



PT.RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR
492010 (CG)



No.3/0 /Dev./Tender/2017

Raipur, Dated 26.10.2017

REVISED TENDER NOTICE

Pt. Ravishankar Shukla University, Raipur Chhattisgarh intends to have a furniture for its various departments.

Sealed Tenders are invited from reputed manufactures for furniture of institute of Teachers Education, Raipur.

Requirements of the Tender and specification are available in the university website www.prsu.ac.in.

Tender should accompany two separate DD's for document cost Rs.500/- and EMD @3% of the quoted amount.

Last date of receipt of tender: 02.11.2017 (Speed Post / Register Post/Courier only)
Time-5:30 pm

Opening of TECHNICAL BIDS: 03.11.2017 Time-03:00 pm

Opening of FINANCIAL BIDS (Technically Qualified Tenders only): 03.11 2017
Time-04:30 pm


(REGISTRAR)

TENDER
FOR
PROVIDING FURNITURE FOR
VARIOUS BUILDINGS
AT
PT. RAVISHANKAR SHUKLA
UNIVERSITY,
RAIPUR CHHATTISGARH

Date

Ref: _____

M/s.

.....

.....

Sub: Providing Furniture works for Various Dept. Pt. Ravishankar Shukla University,
Raipur.

Sir,

Tender documents in respect of the above mentioned works containing 34 pages as detailed on page 3 (Index) are forwarded herewith. ***Please note that tender is to be delivered in the office of the REGISTRAR, PT.RAVISHANKAR SHUKLA UNIVERSITY,RAIPUR 492001.***

The Tender should be signed, dated and witnessed in all places for in the documents; all other papers should be initialed.

The tender should be accompanied by Earnest Money Deposit in the requisite from as mentioned in appendix. Tenders without earnest money deposit shall be summarily rejected. The Technical bids of all the parties will be opened at _____ and the price bids of technically successful tenders shall be opened at later date under prior intimation to them.

The person signing the tender on behalf of another person or on behalf of firm shall attach with tender a certified copy of the power of attorney on a non – judicial stamp paper of requisite value duly executed in his favour by such person or all the partners of the firm and must state specifically that he has authority to sign such tenders for and on behalf of other person or firm as the case may be, and in all matters pertaining to the contract including arbitration clause.

This letter shall form part of the "CONTRACT" and must be signed and returned along with the tender documents.

Yours faithfully

REGISTRAR,
PT.RAVISHANKAR
SHUKLA UNIVERSITY,
RAIPUR

Signature of the Contractor

**TENDER NOTICE FOR PROVIDING FURNITURE FOR PT. RAVISHANKAR
UNIVERSITY, RAIPUR**

Ref: Letter No.310/Dev/Tender/2017

Raipur, Dated : 26.10.2017

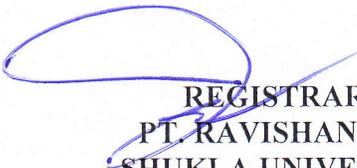
1. Sealed item rates tender is hereby invited from the parties for carrying out the work as mentioned below:

S. No.	Name of the work	Estimated Cost (Rs.)	EMD (Rs.)	Completion Time	Issue of Blank Tender Documents	Last date of submission of Tender
1	Providing Furniture Works for Various Dept Buildings at Pt.Ravishankar Shukla University at Raipur 492001	1,93,56,147	5,80,685	90 days	27.10.2017	02.11.2017

