	<b>TENDER DOCUMENT FOR PHARMACEUTICAL MACHINERY &amp; LAB EQUIPMENT</b>	Tender Document No. GIA-06 Vers. 04
		1

**RAJASTHAN DRUGS & PHARMACEUTICALS LIMITED**

**Road No. 12, V.K. I Area, Jaipur- 302013**


**Ph.: 0141-4107104, 4035468 Fax: 0141-4107101 Email: [purchase@rdpl-india.in](mailto:purchase@rdpl-india.in)**

**Tender for Purchase of Pharma Machinery & Lab Equipments**

Sealed tenders are invited for purchase of Pharmaceutical Machinery & Lab Equipments of GMP/GLP Standard. Interested parties may obtain tender documents with detailed specifications and commercial terms and conditions of supply from manager (Materials) on any working day up to 3.00 PM on 05/10/2015 on payment of Rs. 100/- (Rs. One hundred only) in cash/ Demand draft in favor of "Rajasthan Drugs & Pharmaceuticals Ltd." payable at Jaipur. Tender duly completed with requisite documents and earnest money deposit equivalent to 2% of value of machineries/lab equipments offered must reach the undersigned up to 3 PM on 05/10/2015. The technical bid shall be opened at 4.00 PM on the same day presence of representatives of the bidders if available. The date of opening of financial bid of the technically qualified bidders will be informed later on. The company reserves the rights to accept or reject any offer without assigning any reason. For further details, please visit our website: [www.rdpl-india.in](http://www.rdpl-india.in).

**Factory Manager**

**Date -11/09/2015**

	<b>TENDER DOCUMENT FOR PHARMACEUTICAL MACHINERY &amp; LAB EQUIPMENT</b>	Tender Document No. GIA-06 Vers. 04
		2

## INDEX-SHEET

Sr. No.	Description	Page No.
1	Notice Inviting Tender	1
2	List of Item	3
3	Bidders Eligibility Criteria	3
4	Terms and Conditions	3-7
5	Technical Specifications	8-14

	<b>TENDER DOCUMENT FOR PHARMACEUTICAL MACHINERY &amp; LAB EQUIPMENT</b>	Tender Document No. GIA-06 Vers. 04
		3

## 1. List of Items

Sr. No.	Items	Qty
1	Emergency light	15 Nos.
2	Clean Garment Cabinet	01 Nos.
3	Fumigator	01 Nos.
4	Tray Dryer	01 Nos.
5	Air Curtain	07 Nos.
6	Dynamic Pass Boxes	02 Nos.
7	HPLC Columns	10 Nos.
8	Room Type Incubator	02 Nos.
9	Integrated Quaternary HPLC SYSTEM	01 Nos.

## 2. Eligibility criteria

The bidder eligibility shall be evaluated on following lines -

1. Bidders should have minimum five orders for the quoted machinery/ lab equipment's.
2. Bidders should submit work completion / satisfactory performance certificate of the quoted machineries/lab equipment's from five users.
3. Inspection may be carried out at user end by RDPL to access the performance of quoted machinery/lab equipments from past users.
4. Bidders have to specifically mention in the technical bid about extended. Comprehensive warranty of the quoted machineries/lab equipments.

Above information along with supporting documents should be enclosed with the technical bid.

## 3. TERMS & CONDITIONS

- 3.1. The Quotation / Offer must be sent in two bid system i.e technical bid and financial bid separate for separate Pharmaceutical Machinery & Lab Equipment and mention the name of quoted item on financial bid sealed envelope. The technical bid shall consist all technical information of the quoted machineries/ equipment's and information required as per the eligibility criteria. This shall also contain the EMD and tender fees ( if the tender is download from the web-site). For any deviation from specifications, the bidder may enclose the deviation sheet along with the technical bid. This complete information may be enclosed in a sealed envelope, and marked as "TECHNICAL BID FOR PHARMACEUTICALS MACHINERY/ LAB EQUIPMENT". The financial bid shall carry the quoted rates for pharmaceutical machineries/lab equipment. This must be sealed in a separate envelop and marked as "FINANCIAL BID



**TENDER DOCUMENT FOR PHARMACEUTICAL  
MACHINERY & LAB EQUIPMENT**

Tender  
Document No.  
GIA-06 Vers. 04

4

FOR PHARMACEUTICALS MACHINERY/ LAB EQUIPMENT ". Both the envelop of technical and financial bid may be sealed in a single envelop marking on top as "Tender for Pharmaceutical Machineries and Lab Equipment's due on 05/10/2015" The company will inform to technically qualified bidder for opening of financial bid. MANAGEMENT RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OFFER WITHOUT ASSIGNING ANY REASON .

