

## विकास विभाग

पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.)



पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ0ग0)

-: निविदा सूचना :-

विश्वविद्यालय के फार्मसी संस्थान में मॉड्यूलर लैब निर्माण हेतु निविदा।

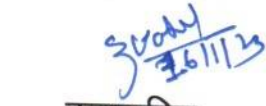
क्र0 54 / विकास / निसू / 2023

रायपुर, दिनांक 16/01/2023

पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर की ओर से निर्माताओं तथा उनके अधिकृत विक्रेताओं से विश्वविद्यालय के फार्मसी संस्थान में मॉड्यूलर लैब निर्माण हेतु सीलबंद लिफाफे में निविदा स्पीड पोस्ट/रजिस्टर्ड डॉक के माध्यम से आमंत्रित किये जाते हैं। इच्छुक फर्म विकास विभाग से कार्यालयीन समय में रु.3000.00 (रूपये तीन हजार मात्र) की रसीद जमा कर निविदा प्रपत्र प्राप्त कर सकते हैं। वेबसाइट से प्राप्त निविदा प्रपत्र रु.3000.00 का बैंक ड्राफ्ट Registrar, Pt. Ravishankar Shukla University, Raipur के नाम से संलग्न करने पर ही मान्य होगा।

निविदा प्रपत्र विक्रय की अंतिम तिथि - दिनांक 15/02/2023 समय 03:00 बजे तक  
निविदा जमा करने की अंतिम तिथि - दिनांक 17/02/2023 समय 03:00 बजे तक  
निविदा खोलने की तिथि - दिनांक 17/02/2023 समय अपरान्ह 04:00 बजे  
निविदा खुलने का स्थान - कुलपति सचिवालय सभागार, पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर

टीप - निविदा का विस्तृत विवरण विश्वविद्यालय के **Website:-www.prsu.ac.in** पर देखा जा सकता है।

  
कुलसचिव

**विकास विभाग**  
**पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.)**

// 02 //

**नियम व शर्तें :-**

01. अमानत राशि रु.1,60,000.00 (रूपये एक लाख साठ हजार मात्र) का सुरक्षा निधि (EMD) Registrar, Pt. Ravishankar Shukla University, Raipur के नाम से डिमांड ड्राफ्ट जमा किया जाना अनिवार्य है।
02. निविदाकर्ता फर्म को पंजीकृत फर्म अथवा पंजीकृत कंपनी अथवा पार्टनरशीप अथवा स्थापना होना अनिवार्य है। संबंधित संस्थान के लिए आवश्यक पंजीयन प्रमाण पत्र प्रस्तुत करना तथा **PAN, GST** नम्बर संबंधित दस्तावेजों की छायाप्रति संलग्न करना अनिवार्य है।
03. निविदाकार द्वारा निर्धारित कार्य समय-सीमा एवं गुणवत्तायुक्त कार्य नहीं करने पर अमानत राशि राजसात कर ली जाएगी।
04. निविदा सीलबंद लिफाफे में स्पीड पोस्ट/रजिस्टर्ड डॉक द्वारा कुलसचिव, पं०रविशंकर शुक्ल विश्वविद्यालय, रायपुर के नाम से जमा करने की **अंतिम तिथि 17/02/2023 को समय 03:00 PM तक** विश्वविद्यालय में प्राप्त हो जाना चाहिए।
05. निर्धारित शर्त एवं नियमों के अनुसार प्राप्त निविदा ही स्वीकार की जावेगी।
06. प्राप्त निविदा (सीलबंद लिफाफा) को विभागीय क्रय समिति की बैठक में निविदाकर्ता की उपस्थिति में दिनांक 17/02/2023 को समय अपराह्न 04:00 बजे से कुलपति सचिवालय के सभागार में खोला जावेगा।
07. निविदा में निहित शर्तों का पालन निविदाकर्ता को करना होगा। निविदाकर्ता द्वारा प्रस्तुत शर्त विश्वविद्यालय को मान्य नहीं होगा।
08. मॉड्यूलर लैब निर्माण हेतु प्रस्तुत किये जाने वाले दरों में सभी प्रकार के करों का स्पष्ट उल्लेख करना होगा।
09. मॉड्यूलर लैब निर्माण हेतु प्रस्तुत किये जाने वाले तकनीकी लिफाफा में अमानत राशि एवं निम्नलिखित दस्तावेजों की छायाप्रति संलग्न करना होगा:-
  1. फर्म द्वारा अमानत राशि रु.1,60,000.00 का डिमांड ड्राफ्ट जमा किया जाना अनिवार्य है।
  2. पेन कार्ड नम्बर की छायाप्रति।
  3. GST संबंधी दस्तावेज संलग्न करना अनिवार्य है/GST रिटर्न की नवीनतम छायाप्रति।
  4. फर्म का रजिस्ट्रेशन सर्टिफिकेट संलग्न करना अनिवार्य है।
  5. निविदाकर्ता को विगत 03 वित्तीय वर्ष 2019-20, 2020-21 एवं 2021-22 के आयकर विवरणी का CA द्वारा प्रमाणित प्रति संलग्न करना अनिवार्य होगा।
  6. आई. एस. आई तथा आईएसओ 9000 प्रमाण-पत्र की छायाप्रति (यदि हो तो)
  7. अनुभव के संबंध में संबंधित फर्म द्वारा शासकीय संस्थाओं में किये गये कार्यों का उल्लेख करते हुए यदि हो तो साक्ष्य के रूप में दस्तावेज की छायाप्रति संलग्न करें।
  8. Black Listed (काली सूची) में न होने का शपथ-पत्र संलग्न करें।
  9. Modular Furniture के कार्य का अनुभव।

**टीप:-** उपरोक्त दस्तावेज सही पाये जाने पर संबंधित फर्म का दर वाला लिफाफा खोला जावेगा।

**विकास विभाग**  
**पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.)**

//03//

10. निविदाकार को निविदा की वस्तुओं का मूल्य तथा जी.एस.टी का अंको एवं शब्दों में सुलेख/सुस्पष्ट रूप से अंकित करना अनिवार्य होगा। उपरीलेखन तथा काट-छाट किये गये निविदा को विचारण क्षेत्र में नहीं रखा जावेगा।
11. निविदाकर्ता को निविदा प्रपत्र 02 लिफाफें क्रमशः "अ" (टेक्निकल बीड) एवं "ब" (फायनेंसियल बीड) में प्रस्तुत करना होगा, लिफाफा "अ" में टेक्निकल बीड जिसमें आवश्यक दस्तावेज तथा सुरक्षा निधि का डिमांड ड्राफ्ट जो Registrar, Pt. Ravishankar Shukla University, Raipur के नाम से देय होगा संलग्न करना अनिवार्य होगा। लिफाफा "ब" में फाइनेंसियल बीड जिसमें प्रत्येक सामग्री की दरें, पृथक-पृथक दर्शित होगी। सेवाकर/जीएसटी टेक्स पृथक से दर्शित करना अनिवार्य होगा। इन दो 'अ' एवं 'ब' लिफाफो को एक लिफाफे जिसमें "मॉड्यूलर लैब निर्माण" लिखा हो उसे भीतर रखकर प्रस्तुत करना होगा। सर्वप्रथम टेक्निकल बीड वाला लिफाफा 'अ' खोला जावेगा। आवश्यक दस्तावेज सही पाये जाने पर ही निविदाकर्ता द्वारा प्रस्तुत फायनेंसियल बीड वाला लिफाफा 'ब' खोला जावेगा अन्यथा निरस्त कर दिया जाएगा।
12. विश्वविद्यालय द्वारा जारी निविदा के संबंध में किसी भी प्रकार की विवाद की स्थिति में कुलपति जी का निर्णय अंतिम एवं सर्वमान्य होगा।
13. दो लैब से कम का रनींग बिल का भुगतान स्वीकार नहीं किया जायेगा।
14. मॉड्यूलर लैब निर्माण कार्य पर अनुमानित व्यय रु.48.00 लाख (अड़तालीस लाख मात्र) होगा।
15. कार्य आदेश प्राप्त करने के एक माह के भीतर कार्य पूर्ण करना होगा।
16. किसी भी प्रकार की विवाद की स्थिति में न्याय निकाय रायपुर न्यायालय होगा।

कुलसचिव

**विकास विभाग**  
पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.),

//04//

## TECHNICAL SPECIFICATIONS OF MODULAR LABORATORY.

S.NO	ITEM DESCRIPTION	QTY	UNIT
1	Laboratory work bench of with storage unit under the worktop		
2	Laboratory work bench of without storage unit under the worktop		
3	Island work bench of comprising of 6 units with under storage and 6 units without under storage.		
4	Wall Cabinets (Over head Units)		
5	Sink (PP Sink)		

### LABORATORY FURNITURE

Scope of Work→ Supply and Installation of Laboratory Workbenches/Storage units including granite worktops and other supporting structures/hardware's based on the specified Make List. This includes delivery to RSU, unloading the consignment and transporting it from the place of storage to the installation site. Supply & Installation of all utility service outlets and accessory fittings, electrical receptacles, plumbing and electrical switches & fittings identified on drawings as mounted on the laboratory furniture. Supply & Installation of all laboratory sinks, bottle traps, drain troughs etc. Supply & Installation of service structures where specified and setting in place reagent shelves of the type shown in the drawings. Removal of debris, dirt and rubbish accumulated as a result of installation/commissioning of the laboratory furniture and accessories and leaving the premises broom clean and orderly.

