUNT 0001 EA 025-50 PROVIDE/AIR COMPRESSOR/PORTABLE/ELECTRIC REQUEST FOR QUOTATION (PPEN-END CONTRACT) THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF HIGHWAYS, IS SOLICITING \$IDS FOR AN PEN-END CONTRACT TO PROVIDE ELECTRIC PORTABLE AIR COMPRESSOR 185 C.F.M PER THE ATTACHED SPECIFICATIONS. THIS IS THE END OF REQ 7014EC03 ***** TOTAL: 12/11/13 01:05:58PM West Virginia Purchasing Division

ADDENDUM ACKNOWLEDGEMENT FORM SOLICITATION NO.: 7014EC03

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

	1				
[V]	Addendum No. 1	[]	Addendum No. 6
[V	Addendum No. 2	[]	Addendum No. 7
[]	Addendum No. 3	[]	Addendum No. 8
]	J	Addendum No. 4	[]	Addendum No. 9
]	1	Addendum No. 5	[]	Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Company

Authorized Signature

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing. Revised 6/8/2012

ROPELINC.

REQUEST FOR QUOTATION RFQ 7014EC03 612 CLASS AIR COMPRESSOR, PORTABLE, ELECTRIC 185 C.F.M.

SPECIFICATIONS

- 1. PURPOSE AND SCOPE: The West Virginia Purchasing Division is soliciting bids On behalf of the West Virginia Division of Highways, Department of Transportation to establish an open-end contract for Air Compressor, Portable, Electric, 185 C.F.M.
- 2. DEFINITIONS: The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.
 - 2.1 "Contract Item" or "Contract Items" means the list of items identified in Section 3, Subsection 1 below.
 - 2.2 "Pricing Pages" means the schedule of prices, estimated order quantity, and totals attached hereto as Exhibit A and used to evaluate the RFQ.
 - 2.3 "RFQ" means the official request for quotation published by the Purchasing Division and identified as 7014EC03.
 - 2.4 "ASME" means the American Society of Mechanical Engineers.
 - 2.5 "PSIG" means pounds per square inch gauge.
 - 2.6 "CFM" means cubic foot per minute.
 - 2.7 "BHP" means brake horse power.
 - 2.8 "WVDOH" means West Virginia Division of Highways.
 - 2.9 "RPM" means Revolutions per minute.

3. GENERAL REQUIREMENTS:

- 3.1 Contract Items and Mandatory Requirements: Vendor shall provide Agency with the Contract Items listed below on an open-end and continuing basis. Contract Items must meet or exceed the mandatory requirements as shown below.
 - 3.1.1 Compressor, Air, Portable, Electric, 185 C.F.M.

3.1.1.1 General – Portable, electric air compressor general mandatory requirements must:

ADDN # Z

- 3.1.1.1.1 Certify that unit offered will comply with Occupational Safety and Health Act of 1970 and subsequent amendments that are in effect at time the unit is manufactured.
- **3.1.1.2 Compressor** The following are mandatory requirements related to the compressor.
 - 3.1.1.2.1 Compressor shall be single stage rotary screw type. 129
 - 3.1.1.2.2 Shall have self contained, fully enclosed heavy duty $\sqrt{25}$ portable air compressor.
 - 3.1.1.2.3 Shall have free air capacity 185 CFM. $\sqrt{\xi}$
- **3.1.1.3** Air Receiver-The following are mandatory requirements related to the air receiver.
 - 3.1.1.3.1 Air Receiver shall be ASME code construction and have a working pressure of 100 PSIG, minimum.
 - 3.1.1.3.2 Air receiver capacity 1.06 cubic feet minimum with safety valve and two (2) ¾ inch service valves, universal type.
 - 3.1.1.3.3 Discharge line shall be fitted with an automatic discharge moisture trap. Size and capacity shall be determined by manufacturer for compressor rating and located between air receiver and service valve.
 - 3.1.1.3.4 Shall have two (2) discharge line lubricators one (1) 725 quart capacity each, to each outlet, fitted and easily accessible.

 ADD# Z
- 3.1.1.4 Engine The following are mandatory requirements related to the engine. ADDU # Z TIER W
 - 3.1.1.4.1 Engine shall be diesel powered, water cooled. DEUTZ DZ.9 L4
 - 3.1.1.4.2 Unit shall have a minimum of 49 BHP at a continuous rated speed of 2300 RPM minimum. 49 HPQ 2600 RPM

- 3.1.1.4.3 Shall have rain cap to protect engine and muffler.

 ADDN #2 TURNED OUT EXHAUST
- 3.1.1.5 Fuel Tank The following are mandatory requirements related to the Fuel tank.
 - 3.1.1.5.1 The fuel tank shall have a capacity 20 US gallon minimum.
- 3.1.1.6 Cooling System The following are mandatory items related to the cooling system.
 - 3.1.1.6.1 Cooling system shall be of sufficient to allow engine and compressor to operate at rated air delivery and pressure continuously.
 - 3.1.1.6.2 Engine coolant shall be rated at -32 degrees F. YES ADDN#Z