3.2. The rate should be quoted as F.O.R. Jaipur at our works at Road No. 12, V.K.I. AREA, Jaipur-302013.

3.3. The quotations must accompany with an Earnest Money Deposit of 2% of Total Value of items quoted for in favour of Rajasthan Drugs & Pharmaceuticals Ltd. payable by **Demand Draft** at Jaipur. This earnest money shall however, automatically be converted into Security Deposit immediately after acceptance of the offer of the party & placement of the purchase order. This is required for proper fulfillment of the order's terms and conditions and the purchaser reserves the right to forfeit this amount in case the supplier does not comply with the obligations of the terms and conditions of the purchase order. The tenders without EMD are liable to be rejected.

3.4. The offer shall be kept valid for a period of minimum 90 days from the date of opening of tenders. Tenders not giving the required validity period may be rejected at the discretion of purchaser.

3.5. The rates quoted must be inclusive of all the expenses like packing, forwarding, insurance, cartage and freight etc. to be borne by the supplier. The details of Excise Duty and Sales Tax / any other local tax/levy must be clearly mentioned in the price offer.


3.6. **The delivery period shall be the essence of the order.** The delivery period should be specified very clearly and the supplier has to adhere to the delivery schedule prescribed, failing which they will have to pay liquidated damages/ penalties. It should be noted that the delivery period stipulated in the order includes the transit period also.

3.7. **PENALTY :**

Delayed supplies of goods beyond the stipulated period entail imposition of penalty at the following rates:

<u>Delay in days</u>	<u>Rate of penalty</u>
upto 7 days	0.50%
8 to 15 days	1.00%
16 to 30 days	2.00%
Over 30 days to a max. of 60 days	5.00%

The rate of penalty shall be applicable on the ordered prices of goods. Delivery period may be extended with or without liquidated damages by the company on consideration of advance request by the supplier for genuine reasons.

	<b>TENDER DOCUMENT FOR PHARMACEUTICAL MACHINERY &amp; LAB EQUIPMENT</b>	Tender Document No. GIA-06 Vers. 04
		5

**3.8. RISK PURCHASE :**

Non-Supply or failure to supply the material with the agreed delivery period shall cause risk purchase at the cost of supplier. In such cases, the purchaser has the right to recover the cost and damage incurred from the defaulter supplier. However, no financial advantage shall be passed on to the supplier if goods are purchased at lower rates. In the event of failure to supply the machinery by the supplier against purchase order the amount of security deposit shall be seized by the company.

**3.9. PAYMENT TERMS :**

Normally 100% payment shall be made within 60 days after receipt of material, subject to acceptance of material, provided bank guarantee for 10% value of the material towards performance guarantee (having validity for one year at least) is given by the supplier as per clause No.10 below. However, the payment terms offered by the tenderer being otherwise different than the above, shall be subject to the acceptance by the company.

**3.10. PERFORMANCE GUARANTEE :** In case of supply of machines and equipment, the supplier will have to submit a performance guarantee (of 10% value of the machine by Bank Guarantee valid for a period of one year ) for smooth working and trouble free operation of the equipment for a period of minimum one year,

**3.11. PRICE ESCALATION :** The price escalation clause shall not be applicable.

**3.12. ACCEPTANCE OF PURCHASE ORDER :** The supplier should ensure to send the acknowledgment immediately on receipt of purchase order. The unconditional confirmation of receipt of purchase order may be faxed.

**3.13 INVOICE/ BILL:**

3.13.1 Invoice/Bill should be duly signed, clearly marked and properly made with regard to description, specifications and quantity of goods, invoice should be sent in triplicate to the RDPL , Jaipur.

3.13.2 Excise Duty whether inclusive or exclusive in the price invoiced shall be payable only on receipt of duly authenticated copy of central Excise Gate pass - Invoice.


3.13.3 Sales Tax Regn. No. or TIN No. must be printed on the invoice/bill, failing which, no sales-tax will be paid.

3.13.4 Invoice /Bill must indicate the Number and date of consignment note or challan, including the name of carrier.

3.13.5 Purchase Order No. and date should invariably be quoted by the supplier in all correspondence relating to supplies.

