



www.aimspower.com

Milwaukee
235 W. Oklahoma Ave.
Milwaukee, WI 53207
Tel: 414.482.4200
Fax: 414.482.4939
Toll Free: 888.818.4200

8/21/18
Omnisouce
ship to number & street
ship to city, state & zip

Attn: Mike Richmond

Quotation #: 11419SJSJ-2

NOTICE: This quotation is void unless accepted within 15 days from date hereof and is subject to change upon notice. However, if AIMS elects to perform the services covered by the quotation in response to an order placed 15 or more days after the date of the quotation, the terms of the quotation will apply.

Subject: Quote for 7000hp Alstom DOX4365 Basic Overhaul & Slipping Upgrade

Hi Mike,

Thank you for offering AIMS the opportunity to be of service in the quoting of the above referenced motor.

The following scope of work details the operations that would be performed.

Scope of work:

- Unload motor from truck
- Megger and P.I. tested stator and rotor windings:
 - Stator – 1 min = 0.00 Gigohms 10 min = 0.00 Gigohms PI = 0.00 @ vdc
 - Rotor – 1 min = 0.00 Gigohms 10 min = 0.00 Gigohms PI = 0.00 @ vdc
- Manually rotate shaft checking for mechanical binding or noise
- Disassemble motor
- Perform a full current phase balance on the rotor and stator:
 - Stator 0000 Volts 000A 000A 000A
 - Rotor 0000Volts 000A 000A 000A
- Visually inspect all parts once disassembled
- Megger test brush rigging – 000 @ 500 vdc
- Test heaters –
- Test winding RTD’s –
- Clean all parts
- Micrometer check all machine fits:

Bearings Sizes =	Drive End Bearing	Opposite Drive End Bearing
	23160BKMBC3	NU256EM1C3

***The actual size with the sine bar was 00.000” front and 00.000” rear**
The size tolerance is 00.0000” -.000” +.000”
The front to back tolerance is – 00.0000” +.000” -.0000”
The “X” dimension was .000” when assembled the tolerance is .000”-.000”
The alignment on the ODE bearing was -

Coupling Fit (Shaft)	00.000”	-----
Bearing Journal	Taper*	00.0000”
Endshield Bore	00.0000”	00.0000”
Coupling Bore	00.000”	-----

The continuity of the journal was good – 00%+
The incoming bearing gap was .000”

- Install slippings, turn and polish concentric with shaft



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- Precision dynamically balance rotor with fan installed
- Perform final electrical tests before assembly
- Megger and P.I. test stator and rotor windings:
 - Stator – 1 min = 0.00 Gigohms 10 min = 00.0 Gigohms PI = 0.00 @ 0000 vd
 - Rotor – 1 min = 00.00 Gigohms 10 min = 00.0 Gigohms PI = 0.00 @ 0000 vdc
- Furnish, install and seat new brushes
- Furnish and install new SKF or FAG bearings
- Assemble motor complete
- Set drive end bearing gap - .000”
- Test run motor at voltage
- Take bearing temperature’s every ten minutes until bearing temps stabilize
- Perform final CSI vibration analysis
- Install coupling
- Paint motor and prepare for shipment
- Prep motor for loading

Cost for basic overhaul work scope.....\$ 63,057.00
Includes new DE & ODE bearings, brushes and brush springs

Delivery 4-6wks ARO based on current shop load

Monthly payment plan.....\$ 5,254.75 / mo for 12 months *

Motor storage at AIMS, heaters energized & shaft turned 450° monthly.....\$ 500.00*

***Payments and storage fees will start once the motor repair is complete. 1yr warranty on all parts and labor starting from the date that the motor leaves AIMS storage facility. 1yr warranty would be transferrable to new owner upon sale, starting from the date that the motor leaves AIMS storage facility**

Cost to Re-build and convert existing slipring assembly if needed.....\$ 24,697.93
We will remove and fully test the slipring assy and advise on its condition. This is a very old design with flat Copper rings, if needed, new SS grooved and vented rings will be machined and installed, all new rods, barriers & insulation, the center shuttle will be re-used.

We cannot reserve any dates without a PO.

You will be notified if additional electrical and/or mechanical repairs/parts are discovered to be necessary. If you elect to proceed with these repairs or any part of them, the costs will be in addition to the quoted price.

Thank you for your continued business, please let me know if you have any questions.

