



JAIPUR METRO

JAIPUR METRO RAIL CORPORATION LIMITED

(A Govt. of Rajasthan undertaking)

Directorate of Operations & Systems

4th Floor, Administrative Building, Bhrigu Path, Mansarovar, Jaipur- 302020

Tel. No. 0141-2822115 (O), E-mail – jmrc.edtem@gmail.com

F.No.-. 1(45)/JMRC/O&S/TEM/2019/LAMC of Chiller MSVD /7609

Dated:- 26.06.2019

To,

DAKIN AIRCONDITIONING INDIA PVT. LTD.,

78- KIRAN PATH, SURAJ NAGAR WEST,

CIVIL LINES,

JAIPUR- 302006

RAJASTHAN 302006

INDIA.

TEL: +91-141-2223430, 2223439, 7340026432.

Subject: "Labour Annual Maintenance Contract for 3 nos. PFS1701DARY Model, McQuary Water Cooled Chillers installed at Mansarovar Metro Depot for 3 Years."

Sealed bid is invited for "Labour Annual Maintenance Contract for 3 nos. PFS1701DARY Model, McQuary Water Cooled Chillers installed at Mansarovar Metro Depot for 3 Years." as per Bid document attached. The rates shall be quoted in BOQ in the bid document.

Signed, stamped and sealed offers should reach in the Office of Manager (Traction / E&M), Room no. 107, Admin Building, Mansarovar metro train depot, Bhrigu path, Mansarovar, Jaipur- 302020 by 09.07.2019 at 12:00 Hours positively. Offers received after due date and time will not be entertained. Bid will be opened on 09.07.2019 at 12:30 hrs.

*day
arced*
26.6.19

Executive Director (Traction and E&M)
JAIPUR METRO RAIL CORPORATION LTD

Encl:-Bid document



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1. NOTICE INVITING BID(NIB)

F.No.-. 1(45)/JMRC/O&S/TEM/2019/LAMC of Chiller MSVD

Jaipur Metro Rail Corporation (JMRC) Ltd. invites bid as detailed below:

KEY DETAILS

a)	Name of Work	"Labour Annual Maintenance Contract for 3 nos. PFS1701DARY Model, McQuary Water Cooled Chillers installed at Mansarovar Metro Depot for 3 Years."
b)	NIB No.	JMRC/O&S/EL/2019-20/NIB/012
c)	Approximate Estimated Cost of work (including GST)	Rs. 10,62,000/-
d)	Bid Security Amount	Nil
e)	Cost of Bid Form	Nil
f)	Bid document availability period	1700 hrs. Of 26.06.2019 to 1200 hrs. of 09.07.2019
g)	Last Date for submission of Bid	12:00 hrs. of 09.07.2019.
h)	Time & Date of Opening of Bid	12:30 hrs. of 09.07.2019
i)	Venue of Physical Submission and Opening of Bid	Room no. 107, Administrative Building, Mansarovar metro train depot, Bhriku path, Mansarovar, Jaipur- 302020
j)	Websites for downloading Bid Document and subsequent clarification/ modification, if any	http://transport.rajabsthan.gov.in/jmrc www.sppp.rajabsthan.gov.in
k)	Validity of Bid	90 days from the last date of submission of bid.
l)	Contract Period	Three years from the date of letter of Acceptance
m)	Performance Security	(5 % of the contract amount) which shall have to be deposited within one week of LOA in the form of Banker's Cheque/ Demand Draft/ Bank guarantee of a Scheduled Bank in favour of "Jaipur Metro Rail Corporation Ltd." payable at Jaipur

Note: The contract is governed by RTPP Act 2012 and RTPP Rules 2013.

EXECUTIVE DIRECTOR (Traction and E&M)

JAIPUR METRO RAIL CORPORATION LTD,

Room No.407, 4th floor, Admin Building
Bhriku path, Mansarovar, Jaipur – 302020

Tel: +91-77288-95403

Email: jmrc.edtem@gmail.com

edtem@jaipurmetrorail.in

2. INSTRUCTIONS TO BIDDERS

2.1 OBJECTIVE OF THE BID

Through this Bid, JMRC seeks bid for **“Labour Annual Maintenance Contract for 3 nos. PFS1701DARY Model, McQuary Water Cooled Chillers installed at Mansarovar Metro Depot for 3 Years.”** with OEM i.e. M/s Daikin Air Conditioning India PVT. LTD.