### Frame Assembly

All Frames assemblies should be manufactured from standard and all **HDRM 18MM BOARD** confirming to IS Code 513:1994.

The Corner Units should fit well with table depths. All frame-work is to be pre-treated with superior pure epoxy powder coated finish.

Electrical supply systems Shelves and Top Units and should be constructed from **18MM HDHMR board** formed with removable covers.

## विकास विभाग

पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.)

// 05 //

Horizontal service boom should be made out of **18 mm HDHMR panels** and should span the length between uprights and should be provided with removable service panels.

Electrical and GDS supplies should be supplied through this horizontal service boom. Boom should be supplied with factory fitted combinations of switch & sockets with 15amps standard grade.

cabinet body should be flush face construction with intersection of vertical and horizontal members like LH and RH side panel along with front horizontal channel, back panel and bottom panel. It should be relocated anywhere easily as it is an independent unit. Cabinet should be of square non-sharp edge construction. Doors should be assembled with SS-304 hinge assembly. Removable back panel should be provided to easily access the service lines running behind the cabinet benches. Intermediate horizontal channels should be provided between door and drawer. Shelf should be eight-bend panel with 20mm height. Drawer tray should be of single piece construction. Drawer should be well supported on LH and RH ball slide suspension system. Steel door and drawer front should be of double wall construction with sound dampening material filled inside. Doors should be easily removable and hinges should be easily replaceable. Knee space panel should be in 22 gauge construction

### WORKTOP

#### GRANITE

It should be 18 mm +/- 2 mm thick, jet black granite with edges having chamfer of 4 x 4 mm on top side. The overhang on the storage cabinet should be 25 mm at the front side and 30 mm at the sides. The backing material used for granite

### WALL CABINETS

Flush face construction with intersection of vertical and horizontal members like LH and RH side panel along with front horizontal channel, back panel and bottom panel. Cabinet should be of square-edge construction. Doors are assembled with SS-304 hinge assembly. Shelf should be eight bend panel with 20mm height. Steel door and drawer front should be of double wall construction with sound dampening material filled inside. Doors should be easily removable and hinges are easily replaceable. Shutters should have glass or made of metal alone depending as per BOQ.

### SINK (PP SINK) POLYPROPYLENE.

It should be made up of 5 mm thick high density and elastic poly propylene with good resistance to organic solvents. PP Bottle-traps should be offered with PP Sinks. Standard bowl size (L x W x D) should be 500 x 400 x 300 mm. 1-way/2-way/3-way Faucet should be provided

//06//

**ELECTRICAL TRUNKING  
SWITCHES AND SOCKETS.**

**विकास विभाग**  
पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.)

- **ALL THE STRUCTURE WORK IS CONSTRUCTED BY HDHRM [HIGH DENSITY HIGH MOISTURE RESISTANCE.**
- **BASE STRUCTURE MADE OF MS PIPE.**

**GENERAL TERMS AND CONDITION FOR PREQUALIFICATION OF BIDDER :-**

- 1] BIDDER SHOULD HAVE EXPERINCE TO WORK WITH ANY GOVERNMENT AND SEMI GOVERNMENT INSTITUTE.**
- 2] IN SUPPORT OF ABOVE ENCLOSE THE COPY OF WORK ORDER OR WORK COMLITION CERTIFICATE ISSUED BY INSTITUTE.**
- 3] The front edge of work surface shall be provided with machine pressed 2mm thick PVC lipping/edge binding.**
- 4] All furniture should be customized factory made completely modular and all the joinery with germen knock down system strictly.**
- 5] All the Lab furniture should be of complete factory made no manual work be allowed or subjected to rejection.**
- 6] Rate includes all the work of electrical and plumbing with outlets no extra payment will be made for any extra item related to lab.**

**SPECIFICATION OF MATERIALS TO BE USED (CIVIL & FURNISHING)**

**1. GI sections**

- Galvanized Iron (GI) sections for false ceiling work, made of 22 gauge GI sheet, for main runners and of 24 gauge, for cross runners.

**2. Aluminum Sections**

- All the Aluminium sections of 18 gauge (1.22mm) and 2½" x 1¼", double track, for frame & 1½" x ¾", plain, for shutters of the sliding windows.

**3. Aluminium Grill**

- Aluminium grill of 10mm diameter rod with 3" x 3" mesh. DG-202

**4. Laminated board**

- 12 mm thick, both side "Natural Teak Wood" laminated, HDMRA confirming to IS:12823. Archid/Greenlam/ASHIS/DURATUFF.

**5. PRELAMINATED BOARD-** HDHMRA Commercial Grade plywood, confirming to ISI Novk, for all the thicknesses. Archid ply/Greenply/Kit ply/ Century ply.

**6. Block Board -** 19mm thick, Commercial Grade plywood, confirming to ISI Archid ply/Greenply/Kit ply/ Century ply.

**7. Laminate -** 1.0 mm thick laminate, Confirming to IS:2046. Signature/Greenlam/Formica/Century/Virgo.

**8. Hardware -** All the necessary hardware (such as nails, screws, adhesives, etc.) shall be of best quality.

**9. Glass -** Plain float glass of all thicknesses. Modi/Saint Gobin/AIS.

**10. Lock -** All the locks – mortise lock & night latch for teak wood doors, mortise (narrow style) for Aluminium doors/windows, multipurpose lock for drawers & shelf shutters – of Godrej make to be used strictly.

**11. Hydraulic door closer -** Hydraulic door closer with adjustment for fast/slow movement. Model no. PC/62 of Hyper make/CPY/Quba/Godrej.

**विकास विभाग**  
पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.)

//08//

- 12.** Floor spring - Floor spring, confirming to IS:6315. Aluminum plate type Hyper make. /CPY/Quba/Godrej
- 13.** Drawer slider - Side mounting, telescopic, steel ball slider. STDS series Sleek telescopic drawer slider of Earl Bihari make/Godrej.
- 14.** Keyboard tray - Ready to use, metal body computer keyboard tray with under sliding mouse tray. KBT series keyboard tray of Earl Bihari.
- 15.** Foam - Rubber foam of all the thickness of Atlas make and 32 density U-foam of all the thickness of Feather Foam make.
- 16.** Water proofing solution - Water repellent solution – “High Last” of Roff make.
- 17.** Teak wood - All the wood needed for doors, beads, battens and mouldings shall be of first quality Teak wood of best quality.
- 18.** Vitrified tiles - 24”x24”, vitrified floor tile. Johnson/Marbitto of premium quality. .
- 19.** Wash basin - 25” x 18”, vitreous china, wash basin, confirming to IS:2556. Item no.- 10001 of Hindware.
- 20.** WC - 23” x 17”, vitreous china, Orissa pan, confirming to IS:2556. Item no.- 10001 of Hindware.
- 21.** GI pipe - B-class GI pipe, for all the diameters. Jindal make.
- 22.** Sink - 14” x 17” bowl size PP sink. Item no. TRH 610-S Trendy of Franke make.
- 23.** Tap & flush cock - CP finish bib cock and pillar cock. CP finish flush cock. Item no.- 50207, 50106 and 51506 of “Long life” series of Plumber make.
- 24.** Paint - (a) Oil bonded synthetic enamel paint for plywood and fabricated MS surfaces. Asian paints make. (b) Acrylic emulsion paint for interior walls. Asian paints make. (c) Waterproof cement paint for exterior walls. (d) Red oxide primer for fabricated MS frames. (e) Pink primer for plywood. (f) Cement primer for interior walls. All the above material shall be used along with suitable putty and Medium of same manufacturer.
- 25.** Vinyl Flooring - 2mm thick vinyl roll, IS:3462.



