

Purchase ENQ NO. B809E001/1

03.05.2019

Dear Sir / madam

Kindly offer your best price for below mentioned item

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Slno	Item Description	Unit
1.	DCPA0492COMPAMC ANNUAL MAINTANANCE CONTRACT "A.M.C"FOR PCB PLANT AIR COMPRESSOR AKE : KIRLOSKAR PNEUMATIC Co. Ltd. MODEL : T BTD MM	2 Nos.
AMC Commence from JUNE 2019 to MAY 2020		

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1. PL SEND YOUR OFFER BY BEST MEANS BEFORE THE DUE DATE.
2. PL SEND YOUR QUOTE IN A SEALED COVER SUPERSCRIBING TENDER NO. & DUE DATE. OUR TERMS OF PAYMENT IS NORMAL 60 DAYS CREDIT.

**Due Date:17.05.2019**

Asst. Manager (MM)  
email: rosario\_bgp@itiltd.co.in  
Ph : 080-28503662  
Fax: 080-25650361

**NOTE : PLEASE INDICATE THE DUE DATE ON YOUR E-MAIL QUOTATION**

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**SPL.NOTE:**

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**PL QUOTE FOR OUR TENDER QTY ONLY ELSE YOUR QUOTATION WILL BE INVALID.**

1. The terms and conditions for submission of Tenders, Please visit our Web-Site <http://www.itiltd-india.com>. For any clarification please feel free to contact us.
  2. Governing Law: Disputes if any, will be within jurisdiction of Bangalore, Karnataka, India.
  3. Please indicate whether you fall under purview of MSMED Act.2006 and if so the certified copy of relevant Registration Certificate as proof may be submitted along with the tender bid.
  4. Incase such certificate is not produced at the time of bid you will not be considered to be falling under this category.
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SPECIFICATIONS  
T-BTD-MM

1. BORE
 

L P CYL.		255 mm
H P CYL.		160 mm
2. STROKE ----- 120 MM
3. COMPRESSOR SPEED ----- 610 rpm
4. PISTON DISPLACEMENT ----- 7.43 M<sup>3</sup>/min
5. FREE AIR DELIVERY ----- 5.99 M<sup>3</sup>/min
6. SUCTION PRESSURE ----- 1.033 kg/cm<sup>2</sup>a
7. WORKING PRESSURE ----- 7.0 kg/cm<sup>2</sup>g
8. LUB OIL PRESSURE ----- 2 TO 4 kg/cm<sup>2</sup>g
9. TOTAL COOLING WATER .. 45 lpm  
QTY (CYL JACKET & I/C)
10. TOTAL WEIGHT OF ..... 1750 kg  
COMPRESSOR APPROX.
11. OVERALL DIMENSIONS ..... 2660 mm Length  
OF COMPRESSOR ..... 1100 mm Width  
APPROX. .... 1570 mm Height
12. ELECTRIC MOTOR ----- MAKE  
KW,  
1500 rpm (syn)  
Sq. Cage
- FRAME ----- I
13. BELT TYPE ----- SPC 4000  
FENNER MAKE  
(QTY - 2 NOS)

## SCOPE OF WORK

PCB Plant Air Compressor

Make : KIRLOSKAR PNEUMATIC CO.Ltd

Model: T- BTD - MM

Qty : 2 No's,

- 1) CLEANING OF PRIMARY OIL FILTER ELEMENT.
- 2) CHECKING AND CLEANING OF UNLOADING PISTON AND REPLACEMENT OF NEW O RINGS & COPPER RINGS & GASKETS.
- 3) DISMANTLING OF ALL THE SUCTION & DELIVERY VALVES ON LP/HP SIDE. CHECKING LEAKAGES AND CLEANING, REPLACEMENT OF WORN OUT PARTS IF NECESSARY.
- 4) CHEKING OF CYLINDER BORES & PISTON & PISTON RINGS, AND GLAND PACKINGS IF WORN OUT REPLACE THE SAME.
- 5) INSPECTION AND REPLACEMENT OF CRANK CASE LUB OIL IF NECESSARY AND CHANGING OF SECONDARY OIL FILTER ELEMENTS.
- 6) CHECKING THE SAFETY VALVES FOR PROPER FUNCTIONING.
- 7) CHECKING THE COMPRESSOR AND MOTOR FOUNDATION BOLTS AND NUTS. CHANGE IF THEY ARE WORNOUT.
- 8) CHECKING THE BELT TENSION ADJUST IF NECESSARY.
- 9) CHECKING THE AIR SUCTION FILTER IF NECESSARY REPLACE THE SAME.
- 10) CHECKING CLEARENCE OF MAIN BEARING/BIG END BEARING, SMALL END BUSH AND REPLACEMENT OF WORN OUT PARTS.
- 11) CHECK PRESSURE REGULATOR IN LOAD/UNLOADING CONDITION
- 12) ENSURE THAT THE CLEARANCE BETWEEN PISTON ROD AND GLAND PACKING COVER IS UNIFORM.

- 13) OPEN THE INSPECTION COVER OF CYLINDER WATER JACKETS (4 No's) AND CHECK FOR SLUDGE AND SCALE FORMATION AND CLEAN IF NECESSARY.
- 14) CLEAN THE WATER COOLER, INTER-COOLER AND COOLER ELEMENTS. REMOVE SLUDGE AND SCALES. DESCALING OF WATER JACKETS & COOLERS FOR 2 COMPRESSORS.
- 15) CHECK THE MAIN AND CONNECTING ROD BEARING FOR WEAR.
- 16) CHECK FOR INTERLOCK FUNCTIONING OF WATER AND LUBRICATING OIL.
- 17) CHECKING OF NON-RETURN VALVE ASSEMBLY.
- 18) GENERAL CHECK-UP FOR VIBRATION AND ABNORMAL SOUND.
- 19) LEAKAGE IN ALL JOINTS TO BE CHECKED.

**NOTE:**

- 1. The supplier to inspect the compressors before submitting the quotation,
- 2. Period of contract is for one year.
- 3. The AMC covers four preventive Maintenance & eight Break down Calls.
- 3. The contractor has to bring their own tools and equipments.
- 4. The contractor shall attend to breakdown calls within 24 hours of intimation.
- 5. The contractor shall meet / intimate the concerned official of ITI before taking up repair or service work.
- 6. The contractor shall give completion report duly attested by ITI official after attending to each breakdown and service calls.
- 7. Payment shall be made after satisfactory quarterly service.
- 8. Spares required for repairs and service shall be provided by ITI.