2.2 INTRODUCTION

Sealed bid is invited for the work of **“Labour Annual Maintenance Contract for 3 nos. PFS1701DARY Model, McQuary Water Cooled Chillers installed at Mansarovar Metro Depot for 3 Years.”** Bid No. JMRC/O&S/EL/2019-20/NIB/012 towards by Jaipur Metro Rail Corporation Limited, hereinafter called the ‘Employer’ in accordance with this Bid Package.

The Bid Document consists of the following:

- (i) Notice Inviting Bid (NIB)
- (ii) Instructions To Bidders (ITB)
- (iii) Special Conditions of Contract (SCC)
- (iv) Technical Specifications and Scope of work
- (v) Terms of Payment and Penalty
- (vi) Grievance Redressal during Procurement process
- (vii) Technical cum Financial Bid

Note: -

- (A) Corrigendum, Addendums and subsequent clarifications on bid terms, if any, can be downloaded from the below mentioned websites. All the information, intimation and updates regarding this tender shall be published on above mentioned websites only. Keep visiting these websites for any subsequent clarifications & modifications.
- (B) If the date of opening is declared holiday, then Bids will be opened on next working day.
- (C) Approved GCC and SHE manual are applicable and available on the JMRC website successful bidder shall sign the complete GCC and SHE documents and submit to the JMRC.

2.3 COST OF BID DOCUMENT

- i.) The complete bid document can also be downloaded from the website <http://transport.rajasthan.gov.in/jmrc> or www.sppp.rajasthan.gov.in.

2.4 SUBMISSION OF BID

The Proposal duly filled in and complete in all respects must be submitted in a sealed envelope at the JMRC office clearly marked as **“CONFIDENTIAL”** and **“Labour Annual Maintenance Contract for 3 nos. PFS1701DARY Model, McQuary Water Cooled Chillers installed at Mansarovar Metro Depot for 3 Years.”**

Handwritten signature



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Bhriugu path, Mansarovar,

Jaipur-302020

3. Special Conditions of Contract (SCC):-

1. Bidder should have valid GST registration number and should submit with bid document.
2. The rates quoted shall be for JMRC office, Mansarovar Metro Depot, Jaipur-302020, inclusive of all expenses i.e. all taxes (excluding GST), and transportation charges etc; no other charges shall be paid by JMRC.
3. Bid name and bid UBN no. should be mentioned on the sealed offer.
4. Offer from the firm who does not have a valid GST No. will not be entertained.
5. **Payment Terms-** Payment of AMC charges shall be made on **Quarterly Basis** on submission Tax Invoice/Bill and submission of maintenance reports duly verified from nominated JMRC staff after satisfactory maintenance of **3 nos. PFS1701DARY model, McQuay Chillers installed at Mansarovar Metro Train Depot.** GST shall be paid @18% or as applicable at the time of billing.
6. Inspection Authority: BY JE/E&M/DEPOT.
7. Consignee: JMRC representative, Jaipur-302020 -Rajasthan.
8. Validity of offer:-Bidder is required to keep their offer open at least Ninety days (90 days) from the date of bid opening.
9. At the end of the period of AMC, all machines/equipment under AMC will be handed over as functional machine /equipment.
10. The AMC shall be for **Three Years** and the JMRC reserves the right to extend on the same terms and conditions depending on the services rendered by the bidder and mutual consent of the firm.
11. If the tenderer fails to undertake the job satisfactorily at any period of time and withdraws his services. JMRC has right to terminate the contract and get the work done from any outside agency at the cost of contractor. JMRC may at its discretion write to other Govt./PSU regarding such breach by contractor for which contractor shall be solely responsible.
12. The Bidder shall submit his bid in a sealed envelope containing all necessary documents such as duly signed bid form, Authorization Certificate/AMC provider Certificate for **PFS1701DARY Model, McQuay Chillers.**
13. No bid will be received/ accepted after the expiry of the prescribed date and time for submission of the bid. Postal delay or loss of tender in transit will not be the responsibility of Jaipur metro rail corporation.
14. The offer to be addressed to ED (Traction and E&M), JMRC, 4th Floor, Room No.-407, Admin Building, Metro Depot, Near Ganga Jamuna Petrol Pump, Mansarovar, Jaipur- 302020.
15. The offer shall be unconditional and JMRC has the right to reject the tender in any stage.