 Ambient oferation— -20° to + 125° Some units only +5 to + 135°

 3.1.1.6.3 The solar panel generator array must recharge the battery
 bank at a rate of 2.5 hours sun to one (1) 24 hour period of usage. DELETE PEN ADDN#Z
- 3.1.1.7 Instrument Panel/Controls The Following are mandatory items to be included in the units the instrument panel.
 - 3.1.1.7.1 Tachometer, engine RPM. 429
 - 3.1.1.7.2 Ammeter or voltmeter. YES OR CHARGELIGHT ADDN # Z
 - 3.1.1.7.3 Engine temperature gauge. YES
 - 3.1.1.7.4 Engine oil pressure gauge. 125
 - 3.1.1.7.5 Discharge air pressure gauge. 15
 - 3.1.1.7.6 Fuel gauge. 729
 - 3.1.1.7.7 Hour Meter 125
 - 3.1.1.7.8 Start and stop controls shall be located on control panel. YES

3.1.1.7.	Operation, maintenance and instruction decals shall be located in a conspicuous place near controls.	485
3.1.1.7.	10 Controls must be 0-100 percent demand type, controlling engine speed and intake of air compressor.	425
3.1.1.8 Trailer	- The following are mandatory items related to the trailer	: .
3.1.1.8.1	Compressor shall be mounted on a two (2) wheeled type towing trailer.	×25
3.1.1.8.2	Engine and compressor shall be frame mounted in a manner to minimize vibration.	125
3.1.1.8.3	Suspension shall be of sufficient strength and handling ounit at a towing speed of 55 MPH.	of YES
3.1.1.8.4	Shall have retractable, swivel type third wheel. 129 ALSO INCLUDES CRANKUP JACKSTAN	D
3.1.1.8.5	Tires shall be P205/75R15 load range C, highway tread. Must have wheel drop center 7 inches wide.	YES-PER SPEC. ADDN+Z
3.1.1.8.6	Hub shall be equipped with trailer wheel bearing protector (bearing must be Buddy Model 1980 or equal)	125
3.1.1.8.7	Shall have drawbar with pintle eye and safety chain.	425
3.1.1.8.8	Must have stop lights, tail lights, directional indicators, (LED type) license plate light and license plate bracket.	425
3.1.1.8.9	Shall have Cole Hersee No. 12081 (or approved equal) male plug for towing vehicle.	485

3.1.1.9 Lubrication – The following are mandatory items related to lubrication of air compressor.

3.1.1.9.1 Must have oil flooded or pressure type to provide sealing, lubrication, and cooling of air pump.

3

REQUEST FOR QUOTATION RFQ 7014EC03 612 CLASS AIR COMPRESSOR, PORTABLE, ELECTRIC 185 C.F.M.

- 3.1.1.10 Oil Filter The following are mandatory requirements related to the oil filter.
 - 3.1.1.10.1 Must have a oil filter replaceable element or spin-on 185 flow type.
- 3.1.1.11 Air Intake -The following are mandatory requirements related to the air intake.
 - 3.1.1.11.1 Shall have air intake filter, dry type with maintenance 125 signal.
- 3.1.1.12 Bearings The following are mandatory requirements related to the bearings.
 - 3.1.1.12.1 Bearings must be anti-friction type, heaviest duty offered.
- 3.1.1.13 Electrical System The following are mandatory requirements related to the electrical system.
 - 3.1.1.13.1 Must have a twelve (12) volt electrical system. heaviest duty system and batteries offered.
- 3.1.1.14 Safety Devices The following are mandatory requirements related to safety devices.
 - 3.1.1.14.1 Shall have automatic blow-down valve.
 - 3.1.1.14.2 Engine shutdown devices shall be activated by high discharge air temperature, low engine oil pressure, and high engine temperature.
 - 3.1.1.14.3 Shall have excess air flow safety valve and a minimum pressure valve.
- 3.1.1.15 Accessories The following are mandatory requirements related to accessories.
 - 3.1.1.15.1 Shall have service drain valve for air reservoir.
 - 3.1.1.15.2 Shall have manufacturers standard vandalism yes

- 3.1.1.15.3 Must have lockable tool boxes. YES
- 3.1.1.15.4 Must have (1) set of replacement filters for compressor YES air and lube oil and engine air, fuel and lube oil, included with delivery of each unit.

 ALSO INCLUDED IS ONE UCH AIR OIL SEPARATOR
- 3.1.1.15.5 Must have lifting bail, single point. $\sqrt{\xi}$
- 3.1.1.15.6 Must have twin hose reels capable of holding 50 foot x 1 3/4 Hose inch outside diameter (O.D.) hose. (Hose supplied by PER ADDITED
- 3.1.1.16 Advertising The following are mandatory items related to advertising.
 - 3.1.1.16.1 Only one manufacturer's name decal, which must include the model number, may appear on the exterior of the unit. Logos created through the stamping or casting process of manufacture are also acceptable. No logos will interfere with the Divisions logo striping and decal.

125

ADDN#Z 3.1.1.17 PAINT

3.1.1.7.1 MFG, STD. PAINT - YES AWARD: ORNOE TO P BLACKBOTTOM

4. CONTRACT AWARD:

- 4.1 Contract Award: The Contract is intended to provide Agencies with a purchase price on all Contract Items. The Contract shall be awarded to the Vendor that provides the Contract Items meeting the required specifications for the lowest overall total cost as shown on the Pricing Pages.
- 4.2 Pricing Pages: Vendor should complete the Pricing Pages (Exhibit A) by completing the Year, Make, and Model, and inserting quoted price. Vendor should complete the Pricing Pages in their entirety as failure to do so may result in Vendor's bids being disqualified.

The Pricing Page contains a list of the Contract Items and estimated purchase volume. The estimated purchase volume for each item represents the approximate volume of anticipated purchases only. No future use of the contract or any individual item is guaranteed or implied.