## विकास विभाग

पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.)  
//09//

**IMPORTANT:** Whenever any of the aforesaid materials of mentioned make/grade/quality/standard/colour is found to be unavoidably difficult in making available, shall immediately be brought into the knowledge of RSU architect/representative and a written permission for an alternative must be Taken.

# विकास विभाग

पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.)

// 10 //

—: दर-अनुसूची :-

01. पं० रविशंकर शुक्ल विश्वविद्यालय के फार्मसी संस्थान में मॉड्यूलर लैब निर्माण करने हेतु निविदा संबंधी सूचना क्रमांक 54/विकास/निसू/2023, रायपुर दिनांक 16/01/2023 के अनुसार समाचार पत्रों में प्रकाशित की गई है। मेरे/हमारे द्वारा निम्नानुसार दरें प्रस्तुत की जा रही हैं—

## ROOM NO.105

S.NO	PARTICULAR	QTY	UNIT	RATE	AMOUNT
1	<b>LABOURATARY MODULAR FURNITURE</b>	<b>12.20</b>	<b>RMTR</b>		
	<p>Supply and Installation of Laboratory Workbenches/Storage units including granite worktops and other supporting /hardware's based on the specified Make List. This includes delivery to RSU, unloading the consignment and transporting it from the place of storage to the installation site. Supply &amp; Installation of all utility service outlets and accessory fittings, electrical receptacles, plumbing and electrical switches &amp; fittings identified on drawings as mounted on the laboratory furniture. Supply &amp; INSTAllation of all laboratory sinks, bottle traps, drain troughs etc. Supply &amp; Installation of service structures where specified and setting in place reagent shelves of the type shown in the drawings. Removal of debris, dirt and rubbish accumulated as a result of nstallation/commissioning of the laboratory furniture and accessories and leaving the premises broom clean and orderly.All Frames assemblies should be manufactured from standard hollow metal sections; confirming to I.S. Code 7138:1973 (Indian Standard specification for steel tubes for furniture) and all HDRM 18MM BOARD confirming to IS Code 513:1994.The suspended under-bench welded units should be supported on heavy-duty steel frames fully carrying the load of worktops.</p> <p>frame should be constructed from a rectangular pipe with a cross section of 60mm x 30mm and should be 2 mm thick and should be without a vertical front leg to give a clean look. This should provide more knee space or leg space and should facilitate uninterrupted lateral movement of the under-bench units within the bench run.</p> <p>The Corner Units should fit well with table depths. All frame-work is to be pre-treated with superior pure epoxy powder coated finish.</p> <p>Electrical supply systems Shelves and Top Units and should be constructed from 18MM HDHMR board formed with removable covers.</p> <p>Horizontal service boom should be made out of 18 mm HDHMR panels and should span the length between uprights and should be provided with removable service panels.</p> <p>Electrical and GDS supplies should be supplied through this horizontal service boom. Boom should be supplied with factory fitted combinations of switch• &amp; sockets with 15amps standard grade.</p> <p>cabinet body should be flush face construction with intersection of vertical and horizontal members like LH and RH side panel along with front horizontal channel, back panel and bottom panel. It should be relocated</p>				

	anywhere easily as it is an independent unit. • Cabinet should of square non-sharp edge construction. • Doors should be assembled with SS-304 hinge assembly. • Removable back panel should be provided to easily access the service lines running • behind the cabinet benches. Intermediate horizontal channels should be provided between door and drawer. • Shelf should be eight-bend panel with 20mm height. •				
2	Full Height Partly Glazed Partition: Providing and fixing at site fully/partly glazed partition strictly as per the design & drawing to be made up of 2"5"x1"5" Aluminum hollow section (medium weight), finished with 6mm thick ply on both side finished with 1mm thick approved shade of lamination on all the sides as per the drawing with provision of fixing of large size glass. The float glass should be 8mm thick with approved etching pattern. The glass is to be fixed to main frame with 1"x1", 2nd class TW beading. All exposed wooden members or beading to have 3 coats of melamine polish. Glass to be fixed in partition above 3'and up to door height complete as per drawing and direction. The frame should be fixed in slab but ply will be fixed up to false ceiling height.( measurement taken upto false ceiling level)	82.32	SQMTR		
3	<b>STORAGE CABINETS:</b> Providing & fixing storage cabinets upto required height & 450 mm deep as per drawings. Cabinets shall be made of 18mm thick Ply with approved laminate on Top and all exposed surfaces. The cabinets shall be .75mt High & shall have lockable shutters in the front duly laminated. It shall have storage shelves at every 35cm gap. For vertical storage of files. All the skeleton work to be done with 18 mm thick Ply of superior make and the back shall be 18mm thick ply of superior make good for pasting laminate. The shutters shall have locking arrangement with superior quality brass mortice lock Godrej or equivalent The shutter shall be fixed on sides of the cabinet with superior quality brass. All the exposed faces shall be same laminated with 1.0 mm thick approved mica shade and other faces shall be 0.8mm thick laminated. The cost includes cost of all Hinges, Hardware, Locks, Handles & fasteners etc.	6.51	SQMTR		
4	<b>POLY PROPYLENE SINK.</b>	4	No.		
	It should be made up of 5 mm thick high density and elastic poly propylene with good resistance to organic solvents PP Bottle-traps should be offered with PP Sinks. Standard bowl size (L x W x D) should be 500 x 400 x 300 mm. 1-way/2-way/3-way Faucet should be provided				

5	<b>ELECTRICAL FITTINGS</b>	4	No.		
	S/I/T & C of Recess mounted decorative luminaire with square parabolic metalised louvre in metallic frame, held securely to the main body by four toggles, epoxy white powder coated CRCA sheet steel housing , electrochemical brightened, polished and anodized aluminium mirror reflector, Prewired with vacuum pressure impregnated copper ballast , push fit pin holders and mains connector, PL lamp, starter, P.F. improvement capacitor etc with class I electrical safety, complete as required Fitting				
	<b>2 X 2 LED</b>				
	36 W recess mounted LED flat panel				
6	<b>LAB EQUIPMENT CONTAINER FOR CENTER LAB TABLE</b>	1	No.		
	Providing and fixing of lab equipment container for center lab table made of HDHMRA BOARD of specified make with all nessasry fitting required				
7	<b>FALSE CEALING</b>	10	Sq.mtr		
	<b>Armstrong/ Everest Ceiling/India Gypsum tiles:</b> Providing fabricating and fixing of false ceiling at all height as directed of 600 mmx 600 mmx 15 mm Armstrong/ Everest mineral fiber tegular ceiling tiles of type classic lite RH- 99 laid on Armstrong/ Everest prelude XL exposed grid system with 9 mm wide T section flanges color white. The framework comprises of main runner spaced at 1200 mm centre. Hanger (GI wire) to be fixed by approved roof plug and screws etc. The last hanger at the end of each main runner should not be greater than 450 from the adjacent wall. Flush fitting 1200 mm long cross tees (with double stitching )to be interlocked between main runner at 600mm center from 1200x600mm modules. Cut cross tees longer than 600mm to be supported independently 600mm x 600 mm modules to be formed by fitting 600 mm long flush fitting cross tees centrally between the 1200 mm cross tees. Perimeter trim to be Armstrong/ Everest wall angle secured to walls at 450 mm maximum centers.				
	<b>TOTAL</b>				