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**4. Technical Specifications and Scope of work****(A) Technical specifications**

S. No.	Item details	Make
1	"Labour Annual Maintenance Contract for 3 nos. PFS1701DARY Model, McQuary Water Cooled Chillers installed at Mansarovar Metro Depot for 3 Years."	McQuay

(B) Scope of work :

1. The scope of work includes Preventive & breakdown maintenance of Chiller System and submitting a report after every visit/maintenance.

2. **Maintenance during AMC:**

- a) Contractor shall carryout Minimum **four preventive maintenances** in a year i.e. after each quarter he will carry out quarterly, half yearly and yearly maintenance as per schedule to be given by contractor (OEM). Contractor's preventive maintenance being from OEM only should normally not attract any failure/defect in the system but in case there is any complaint in the system, same shall be advised to contractor through telephonically SMS or e-mail and contractor shall attend the call and carryout corrective maintenance /repair to put right the system within 24 hrs. Contractor shall make his all-out efforts to adhere the time schedule of preventive as well as corrective maintenance and in case of delay beyond reasonable limit a penalty as prescribed in Section 5: Terms of payment and Penalty of bid document shall be deducted from his bill amount.

- b) The various schedules of quarterly ,half yearly and yearly maintenance is to be handed over by contractor along with offer

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Prior to issue of 'LOA' however following checks/maintenance is to be performed during preventive maintenance (Para 2(c))

- c) **PREVENTIVE MAINTENANCE:**

- i. Check Oil level in the oil separator.
- ii. Check Liquid sight glasses to determine if there is a refrigerant shortage.
- iii. Inspecting the unit for leaks with a soap solution.
- iv. Inspect entire system for any unusual conditions such as noise, vibration, etc.
- v. Check the system operating pressure and temperatures to ensure proper operating conditions.
- vi. Check Evaporator and Condenser approach.
- vii. Check chilled water flow by checking pressure drop across the chiller.
- viii. Compare the chilled water temperature at full load with the chilled water temperature control.
- ix. Inspect all safety controls and adjust if required.

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- x. Inspect all operating control and sequence of operation.
- xi. Review daily operating log maintained by JMRC operating personnel and instruct operating engineer as required.
- xii. Quarterly health report of chiller and suggestions for improvement.
- xiii. Motor Insulation Checks.
- xiv. Yearly adjustments of controls if required.
- xv. Controller program (Operating Software) updation when required.
- xvi. **CHILLER PARTS**

1. Compressor

- A. Performance Evaluation (Log & Analysis)
- B. Motor
 - Terminal Check (tight connection, porcelain clean)
 - Resistance to ground
- C. Lubrication System
 - Oil Appearance (clear colour, quantity)
- D. Unloading Operation
 - Compressor Loads
 - Compressor Unloads

2. Controls

- A. Operation Controls
 - Check setting and Operation
 - Check unloading setting and operation
 - Verify Load Balance Operation
- B. Protective Controls
 - Test Operation of:-
 - High and low pressure
 - High discharge Temperature

3. Condenser

- A. Performance Evaluation
- B. Seasonal Protection

4. Expansion Valves

- A. Performance Evaluation

5. Compressor chiller unit

- A. Performance Evaluation
- B. Leak Test
 - Compressor Fittings and Terminal
 - Pipe Fittings
 - Vessel relay Valves

6. Starter

- A. Examine Contactors (Hardware and Operation)
- B. Verify Overload Settings and Trip
- C. Test and Tighten Electrical Connection

- xvii. The contractor has to maintain a register for the periodical inspections/maintenance, which have to be signed by representative of the JMRC.