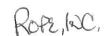
7. MISCELLANEOUS:

- 7.1 No Substitutions: Vendor shall supply only Contract Items submitted in response to the RFQ unless a contract modification is approved in accordance with the provisions contained in this Contract.
- 7.2 Exception to Non-Mandatory Specifications: Exception to a non-mandatory specification may be made by the bidder, providing the exception is not available from the manufacturer. Any exception must be indicated on a separate attachment and labeled as "Exceptions to Specifications" and supported by documentation from the manufacturer. The state reserves the right to waive minor irregularities in bids or specifications in accordance with §148-1-4(f) of the WV Legislative Rules and Regulations.
- 7.3 Reports: Vendor shall provide quarterly reports and annual summaries to the Agency showing the Agency's items purchased, quantities of items purchased, and total dollar value of the items purchased. Vendor shall also provide reports, upon request, showing the items purchased during the term of this Contract, the quantity purchased for each of those items, and the total value of purchases for each of those items. Failure to supply such reports may be grounds for cancellation of this Contract.
- 7.4 Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: BENSAMIN J (JOE) HOOVER
Telephone Number: 304-548-6701
Fax Number: 304-548-7186
Email Address: joe@ropeincorporated.com

7.5 Operating and Service Manuals and Parts Lists: An operator's manual must be included with each unit upon delivery. A "line sheet" (if applicable) and the "Equipment Preventative Maintenance Questionnaire", (Exhibit "B") must be with pilot unit upon delivery. Attn Marcia Lee. There must be 12 service/shop/maintenance manuals and 14 parts manuals; CD-ROM is preferred in lieu of parts manuals. Manuals shall be delivered upon completion of delivery of total units. Failure to do so will delay payment.

425



7.6 Training: Manufacturers and/or dealers will be required to stage a thorough seminar on the subjects of Preventative Maintenance, Operator, and Mechanic Training. In order to keep operators and mechanics updated, the successful vendor shall conduct training sessions covering the operation, maintenance, trouble shooting with each purchase order against this open-end contract. Manufacturers and/or dealers shall be required to furnish the Training Academy with one (1) Operator's Manual to be shipped direct to

YES

WVDOH

Training Academy
P.O. Box 610
Buckhannon, West Virginia 26201

prior to delivery of the pilot unit. Training seminar to be held at the WVDOT, Equipment Division, Buckhannon, WV.

- 7.7 Preventative Maintenance & Operator Procedures: Manufacturers and/or dealers will be required to submit to the Equipment Division, in addition to the operating and service manuals, booklets and pamphlets explaining the Preventative Maintenance and Operator Procedures to be used by the operators of this equipment, and must include such things as daily prestart inspection procedure, service schedule, and routine maintenance required, safety precautions, etc. The successful vendor shall furnish all training aids; i.e. videos, projectors as required in conducting the training.
- 7.8 Warranty and Service Policy: The unit must be accompanied upon delivery by the unit's manufacturers executed warranty and service policy.
- 7.9 Unspecified Accessories & Features: All parts, equipment, accessories, material, design and performance characteristics not specified herein, but which are necessary to provide a complete unit, must be furnished with each unit and required to conform to strength, quality of material, and quality of workmanship to those which are advertised and provided to the market in general by the unit industry. All parts and accessories advertised and regularly supplied as standard shall be included, except those which would represent duplication of these specified and except those which, by specification, are not to be furnished. All standard safety features, required by Federal and State Law, shall be included.

425

REVISION 7/23/13

Cost Sheet

RFQ 7014EC03

Item Number	Estimated Quantity	Unit of Measure	Description	Unit Price	Total
1	12		One complete unit: Air Compressor, portable, electric, 185 C.F.M.	\$ 22,974.95	\$ 275,699.40

Vendor should also supply the year, make, and model of the following:

Air Compressor, Portable, Electric, 185 C.F.M. <u>SULLIVAN-PALATEK 2014</u> MODEL D185PDZ WHICH INCLUDES A DEUTZ WATER COOLED DIESEL ENGINE MODEL D2.9 L4 TIER IN NOTE - THIS UNIT HAS AN AMBIENT OPERATING RANGE FROM -20°F TO +125°F SOME OTHER UNITS AMBIENT OPERATING RANGE IS FROM +5°FT + 13°F

SOLICITATION NUMBER: 7014EC03 Addendum Number: 1

The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

l]	Modify bid opening date and time
1	I	Modify specifications of product or service being sought
1	1	Attachment of vendor questions and responses
1	l	Attachment of pre-bid sign-in sheet
[🗸	1	Correction of error

Description of Modification to Solicitation:

Other

Applicable Addendum Category:

To modify the technical question deadline to November 27, 2013 at 5:00 PM

To remove the must accept purchasing card requirment

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

- 1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
- 2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ROPE, IDC.

SOLICITATION NUMBER: 7014EC03 Addendum Number: 2

The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

l		Modify bid opening date and time
[I	Modify specifications of product or service being sought
[🗸	/	Attachment of vendor questions and responses
[🗸	/	Attachment of pre-bid sign-in sheet
[I	Correction of error
ſ	J	Other

Description of Modification to Solicitation:

To provide the answers to vendor technical questions To provide a copy of the pre-bid meeting sign-in sheet

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

- 1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
- 2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ADDENDUM # 2 FOR PRE-BID

7014EC03

AIR COMPRESSOR, PORTABLE, ELECTRIC 185 C.F.M.

The original language in contract will be listed first with question and answer to follow below.

