

1. **मिसिल संख्या** **6-51/09- एन.आर.सी.पी.बी / 6978-92** **दिनांक:** 27 / 10 / 09
उपकरण का नाम **हाईब्रिडिजेशन ओवन / शेकर खरीदने हेतु**
अंतिम तिथि **10-11-09**
Specification **Specifications for the Hybridization Oven/Shaker**

One No.

The instrument must be suitable for use in conjunction with radio labelled probes, non-radioactive nucleic acid labeling and detection systems, and protein labeling and detection systems.
Should have temperature controlled oven for the hybridization and incubation of Northern, Southern and Western blots.
Should also be used for gel processing and staining.
Should provide for bottle hybridization to allow minimal probe volumes.
Should possess acrylic/polycarbonate door to minimize exposure to beta radiation.
A choice of hybridization modes should be available to use either a variable speed rotisserie or a platform shaker in the oven.
Capacity (nominal) : 18 liters
Temperature range : ambient +5 to 80°C
Temperature precision: +/- 0.5°C
Temperature fluctuation: +/- 0.1°C (@37°C)
Over temperature cut-out: 1°C over set temperature
Temperature variation: < 0.25°C
Rotational speed range : 2 to 10 rpm
Shaker speed range : 5 to 70 oscillations/min
Overall dimensions : 365 × 430 × 375 mm (W × H × D)
Power rating : 250 W
Net weight : 23.5 kg
Nominal Voltage/Hertz/Amp : 230 V / 50 Hz / 3.1 A

Note: please submit EMD an account of Rs 4000- in the shape of Bank draft/ pay order in favour of Project Director, NRCPB, without EMD quotation will not be accepted.

2. **मिसिल संख्या** **6.50/09. एन.आर.सी.पी.बी / 6963-77** **दिनांक:** 27 / 10 / 09
उपकरण का नाम **वैक्यूम ब्लॉटिंग सिस्टम खरीदने हेतु**
अंतिम तिथि **10-11-09**
Specification **Specifications for vacuum blotting system**

One No.

Should use a low pressure vacuum to transfer nucleic acids from a gel to a transfer
Should ensure optimal transfer of even the genomic DNA digests.
Time taken for transfer should not be more than one hour.
Should have a Liquid Trap Volume 940ml.
Should be convenient and easier to use.
Both the transfer steps should be carried out in the unit.
Acceptable gel size should be up to 20cm x 30cm.
Should have safe, inexpensive and reproducible transfer procedure.
Should have transfer efficiency of 95% and above.
Precise vacuum control for optimal transfer conditions.
Should transfer RNA in less than 4 hours.
Dimensions of the unit (W × D × H): 28 × 38 × 6 cm.
Max. vacuum of vacuum blotting pump: 68 cm Hg.
Vacuum range of vacuum pump: 0-100 mbar.

Power consumption of the pump: 10 W.
Dimensions of the pump (W × D × H) : 16 × 29 × 15 cm.
Vacuum pump should be able to run two units simultaneously.

Note: Please Submit EMD an amount of Rs. 4000/- In the shape of Bank Draft/ Pay Order in favour of Project Director, NRCPB, without EMD Quotation will be not be accepted.

3. मिसिल संख्या
उपकरण का नाम
अंतिम तिथि
Specification

6-52/09- एन.आर.सी.पी.बी / 6933-47
यू वी क्रोसलिंगर एँ यू वी लेम्स खरीदने हेतुं
10-11-09
Specifications for UV crosslinker and UV lamps

दिनांक: 27 / 10 / 09

One No.

Specifications for UV crosslinker

Should have a pull-out drawer.
It should be suitable for UV bonding and photonicing of DNA.
Should be compact which uses minimum laboratory space.
Should have the choice of preset and manual controls for energy or time-limit exposures.
Large LED display and touch keypad.
Should possess UV-blocking window to allow safe viewing of the process.
Microprocessor controlled UV output, ensuring maximum dose consistency.
Energy : 999,900 $\mu\text{J}/\text{cm}^2$
Time : 999.9 min
Unit Dimensions (W x H x D)
External: 40.0 x 22.2 x 34.9 cm (19.1" x 5.6" x 13.25")
Chamber: 25.4 x 12.7 x 30.5 cm (10.0" x 5.0" x 12.0")

Specifications for UV Lamps

Five 8 W 254 nm UV dual bi-pin discharge Type Tubes.

Note: Please Submit EMD an amount of Rs. 4000/- In the shape of Bank Draft/ Pay Order in favour of Project Director, NRCPB, without EMD Quotation will be not be accepted.

4. मिसिल संख्या
उपकरण का नाम
अंतिम तिथि
Specification

6.36/09. एन.आर.सी.पी.बी / 6948-62
डीप फ्रीजर की मरम्मत कराने हेतुं
10.11.09

दिनांक: 27 / 10 / 09

One No.

We intend to get repair of the following Deep Freezer details as given below:

1. Deep Freezer-70°C Thermo Forma make in the common facility Room Ist Floor (Room No. 113) Dr K. P. Singh.
2. Deep Freezer-80°C installed in the lab of Dr. N. K. Singh (Rice Genome).
3. Deep Freezer Model No. 8020, installed in the lab of Dr. S. R. Bhatt.

You are therefore requested to inspect the above units and give your repair estimate with one year guarantee.

Note: Please submit EMD an amount of Rs. 2000/- In the shape of Bank Draft/Pay Order in favour of Project Director, NRCPB without EMD quotation will be not be accepted.