2. Blank tender document (non-transferable) for above work shall be issued from 27.10.2017 to 31.10.2017 on working days from the address given below on payment of required tender fee of Rs.500/- (Rupees five hundred only) (non-refundable) in form of DD/pay order/banker cheque in favor of "Pt. Ravishankar Shukla University", payable at Raipur. The intending tenderers can also download the complete tender document available on the website www.psrु.ac.in and submit the same along with tender fee and requisite earnest money deposit by the due date.
3. Tender document can be purchased from the office of the REGISTRAR, Pt. Ravishankar Shukla University, Raipur 492010 on all working day between 10.30 am to 05.30 pm except on holidays and Sundays, after payment of requisite tender cost as mentioned above.
4. The tender documents duly completed along with EMD and Tender Fee in form of demand draft/pay order in favor of the "Pt. Ravishankar Shukla University" payable at Raipur from any Nationalized Bank will be submitted at the office of the REGISTRAR Pt. Ravishankar Shukla University building, Raipur and technical bid of the parties shall be opened on the same day (i.e. last date of submission) at The tender without EMD shall be rejected.
5. RSU reserves the right to reject any or the entire tender without assigning any reason thereof and also not bound to accept lowest tender. Tenders in whom any of the prescribed condition are not fulfilled or found incomplete in any respect are liable to be rejected.
6. Canvassing whether directly or indirectly in connection with tender is strictly prohibited and the tender submitted by the contractors who resort canvassing will be liable to be rejected.

Pre-Qualifying Requirement

1. Intending tenderers should have valid registration of GST, PAN No, EPF, ESIC and Authorized DIC Certificates (District Industrial Corporation). ✓
2. The average turnover of participant firm over last three years should be minimum five crores per annum as per Audited Annual Accounts (i.e. P&L and Balance Sheet) ✓
3. The intending tenderers should have satisfactorily completed at least one work of 80% tender value or two works each of 60% tender value during last three years. ✓
4. Reference of minimum three works done earlier in other University/Institute/Government Organization/R&D Labs. ✓
5. Firms should have minimum at least five years of experience in manufacturing of Modular Office Furniture (Incorporation certificates duly signed by CA / notarized should be submitted) ✓
6. Firms should submit an affidavit regarding not blacklisted from any authority. ✓


REGISTRAR
PT. RAVISHANKAR
SHUKLA UNIVERSITY
RAIPUR



PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR



492010 (CG)

No.310 /Dev./Tender/2017

Raipur, Dated 26.10.2017

REVISED TENDER NOTICE

Pt. Ravishankar Shukla University, Raipur Chhattisgarh intends to have a furniture for its various departments.

Sealed Tenders are invited from reputed manufactures for furniture of institute of Teachers Education, Raipur.

Requirements of the Tender and specification are available in the university website www.prsu.ac.in.

Tender should accompany two separate DD's for document cost Rs.500/- and EMD @3% of the quoted amount.

Last date of receipt of tender: 02.11.2017 (Speed Post / Register Post/Courier only)

Time-5:30 pm

Opening of TECHNICAL BIDS: 03.11.2017 Time-03:00 pm

Opening of FINANCIAL BIDS (Technically Qualified Tenders only): 03.11.2017

Time-04:30 pm

1. The tenderers for above mentioned items and works should be submitted in form of two bids.

(a) **TECHNICAL BID**

(b) **FINANCIAL BID**

The interested manufactures are advised to submit two separate sealed envelopes superscripted TECHNICAL BID and FINANCIAL BID. Both sealed envelopes should be kept in a third sealed envelopes superscripted Tender No.310 /Dev./Tender/2017 Raipur, Dated 26.10.2017 TENDER DOCUMENT FOR FURNITURE WORK OF B.ED BUILDING, UTILITY BUILDING, SPORTS HOSTEL AND OTHER BUILDINGS OF Pt. Ravishankar Shukla University Raipur (C.G.), last day of submission, dates of opening of TECHNICAL BID and FINANCIAL BID as indicated above and should be addressed to the Registrar, Pt. Ravishankar Shukla University Raipur (C.G.)

INDEX OF TENDER DOCUMENTS

<u>S NO.</u>	<u>DESCRIPTION</u>	<u>PAGES</u>
1.	CHECK LIST	
2.	INTRODUCTION TO TENDERERS	
3.	GENERAL TERMS AND CONDITIONS	
4.	SPECIAL CONDITIONS	
5.	TECHNICAL SPECIFICATIONS.	
6.	BILL OF QUANTITY	
7.	LIST OF APPROVED MAKE	

PT. RAVISHANKAR SHUKLA UNIVERSITY RAIPUR, 492010 (C.G.)