## ROOM NO.106.

S.NO	PARTICULAR	QTY	UNIT	RATE	AMOUNT
1	<b>LABOURATARY MODULAR FURNITURE</b>	20.00	RMTR		
	<p>Supply and Installation of Laboratory Workbenches/Storage units including granite-worktops and other supporting /hardware's based on the specified Make List. This includes delivery to RSU, unloading the consignment and transporting it from the place of storage to the installation site. Supply &amp; Installation of all utility service outlets and accessory fittings, electrical receptacles, plumbing and electrical switches &amp; fittings identified on drawings as mounted on the laboratory furniture. Supply &amp; INSTAllation of all laboratory sinks, bottle traps, drain troughs etc. Supply- &amp; Installation of service structures where specified and setting in place reagent shelves of the type shown in the drawings. Removal of debris, dirt and rubbish accumulated as a result of nstallation/commissioning of the laboratory furniture and accessories and leaving the premises broom clean and orderly.All Frames assemblies should be manufactured from standard hollow metal sections; confirming to I.S. Code 7138:1973 (Indian Standard specification for steel tubes for furniture) and all HDRM 18MM BOARD confirming to IS Code 513:1994.The suspended under-bench welded units should be supported on heavy-duty steel frames fully carrying the load of worktops.</p> <p>frame should be constructed from a rectangular pipe with a cross section of 60mm x 30mm and should be 2 mm thick and should be without a vertical front leg to give a clean look. This should provide more knee space or leg space and should facilitate uninterrupted lateral movement of the under-bench units within the bench run.</p> <p>The Corner Units should fit well with table depths. All frame-work is to be pre-treated with superior pure epoxy powder coated finish.</p> <p>Electrical supply systems Shelves and Top Units and should be constructed from 18MM HDHMR board formed with removable covers.</p> <p>Horizontal service boom should be made out of 18 mm HDHMR panels and should span the length between uprights and should be provided with removable service panels.</p> <p>Electrical and GDS supplies should be supplied through this horizontal service boom. Boom should be supplied with factory fitted combinations of switch• &amp; sockets with 15amps standard grade.</p> <p>cabinet body should be flush face construction with intersection of vertical and horizontal members like LH and RH side panel along with front horizontal channel, back panel and bottom panel. It should be relocated anywhere easily as it is an independent unit. • Cabinet should of square non-sharp edge construction. • Doors should be assembled with SS-304 hinge assembly. • Removable back panel should be provided to easily access the service lines running• behind the cabinet benches. Intermediate horizontal channels should be provided between door and drawer. • Shelf should be eight-bend panel with 20mm height. •</p>				

//14//

2	Full Height Partly Glazed Partition: Providing and fixing at site fully/partly glazed partition strictly as per the design & drawing to be made up of 2"x2" Aluminum hollow section (medium weight), finished with 6mm thick ply on both side finished with 1mm thick approved shade of lamination on all the sides as per the drawing with provision of fixing of large size glass. The float glass should be 8mm thick with approved etching pattern. The glass is to be fixed to main frame with 1"x1", 2nd class TW beading. All exposed wooden members or beading to have 3 coats of melamine polish. Glass to be fixed in partition above 3'and up to door height complete as per drawing and direction. The frame should be fixed in slab but ply will be fixed up to false ceiling height.( measurement taken upto false ceiling level)	43.91	SQMTR		
3	<b>STORAGE CABINETS:</b> Providing & fixing storage cabinets upto required height & 450 mm deep as per drawings. Cabinets shall be made of 18mm thick Ply with approved laminate on Top and all exposed surfaces. The cabinets shall be .75mt High & shall have lockable shutters in the front duly laminated. It shall have storage shelves at every 35cm gap. For vertical storage of files. All the skeleton work to be done with 18 mm thick Ply of superior make and the back shall be 18mm thick ply of superior make good for pasting laminate. The shutters shall have locking arrangement with superior quality brass mortice lock Godrej or equivalent The shutter shall be fixed on sides of the cabinet with superior quality brass. All the exposed faces shall be same laminated with 1.0 mm thick approved mica shade and other faces shall be 0.8mm thick laminated. The cost includes cost of all Hinges, Hardware, Locks, Handles & fasteners etc.	3.49	SQMTR		
4	<b>POLY PROPYLENE SINK.</b>	4	No.		
	It should be made up of 5 mm thick high density and elastic poly propylene with good resistance to organic solvents PP Bottle-traps should be offered with PP Sinks. Standard bowl size (L x W x D) should be 500 x 400 x 300 mm. 1-way/2-way/3-way Faucet should be provided				
5	<b>ELECTRICAL FITTINGS</b>	4	No.		
	S/I/T & C of Recess mounted decorative luminaire with square parabolic metalised louvre in metallic frame, held securely to the main body by four toggles, epoxy white powder coated CRCA sheet steel housing , electrochemical brightened, polished and anodized aluminium mirror reflector, Prewired with vacuum pressure impregnated copper ballast , push fit pin holders and mains connector, PL lamp, starter, P.F. improvement				

	capacitor etc with class I electrical safety, complete as required Fitting				
	<b>2 X 2 LED</b>				
	36 W recess mounted LED flat panel				
<b>6</b>	<b>LAB EQUIPMENT CONTAINER FOR CENTER LAB TABLE</b>	<b>1</b>	<b>No.</b>		
	Providing and fixing of lab equipment container for center lab table made of HDHMRA BOARD of specified make with all nessasry fitting required				
<b>7</b>	<b>FALSE CEALING</b>	<b>30</b>	<b>Sqmtr</b>		
	<b>Armstrong/ Everest Ceiling/India Gypsum tiles:</b> Providing fabricating and fixing of false ceiling at all height as directed of 600 mmx 600 mmx 15 mm Armstrong/ Everest mineral fiber tegular ceiling tiles of type classic lite RH- 99 laid on Armstrong/ Everest prelude XL exposed grid system with 9 mm wide T section flanges color white. The framework comprises of main runner spaced at 1200 mm centre. Hanger (GI wire) to be fixed by approved roof plug and screws etc. The last hanger at the end of each main runner should not be greater than 450 from the adjacent wall. Flush fitting 1200 mm long cross tees (with double stitching )to be interlocked between main runner at 600mm center from 1200x600mm modules. Cut cross tees longer than 600mm to be supported independently 600mm x 600 mm modules to be formed by fitting 600 mm long flush fitting cross tees centrally between the 1200 mm cross tees. Perimeter trim to be Armstrong/ Everest wall angle secured to walls at 450 mm maximum centers.				
	<b>TOTAL</b>				

## ROOM NO.107.

S.NO	PARTICULAR	QTY	UNIT	RATE	AMOUNT
1	<b>LABOURATARY MODULAR FURNITURE</b>	22.25	RMTR		
	<p>Supply and Installation of Laboratory Workbenches/Storage units including granite-worktops and other supporting /hardware's based on the specified Make List. This includes delivery to RSU, unloading the consignment and transporting it from the place of storage to the installation site. Supply- &amp; Installation of all utility service outlets and accessory fittings, electrical receptacles, plumbing and electrical switches &amp; fittings identified on drawings as mounted on the laboratory furniture. Supply &amp; INSTAllation of all laboratory sinks, bottle traps, drain troughs etc. Supply- &amp; Installation of service structures where specified and setting in place reagent shelves of the type shown in the drawings. Removal of debris, dirt and rubbish accumulated as a result of nstallation/commissioning of the laboratory furniture and accessories and leaving the premises broom clean and orderly.All Frames assemblies should be manufactured from standard hollow metal sections; confirming to I.S. Code 7138:1973 (Indian Standard specification for steel tubes for furniture) and all HDRM 18MM BOARD confirming to IS Code 513:1994.The suspended under-bench welded units should be supported on heavy-duty steel frames fully carrying the load of worktops.</p> <p>frame should be constructed from a rectangular pipe with a cross section of 60mm x 30mm and should be 2 mm thick and should be without a vertical front leg to give a clean look. This should provide more knee space or leg space and should facilitate uninterrupted lateral movement of the under-bench units within the bench run. The Corner Units should fit well with table depths. All frame-work is to be pre-treated with superior pure epoxy powder coated finish.</p> <p>Electrical supply systems Shelves and Top Units and should be constructed from 18MM HDHMR board formed with removable covers. Horizontal service boom should be made out of 18 mm HDHMR panels and should span the length between uprights and should be provided with removable service panels.</p> <p>Electrical and GDS supplies should be supplied through this horizontal service boom. Boom should be supplied with factory fitted combinations of switch• &amp; sockets with 15amps standard grade.</p> <p>cabinet body should be flush face construction with intersection of vertical and horizontal members like LH and RH side panel along with front horizontal channel, back panel and bottom panel. It should be relocated anywhere easily as it is an independent unit. • Cabinet should of square non-sharp edge construction. • Doors should be assembled with SS-304 hinge assembly. • Removable back panel should be provided to easily access the service lines running• behind the cabinet benches. Intermediate horizontal channels should be</p>				



