

Name of Work: Comprehensive Annual Maintenance Contract of 4X120TR Chillers.

Scope of Work

Scope of Work: The Scope of work provides for the Comprehensive Annual Maintenance Contract of 4X120TR Chillers.

A comprehensive annual maintenance contract (CAMC) for the 4X120 TR water-cooled screw chiller system, along with the descaling process.

(a) Service of all chillers, (b) All types of Static and dynamic Mechanical parts repair and replacement, (C) All types of Electrical and electronics parts repair and replacement, (D) Monthly Visit for Checking and Preventive Maintenance of all chillers (C) Descaling condenser tube (E) Unlimited Breakdown calls for all type of fault for Preventive Maintenance Services

Specification:

Quantity:- 4 X 120 TR

Capacity: 480 TR

Refrigerant: R-134a

Model Nom: KWK 120 Single Compressor

Make: Kirloskar Chillers Pvt. Ltd

The Scope of works provides for a Comprehensive Annual Maintenance Contract for the 4X120TR Chillers in the ICTS Campus for 1 year includes all parts, unlimited breakdown calls, 100% labour and travel coverage 7 days/week, 24 hours/day, cover monthly preventive maintenance services and all types of unlimited breakdown calls.

Visit Frequency And Period :

During the contract period, the company shall appoint an engineer, who must make one monthly visit as per the given schedule.

Preventive maintenance checks, and attending unlimited breakdown calls (numbers) as agreed and stated in the ICTS PO. In general case, the duration of each visit shall be about one or two days depending upon the nature of the work/ services.

Routine Work by Service Provider:

The Service Engineer of the Company will have to carry out the following activities:

- Checking actual performance/operating parameters of the chiller with the help of log readings recorded by the chiller operator during the previous month and actual parameters of the chiller.
- Checking the set parameters in the controller, and noting down the safety fault trips. Then take the control test of the Controller, if required.
- Recommend Laboratory test of Oil*, based on visual inspection and log readings. If the Lab test report calls for the oil replacement, our ICTS engineer will recommend the same.
- Carrying out preventive maintenance standards Check for betterment of the chiller.
- The service reports/recommendations for every visit will be signed between the Company and the Customer's site-in-charge or Chief Engineer during every visit. Service report formats would be as per OEM standards.

Inclusions: The following jobs/spares are included in CAMC

- Repair of Compressor
- Compressor motor rewinding
- Pressure Transducer - Low-Pressure
- Pressure Transducer - High-Pressure
- Pressure Transducer – Oil Pressure*
- Temperature Sensor
- EVD Board
- Expansion Board
- Controller repair/ replacement
- Display repair/replacement
- WPU and VPD
- Electrical cords
- Liquid Injection valve
- Liquid injection solenoid valve
- Loading Solenoid Valve
- Unloading solenoid valve
- Non-return valve on discharge line
- Refrigerant Liquid Line Shut-off valve
- Electronic Expansion valve
- Suction Strainer
- Lubricating oil
- Oil Filter
- Gasket & 'O' ring kit for oil filter*
- Capacity Control Solenoid Coil
- Crank Case Heater
- Oil Heater
- Drier-Core
- Gasket Filter drier top flange
- Glass Fuse for Master Board Power Supply
- Gasket Dish end
- Gasket for water nozzle – Round Flange (Condenser)
- Gasket for water nozzle (Evaporator)
- Gasket Oil Strainer
- Gasket Solenoid Valve
- Gasket Filter drier top flange
- Pressure Relief Valve
- Angle Valve
- Current Sensor
- Oil Pump,
- Oil Cooler,
- Descaling of Heat Exchangers once a year (Water Quality as per OEM specification to be maintained by the Department always, Water Quality Lab test report submitted quarterly by service provider)
- Inclusive of Nitrogen supply
- Inclusive of Lubricating oil (if required during the contract period against oil lab test reports)
- Inclusive of Refrigerant
- Instrument calibration
- Starters like VFD, Soft Starter, Star-Delta Starter
- Main circuit breaker and contractors

Duration of AMC: The Comprehensive AMC duration will be 1 year from the date of acceptance of the work order.

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ENQUIRY

Ref: ICTS/PD/CF23-43/230088

January 09, 2024

1. M/s. GOVERNMENT E MARKETPLACE (GOEM)

Dear Sirs

Please let us have your **Quotation** for the following:

S.No.	Item Code	Description	Qty	UOM
1	LSWRM000742	Providing Comprehensive Annual Maintenance Contract for the 4X120TR water cooled Screw Chillers in ICTS Campus for 1 year includes all parts, unlimited breakdown calls,100% labour and travel coverage 7 days/week, 24hours/day, cover monthly preventive maintenance services and all types of unlimited breakdown calls, including with the descaling process. Specification of Chillers: Quantity:- 4 X 120 TR Refrigerant: R-134a Model Nom: KWK 120 Singal Compressor Make: Kirloskar Chillers Pvt. Ltd Scope of Work:As per BOQ	4.00	NOS

If the Supplier fails to deliver any or all of the Goods or to perform services within the period(s) specified in the Purchase Order/Contract, the Purchaser shall, without prejudice to other remedies under the Contract, deduct from the Contract Price, as penalty, a sum equivalent to 0.5% per week and the maximum deduction is 5% of the contract price.

Quotation sent by hand delivery / courier are to be deposited in the Tender Box kept at the Main Gate after obtaining stamp, date and signature of the Security Officer.

Quotation should be submitted in sealed envelope duly superscribing our enquiry reference and due date.

Yours faithfully

**ABHIJIT DE ,
ADMINISTRATIVE OFFICER (D)**

Copy to: Prof. / Dr. / Mr. / Mrs. / Ms. / Shri / Smt. CHANDAN KUMAR (ICTS-23N466)
Your Indent Req. No.CKR0010120 Dated:20/12/2023 refers.

Remarks: Comprehensive Annual Maintenance Contract of 4X120TR Chillers.