ICMR-REGIONAL MEDICAL RESEARCH CENTRE

(Indian Council of Medical Research)
Post Bag No.13, Dollygunj, **PORT BLAIR – 744 101**

Ref.No.1-48/Lab-Work/SLVRDL/RMRC/PB/424 Dated: 08th Aug, 2019

TENDER NOTICE

Sealed quotations are invited by the Centre so as reach this office on or before **5TH** September, 2019 by 04:00 PM to be opened on the same day at 4:30 PM for the work "Modification of the Labs into Molecular and serology diagnostic facility" as detailed below. You are requested to please submit quotation for each work:-

I. Molecular Diagnosis Laboratory

Total Plinth Area: 50 feet x 15 feet

A. Negative pressure rooms

i. Four rooms measuring 7.5 Feet X 10 Feet X 8 Feet (L X W X H) room partitions in the corners of the Molecular Diagnosis Laboratory (please see the rooms 1, 2, 3 & 4 mentioned in the diagram for Molecular Diagnosis Laboratory).
ii. Partitions should be made of GI powder coated puff panel and doors.
iii. All the rooms should be maintained with negative gradient air pressure
iv. Rates should be inclusive for the dismantling of the existing glass partitions in place of the proposed laboratories.

B. Positive pressure rooms

i. Two rooms measuring 7 feet X 10.5 feet X 8 feet with partition (please see the rooms 5 & 6 mentioned in the diagram for Molecular Diagnosis Laboratory)
ii. Partitions should be by using GI powder coated puff panels with 1 meter width curved toughened glasses in all the 4 corners supported with solid metal or powder coated aluminium frame
iii. Doors should be made of GI powder coated puff panel
iv. Both the rooms should be maintained with positive air pressure

C. Semi-automated Round glass door with air shower

i. Roundtoughened glass door entry (10 feet diameter X 8 feet height) attached with the lab 5 & 6 (please see the rooms 7 mentioned in the diagram for Molecular Diagnosis Laboratory) with automated curved double leaf door at both the side.
ii. Semi-automated Round glass door should have laboratory grade air-shower
iii. Air shower should be on the top (6 feet diameter) and a powder coated stage in the corresponding floor area.
iv. Doors should be sliding to both sides with automatic motor operated

D. Roof of the corridor and room Area

i. Total area including all the rooms and corridors should be with roof using GI powder coated puff panels at 8 feet height.

ii. The proposed negative pressure roomsshould be equal to BSL3by using suitable air handling unit with air conditioning to maintain the temperature 22-24^{o}C through HEPA filter with minimum of 12 air change per hour.
iii. Air exhaust should be with the Bag in Bag out provisions
iv. Air exhaust also should have burnout unit to reach the temperature approx. 200^{o}C
v. Illumination of all the rooms should be with LED lights mounted in the panel
vi. UV light provisions to the individual rooms
vii. Electrical points for each equipment should be with double switches at two different locations (one should be inside the specific lab and the other one in the common panel box to operate from outside)

Note:

a. Charges should be inclusive of civil works like removal or demolition (without much damage to the other area) of the existing granite table placed and the proposed rooms 5 &6 and necessary re-plastering at the same place.
b. GI powder coated puff panels should be 50mm thickness. If necessary, it may be increased with the concurrence of the competent authority.

II. Central Lab-2 (Serology Lab):

Total PlinthArea: 35 feet x 15 feet

A. <u>Curve partition in the sides of the work benches</u>
   i. Curved toughened glasses in the 4 corners of the existing Granite work benches should be supported with solid metal or powder coated aluminium frame and connected with a GI powder coated puff panel in both sides of the work benches (please see the rooms 8 & 9 mentioned in the diagram for Serodiagnosis Laboratory)

B. <u>Semi-automated Round glass door with air shower</u>
   i. Round toughened glass door entry (9 feet diameter X 8 feet height) attached with the room no:8 & 9 (please see the rooms 10 mentioned in the diagram for Serodiagnosis Laboratory) with automated curved double leaf door at both the side.
   ii. Semi-automated Round glass door should have laboratory grade air-shower
   iii. Air shower should be on the top (6 feet diameter) and a powder coated stage in the corresponding floor area.
   iv. Doors should be sliding to both sides with automatic motor operated

C. Roof of the corridor and room Area
   i. Total area including all the rooms and corridors should be with roof using GI powder coated puff panels at 8 feet height.
   ii. Illumination for all the rooms should be using LED lights mounted in the panel
   iii. Electrical points for each equipment should be with double switches at two different locations (one should be inside the specific lab and the other one in the common panel box to operate from outside)
   iv. All the working area and rooms should be air-conditioned to maintain the temperature 22-24^{o}C
   v. GI powder coated puff panel wall partition 15 feet X 8 feet (in the existing TB lab) and replacing the existing wooden door including civil works are included
   vi. Illumination of all the rooms should be with LED lights mounted in the panel

III. BSL-3 ground floor

Total PlinthArea: 20 feet x 15 feet

A. Sample Handling Laboratory (Old BSL-3)

i. The existing BSL-3 room roof should be extended in total area of the lab.
ii. The empty area should be made partitions using GI powder coated puff panels with necessary doors as mentioned in the diagram
iii. All the rooms should be maintained with negative gradient air pressure
iv. Illumination for all the rooms should be using LED lights mounted in the panel
v. All the working area including negative pressure rooms should be air-conditioned to maintain the temperature 22-24^{o}C and humidity less than 60%
vi. Air handling may be linked with the molecular diagnosis laboratory for positive and negative air pressure
vii. Air supply and exhaust should be through HEPA filter with minimum of 12 air change per hour.

