**PART A - Lab Furniture**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No:** | Description | **Unit** | **Qty** | **Rate(in words and figures)** | **Amount** |
| 1 | SS Biosafety Cabinet-1800 mm X 600 mm-Class 2 including Laminar Air Flow as per the picture and detailed specifications. | Each | 1 |  |  |
|  | **Total** |  |  |  |  |

**SECTION-VI**

**Technical specification**

**1.SPECIFICATION OF BIOLOGICAL SAFETY CABINET**

**1 Description of Function**

1.1 Bio safety cabinets are used to provide primary containment in the laboratory when the investigator is using potentially infectious materials.

**2 Operational Requirements**

2.1 Protection for operator, environment and the product, from aerosols and microorganisms

2.2 Microprocessor/Microcontroller/Microcomputer controlled system.

**3 Technical Specifications**

3.1 Outer Body made of SS 304 (dimensions 1800 mmX600 mm) .

3.2 HEPA filters with 99.999% efficiency for particles ³ 0.3 mm (H14 class according to ENI 822)

3.3 Automatic speed compensation system against clogged main HEPA filter Pre-filtration unit with retention of 10 to 15 micro meter

3.4 Air Circulation to vertical with 30% exhaust and 70% recirculation

3.5 Single stainless steel perforated working platform

3.6 Alarms for power failure and door opening

3.7 Should be fitted with UV light > 800 lux

3.8 High-speed centrifugal blower with lifetime lubricated

3.9 Noise level <58dBA, Elapsed hour counter

3.10 DOP test outlet

3.11 Fluorescent lamp to obtain powerful glare-free lighting

3.11 On site installation and appropriate certificate to be provided

3.12 On/Off switch with key lock.

3.13 Gas connection should be provided in the cabinet