CHECKLIST OF TENDER DOCUMENTS

Tenders shall be submitted in two separate sealed envelopes super scribing as following:-

TECHNICAL BID		
S.No.	Name of Document	Check
a)	Detailed Drawings with concept in 3D views.	
b)	Technical specifications and literature/manuals of the goods/service to be supplied.	
c)	Technical compliance statement with improvements /Correction, if any.	
d)	Authorized DIC Certification (District Industrial corporation)	
e)	Documentary proof in support of PAN No, GSTIN No, and provident fund and Employees State Insurance Corporation Certificate (ESIC Certificate).	
f)	Approved Mockups.	
g)	University reserve the right to accept or reject any quotation without assigning any reason thereof.	
h)	The minimum warranty period of six month for the project from the date of completion.	
i)	Minimum three works done reference of other University/Institute/Government Organization/R&D Labs. Supplied items and fixing details/name of the organization, contact person's name and mailed and contact numbers.	
j)	Original Quality Certification from ISO and BIFMA and warranty Certificate with clear mention of item Serial No, Model No. Year of Manufacturing etc. from original manufacturing company and should be certified from National Test house (Delhi) or any other national Government Recognized Test house of the items.	
k)	DD/Pay-order for EMD 3% of the Estimated cost amount. Drawn in the favor of Registrar, Pt-Ravishankar Shukla University Raipur. Payable at State Bank of India, RSU branch.	
l)	DD/Pay-order for Tender fee i.e. Rs. 500/- if tender form downloaded from website. Drawn in the favor of Registrar, Pt-Ravishankar Shukla University Raipur. Payable at State Bank of India, RSU branch.	
m)	Firm which are exempted from the payment of EMD should furnish attested copy of the currently valid certificate of that effect issued by the competent authority.	
n)	Unsealed quotation will be rejected and quotation must reach on or before the date through Speed Post/Registered Post/Courier only.	
o)	Copy of Incorporation certificates of the firm duly signed by CA / notarized should be submitted for experience of minimum five years.	
p)	Order copy and copy of certificates of organization for satisfactory completion of work, at least one work of 80% tender value or two works	

	each of 60% tender value during last three years.	
q)	Proof of average turnover of participant firm over last three years minimum Five Crores, i.e. CA certified copy of Audited Annual Accounts (P&L and Balance Sheet) of last three years.	
r)	An affidavit regarding not blacklisted from any authority.	

FINANCIAL BID

S.No.	Name of Document	Check
a)	Total price to be charged by the tenderers for executing the work/supply, complete in all respect.	
b)	Unsealed quotation will be rejected and quotation must reach on or before the due date through Speed Post /Registered post/Courier only.	
c)	The cost of project should be inclusive of all taxes and statutory levis, labour/installation charges, packing insurance, freight, transportation etc. should be mentioned separately. Unit price of each product and accessories should be quoted separately. Maximum education discount for University as could be offered should also be mentioned.	
d)	The tenderers submit audited balance sheet of their financial turn over/accounts along with profit and loss account for the last three years along with the technical bid of the tender. Where necessary, the employer can make enquiries with the Tenderers Bankers.	

INSTRUCTIONS TO TENDERERS

1.0 GENERAL

Tenderers are advised to acquaint themselves fully with the description of work, scope of services, time schedule and terms and conditions including all the provisions of the tender document before framing up their tender.

2.0 SITE PARTICULARS

1. Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to nature of work, site conditions, means of access to the site etc. Non-familiar with the site conditions will not be considered a reason either for extra claims or for not carrying out the work in strict conformity with the specifications. For site visit and any clarification/ information / assistance, the intending tenderers may contact **Registrar, Pt.Ravishankar Shukla University Raipur.**

3.0 SUBMISSION OF TENDER

- a) The expression "Tender Notice" referred to in the Tender Documents shall be deemed to include any notice / letter inviting Tender with respect to the work forming the subject matter of the documents and vice-versa.
- b) The tender complete in all respects shall be submitted along with earnest money as stipulated in the Notice / Letter Inviting Tender only. Tenderers without Earnest Money Deposit will be out rightly rejected.