IV. Windows Modifications

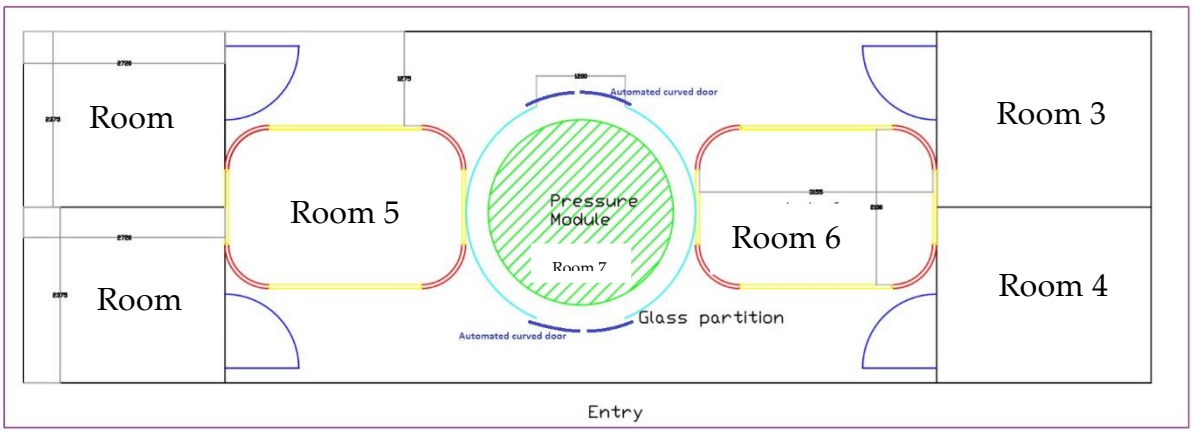
A. Modification of the windows in the front side

i. Fourteen windows (each size approx. 4.3 feet Height X 8 feet Width) in the front view of the ground floor should be replaced with 12mm tinted glass with aluminium frame.
ii. Rates should be inclusive of dismantling the existing old windows.

Common specifications

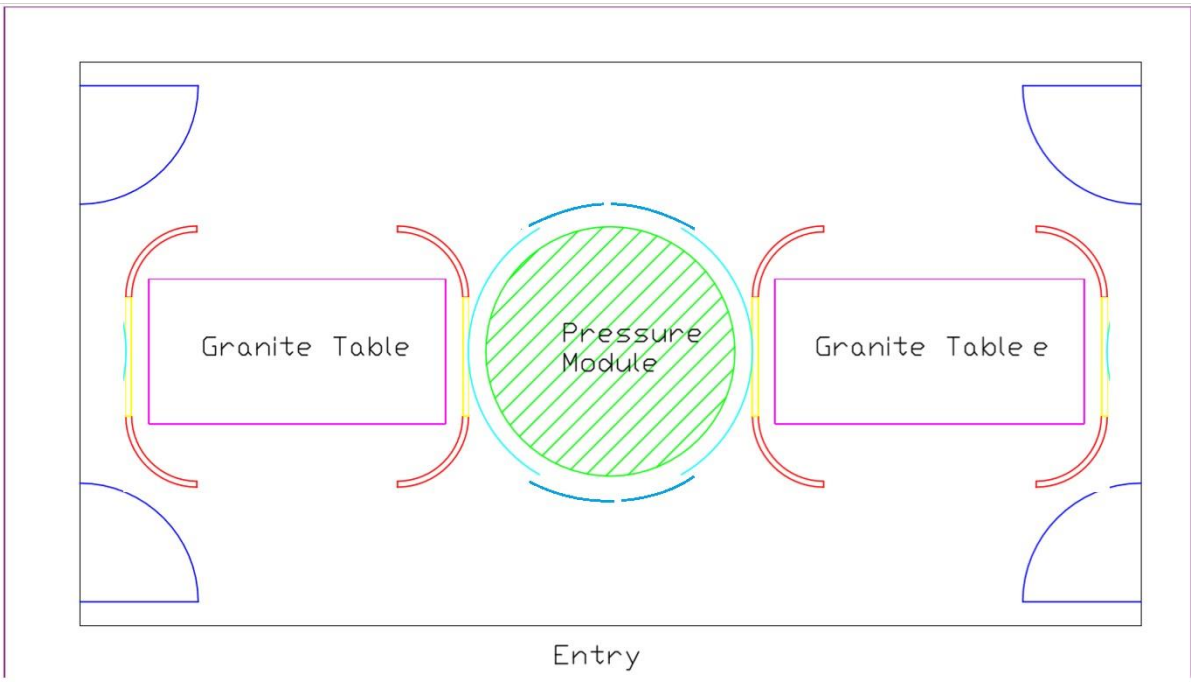
i. Illumination of all the rooms with LED lights mounted in the panel
ii. Necessary electrical points for every room with and without UPS connection facility
iii. Static pass box 4 numbers (inner dimension:1feet X 1feet X 1feet (L X H X W)) are necessary for interconnecting the labs with biosafety procedures (the place for the installation will be earmarked latter).
iv. Class-II A2 Biosafety cabinet 7 numbers with working area of 18 inch X 30 inches (3 numbers) and 20 inch X 36 inches (4 numbers). All the biosafety cabinets must be connected with separate exhaust.
v. Supply of 50 numbers of laboratory suitable revolving chairs for all the proposed labs
vi. Ten numbers of laboratory work table made of rust proof stainless steel (30 inch height X 22 inch width X 36 inches length.
vii. Every room should be provided with wall mounted cupboards (2 feet X 6 feet) (Total 12 no) made of powder coated GI with doors.
viii. All the floor area should be with 3-5 mm Epoxy coating (Colours will be decided latter
ix. All the corners of the partitions should be provided with necessary curve covings inside/outside including floor area
x. Every room should be fabricated with built-in view panels (with the approval of the competent authority)
xi. Intercom facility between labs
xii. CCTV facility in each lab
xiii. Internet node for connecting the computers of the lab
xiv. 4 no of wash basins with the mini storage tank for disinfection of the drain.
xv. The available concrete/cement walls should be painted with hydrophobic (polyurethane) paint material.