1. 3.1.1. Compressor, Air, Portable, Electric, 185 C.F.M.

Question # 1: Will you change definition of this?

Answer: Yes, we will change to read: 3.1.1. Compressor, Air, Portable 185 C.F.M.

 3.1.1.3.3 Discharge line shall be fitted with an automatic discharge moisture trap. Size and capacity shall be determined by manufacturer for compressor rating and located between air receiver and service valve.

Question: Which kind do you want? A metal bowl or a polycarbonate bowl with metal guard?:

Answer: You need to bid both bowls CAN ONLY FURNISH METAL BOWL

 3.1.1.3.4 Shall have two (2) discharge line lubricators – one (1) quart capacity each, to each outlet, fitted and easily accessible.

Question: What type of bowl do you want? Metal bowl or polycarbonate with metal guard?

Answer: You need to bid both bowls CAN ONLY FURNISH METAL BOWL

4. 3.1.1.4.

Question: Is this to be a Tier 4 engine?

Answer: Yes, this will be added to read: 3.1.1.4.4 Shall have Tier 4 Engine

DEUTZ WATER COOLED Dag L4

SXHAUST PIPE TURNED OUT

5. 3.1.1.4.3 Shall have rain cap to protect engine and muffler.

Question # 1: Our exhaust pipe/muffler has a turn out position so it doesn't face wind during tow. Will this be acceptable?

Answer: Yes

5

Question # 2: Our standard muffler has holes for water drain. We could add an exhaust cap, but it would be noisy and redundant. Will you accept our standard?

Answer: This is acceptable.

NIA ON SURLIVAN PALATER

6. 3.1.1.6.2 Engine coolant shall be rated at -32 degrees F.

Question: Will you accept -20 degrees F.?

Answer: Yes SULLIVAN PALATER COOLANT -32°F
NOTE OPERATING ABIENT TEMPERATURE 15 -20° to +125°F
Some Competitions Operating Temperature 15 ONLY +5° TO + 135°F

7. 3.1.1.6.3 The solar panel generator array must recharge the battery bank at a rate of 2.5 hours sun to one (1) 24 hour period of usage.

Answer: This was inadvertently put in by mistake. We will delete 3.1.1.6.3

8. 3.1.1.7.2 Ammeter or voltmeter.

Question: With the new Tier IV engine, the gauge package includes a charge light rather than an ammeter or voltmeter. Will you change this?

Success PALATER WILL OFFER

Answer: Yes, we will change to read 3.1.1.7.2 Charge Light.

EITHER. THEY ARE STILL WORKING

9. 3.1.1.8.5 Tires shall be P205/75R15 load range C, highway tread. Must have wheel drop center 7 inches wide.

Question: Ours is P215/75R14 Load Range C, Will this be acceptable?

Answer: Yes this is acceptable

SULWAN PALATER 15 PROS/75R15

10. 3.1.1.15.6 Must have twin hose reels capable of holding 50 foot x 1 inch outside diameter (O.D.) hose. (Hose supplied by the WV Division of Highways)

Question: Is this to be manual or self retracting? Check inside diameter of Hose, should be % inch diameter?

SULLIVAN PALATER WILL BE MANUAL

Answer: We will change to read: 3.1.1.15.6 Must have, manual twin hose reels capable of holding 50 foot $x \frac{4}{7}$ inside diameter (I.D.) hose. (Hose supplied by the WV Division of Highways).

11. Question: Is there a particular paint color?

Answer: We will add Section 3.1.1.17 to read as: 3.1.1.17 Paint – The following are mandatory items related to the paint color.

We will also add 3.1.1.17.1 to read as: 3.1.1.17.1 Manufacturers standard paint color.

SULLIVAN PALATER WILL BE MFG. STANDAND ONNGE W/ BLACK BOTTOM

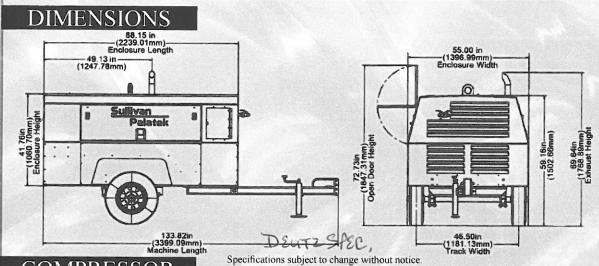
12. 6.1 Delivery Time: Vendor shall deliver standard orders within 90 working days after orders are received.

Question: Can this be changed to 120?

Answer: Yes, this will be changed to read as: Vendor shall deliver standard orders within 120 working days after orders are received.

ROPE, LAC.

TECHNICAL DATA



COMPRESSOR

D185PJD

D185PCA

Туре	Single Stage, oil flooded rotary screw	Single Stage, oil flooded rotary screw
Ambient Oper. Temp. Range	-20° to +125°F (-29° to +52°C)	-20° to +125°F (-29° to +52°C)
Oil Capacity	5.5 gal. (21 L)	5.5 gal. (21 L)
Total Receiver Volume	1.7 ft. ³ (48 L)	1.7 ft. ³ (48 L)
Air Service Connections	Two 3/4" MNPT	Two 3/4" MNPT
Type Cooling System	Oil to Air	Oil to Air
Type Air Intake System	Two Stage Dry	Two Stage Dry
Type of Control	0-100% Demand	0-100% Demand
Tire Size	ST 205/75D15 Hwy Tubeless	ST 205/75D15 Hwy Tubeless
Rated Delivery	185 cfm (5.2 m ³/min)	185 cfm (5.2 m ³ /min)
Rated Operating Pressure	100 psig (6.9 Bar)	100 psig (6.9 Bar)
Operating Pressure Range	70-125 psig (4.9-8.6 Bar)	70-125 psig (4.9-8.6 Bar)
Estimated Weight, Serviced	2340 lbs	2385 lbs

ENGINE

DENTZ SPEC.