	provided between door and drawer. • Shelf should be eight-bend panel with 20mm height. •				
2	Full Height Partly Glazed Partition: Providing and fixing at site fully/partly glazed partition strictly as per the design & drawing to be made up of 2"x2" Aluminum hollow section (medium weight), finished with 6mm thick ply on both side finished with 1mm thick approved shade of lamination on all the sides as per the drawing with provision of fixing of large size glass. The float glass should be 8mm thick with approved etching pattern. The glass is to be fixed to main frame with 1"x1", 2nd class TW beading. All exposed wooden members or beading to have 3 coats of melamine polish. Glass to be fixed in partition above 3' and up to door height complete as per drawing and direction. The frame should be fixed in slab but ply will be fixed up to false ceiling height. ( measurement taken upto false ceiling level)	85.32	SQMTR		
3	STORAGE CABINETS: Providing & fixing storage cabinets upto required height & 450 mm deep as per drawings. Cabinets shall be made of 18mm thick Ply with approved laminate on Top and all exposed surfaces. The cabinets shall be .75mt High & shall have lockable shutters in the front duly laminated. It shall have storage shelves at every 35cm gap. For vertical storage of files. All the skeleton work to be done with 18 mm thick Ply of superior make and the back shall be 18mm thick ply of superior make good for pasting laminate. The shutters shall have locking arrangement with superior quality brass mortice lock Godrej or equivalent The shutter shall be fixed on sides of the cabinet with superior quality brass. All the exposed faces shall be same laminated with 1.0 mm thick approved mica shade and other faces shall be 0.8mm thick laminated. The cost includes cost of all Hinges, Hardware, Locks, Handles & fasteners etc.	6.74	SQMTR		
4	<b>POLY PROPYLENE SINK.</b>	4	No.		
	It should be made up of 5 mm thick high density and elastic poly propylene with good resistance to organic solvents PP Bottle-traps should be offered with PP Sinks- Standard bowl size (L x W x D) should be 500 x 400 x 300 mm- 1-way/2-way/3-way Faucet should be provided				
5	<b>ELECTRICAL FITTINGS</b>	4	No.		
	S/I/T & C of Recess mounted decorative luminaire with square parabolic metalised				

	louvre in metallic frame, held securely to the main body by four toggles, epoxy white powder coated CRCA sheet steel housing , electrochemical brightened, polished and anodized aluminium mirror reflector, Prewired with vacuum pressure impregnated copper ballast , push fit pin holders and mains connector, PL lamp, starter, P.F. improvement capacitor etc with class I electrical safety, complete as required Fitting				
	<b>2 X 2 LED</b>				
	36 W recess mounted LED flat panel				
<b>6</b>	<b>LAB EQUIPMENT CONTAINER FOR CENTER LAB TABLE</b>	<b>1</b>	<b>No.</b>		
	Providing and fixing of lab equipment container for center lab table made of HDHMRA BOARD of specified make with all nessasy fitting required				
<b>7</b>	<b>FALSE CEALING</b>	<b>26.57</b>	<b>Sqmtr</b>		
	<b>Armstrong/ Everest Ceiling/India Gypsum tiles:</b> Providing fabricating and fixing of false ceiling at all height as directed of 600 mmx 600 mmx 15 mm Armstrong/ Everest mineral fiber tegular ceiling tiles of type classic lite RH- 99 laid on Armstrong/ Everest prelude XL exposed grid system with 9 mm wide T section flanges color white. The framework comprises of main runner spaced at 1200 mm centre. Hanger (GI wire) to be fixed by approved roof plug and screws etc. The last hanger at the end of each main runner should not be greater than 450 from the adjacent wall. Flush fitting 1200 mm long cross tees (with double stitching )to be interlocked between main runner at 600mm center from 1200x600mm modules. Cut cross tees longer than 600mm to be supported independently 600mm x 600 mm modules to be formed by fitting 600 mm long flush fitting cross tees centrally between the 1200 mm cross tees. Perimeter trim to be Armstrong/ Everest wall angle secured to walls at 450 mm maximum centers.				
	<b>TOTAL</b>				

## ROOM NO.108

S.NO	PARTICULAR	QTY	UNIT	RATE	AMOUNT
1	<b>LABOURATORY MODULAR FURNITURE</b>	10.00	RMTR		
	<p>Supply and Installation of Laboratory Workbenches/Storage units including granite worktops and other supporting /hardware's based on the specified Make List. This includes delivery to RSU, unloading the consignment and transporting it from the place of storage to the installation site. Supply &amp; Installation of all utility service outlets and accessory fittings, electrical receptacles, plumbing and electrical switches &amp; fittings identified on drawings as mounted on the laboratory furniture. Supply &amp; INSTAllation of all laboratory sinks, bottle traps, drain troughs etc. Supply &amp; Installation of service structures where specified and setting in place reagent shelves of the type shown in the drawings. Removal of debris, dirt and rubbish accumulated as a result of nstallation/commissioning of the laboratory furniture and accessories and leaving the premises broom clean and orderly.All Frames assemblies should be manufactured from standard hollow metal sections; confirming to I.S. Code 7138:1973 (Indian Standard specification for steel tubes for furniture) and all HDRM 18MM BOARD confirming to IS Code 513:1994.The suspended under-bench welded units should be supported on heavy-duty steel frames fully carrying the load of worktops.</p> <p>frame should be constructed from a rectangular pipe with a cross section of 60mm x 30mm and should be 2 mm thick and should be without a vertical front leg to give a clean look. This should provide more knee space or leg space and should facilitate uninterrupted lateral movement of the under-bench units within the bench run.</p> <p>The Corner Units should fit well with table depths. All frame-work is to be pre-treated with superior pure epoxy powder coated finish.</p> <p>Electrical supply systems Shelves and Top Units and should be constructed from 18MM HDHMR board formed with removable covers.</p> <p>Horizontal service boom should be made out of 18 mm HDHMR panels and should span the length between uprights and should be provided with removable service panels.</p> <p>Electrical and GDS supplies should be supplied through this horizontal service boom. Boom should be supplied with</p>				

	<p>factory fitted combinations of switch• &amp; sockets with 15amps standard grade.          cabinet body should be flush face construction with intersection of vertical and horizontal members like LH and RH side panel along with front horizontal channel, back panel and bottom panel. It should be relocated anywhere easily as it is an independent unit. • Cabinet should of square non-sharp edge construction. • Doors should be assembled with SS-304 hinge assembly. • Removable back panel should be provided to easily access the service lines running• behind the cabinet benches. Intermediate horizontal channels should be provided between door and drawer. • Shelf should be eight-bend panel with 20mm height. •</p>				
2	<p>Full Height Partly Glazed Partition:          Providing and fixing at site fully/partly glazed partition strictly as per the design &amp; drawing to be made up of 2"x2" Aluminum hollow section (medium weight), finished with 6mm thick ply on both side finished with 1mm thick approved shade of lamination on all the sides as per the drawing with provision of fixing of large size glass. The float glass should be 8mm thick with approved etching pattern. The glass is to be fixed to main frame with 1"x1", 2nd class TW beading. All exposed wooden members or beading to have 3 coats of melamine polish. Glass to be fixed in partition above 3'and up to door height complete as per drawing and direction. The frame should be fixed in slab but ply will be fixed up to false ceiling height.( measurement taken upto false ceiling level)</p>	15.68	SQMTR		

3	<p><b>STORAGE CABINETS:</b> Providing &amp; fixing storage cabinets upto required height &amp; 450 mm deep as per drawings. Cabinets shall be made of 18mm thick Ply with approved laminate on Top and all exposed surfaces. The cabinets shall be .75mt High &amp; shall have lockable shutters in the front duly laminated. It shall have storage shelves at every 35cm gap. For vertical storage of files. All the skeleton work to be done with 18 mm thick Ply of superior make and the back shall be 18mm thick ply of superior make good for pasting laminate. The shutters shall have locking arrangement with superior quality brass mortice lock Godrej or equivalent The shutter shall be fixed on sides of the cabinet with superior quality brass. All the exposed faces shall be same laminated with 1.0 mm thick approved mica shade and other faces shall be 0.8mm thick laminated. The cost includes cost of all Hinges, Hardware, Locks, Handles &amp; fasteners etc.</p>	3.58	SQMTR		
4	<p><b>POLY PROPYLENE SINK.</b></p>	4	No.		
	<p>It should be made up of 5 mm thick high density and elastic poly propylene with good resistance to organic solvents PP Bottle-traps should be offered with PP Sinks Standard bowl size (L x W x D) should be 500 x 400 x 300 mm 1-way/2-way/3-way Faucet should be provided</p>				
5	<p><b>ELECTRICAL FITTINGS</b></p>	4	No.		
	<p>S/I/T &amp; C of Recess mounted decorative luminaire with square parabolic metalised louvre in metallic frame, held securely to the main body by four toggles, epoxy white powder coated CRCA sheet steel housing , electrochemical brightened, polished and anodized aluminium mirror reflector, Prewired with vacuum pressure impregnated copper ballast , push fit pin holders and mains connector, PL lamp, starter, P.F. improvement capacitor etc with class I electrical safety, complete as required Fitting</p>				
	<p><b>2 X 2 LED</b></p>				
	<p>36 W recess mounted LED flat panel</p>				
6	<p><b>LAB EQUIPMENT CONTAINER FOR CENTER LAB TABLE</b></p>	1	No.		
	<p>Providing and fixing of lab equipment container for center lab table made of HDHMRA BOARD of specified make with all</p>				