1. Molecular Diagnosis Laboratory

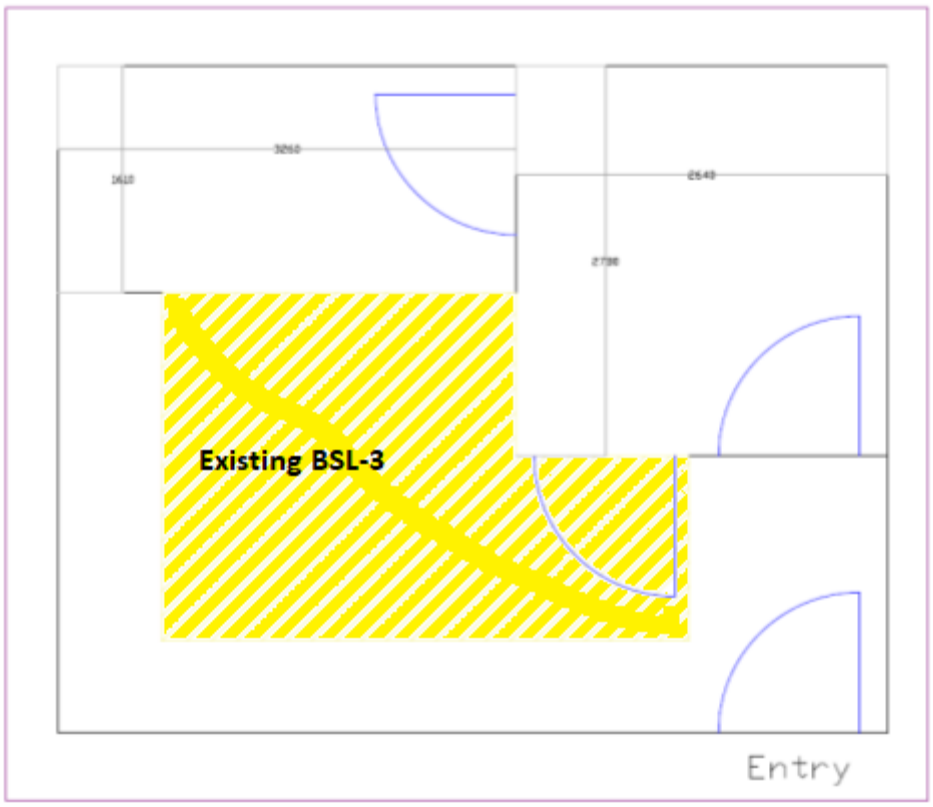


Molecular LAB

2.Serodiagnosis Laboratory



3. Sample Handling Laboratory (Old BSL-3)



Terms and condition:

In submitting your estimate, following particulars should be noted otherwise it may not be considered at all:-

a. The last date for submission of quotation may strictly to be followed.

b. The rates quoted should be inclusive of supply, installation and taxes as applicable.

c. The terms & conditions for supply, installation and warranty period, if any is to be mentioned.

d. The work should be completed in all respect within 30 days on receipt of the work order.

e. The interested may contact or visit the Centre for clarification if any

f. The EMD of 2 % on rate quoted in the shape of demand draft drawn in favour of the Director, ICMR-Regional Medical Research Centre, Port Blair must be enclosed with quotation.

g. The rate should be quoted for each items of each categories

h. The Director of this Centre reserves the right to accept or reject any or all quotations without assigning any reason thereof.

Accounts Officer
For Director