D185PJD

D185PCA

Туре	Diesel	Diesel
Make	JOHN DEERE	CATERPILLAR
Model	4024TF281 (TIER IV INTERIM)	C2.2T (TIER IV INTERIM)
Number of Cylinders	4	4
Bore and Stroke	3.39" x 4.13" (86 x 105mm)	3.3" X 3.9" (84 X 100MM)
Displacement	149 in ³ (2.4 L)	135 in ³ (2.2 L)
Total Oil Capacity	8.5 qts (8 L)	11.2 qts. (10.6 L)
Cooling System Capacity	14 qts (13.2 L)	14 qts. (13.2 L)
Battery Rating	12 Volts	12 Volts
CCA@0°F	800 Amps	800 Amps
Idle Speed	1650 RPM	1650 RPM
Fuel Tank Capacity	29 gal (109.8 L)	29 gal. (109.8 L)
Horsepower @ rated RPM	49 HP	49 HP
Full Load Speed	2650 RPM	2650 RPM



1201 W. US Highway 20 Michigan City, IN 46360

www.sullivanpalatek.com Email: info@palatek.com

Tel: 219-874-2497 Tel: 800-438-6203

MEMBER





ROPEINC.

Sullivan Palatek_®

D185 Series Portable Compressors



Sullivan-Palatek Portable Features:

- All 185 Compressors have Galvaneal Enclosures that protect against chipping and rust.
- Glow plug engines provide easy starting in all climates.
- The D185P model has galvanized wheel wells and tool boxes for extra rust protection.
- Pintle eye or 2" ball hitch is available, adjustable height jackstand and safety chains are standard on all models.
- Two-stage air filters with dry type elements provide separate filtration for engine and compressor.

"The Ultimate Performance Rotary Screw Air Compressor"

Sullivan Palatek



The Sullivan-Palatek Compressor

The advantages of owning a Sullivan-Palatek Rotary Screw Air Compressor.

Sullivan-Palatek provides low maintenance. high performance and the most reliable air ends in the industry.

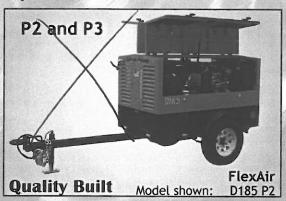
Our design features our advanced profile 108mm rotary screws for high efficiency.

Dedicated to Quality &



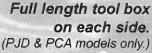
KEEP IT SIMPLE... KEEP IT CLEAN... MAKE IT SOLID ... MAKE IT Sullivan!

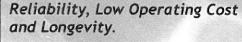
Sullivan-Palatek manufactures air ends in our Michigan City plant to ensure complete control over assembly, quality and testing of all components. Oversized tapered roller bearings and other design features add to the quality of every Sullivan-Palatek machine. We offer a Three Year Unlimited Hour Air End Warranty on all of our machines.



on each side.







- Rear panel detaches for external cleaning of coolers. All units have side by side coolers.
- The Standard D185P model has a 29 gallon steel fuel tank, galvanized wheel wells and tool boxes, heavy-duty 15" "ST" rated tires for stability and ease of towing.
- The P2 & P3 models have 20 gallon plastic fuel tanks, and tires with 13 inch wheels.
- P2 Model has a containment frame, fork pockets and external drains.
- Drawbars are made of strong tubular steel with choice of 3" pintle, or 2" ball hitch.
- Adjustable, swivel screwjack.
- Standard safety chains.



Committed to Support

Model D185P JDICA DEUTZ



Alternator warning light
Hour meter
Ignition on/off switch
Fuel gauge
Discharge air pressure gauge
Engine water temp gauge*
Engine oil pressure gauge*
Starting aid light
Start run selector switch
Start bypass button
Start switch

*CAT has warning light only.

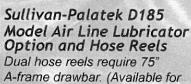
Pneumatic Tools



Available for all Portable Air Compressors

Examples:

- · Chippers
- Scalers
- Breakers
- Drills
- Rivet Busters
- Air Lance



PJD & PCA models and higher.)

Weather-All Portable Compressor Fluid The standard factory fill in all our portable compressors.

Used for all weather

Anti-wear & anti-rust

Anti-foaming additives

Quick water separation

Excellent viscosity index

conditions

additives



Model D185 P2 P3

Alternator warning light
Hour meter
Ignition on/off switch
Discharge air pressure gauge
Starting aid light
Load unload selector switch
Bypass button
Start switch



P2 FlexAir Machine is built with removable drawbar and running gear so it can easily be mounted on a truck bed or any other utility type vehicle installation.

It has fork lift pockets for lifting and floor mounting, a full containment frame and external drains for all fluids. The FlexAir can be a cost effective replacement for a dedicated purpose built Utility model compressor.