विकास विभाग

प्र. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.)

	nessasry fitting required				
7	<b>FALSE CEALING</b>	25	Sqmtr		
	<p><b>Armstrong/ Everest Ceiling/India Gypsum</b> tiles: Providing fabricating and fixing of false ceiling at all height as directed of 600 mmx 600 mmx 15 mm Armstrong/ Everest mineral fiber tegular ceiling tiles of type classic lite RH- 99 laid on Armstrong/ Everest prelude XL exposed grid system with 9 mm wide T section flanges color white. The framework comprises of main runner spaced at 1200 mm centre. Hanger (GI wire) to be fixed by approved roof plug and screws etc. The last hanger at the end of each main runner should not be greater than 450 from the adjacent wall. Flush fitting 1200 mm long cross tees (with double stitching )to be interlocked between main runner at 600mm center from 1200x600mm modules. Cut cross tees longer than 600mm to be supported independently 600mm x 600 mm modules to be formed by fitting 600 mm long flush fitting cross tees centrally between the 1200 mm cross tees. Perimeter trim to be Armstrong/ Everest wall angle secured to walls at 450 mm maximum centers.</p>				
	<b>TOTAL</b>				

## ROOM NO.109

S.NO	PARTICULAR	QTY	UNIT	RATE	AMOUNT
1	<b>LABOURATARY MODULAR FURNITURE</b>	16.00	RMTR		
	<p>Supply and Installation of Laboratory Workbenches/Storage units including granite-worktops and other supporting /hardware's based on the specified Make List. This includes delivery to RSU, unloading the consignment and transporting it from the place of storage to the installation site.</p> <p>Supply- &amp; Installation of all utility service outlets and accessory fittings, electrical receptacles, plumbing and electrical switches &amp; fittings identified on drawings as mounted on the laboratory furniture. Supply &amp; INSTALLation of all laboratory sinks, bottle traps, drain troughs etc.</p> <p>Supply- &amp; Installation of service structures where specified and setting in place reagent shelves of the type shown in the drawings. Removal of debris, dirt and rubbish accumulated as a result of nstallation/commissioning of the laboratory furniture and accessories and leaving the premises broom clean and orderly.All Frames assemblies should be manufactured from standard hollow metal sections; confirming to I.S. Code 7138:1973 (Indian Standard specification for steel tubes for furniture) and all HDRM 18MM BOARD confirming to IS Code 513:1994.The suspended under-bench welded units should be supported on heavy-duty steel frames fully carrying the load of worktops. frame should be constructed from a rectangular pipe with a cross section of 60mm x 30mm and should be 2 mm thick and should be without a vertical front leg to give a clean look. This should provide more knee space or leg space and should facilitate uninterrupted lateral movement of the under-bench units within the bench run.</p> <p>The Corner Units should fit well with table depths. All frame-work is to be pre-treated with superior pure epoxy powder coated finish.</p> <p>Electrical supply systems Shelves and Top Units and should be constructed from 18MM HDHMR board formed with removable covers.</p> <p>Horizontal service boom should be made out of 18 mm HDHMR panels and should span the length between uprights and should be provided with removable service panels.</p> <p>Electrical and GDS supplies should be supplied through this horizontal service boom. Boom should be supplied with factory fitted combinations of switch• &amp; sockets with 15amps standard grade. cabinet body should be flush face construction with intersection of vertical and horizontal members like LH and RH side panel along with front horizontal channel, back panel and bottom panel. It should be relocated anywhere easily as it is an independent unit. • Cabinet should of square non-sharp edge construction. • Doors should be assembled with SS-304 hinge assembly. • Removable back panel should be provided to easily access the service lines running• behind the cabinet benches. Intermediate horizontal channels should be provided between</p>				

	door and drawer. • Shelf should be eight-bend panel with 20mm height. •				
2	Full Height Partly Glazed Partition: Providing and fixing at site fully/partly glazed partition strictly as per the design & drawing to be made up of 2"x2" Aluminum hollow section (medium weight), finished with 6mm thick ply on both side finished with 1mm thick approved shade of lamination on all the sides as per the drawing with provision of fixing of large size glass. The float glass should be 8mm thick with approved etching pattern. The glass is to be fixed to main frame with 1"x1", 2nd class TW beading. All exposed wooden members or beading to have 3 coats of melamine polish. Glass to be fixed in partition above 3' and up to door height complete as per drawing and direction. The frame should be fixed in slab but ply will be fixed up to false ceiling height. ( measurement taken upto false ceiling level)	43.31	SQMTR		
3	<b>STORAGE CABINETS:</b> Providing & fixing storage cabinets upto required height & 450 mm deep as per drawings. Cabinets shall be made of 18mm thick Ply with approved laminate on Top and all exposed surfaces. The cabinets shall be .75mt High & shall have lockable shutters in the front duly laminated. It shall have storage shelves at every 35cm gap. For vertical storage of files. All the skeleton work to be done with 18 mm thick Ply of superior make and the back shall be 18mm thick ply of superior make good for pasting laminate. The shutters shall have locking arrangement with superior quality brass mortice lock Godrej or equivalent The shutter shall be fixed on sides of the cabinet with superior quality brass. All the exposed faces shall be same laminated with 1.0 mm thick approved mica shade and other faces shall be 0.8mm thick laminated. The cost includes cost of all Hinges, Hardware, Locks, Handles & fasteners etc.	4.88	SQMTR		
4	<b>POLY PROPYLENE SINK.</b>	4	No.		
	It should be made up of 5 mm thick high density and elastic poly propylene with good resistance to organic solvents PP Bottle-traps should be offered with PP Sinks. Standard bowl size (L x W x D) should be 500 x 400 x 300 mm. 1-way/2-way/3-way Faucet should be provided				
5	<b>ELECTRICAL FITTINGS</b>	4	No.		
	S/I/T & C of Recess mounted decorative luminaire with square parabolic metalised louvre in metallic frame, held securely to the main body by four toggles, epoxy white powder coated CRCA sheet steel housing ,				



	electrochemical brightened, polished and anodized aluminium mirror reflector, Prewired with vacuum pressure impregnated copper ballast , push fit pin holders and mains connector, PL lamp, starter, P.F. improvement capacitor etc with class I electrical safety, complete as required Fitting				
	<b>2 X 2 LED</b>				
	36 W recess mounted LED flat panel				
<b>6</b>	<b>LAB EQUIPMENT CONTAINER FOR CENTER LAB TABLE</b>	<b>1</b>	<b>No.</b>		
	Providing and fixing of lab equipment container for center lab table made of HDHMRA BOARD of specified make with all nessasry fitting required				
<b>7</b>	<b>FALSE CEALING</b>	<b>33</b>	<b>Sqmtr</b>		
	<b>Armstrong/ Everest Ceiling/India Gypsum tiles:</b> Providing fabricating and fixing of false ceiling at all height as directed of 600 mmx 600 mmx 15 mm Armstrong/ Everest mineral fiber tegular ceiling tiles of type classic lite RH-99 laid on Armstrong/ Everest prelude XL exposed grid system with 9 mm wide T section flanges color white. The framework comprises of main runner spaced at 1200 mm centre. Hanger (GI wire) to be fixed by approved roof plug and screws etc. The last hanger at the end of each main runner should not be greater than 450 from the adjacent wall. Flush fitting 1200 mm long cross tees (with double stitching )to be interlocked between main runner at 600mm center from 1200x600mm modules. Cut cross tees longer than 600mm to be supported independently 600mm x 600 mm modules to be formed by fitting 600 mm long flush fitting cross tees centrally between the 1200 mm cross tees. Perimeter trim to be Armstrong/ Everest wall angle secured to walls at 450 mm maximum centers.				
	<b>TOTAL</b>				