Best Regards,

Scott Joers
Engineering Manager
Mobile: 414-940-3495
scott@aimspower.com

TERMS AND CONDITIONS OF SALE

American Industrial Motor Service, LLC (herein called the Company) furnishes goods and services expressly conditional upon the terms and conditions contained or referred to herein. American Industrial Motor Service, LLC. hereby gives notice of its objection to any different terms and conditions set forth in Customer's purchase order or other similar communication and these will not be binding upon the Company unless specifically assented to in writing by the Company's authorized representative. Authorization by the Customer whether written or oral to furnish goods or services will constitute acceptance of these terms and conditions. Unless different or additional terms and conditions are stated or referred to in the proposal, in which case such additional or different terms and conditions shall be exclusive to the current proposal, the terms and conditions stated below apply and the terms and conditions below supersede any prior written or verbal agreements or communication.

QUOTATIONS

Each quotation is subject to the terms and conditions of the face and back of this letter and is void unless accepted within 15 days of the date of this quotation, and, in the meantime may be withdrawn or modified upon notice. It supersedes any and all previous quotations relating to this transaction.

TAXES

The price does not include any federal, state, local, property, license, sales, use, excise, value added, or other like taxes which may now or hereafter be applicable to, measured by, or imposed upon the goods and services provided by the Company. Such taxes that may be required to be paid by the Company will be charged to the account of the Customer and will be in addition to the quoted prices. Tax exemption certificates applicable to various taxing authorities will be accepted and taxes computed accordingly.

TITLE

All scrap resulting from the work will be the property of the Company whether on-site or in-shop. Title of all rental equipment shall remain with the Company. The Title and right of possession of equipment repaired, modified, inspected, tested, or maintained under this contract shall remain with the Customer subject to any applicable lien rights of the Company, and to its right of sale in the event of nonpayment as provided in these terms and conditions.

TERMINATION

Any order or contract may be terminated by the Customer only upon written notice to the Company and upon payment of reasonable and proper cancellation charges.

EXCUSABLE DELAYS

The Company shall not be liable for failure to perform or for delay in performance due to fire, flood, strike, or other labor difficulty, act of God, act of governmental authority or of the Customer, riot, embargo, fuel or energy shortage, car shortage, wrecks, delays in transportation, inability to obtain necessary labor, material, or manufacturing facilities from usual sources, or due to any causes beyond its reasonable control. In the event of delay in performance due to any such cause, the Customer will be notified as soon as practical and the date of delivery or time of completion will be extended by a period of time necessary to overcome the effects of the delay.

DELIVERY

Completion dates are approximate and are based upon prompt receipt of the equipment or ready access to it, if it is to be worked on at the Customer's premises, as well as prompt receipt of all necessary information and approvals from the Customer. In the case of any rental equipment, shipping dates quoted are based on rental stocks available at the time of quotation and are subject to prior rental. Unless otherwise specified by the Company, all shipments are F.O.B. the Company's plant

PAYMENT

Unless otherwise specified by the Company in its quotation, prorata payments shall become due without setoff as shipments are made or as work is completed at the Customer's site. If the Company consents to delay shipment after completion of any work, payment shall become due when the Company is prepared to make shipment. If the work is delayed by the Customer, payment shall be made based on the purchase price and the percentage of completion as determined by the Company. Equipment held by the Company for the Customer shall be at the risk and expense of the Customer.

The Company shall at any time refuse to accept any order or to require that the Customer make full or partial payment in advance or at benchmark points if, in the opinion of the Company, the Company's request the Customer will furnish written representation concerning its solvency prior to shipment.

The Company at its option may retain possession of equipment repaired, modified, inspected, tested, maintained, or serviced under this contract until its charges for such services or any other charges due are paid. If such charges are not paid within 90 days following completion of the work and invoicing to the Customer, the Company may, upon not less than 7 days written notice be certified mail to the Customer at the Customer's last known address, sell the equipment at public or private sale and apply the proceeds to the Company's charges.

In the event of bankruptcy or insolvency of the Customer or in the event any proceeding is brought against the Customer voluntarily or involuntarily under the bankruptcy or any insolvency laws, the Company shall be entitled to cancel any order then outstanding at any time during the period allowed for filing claims against the estate and shall receive reimbursement for its cancellation charges.

