

## **AMC for Laminar Airflow**

SAC is involved in Hi-Rel Fabrication of PCB wiring and assembly for Satellite Payloads. For Hi-Rel Fabrication, Laminar Flow Tables are required to be maintained properly in clean room. This is the proposal for maintenance of Laminar Flow Tables and air shower in clean room.

### **1) SCOPE OF WORK:**

- I. The contractor has to keep the units up-date against our regular and breakdown call as and when required within 24 hours.
- II. The contractor shall also carry out motor and other allied repairs, after obtaining the approval of SAC designated contact person.
- III. It is the responsibility of contractor to keep system in good working condition with minimum down time.
- IV. The contractor has to do FOUR services in the year as per following program:  
 Routine Maintenance Service: four times in a year, once at every three months as per details given below:

SN	Type of work	Unit	Quantum of work/ Scope of work/ No. of Days for which services to be deployed
1	Servicing and Preventive maintenance visit	Four times in a year	Minimum Two working day for each preventive maintenance work or until work will be completed
2	Breakdown maintenance visit	As and when required in breakdown	As per the quantum of work (No fixed days will be there)-so work should be completed

- A. Pre filter cleaning ( with compressed air & water )
- B. Plenum cleaning
- C. Blower motor check up
- D. Blower damper setting as required after measuring velocity
- E. Rexene connector checking
- F. Manometer oil felling and checking other related parameters
- G. Oiling & greasing of the moving parts ( motor )
- H. Particle count test, DOP test, Sound level test, light Intensity Test, Velocity measurement at every service
- I. ESD check for all the laminar tables
- V. Calibrate all the measurement equipment's and same should be supported by valid calibration certificate
- VI. Provide emergency breakdown service within 24 hours as and when required by SAC.
- VII. Prepare a service report after each service, containing the details of all the work performed during the visit, duly countersigned by the focal person.
- VIII. Minor repairing and replacement of minor items should be done free of cost.
- IX. All the tube lights of all workstations to be replaced in case of non-working condition.
- X. If Found any problem in clean room, vendor should come and visit the area and to solve the problem
- XI. Any problem regarding any parts of laminar table/storage cabinet i.e. tube light, blower, HEPA filter, ext. board vendor should be ready to solve it.
- XII. Vendor have to visit regularly to SAC campus to verify whether all the instruments or air shower is working normal or not.
- XIII. All the storage racks of the laminar storage cupboard should be perfect and in aligned condition. If found damaged or misaligned vendor should change it.
- XIV. Vendor should check all the limit switch of storage cabinet and need to replace the limit switch in every service and whenever found faulty.

- XV. Vendor should also take care of storage cabinet handle, levers, magnets etc. 2.16 Technician of vendor should be made available in SAC campus for any emergency repairing work.
- XVI. Technician of vendor should be made available in SAC campus for any emergency repairing work.

### **3. Payment**

- Payment of AMC charges shall be made on completion of each RMS (Routine Maintenance Service) on pro-rata basis. The contractor shall submit the bill/ invoice with certificate of successful completion of the RMS.
- Payment for spares, if any, replaced during currency of the AMC shall be made within 30 days of completion of such replacement.
- The payment towards RMS/breakdown visit and spare parts replacement shall be made against submission of invoice/ bill in original certified by focal person and duly approved by divisional head along with job completion voucher to the effect that the services are completed satisfactorily to the accounts officer.
- Since this is a service contract, hence no MIRV will be generated.
- In case of major spare needs replacement at the time of servicing of the system, with prior approval from end user, the cost of the same will be paid extra at actual by SAC against submission of the original bill duly certified by head of division. The worn out parts shall be SAC property. Moreover Spare part payment is included in total PO amount.

### **4. down time compensation**

- The routine visit/break down calls shall be attended to preferably on the same day. In case the service/breakdown calls are not attended in time i.e. within two days of intimation, down-time compensation at the rate of 0.5%( of the annual maintenance charges) per day shall be recovered from vendor.

### **5. Termination of Contract**

- SAC reserves the right to terminate the contract if the performance of the contractor is found to be unsatisfactory during its period of the contract by giving one month's notice in writing without any financial implications on either side.
- SAC reserves the right to enter into parallel contract simultaneously or at any time during the period of the contract with one or more vendors.

### **6. General**

- Utmost care should be taken by vendor service personnel while carrying out the job and ensure the safety of neighbouring instrument or whatsoever of SAC property.
- In the event of damages our property or personal injury to our/ your personnel due to the negligence of your employee, the responsibility shall be solely rest with vendor.
- SAC shall not be responsible for the loss of life of your personnel at the time of performance of contract at our premises due to natural calamities / accident explosion, if any.
- The servicing shall be carried out during normal working days (Monday to Friday except public holidays) between 9.30 to 18.00 hours

### **7. Period of the contract**

The service contract shall be valid of two years from the date of this contract and may be extended for a further period of one year with the same terms and conditions, if/as required by mutual agreement in writing subject to the satisfactory service performance of the contractor.

## **8. Contract awarding criteria:**

- PO will be given to party who will be technically complying as per compliance table in totality.
- L1 vendor will be awarded the contract .
- L1 will be selected for total requirement, based on lowest quote **in table (A).**
- For L1 selection, **sum of the price quoted in the table (A) will be taken (i.e. Total Maintenance cost for 2 year including all Taxes)**, and who ever will be lowest, will be considered as final L1.
- Price must be quoted in table (B) also, which is the rate of spare, which are totally need basis.
- Vendors, who will not quote for spares in table B, those offers, will be rejected.