## ROOM NO.117.

S.NO	PARTICULAR	QTY	UNIT	RATE	AMOUNT
1	<b>LABOURATARY MODULAR FURNITURE</b>	14.00	RMTR		
	<p>Supply and Installation of Laboratory Workbenches/Storage units including granite worktops and other supporting /hardware's based on the specified Make List. This includes delivery to RSU, unloading the consignment and transporting it from the place of storage to the installation site. Supply &amp; Installation of all utility service outlets and accessory fittings, electrical receptacles, plumbing and electrical switches &amp; fittings identified on drawings as mounted on the laboratory furniture. Supply &amp; Installation of all laboratory sinks, bottle traps, drain troughs etc. Supply &amp; Installation of service structures where specified and setting in place reagent shelves of the type shown in the drawings. Removal of debris, dirt and rubbish accumulated as a result of nstallation/commissioning of the laboratory furniture and accessories and leaving the premises broom clean and orderly.All Frames assemblies should be manufactured from standard hollow metal sections; confirming to I.S. Code 7138:1973 (Indian Standard specification for steel tubes for furniture) and all HDRM 18MM BOARD confirming to IS Code 513:1994.The suspended under-bench welded units should be supported on heavy-duty steel frames fully carrying the load of worktops.</p> <p>frame should be constructed from a rectangular pipe with a cross section of 60mm x 30mm and should be 2 mm thick and should be without a vertical front leg to give a clean look. This should provide more knee space or leg space and should facilitate uninterrupted lateral movement of the under-bench units within the bench run.</p> <p>The Corner Units should fit well with table depths. All frame-work is to be pre-treated with superior pure epoxy powder coated finish.</p> <p>Electrical supply systems Shelves and Top Units and should be constructed from 18MM HDHMR board formed with removable covers.</p> <p>Horizontal service boom should be made out of 18 mm HDHMR panels and should span the length between uprights and should be provided with removable service panels.</p> <p>Electrical and GDS supplies should be supplied through this horizontal service boom. Boom should be supplied with factory fitted combinations of switch• &amp; sockets with 15amps standard grade.</p> <p>cabinet body should be flush face construction with intersection of vertical and horizontal members like LH and RH side panel along with front horizontal channel, back panel and bottom panel. It should be relocated anywhere easily as it is an independent unit.• Cabinet should of square non-sharp edge construction.• Doors should be assembled with SS-304 hinge assembly.• Removable back panel should be provided to easily access the service lines running• behind the cabinet benches. Intermediate horizontal channels should be provided between door and drawer.• Shelf should be eight-bend panel with 20mm height.•</p>				

2	Full Height Partly Glazed Partition: Providing and fixing at site fully/partly glazed partition strictly as per the design & drawing to be made up of 2"x2" Aluminum hollow section (medium weight), finished with 6mm thick ply on both side finished with 1mm thick approved shade of lamination on all the sides as per the drawing with provision of fixing of large size glass. The float glass should be 8mm thick with approved etching pattern. The glass is to be fixed to main frame with 1"x1", 2nd class TW beading. All exposed wooden members or beading to have 3 coats of melamine polish. Glass to be fixed in partition above 3'and up to door height complete as per drawing and direction. The frame should be fixed in slab but ply will be fixed up to false ceiling height.( measurement taken upto false ceiling level)	25.09	SQMTR		
3	<b>STORAGE CABINETS:</b> Providing & fixing storage cabinets upto required height & 450 mm deep as per drawings. Cabinets shall be made of 18mm thick Ply with approved laminate on Top and all exposed surfaces. The cabinets shall be .75mt High & shall have lockable shutters in the front duly laminated. It shall have storage shelves at every 35cm gap. For vertical storage of files. All the skeleton work to be done with 18 mm thick Ply of superior make and the back shall be 18mm thick ply of superior make good for pasting laminate. The shutters shall have locking arrangement with superior quality brass mortice lock Godrej or equivalent The shutter shall be fixed on sides of the cabinet with superior quality brass. All the exposed faces shall be same laminated with 1.0 mm thick approved mica shade and other faces shall be 0.8mm thick laminated. The cost includes cost of all Hinges, Hardware, Locks, Handles & fasteners etc.	5.58	SQMTR		
4	<b>POLY PROPYLENE SINK.</b>	4	No.		
	It should be made up of 5 mm thick high density and elastic poly propylene with good resistance to organic solvents PP Bottle-traps should be offered with PP Sinks. Standard bowl size (L x W x D) should be 500 x 400 x 300 mm. 1-way/2-way/3-way Faucet should be provided				
5	<b>ELECTRICAL FITTINGS</b>	8	No.		
	S/I/T & C of Recess mounted decorative luminaire with square parabolic metalised louvre in metallic frame, held securely to the main body by four toggles, epoxy white powder coated CRCA sheet steel housing , electrochemical brightened, polished and anodized aluminium mirror reflector, Prewired with vacuum pressure impregnated copper ballast , push fit pin holders and mains connector, PL lamp, starter, P.F. improvement capacitor etc with class I electrical safety, complete as required Fitting				
	<b>2 X 2 LED</b>				
	36 W recess mounted LED flat panel				
6	<b>LAB EQUIPMENT CONTAINER FOR CENTER LAB TABLE</b>	1	No.		
	Providing and fixing of lab equipment container for center lab table made of HDHMRA BOARD of specified make with all nessasry fitting required				

7	<b>FALSE CEALING</b>	80	Sqmtr		
	<p><b>Armstrong/ Everest Ceiling/India Gypsum</b> tiles: Providing fabricating and fixing of false ceiling at all height as directed of 600 mmx 600 mmx 15 mm Armstrong/ Everest mineral fiber tegular ceiling tiles of type classic lite RH- 99 laid on Armstrong/ Everest prelude XL exposed grid system with 9 mm wide T section flanges color white. The framework comprises of main runner spaced at 1200 mm centre. Hanger (GI wire) to be fixed by approved roof plug and screws etc. The last hanger at the end of each main runner should not be greater than 450 from the adjacent wall. Flush fitting 1200 mm long cross tees (with double stitching )to be interlocked between main runner at 600mm center from 1200x600mm modules. Cut cross tees longer than 600mm to be supported independently 600mm x 600 mm modules to be formed by fitting 600 mm long flush fitting cross tees centrally between the 1200 mm cross tees. Perimeter trim to be Armstrong/ Everest wall angle secured to walls at 450 mm maximum centers.</p>				
	<b>TOTAL</b>				

\*GST AS APPLICABLE.

// /29 / /

## ROOM NO.118

S.NO	PARTICULAR	QTY	UNIT	RATE	AMOUNT
1	<b>LABOURATARY MODULAR FURNITURE</b>	21.00	RMTR		
	<p>Supply and Installation of Laboratory Workbenches/Storage units including granite worktops and other supporting /hardware's based on the specified Make List. This includes delivery to RSU, unloading the consignment and transporting it from the place of storage to the installation site. Supply &amp; Installation of all utility service outlets and accessory fittings, electrical receptacles, plumbing and electrical switches &amp; fittings identified on drawings as mounted on the laboratory furniture. Supply &amp; INSTAllation of all laboratory sinks, bottle traps, drain troughs etc. Supply &amp; Installation of service structures where specified and setting in place reagent shelves of the type shown in the drawings. Removal of debris, dirt and rubbish accumulated as a result of nstallation/commissioning of the laboratory furniture and accessories and leaving the premises broom clean and orderly.All Frames assemblies should be manufactured from standard hollow metal sections; confirming to I.S. Code 7138:1973 (Indian Standard specification for steel tubes for furniture) and all HDRM 18MM BOARD confirming to IS Code 513:1994.The suspended under-bench welded units should be supported on heavy-duty steel frames fully carrying the load of worktops.</p> <p>frame should be constructed from a rectangular pipe with a cross section of 60mm x 30mm and should be 2 mm thick and should be without a vertical front leg to give a clean look. This should provide more knee space or leg space and should facilitate uninterrupted lateral movement of the under-bench units within the bench run. The Corner Units should fit well with table depths. All frame-work is to be pre-treated with superior pure epoxy powder coated finish. Electrical supply systems Shelves and Top Units and should be constructed from 18MM HDHMR board formed with removable covers.</p> <p>Horizontal service boom should be made out of 18 mm HDHMR panels and should span the length between uprights and should be provided with removable service panels.</p> <p>Electrical and GDS supplies should be supplied through this horizontal service boom. Boom should be supplied with factory fitted combinations of switch• &amp; sockets with 15amps standard grade. cabinet body should be flush face construction with intersection of vertical and horizontal members like LH and RH side panel along with front horizontal channel, back panel and bottom panel. It should be relocated anywhere easily as it is an independent unit.• Cabinet should of square non-sharp edge construction.• Doors should be assembled with SS-304 hinge assembly.• Removable back panel should be provided to easily access the service lines running• behind the cabinet benches. Intermediate horizontal channels should be provided between door and drawer.• Shelf should be eight-bend panel with 20mm height.•</p>				

विकास विभाग

जं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.)