SmartEquip

SmartEquip
To place electronic parts
orders, or direct access
to technical information,
visit Sullivan-Palatek's
home page at:

www.sullivanpalatek.com and click on SmartEquip



			SPE	CIFICATIONS				SHIPPING
MODEL	PSI	CFM	ENGINE MANUFACTURER	ENGINE HORSE- POWER	LENGTH (inches)	HEIGHT (inches)	WIDTH (inches)	WEIGHT (pounds)
D185 PJD	100	185	JOHN DEERE	49	138.25	63.5	55	2300
D185 PCA	100	185	CATERPILLAR	49	138.25	63.5	55	2230
D185 P2JD	100	185	JOHN DEERE	49	121.81	60.39	55	2000
D185 P2CA	100	185	CATERPILLAR	49	121.81	60.39	55	1910
D185 P3JD	100	185	JOHN DEERE	49	121.92	61.87	55	1980
D185 P3CA	100	185	CATERPILLAR	49	121.92	61.87	55	1890
CEPIERA BURGUELLA		10						

Description, Specifications and Pictures represented in this brochure may vary from actual equipment purchased.

ADDDOV

<u>Sullivan</u> Palatek



Electric Driven Industrial Air Compressors

5-10 HP Belt Driven 15-40 HP Direct Drive 40-400 HP Updraft High and Low Pressure Variable Frequency Drive Designs Specialty Packaged Systems

> Piston Air Compressors Splash Lube Pressure Lube Gas Driven

Compressed Air Accessories Refrigerated Air Dryers Desiccant Air Dryers Air Filters Condensate Management Systems Oil Free Systems Air System Analysis System Management Solutions

Diesel Driven Portable Air Compressors

185 cfm to 1800 cfm John Deere, Cat and Cummins Engines 3 year Air End Warranty **Utility Models** Offshore Models

High Pressure Portable and Skid 950/350 to 1150/350

Instrument Quality Air 375H to 1600H Skid Mount Aftercoolers Skid Mount Dryers and Aftercoolers **Electric Construction Compressors** 50 to 400 HP Electronic Parts Orders Through SmartEquipTM

> Full Line of Pneumatic Tools Hoses and Accessories









Sullivan-Palatek 1201 W US Hwy 20 Michigan City, IN 46360

> PH: 800-438-6203 FX: 800-725-6203 info@sullivanind.com www.sullivanpalatek.com

Distributed By:

SM RP 8-12 2/M ROPE, INC.

TCD 2.9

For mobile machinery

30 - 55.4 kW|40 - 75 hp at 2200 - 2600 rpm EU Stage IIIB / US EPA Tier 4

- Newly-designed, water-cooled 4-cylinder inline engine with cooled, external exhaust gas recirculation with and without turbocharging and optionally with and without charge air cooling.
- Use of DVERT® oxidation catalyst (DOC) enables maintenance-free operation under all application and ambient conditions. A DVERT® particulate filter (DPF) is available as an option.
- The engines come with a modular exhaust aftertreatment system (EAT) configuration including the option of engine mounted systems. This simplifies machine integration for the OEM considerably and virtually means a drop-in solution.



- The powerful Common Rail injection system and highly-efficient combustion process with cooled external exhaust gas recirculation ensure optimum engine performance at low fuel consumption and exhaust emissions.
- Best cold starting performance even under extreme conditions.

- 500 h oil change intervals and a maintenance-free valve train result in low maintenance costs and increased machine availability.
- The extremely compact engine design and customer friendly accesoires reduce the installation costs and increase the number of applications.
- 100% power take-off at flywheel and front end and additional side PTO drive with up to 120 Nm for the mounting of up to two hydraulic pumps.
- The DVERT[®] oxidation catalyst enables the engines to meet the requirements of the EU Stage IIIB and US EPA Tier 4.
- A variant without EAT is optionally available for EU Stage III A, US EPA Tier 4i and for less regulated markets.

Technical data



Engine type		D 2.9 L4	TD 2.9 L4	TCD 2.9 L4
No. of cylinders		4	4	4
Bore/stroke	mm in	92/110 3.6/4.3	92/110 3.6/4.3	92/110 3.6/4.3
Displacement	I cu in	2.9 177	2.9 177	2.9 177
Max. nominal speed	min ⁻¹ rpm	2600	2600	2600

Engine type		D 2.9 L4	TD 2.9 L4	TCD 2.9 L4
Power output as per ISO 143961)	kW hp	36.4 50	55.4 175	55.4 175
at speed	min ⁻¹ rpm	2600	2600	2600
Max. torque	Nm lb/ft	147 108	260 192	300 221
at speed	min ⁻¹ rpm	1600	1600 - 1800	1600 - 1800
Minimum idling speed	min ⁻¹ rpm	900	900	900
Specific fuel consumption ²⁾	g/kWh lb/hph	230 0.38	227 0.37	209 0.34
Weight as per DIN 70020 Part 7A3)	kg lb	220 485	237 522	237 522

- 1) Power data without deduction of fan power.
- Best full load consumption refers to diesel with a density of 0.835 kg/dm³ at 15°C | 6.96 lb/US gallon at 60°F.
- 3) Without starter/alternator, cooler and fluids but with flywheel and flywheel housing.

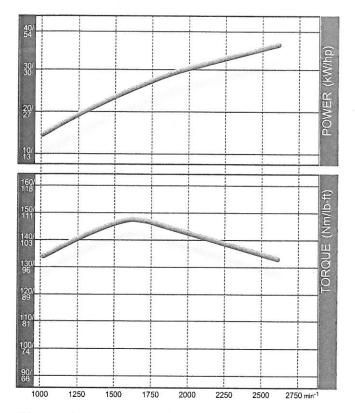
The data on this data sheet are for information purposes only and are not binding values. The data in the quotation is definitive.