 <b>RDPL</b>	<b>TENDER DOCUMENT FOR PHARMACEUTICAL MACHINERY &amp; LAB EQUIPMENT</b>	Tender Document No. GIA-06 Vers. 04
		6

- 3.14. **TEST CERTIFICATES:** Test, Guarantee, Warranty, Performance Certificate, or any other documents evidencing or testifying the quality, specification or description of goods should invariably be sent along with the dispatch documents. Payments are liable to be with-held in case non-compliance. Supplier has to arrange Design Qualification, Installation Qualification, Operational Qualification & Performance Qualification documents as per WHO GMP norms.
- 3.15. **REJECTION & REMOVAL OF GOODS :** The declaration of rejection of goods by our inspecting officer shall be final and binding and shall be intimated to the supplier within fifteen days of the receipt of material , rejected goods shall be replaced by the supplier at his own risk and cost. The rejected goods are to be removed by the supplier at his own risk and cost within a period of one week from the date of rejection intimation received by them.
- 3.16. In case tenderer offers machinery having different specifications, separate sheets with full details thereof with price, etc. should be annexed.
- 3.17. Any other terms and conditions, if mentioned by the tenderer, shall be subject to approval by the company.
- 3.18. **ARBITRATION:** All disputes arising out of this order shall be referred to an arbitrator to be nominated by the Managing Director, RDPL, JAIPUR. The award of the arbitrator shall be final and binding on both the parties.
- 3.19. **LEGAL PROCEEDINGS:** All disputes and legal proceedings arising out of this order shall be lodged and admissible in Jaipur Courts only and not outside Jaipur.
- 3.20. **Special Terms and conditions -**
- (i) All SS welding should be ground back and SS surface polished to smooth finish.
  - (ii) All product contact surfaces are mirror finished.
  - (iii) Machine should be provided with safety features, interlocks & details to be submitted along with the bid.
  - (iv) The General Arrangement (GA drawing) drawing should be enclosed along with the technical bid.
  - (v) Main Power supply cables shall be supplied by RDPL & therefore should be excluded from the scope of supply.
  - (vi) No Extra cost shall be paid for validation documents (DQ, IQ, OQ & PQ).
  - (vii) Optional items may be quoted separately.
  - (viii) The time is the essence of the contract. The machine/equipments is to be supplied with in 3 months time from the date of technically & commercially clear purchase order.
  - (ix) PLC/MMI based machinery/lab equipments should be 21 CFR 11 compliant.

	<b>TENDER DOCUMENT FOR PHARMACEUTICAL MACHINERY &amp; LAB EQUIPMENT</b>	Tender Document No. GIA-06 Vers. 04
		7

3.21. **Scope of Standard Documentation-following documents should be submitted with the machine/equipments -**

- a. Material Test certificate for contact parts
- b. Installation & Maintenance Manual
- c. Spare Part List
- d. Warranty Certificate of machine
- e. Certificates, Manual for Brought out items
- f. Electrical Circuit Diagram
- g. Schematic Diagram of machine showing Overall Dimensions
- h. Calibration certificates of the instruments.
- i. Documentation- DQ, OQ, IQ & PQ as per the WHO GMP/GLP Guide Lines

Note: - 1) Please furnish the list of users for machinery quoted in the tender by giving their complete address phone Nos. and the name of contact person.

**For, Rajasthan Drugs & Pharmaceutical Ltd.,**

Factory Manager

ABOVE TERMS ARE ACCEPTED

(Signature of Tenderer /Supplier)  
with rubber stamp

Date: -

	<b>TENDER DOCUMENT FOR PHARMACEUTICAL MACHINERY &amp; LAB EQUIPMENT</b>	Tender Document No. GIA-06 Vers. 04
		8

#### **4. TECHNICAL SPECIFICATIONS**

##### **4.1. EMERGENCY LIGHT QTY-15 NOS.**

Power supply AC 220 – 240 V 50 Hz  
Recharging time 20-24 hours  
Built in battery 6V 2.8 Ah sealed lead acid maintenance free rechargeable battery  
Led extra bright 40 units  
Duration time 40 LED 12 hours

##### **4.2. SCOPE-SUPPLY OF CLEAN GARMENT STORAGE (MICROBIOLOGY LAB.) QTY-01 NOS.**

###### **Specification for Clean garment storage (Microbiology Lab.)**

1.2 meter, 18 gauge electro galvanized steel body with white over backed epoxy powder coated cabinet.

Size- 52." x 29.1 "x88.2"

Capacity- 16 garment Hanger

ELECTRICITY- 220-240 V, 50 HZ.

##### **4.3. SCOPE-SUPPLY OF FUMIGATOR (MICROBIOLOGY LAB.) QTY-01 NOS.**

###### **Specification for Fumigator (Microbiology Lab.)**

Laboratory fumigator dispenser consistent particle size generation of 5-15  $\mu$ , better and should be compatible with wide range of disinfectant in a closed room.