Handwritten signature



- xviii. All maintenance activities/visits will be witnessed by JMRC nominated representatives.
- xix. The summary/checklist of preventive maintenance parameters as well as Corrective Maintenance shall be submitted by contractor jointly signed and verified by the JMRC Representative.
- xx. Record of each routine visit and call-out visit, together with details of the work done or action taken, shall be entered on a log book which shall be provided by the contractor and same shall be retained by JMRC. It will be filled after completing each visit/maintenance and jointly signed by contractor and JMRC representative.

d) CORRECTIVE MAINTENANCE:

- i. In case of any complaint/ breakdown/fault in any Chiller, the firm has to attend and repair the fault within 24 hours of reporting on phone/FAX/ Email/SMS etc.
- ii. Penalty of Rs. 1,000 per day per Chiller in AMC period will be imposed if chiller is not working for more than 24 hrs. Even after communicating to contractor due to any failure including software issues.
- iii. The total penalty amount shall not exceed 10% of Total contract amount. Repeated cases of not attending the failure within 24 Hrs. will be considered as unsatisfactory performance on part of contractor and JMRC has the right to reject the tender in any stage.

5. Terms of Payment and Penalty:

- 5.1 The date of commencement of this work shall from LOA and the duration of work shall be for Three Years. Payment of AMC charges shall be made on Quarterly Basis on submission Tax Invoice/Bill and submission of maintenance reports duly verified from nominated JMRC staff after satisfactory maintenance of 3 nos. PFS1701DARY model, McQuay Chillers installed at Mansarovar Metro Train Depot. GST shall be paid @18% or as applicable at the time of billing.
- 5.2 The contractor shall arrange to carryout minimum 4 nos. Quarterly preventive maintenance and submit the report thereof. The preventive maintenance of each of the Chiller will be carried out as per pre-approved schedule and in no case it shall be delayed by 05 days for any of the individual Chiller. In case preventive maintenance of each quarter is delayed beyond 05 days of Grace period, penalty of Rs. 300 per day per chiller shall be levied against the contractor.
- 5.3 Similarly, every call of breakdown /complaint is to be attended within 24 hrs and when chiller is not completely out of order, a penalty of Rs. 200 per chiller per day shall be levied (but if chiller(either of the three)) remains out of order for more than 24 hours, then after expiry of 24 hrs. Period a penalty of Rs. 1000 per chiller per day shall be levied till the same is put right and made operational. This will also include the operating software issue. The Total penalty during the course of AMC period

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shall however not exceed 10% of the total contract amounts. Repeated shutdown of any of the chiller or frequent complaints shall be treated as unsatisfactory performance on part of contractor and JMRC may be compelled to terminate the contract at any of such stage with forfeiting performance security and resorting to other consequences.

- 5.4 The employer shall have the sole right to terminate this contract on account of unsatisfactory performance which shall be determinable at the sole discretion of the employer. Such termination shall be affected by serving a 7 days' notice by the employer to the authorized representative of the contractor in this regard. For all practical purposes, the authorized representative for the contractor shall be Mr., Engineer of the Company vide Employee no.

6. Grievance redressal during AMC of Chiller

The designation and address of the First Appellate Authority is Dir (O& S), JAIPUR METRO RAIL CORPORATION, JAIPUR.

The designation and address of the Second Appellate Authority is MD, JAIPUR METRO RAIL CORPORATION, JAIPUR.

(1) Filing an appeal

If any Bidder or prospective bidder is aggrieved that any decision, action or omission of the Procuring Entity is in contravention to the provisions of the Act or the Rules or the Guidelines issued there under, he may file an appeal to First Appellate Authority, as specified in the Bidding Document within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved:

Provided that after the declaration of a Bidder as successful the appeal may be filed only by a Bidder who has participated in procurement proceedings:

Provided further that in case a Procuring Entity evaluates the Technical Bids before the opening of the Financial Bids, an appeal related to the matter of Financial Bids may be filed only by a Bidder whose Technical Bid is found to be acceptable.