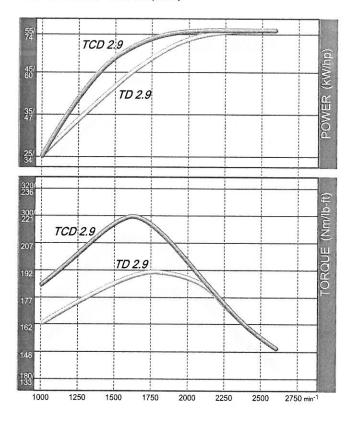




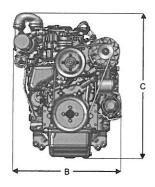


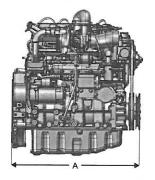
TD/TCD 2.9 L4 - 55.4 kW|75 hp

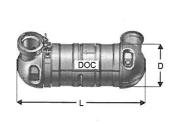




Dimensions









Order no. 0031 2262 / 03 / 2013 / VC-CM

								DO	DOC		DPF		T® EAT
			Α	В	С	D	L	D	L	DOC	DPF		
D 2.9 L4	<37 kW	mm in	648 25.5	483 19.0	685 27.0	199 7.8	380 15.0						
TD 2.9 L4							523 20.6						
TCD 2.9 L4	<56 kW	mm in	648 25.5	560 22.0	685 27.0	199 7.8	380 15.0	199 7.8	613 24.1		A		

■ Standard ▲ Optional

The DVERT® oxidation catalyst (DOC) does not satisfy the regulations of certain markets that have specified additional limit values for the <u>number</u> of particles (e.g. Switzerland). DEUTZ offers the DVERT® wallflow particulate filter as an option for these markets.

All connection variants are available either in 0° or 90° positions for inlet and outlet flanges.

Note: The engine dimensions and weights vary depending on the scope of delivery.



For more information please contact the DEUTZ AG Köln or the responsible sales partner.

Warranty

Portable Compressors

Sullivan-Palatek, Inc. warrants its new portable air compressor products to be free from defects in material and workmanship, subject to the following provisions:

Warranty Registration: To validate the warranty for each product the purchaser shall complete and return the warranty registration form within 30 days of delivery to the first user or rental.

Warranty Period: The warranty period for applicable Sullivan-Palatek products is as follows (subject to the Exclusions and Limitations noted below):

Air ends on new machines – stator and rotor assembly: Single stage compressor models: the first to expire; 42 months from shipment by Sullivan-Palatek or 36 months from delivery to the first user. Two stage high pressure compressor models: the first to expire; 30 months from shipment by Sullivan-Palatek or 24 months from delivery to the first user. Remainder of new portable air compressor machines: the first to expire; 18 months from shipment by Sullivan-Palatek or 12 months from delivery to the first user.

Parts, accessories and attachments sold separately from machines, excluding warranty replacement parts and hand tools: the first to expire; 6 months from shipment by Sullivan-Palatek or 3 months from delivery to the first user.

Warranty replacement parts: remainder of the original warranty period of the replaced part.

Sullivan-Palatek's Obligations: Sullivan-Palatek's exclusive obligations with respect to breach of warranty are (i) to repair or replace (at Sullivan-Palatek option and subject to return of defective parts) any defective part, (ii) to pay the reasonable cost of making the repair or reinstalling the replacement part and (iii) only for air compressors having two or more axles, to reimburse up to four hours travel labor at the travel reimbursement rate and mileage at the mileage reimbursement rate for up to 200 miles (100 miles travel radius) per event to make repairs.

Customer's Responsibility: As a condition to Sullivan-Palatek's obligations under this warranty, Customer shall (i) give Sullivan-Palatek written notice of any warrantable failure of any Sullivan-Palatek product within the applicable warranty period, (ii) make the product available for repair at a Sullivan-Palatek authorized repair facility, (iii) pay all costs of returning failed parts to Sullivan-Palatek, (iv) pay shipping costs for replacement parts, (v) pay reasonable travel expenses for field repairs performed at customer's request and (vi) pay the costs of investigating performance complaints that are not covered by this warranty.

Exclusions and Limitations: Air end seals are not warranted. Engines, tires and batteries are not warranted by Sullivan-Palatek and are warranted only by the manufacturers of these components. Sullivan-Palatek has no obligation for product failures or defects resulting from overloading, misuse, neglect, accident, failure to comply with Sullivan-Palatek's product manual or failure to install product improvements provided by Sullivan-Palatek. Use on a product of attachments, accessories or service parts not supplied or recommended by Sullivan-Palatek may, at Sullivan-Palatek's option, void the warranty of that product. Sullivan-Palatek has no obligation to pay costs of returning defective parts to Sullivan-Palatek or shipping replacement parts to customer.

THIS WARRANTY IS SULLIVAN-PALATEK'S ONLY WARRANTY OF ITS PORTABLE AIR COMPRESSOR PRODUCTS AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED. ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE ARE EXCLUDED. SULLIVAN-PALATEK HAS NO OBLIGATION UNDER THIS WARRANTY OR OTHERWISE (REGARDLESS OF THE FORM OF ACTION) FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES, INCLUDING WITHOUT LIMITATION LOST PROFITS OR LOST INCOME.

This warranty applies to all Sullivan-Palatek portable air compressors shipped after April 1, 2011 unless expressly superseded by a later warranty. In the event of any conflict between this warranty and earlier warranty statements, the terms of this warranty will apply.