2	Full Height Partly Glazed Partition: Providing and fixing at site fully/partly glazed partition strictly as per the design & drawing to be made up of 2"x2" Aluminum hollow section (medium weight), finished with 6mm thick ply on both side finished with 1mm thick approved shade of lamination on all the sides as per the drawing with provision of fixing of large size glass. The float glass should be 8mm thick with approved etching pattern. The glass is to be fixed to main frame with 1"x1", 2nd class TW beading. All exposed wooden members or beading to have 3 coats of melamine polish. Glass to be fixed in partition above 3'and up to door height complete as per drawing and direction. The frame should be fixed in slab but ply will be fixed up to false ceiling height.( measurement taken upto false ceiling level)	4.00	SQMTR		
3	<b>STORAGE CABINETS:</b> Providing & fixing storage cabinets upto required height & 450 mm deep as per drawings. Cabinets shall be made of 18mm thick Ply with approved laminate on Top and all exposed surfaces. The cabinets shall be .75mt High & shall have lockable shutters in the front duly laminated. It shall have storage shelves at every 35cm gap. For vertical storage of files. All the skeleton work to be done with 18 mm thick Ply of superior make and the back shall be 18mm thick ply of superior make good for pasting laminate. The shutters shall have locking arrangement with superior quality brass mortice lock Godrej or equivalent The shutter shall be fixed on sides of the cabinet with superior quality brass. All the exposed faces shall be same laminated with 1.0 mm thick approved mica shade and other faces shall be 0.8mm thick laminated. The cost includes cost of all Hinges, Hardware, Locks, Handles & fasteners etc.	2.09	SQMTR		
4	<b>POLY PROPYLENE SINK.</b>	4	No.		
	It should be made up of 5 mm thick high density and elastic poly propylene with good resistance to organic solvents PP Bottle-traps should be offered with PP Sinks. Standard bowl size (L x W x D) should be 500 x 400 x 300 mm. 1-way/2-way/3-way Faucet should be provided				
5	<b>ELECTRICAL FITTINGS</b>	4	No.		
	S/I/T & C of Recess mounted decorative luminaire with square parabolic metalised louvre in metallic frame, held securely to the main body by four toggles, epoxy white powder coated CRCA sheet steel housing , electrochemical brightened, polished and anodized aluminium mirror reflector, Prewired with vacuum pressure impregnated copper ballast , push fit pin holders and mains connector, PL lamp, starter, P.F. improvement capacitor etc with class I electrical safety, complete as required Fitting				
	<b>2 X 2 LED</b>				
	36 W recess mounted LED flat panel				
6	<b>LAB EQUIPMENT CONTAINER FOR CENTER LAB TABLE</b>	1	No.		
	Providing and fixing of lab equipment container for center lab table made of HDHMRA BOARD of specified make with all nessasry fitting required				

7	<b>FALSE CEALING</b>	82	Sqft		
	<b>Armstrong/ Everest Ceiling/India Gypsum</b> tiles: Providing fabricating and fixing of false ceiling at all height as directed of 600 mmx 600 mmx 15 mm Armstrong/ Everest mineral fiber tegular ceiling tiles of type classic lite RH- 99 laid on Armstrong/ Everest prelude XL exposed grid system with 9 mm wide T section flanges color white. The framework comprises of main runner spaced at 1200 mm centre. Hanger (GI wire) to be fixed by approved roof plug and screws etc. The last hanger at the end of each main runner should not be greater than 450 from the adjacent wall. Flush fitting 1200 mm long cross tees (with double stitching )to be interlocked between main runner at 600mm center from 1200x600mm modules. Cut cross tees longer than 600mm to be supported independently 600mm x 600 mm modules to be formed by fitting 600 mm long flush fitting cross tees centrally between the 1200 mm cross tees. Perimeter trim to be Armstrong/ Everest wall angle secured to walls at 450 mm maximum centers.				
8	S/I/T & C of Recess mounted decorative luminaire with square parabolic metalised louvre in metallic frame, held securely to the main body by four toggles, epoxy white powder coated CRCA sheet steel housing , electrochemical brightened, polished and anodized aluminium mirror reflector, Prewired with vacuum pressure impregnated copper ballast , push fit pin holders and mains connector, PL lamp, starter, P.F. improvement capacitor etc with class I electrical safety, complete as required Fitting <b>2 X 2 LED</b> 36 W recess mounted LED flat panel	8	NO.		
<b>TOTAL</b>					

\*GST AS APPLICABLE.

**ESTIMATE FOR MODULAR LAB FOR INSTITUTE OF PHARMACY, RAIPUR**

S.NO	ROOM NO.	AMOUNT
1	ROOM NO.105	
2	ROOM NO.106	
3	ROOM NO.107	
4	ROOM NO.108	
5	ROOM NO.109	
6	ROOM NO.117	
7	ROOM NO.118	
	<b>TOTAL</b>	
	<b>GST@..... %</b>	
	<b>GRAND TOTAL</b>	

टीप – उपरोक्त सभी **ROOM No. 105, 106, 107, 108, 109, 117 & 118** को मिलाकर जिसका कुल योग का दर न्यूनतम होगा, उस फर्म को कार्य दिया जावेगा। निविदाकार निविदा भरने के पूर्व फार्मैसी संस्थान के उपरोक्त **ROOM** का कार्यालयीन दिवस में अवलोकन करने के पश्चात् ही निविदा भरे।





पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.)

(विश्वविद्यालय के फार्मसी संस्थान में मॉड्यूलर लैब निर्माण करने हेतु निविदा)

फार्म का मूल्य रु.3000=00

रसीद क्रमांक : .....

दिनांक : .....

1. फर्म का पूरा नाम : .....
  2. फर्म का पूरा पता : .....
  3. पेन कार्ड नम्बर (छायाप्रति संलग्न करें) :.....
  4. GST संबंधी दस्तावेज (छायाप्रति संलग्न करें) :.....
  5. फर्म का रजिस्ट्रेशन सर्टिफिकेट (छायाप्रति संलग्न करें) :-.....
  6. निविदाकर्ता को विगत 03 वित्तीय वर्षों के आयकर विवरणी का CA द्वारा प्रमाणित प्रति संलग्न करे :-.....
  7. आई. एस. आई तथा आईएसओ 9000 प्रमाण-पत्र यदि है तो :-.....  
(छायाप्रति संलग्न करें)
  8. फर्म का व्यापारिक संस्थान कहाँ स्थित है उल्लेख करें :-.....
  9. अनुभव के संबंध में संबंधित फर्म द्वारा शासकीय संस्थाओं में किये गये कार्यों का उल्लेख करते हुए यदि हो तो साक्ष्य के रूप में दस्तावेज की छायाप्रति संलग्न करे :-.....
  10. सामग्री आपूर्ति कर्ता फर्म निर्माता फर्म है अथवा अधिकृत डीलर है अथवा जनरल सप्लायर स्पष्ट उल्लेख करें (दस्तावेज की छायाप्रति संलग्न करें) :-.....
  11. Black Listed (काली सूची) में न होने का शपथ-पत्र संलग्न करे :-.....
  12. फर्म द्वारा संलग्न अमानत राशि रु. .... डीडी (डिमांड ड्राफ्ट) नंबर: .....
- दिनांक : .....

हस्ताक्षर - .....

फर्म का नाम एवं पता - .....

.....

.....