Design- Vortex type. Non rotating and non closing nozzle.

Tank Capacity- 5 liter. Easy clean, detachable and non corrosive for chemical

ELECTRICAL - 200-270V, 50 HZ.





**TENDER DOCUMENT FOR PHARMACEUTICAL  
MACHINERY & LAB EQUIPMENT**

Tender  
Document No.  
GIA-06 Vers. 04

9

**4.4. SCOPE-SUPPLY, INSTALLATION AND COMMISSIONING OF TRAY  
DRIER QTY.- 01 NO.**

**SPECIFICATION OF TRAY DRIER**

GMP Model with 48 trays  
Material of construction 316/304  
Trays constructed of 1mm (20Gage) SS316L, electrically operated.  
Electrical connections, Flame Proof with all safety arrangements  
Size of trays B32''X w16''X H1.25''  
Dryer size D41''Xw75''XH57''  
Trolley size D36''x W33'' X H64'' without wheels

CONTROL PANEL--- 96MMX96MM DIGITAL TEMPERATURE CONTROLLER  
TO INDICATE INNER TEMPERATURE PUSH BUTTON STARTER MAKE LNT  
FOR FLAME PROOF MOTOR MAKE CROMPTON/NGEF 1HP 1440RPM, 3 PH,  
HEATING LOAD 12KW WITH INDICATOR LAMPS, MCV 60M TERMINAL  
CLAD WITH COMPLETE WIRING ETC.

**4.5.AIR CURTAIN QTY-07 NOS.**

Size-

1. 4 ft. – qty. 2 nos.
2. 5 ft. – qty. 4 nos.
3. 3 ft. – qty. 1 nos.

**4.6. DYNAMIC PASS BOX QTY-02 NOS.**

Dimensions –

Work area dimension (L x W x H)

610X610X610 MM

**Material of construction-** S.S 304/316 PVC coated matt finish or CRCA powder coated with RAL9002 colour shade.

**Suction filter –**

Filter casing – S.S 304/316 flange type

Efficiency 99.999% down to .001 micron (EU14 Rating).

Media – non-woven synthetic media sandwiched between two layers of high density polyethylene mesh


**Supply Filter -**

Filter casing – aluminium factory extruded section.

Efficiency – 99.999% down to .0001 micron (EU14 Rating).

Media – Micro fiberglass paper media (imported) pleated along with hot melt glue.

**Blow Motor Assembly –**

	<b>TENDER DOCUMENT FOR PHARMACEUTICAL MACHINERY &amp; LAB EQUIPMENT</b>	Tender Document No. GIA-06 Vers. 04
		10

EBM NADI make, 230 Volts, 50 Hz, Single phase imported blower along with inbuilt motor.

**Accessories –**

Hour meter connected to UV light.

Door handles

Magnehelic/minihelic pressure guage.

**Electricals -**

8/20w, fluorescent light with milky diffuser.

8/15, UV light along with hour meter.

12 Volt, electromagnet for door interlocking.

12 Volt Buzzer

12 Volt indicator lamps.

16 Amps three pin top along with connection cable.

**Accessories made available :**

-Mechanical interlocking

-UV light with hour meter with interlocking arrangements to put-off UV light if any of the door opens.

-Floor mounted construction with three side wall structure & door drop seal

-Support stand for mounting the pass box.

-Flange for filling the gap between the pass box and the clean room wall.

-Audio / Visual alarm for blower tripping with fault acknowledgement and reset switch.

-Clean down timer with operation hold indicator and interlocking to put on fluorescent lights only after clean down time over.

-Fluorescent light with interlocking arrangement to put on light when the doors are in closed position.

**Operating conditions –**

Air velocities .045±.05 mps

Air flow – Vertical – Recirculatory

Noise level – less than 67 db.

Vibration level – minimum

Power supply 230 V AC 1-Ø 50 HZ.



**TENDER DOCUMENT FOR PHARMACEUTICAL  
MACHINERY & LAB EQUIPMENT**

Tender  
Document No.  
GIA-06 Vers. 04

11


**4.7.HPLC COLUMNS QTY-10 NOS.**

**Specification of HPLC Columns**

S. No.	Column Name	Column Size (In mm)	Partical size (In $\mu\text{m}$ )	Nos.
1	Octadecyl (C-18)	250x4.6	5	2
2	Octadecyl (C-18)	150x4.6	5	2
3	Octyl (C-8)	250x4.6	5	1
4	Octyl (C-8)	150x4.6	5	1
5	Silica Column	250x4.6	5	1
6	Phenyl Column	250x4.6	5	1
7	Cyanopropyl column	250x4.6	5	1
8	Styrene-divinyl benzene copolymer	250x4.6	8 to 10	1

Note:- Wide pH range and higher temperature range shell be preferred.