Warranty Policy

Warranty Duration

Sullivan-Palatek, Inc. warrants its portable compressor products to be free from defects in material and workmanship for the following periods:

Portable Compressors

- Overall 1 year, unlimited hours
- Airend installed in a standard pressure (100 psi) and high pressure (150 psi) portable compressor 3 years, unlimited hours
- Airend installed in a "Very High" pressure (350 psi or more) compressor 2 years, unlimited hours
- Remanufactured Air Ends purchased to replace worn or damaged 1 year

Warranty Commencement

To initiate the warranty the original purchaser, or the authorized Sullivan-Palatek distributor on the behalf of the purchaser, is required to complete the warranty registration form provided in the information and manuals folder with all new products. The warranty period begins with delivery of the product to the first user, whether as a sale or a rental. The maximum warranty obligation by Sullivan-Palatek is the stated warranty period plus 6 months from shipment of the product from our factory. See the product warranty statement for details.

Diesel Engines

The engine manufacturer warrants the engines installed in Sullivan-Palatek portable air compressors. Consult the written engine warranties for details. Registration of the engine for warranty with the manufacturer will ensure prompt warranty service from engine dealers. Customers should contact the nearest appropriate engine dealer to obtain prompt warranty service and repairs or to purchase extended warranty coverage. Note that John Deere engines in D185 through D375 compressor models have warranty coverage for up to 5 years or 5000 hours without additional cost. See the warranty information with each compressor or consult our Service Department for details.

Airends

The 3-year airend warranty specifically covers the stator and rotor assembly. The warranty period for related or attached components such as drive coupling, inlet valve, air-oil separator system and shaft seal is one year.

What Is Covered

Sullivan-Palatek obligations under its warranty include:

Repair or replace, at our option and subject to the return of failed parts when requested, any parts found to be
defective in material or workmanship that fail within the warranty period.



Credit will be issued at distributor net price for parts approved under warranty.

- Pay reasonable labor at our published rate to repair or replace the failed part or parts.
- For portable compressors with two or three axles (currently 750 cfm and higher) pay reasonable travel costs
 to make field repairs. Travel is not reimbursed for field repairs to Utility and single axle compressor products
 (currently 185 cfm through 375 cfm). Travel cost reimbursement is allowed up to a 100-mile radius and 4
 hours labor per round trip. Only one trip per warranty incident will be reimbursed.

What is Not Covered

- The cost of prescribed and normal maintenance and service
- Consequences of negligence, misuse, accident, improper application or storage
- Consequences of any modification or alteration not approved by Sullivan-Palatek

- Necessary labor and other costs related to removing accessories or attachments installed by the distributor or customer to gain access for warranty repairs or troubleshooting
- Premium or overtime labor to make repairs at the request of the customer
- · Labor costs in excess of what Sullivan-Palatek considers necessary or customary for a given repair
- Incidental travel costs such as meals, lodging, tolls and other similar costs
- Travel cost necessary to service a compressor located more than 100 miles from the servicing distributor's location
- Outside services or repairs not authorized by Sullivan-Palatek
- Purchase of repair parts, other than normal shop supplies, from other than Sullivan-Palatek to make warrantable repairs unless approved in advance by Sullivan-Palatek in writing

Customer Responsibility

The following elements are the responsibility of the customer/ distributor under the Sullivan-Palatek warranty.

- Provide written notice of warrantable failure within the warranty period.
- Make the product available for repair at an authorized Sullivan-Palatek repair facility.
- · Pay all costs of returning failed parts to Sullivan-Palatek when requested.
- Pay shipping cost for replacement parts.

ROPE, WC.

Rev. 09/08

Bidder:

Date:

12-1

State of West Virginia

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with West Virginia Code, §5A-3-37. (Does not apply to construction contracts). West Virginia Code, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the West Virginia Code. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

DIVISIO	I will make the determination of the resident vehicle reference, it applies to a
<u>\</u>	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
2.	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
3.	Application is made for 2.5% resident vendor preference for the reason checked: Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
4.	Application is made for 5% resident vendor preference for the reason checked: Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
5. ——	Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
6.	Application is made for 3.5% resident vendor preference who is a veteran for the reason checked: Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.
requiren	inderstands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the nents for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency cted from any unpaid balance on the contract or purchase order.
authorize the requ	nission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and es the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid irred business taxes, provided that such information does not contain the amounts of taxes paid nor any other information by the Tax Commissioner to be confidential.
Under p	cenalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true curate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate

Title:

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive

RFQ-7014EC03

Manager Constant Street	
RFQ No.	7014EC03
111 0110.	LATATIONS

STATE OF WEST VIRGINIA Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

WITNESS THE FOLLOWING SIGNATURE.

Commission Expires April 20, 2020

PO BOX 99 Falling Rock, WV 25079

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

THE TOTAL OF THE OFFICE OF THE	
Vendor's Name: ROPE INC.	
Authorized Signature: Denni Date	e: 12-11-13
State of West Virginia	
County of Kanawha, to-wit:	
Taken, subscribed, and swom to before me this 11 day of December	, 20 /3.
My Commission expires	. 1
AFFIX SEAL HERE NOTARY PUBLIC IN	Wallow Reli
OFFICIAL SEAL James Wallace Rollins Notary Public	Purchasing Affidavit (Revised 07/01/2012)
State of West Virginia	

NOTE:

Vendor and Notary's date must be the same.

Notary required to AFFIX SEAL on Purchasing Affidavit.