- (2) The officer to whom an appeal is filed under Para (1) shall deal with the appeal as expeditiously as possible and shall endeavour to dispose it within thirty days from the date of the appeal.
- (3) If the officer designated under Para (1) fails to dispose of the appeal filed within the period specified in Para (2), or if the Bidder or prospective bidder or the Procuring Entity is aggrieved by the order passed by the First Appellate Authority, the Bidder or prospective bidder or the Procuring Entity, as the case may be, may file a second appeal to Second

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Appellate Authority specified in the Bidding Document in this behalf within fifteen days from the expiry of the period specified in Para (2) or of the date of receipt of the order passed by the First Appellate Authority, as the case may be.

(4) Appeal not to be in certain cases

No appeal shall lie against any decision of the Procuring Entity relating to the following matters, namely:-

- (a) determination of need of procurement;
- (b) provisions limiting participation of Bidders in the Bid process;
- (c) the decision of whether or not to enter into negotiations;
- (d) cancellation of a procurement process;
- (e) Applicability of the provisions of confidentiality.

(4) Form of Appeal

- (a) An appeal under Para (1) or (3) above shall be in the annexed Form along with as many copies as there are respondents in the appeal.
- (b) Every appeal shall be accompanied by an order appealed against, if any, affidavit verifying the facts stated in the appeal and proof of payment of fee.
- (c) Every appeal may be presented to First Appellate Authority or Second Appellate Authority, as the case may be, in person or through registered post or authorized representative.

(5) Fee for filing appeal

- (a) Fee for first appeal shall be rupees two thousand five hundred and for second appeal shall be rupees ten thousand, which shall be non-refundable.
- (b) The fee shall be paid in the form of bank demand draft or banker's cheque of a Scheduled Bank in India payable in the name of Appellate Authority concerned.

(6) Procedure for disposal of appeal

- (a) The First Appellate Authority or Second Appellate Authority, as the case may be, upon filing of appeal, shall issue notice accompanied by copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.
- (b) On the date fixed for hearing, the First Appellate Authority or Second Appellate Authority, as the case may be, shall,-
 - (i) Hear all the parties to appeal present before him; and
 - (ii) Peruse or inspect documents, relevant records or copies thereof relating to the matter.

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- (c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.
- (d) The order passed under sub-clause (c) above shall also be placed on the State Public Procurement Portal.

Memorandum of Appeal under the Rajasthan Transparency in Public Procurement Act, 2012

Appeal Noof

Before the (First / Second Appellate Authority)

1. Particulars of appellant:

- (i) Name of the appellant:
- (ii) Official address, if any:
- (iii) Residential address:

2. Name and address of the respondent(s):

- (i)
- (ii)
- (iii)

3. Number and date of the order appealed against and name and designation of the officer / authority who passed the order (enclose copy), or a statement of a decision, action or omission of the Procuring Entity in contravention to the provisions of the Act by which the appellant is aggrieved:

4. If the Appellant proposes to be represented by a representative, the name and postal address of the representative:

5. Number of affidavits and documents enclosed with the appeal:

6. Grounds of appeal:

.....
.....(Supported by an affidavit)

7. Prayer:

.....

Place

Date

Signature

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7. Technical cum Financial Bid: -**BILL OF QUANTITY (BOQ)**

Sr. No	Description of Item	Unit	Qty. (A)	Unit Rate (B)	Total Amount (C=A*B)	GST %	GST Amount (D=C*GST %)	Amount Including GST (E=C+D) (In ₹)
1	Labour Annual Maintenance Contract for McQuay Water cooled chillers for First Year (Model: PFS1701DARY)	Nos.	3					
2	Labour Annual Maintenance Contract for McQuay Water cooled chillers for Second Year (Model: PFS1701DARY)	Nos.	3					
3	Labour Annual Maintenance Contract for McQuay Water cooled chillers for Third Year (Model: PFS1701DARY)	Nos.	3					
Total Cost in ₹								
Total Cost in ₹ (in words):								

NOTE: The rates quoted shall be FOR Mansarovar Metro Depot, Jaipur-302020, inclusive of all expenses i.e. all taxes (excluding GST), and transportation charges etc; no other charges shall be paid by JMRC.

(With seal of firm)

Signature of firm representative

GST No. - _____