Brands for First four columns:- Phenominix, Waters (Xtrra or Symmetry), Agilant or Thermo.

 <b>TENDER DOCUMENT FOR PHARMACEUTICAL MACHINERY &amp; LAB EQUIPMENT</b>	Tender Document No. GIA-06 Vers. 04
	12

**4.8. ROOM TYPE INCUBATOR QTY-02 NOS.**

Specification of laboratory Incubator

Features:-

- External is constructed from sheet steel with powder coated paint
- Aluminium coated mild stainless steel chamber. Fitted with runner and removable chrome plate
- Gravity convection provides gentle air flow and minimal drying out
- Temperatures at or below ambient: +5° to 75°C
- Digital control system
- Intuitive user interface for setting temperature
- Double door
- Large, easy to read vacuum fluorescent display
- Internal glass door allows sample viewing without impacting temperature
- Exceptionally small footprint
- Temperature uniformity of  $\pm 0.6^{\circ}\text{C}$  (at 37°C)
- Temperature stability of  $\pm 0.2^{\circ}\text{C}$  (at 37°C)
- Easy to clean, corrosion-resistant stainless-steel interior.
- Fan circulation

Specification:-

Capacity :- 75 liters

Chamber dimension(cms)	external dimension (cms)
H X W X D	H X W X CD
42 X 53 X 45	57 X 85 X 47

Number of shelves three.



**TENDER DOCUMENT FOR PHARMACEUTICAL  
MACHINERY & LAB EQUIPMENT**

Tender  
Document No.  
GIA-06 Vers. 04

13

**4.9. Integrated Quaternary HPLC SYSTEM**

**SPECIFICATIONS FOR INTEGRATED QUATERNARY HIGH  
PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC) SYSTEM**

HPLC system consisting of Quaternary Gradient pump, Integrated Auto Injector, Online Degasser, Column Heater, UV-Vis Detector with software and accessories.

**QUATERNARY GRADIENT PUMP :**

4-Channel facility in pump with pistons  
Able to work as Isocratic and quaternary mode  
Automatic Gradient Profiles facility  
Composition Precision :  $\pm 0.15\%$  or less  
Composition Range : 0 to 100%  
Composition Accuracy :  $\pm 0.5\%$   
Operating flow range : 0.01 – 10.00ml/min, in 0.01 increments  
Flow Precision :  $\leq 0.075\%$   
Flow Accuracy :  $\pm 1\%$   
Suitable On-Line Degasser 4 line or more.

**Auto sampler with Auto Injector**

Number of sample Capacity : 100 vials or more  
Number of sample Injections : 1-30 per vials or more  
Sample Injection Precision : 0.5% RSD  
Sample Carryover : Not more than 0.01% from previous injection  
Injection Volume Range : 0.1-100 $\mu$ l and up to 2000 $\mu$ l  
Injection Accuracy :  $\pm 1\%$

Inbuilt Sample Temperature Control facility should be available.

**Column Oven :**

Temperature Control Range : upto 80° C or more

**DETECTORS : UV-Vis. Detector**

Wavelength Range : 190-700nm  
Light Source : Deuterium Lamp  
Noise :  $\pm 0.50 \times 10^{-4}$  AU  
Bandwidth : 5nm to 8 nm  
Drift :  $\leq 1 \times 10^{-3}$  AU  
Data Rate : 80 Hz or More  
Detector linearity  $\leq 5\%$



**TENDER DOCUMENT FOR PHARMACEUTICAL  
MACHINERY & LAB EQUIPMENT**

Tender  
Document No.  
GIA-06 Vers. 04

14

Software

To control, acquisition, online display, processing peak point integration and reporting  
HPLC data  
Windows environment or suitable  
Data report, online help and wizards  
System suitability min 5 Parameter can be checked  
Template saving & Auto run of templates  
Calibration curves facility  
System suit formula facility  
Single point control of the entire HPLC.  
21 CFR compliance 11

Accessories :

(A) Vials : 1 ml & 2 ml pack of 100 vials

1. Standard warranty of 1 year, price should be given for extended warranty as optional.
2. Price should be quoted F.O.R. Destination.
3. Spare should be provided for next 10 year from the date of discontinuation of quoted model.
4. Price of AMC should also be given as optional after expiry of warranty.