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WARRANTY

The Company warrants that the work performed per the quotation shall be free from defects in workmanship and material. Should any failure to conform to this warranty appear within one (1) year after shipment of the repaired or remanufactured equipment by the Company or after one year from completion of on-site activities, the Company shall, upon prompt written notification thereof and substantiation that the equipment has been stored, installed, operated, and maintained in accordance with the manufacturer's and Company's instruction's and standard industry practice, correct such nonconformity by repairing or, at its option, replacing any defective work F.O.B. its facility. Failure to notify the Company, in writing, of a warranty claim within the warranty period, will constitute a waiver of any such claim.

In no event shall the Company be responsible for providing working access to the defect, including the removal, disassembly, replacement, or reinstallation of any equipment, materials, or structure to the extent necessary to permit the Company to perform its warranty obligations.

All warranty work will be performed on a single shift straight time basis Monday through Friday. In the event that the product requires correction on an overtime basis, the premium portion of the work will be charged to the customer's account.

With respect to warranty on inspection, testing, calibration, maintenance, and consulting for which the Company is separately compensated, the Company warrants only that the services will be performed in accordance with accepted industry practices. If any service fails to meet the foregoing warranty, the Company shall re-perform the service to the same extent and on the same conditions as the original service.

With respect to the sale of equipment, new or used, not of the Company's manufacture, or of services provided by a third party through the Company, the Company will use its best efforts to obtain from the supplier, in accordance with the supplier's warranty, the repair, replacement or re-performance of the product or service that may prove defective.

Warranty stated above is exclusive. The preceding paragraphs set forth the exclusive remedies except as to title, based on failure of, or defect in equipment, material, components, or services, whether claim is made in contract or in tort (including negligence) and however instituted and upon expiration of the warranty period all such liability shall terminate. Except as set forth in "PATENTS" the foregoing are exclusive and in lieu of all other warranties whether written, oral, implied or statutory. No implied warranty or merchantability or fitness for purpose shall apply nor shall the Company be liable for any loss or damage whatever by reason of its failure to discover repair, report, or modify latent defects inherent in the design of any equipment.

The Company does not warrant any equipment, material, services, or components of others for which the Company is not authorized to perform warranty repairs. If the Customer wants repairs made to such equipment such repairs will be performed only with an order from the Customer to be paid by the Customer.

When a failure cannot be corrected by the Company's reasonable efforts, the parties will negotiate an equitable adjustment in price.

PATENTS

The Company may, in the performance of the contract, furnish or install equipment, components, materials, or supplies which may be purchased from other sources, manufactured by the Company to meet the specific needs arising under this contract or manufactured by the Company to the requirements of the Customer's instructions, designs, or specifications. The items furnished above by the Company are in accordance with the needs and of the particular contract and under circumstances which do not ordinarily allow for the investigation of possible risks arising under patents. The Company therefore assumes no obligation to the Customer with respect to such risks.

LIMITATIONS OF LIABILITY

The Company, its contractors or suppliers of any tier, whether as a result of breach of contract, warranty or tort (including negligence), shall not be liable for any consequential damages or loss of property or equipment, loss of profit or revenue, loss of use of equipment or power system, cost of purchased or replacement power or temporary equipment, Customer's overtime, claims of customers of the Customer, or for any special, indirect, incidental, or their damages whatsoever.

The remedies of the Customer set forth herein are exclusive and the liability of the Company with respect to any contract or anything done in connection therewith, such as the performance or breach thereof, or from the manufacture, sale, delivery, resale, installation, or technical direction of installation, maintenance, repair, or use of any equipment covered by, or furnished under this contract, whether in breach of contract, in tort (including negligence), or otherwise.

Each of the foregoing paragraphs in this article will apply to the full extent permitted by law. The invalidity, in whole or in part, of any paragraph will not affect the remainder of such paragraph or any other paragraph.

INDEMNIFICATION

The Company shall, subject to provisions under "LIABILITY", indemnify and hold harmless the Customer for, but only for, claims of third parties for physical damage to property and personal injury, including death, occurring during the performance of the work herein on the premises of the customer and resulting directly and solely from the negligence of the employees of the Company while engaged in such work.

GENERAL

The delegation or assignment by the Customer of any or all of its duties or rights hereunder without the Company's prior written consent shall be void. Any representation, promise, course of dealing or trade usage not contained or referenced herein will not be binding upon the Company. No modification, amendment, rescission, waiver, or other changes shall be binding upon the Company unless assented to in writing by the Company's representative.

The Company will comply with applicable Workman's Compensation Acts as well as Federal, state, and local equal employment opportunity laws. Price and, if necessary, delivery of the contract will be adjusted accordingly to deal with any other laws or regulations.