Tenders shall be submitted in twoseparate sealed envelopes super scribing as following:-

ENVELOPE - I

(TECHNICAL BID)

Name of Work : Purchase of Furniture for its various departments.
Tender No. : 310 /Dev./Tender/2017 Raipur, Dated 26.10.2017
Due date & time of opening : 02.11.2017 & 03.11.2017 Time 03:00 pm
Addressed : Registrar
Pt. Ravishankar Shukla University
Raipur -492001
Name & address of the tenderer

deviations/assumptions/ stipulation/ clarifications/ comments/any other request whatsoever and the conditional offers will be rejected.

2. All prices should be quoted as total amount including all charges and taxes.
3. Rate should be including Conceptual Drawings, architectural/consultancy of entire project including supervision.
4. The cost of project should be inclusive of all taxes and statutory levies, labour/installation charges, packing insurance, freight, transportation etc. all the elements should be mentioned separately. Unit price of each product and accessories should be quoted separately. Maximum education discount for University as could be offered should also be mentioned.

GENERAL TERMS AND CONDITIONS:

1. The tender should be in prescribed form downloaded from the university website www.prsu.ac.in . The cost of the tender forms will not be refunded in any circumstance.
2. The tenders for equipment mentioned above should be submitted in form of two bids.
 - a) **TECHNICAL BID**
 - b) **FINANCIAL BID**The interested agencies/firm are advised to submit two separate sealed envelopes superscripted "TECHNICAL BID" and "FINANCIAL BID". both sealed envelopes should be kept in a third sealed envelope superscripted "Tender No.....TENDER DOCUMENT FOR VARIOUS DEPARTMENTS, PT. RAVISHANKAR SHUKLA UNIVERSITY RAIPUR (CG)", last day of submission, dates of opening of "TECHNICAL BID" and "FINANCIAL BID" as indicated above and should be addressed to the Registrar,Pt. Ravishankar Shukla University, Raipur Chhattisgarh.
3. Late and incomplete tenders and tenders without EMD, tender fee will not be accepted.
4. Firms having local sales and service support with trained serviceengineers to offer both emergency & warranty service support within short notice time.
5. All items should have original Quality Certification from ISO and BIFMA and warranty certificates with clear mention of item Serial No., Model No., Year of manufacturing etc. from original manufacturing company and should be certified from National Test House (Delhi) or any other National Government Recognized Test House. Cost of test shall be borne by the vender.
6. You are requested to confirm that in the event of firm is selected for placement of order; your firm will provide warranty from Original Equipment Manufacturer of all components/ sub-systems and certificate of materials from supplier.
7. Any upward and downward revision in statutory taxes/levies during the contractual period (i.e.90 days) shall be borne by employers / university.
8. The warranty period for the project should be for a minimum period of six months from the date of completion.
9. Unsealed tender will be rejected and tender must reach on or before the due date through speed post/registered post/courier only.
10. University reserves the right to accept or reject any quotation without assigning any reason thereof.
11. The Project completion time should be maximum 90 days from the date of issue of order / execution of agreement.
12. Progress chart report should be submitted every week, duly signed by the consultant/owner.
13. All the disputes will be subject of Raipur Jurisdiction.
14. In case delayed execution / completion of part / fully works/supply due to contractor reason penalty shall be levied @ 0.50% of contract value for delayed of per week or part thereof. Further maximum penalty for delayed execution of contract shall not exceed the 10% of contract value.

TECHNICAL SPECIFICATION

SCOPE OF WORK :-

SELECTION INCLUDES:

Based on approved make list and technical specifications

- Furnish all items as per the BOQ. include delivery to the building, set in place, level, scribe provide and fix to walls and floors as required.
- Supply & install all office furniture with fittings identified.
- Removal of all debris, dirt and rubbish accumulated as a result of the installation of the office furniture to an onsite container leaving the premises broom clean and orderly.

BASIS OF WORK

- It is the intent of this specification to use specification to use specified make list as the standard of construction for items.
- Pt. Ravishankar Shukla university reserves the right to reject qualified or alternate proposals and to award based on product greater integrity of product.

QUALITY ASSURANCE

- The bidder shall provide items manufactured & shipped with proper packing & should take the full responsibility of the entire scope of works as specified in the tender.
- General performance: furniture shall meet the performance requirements and should meet the test standards specified in the tender.

MANUFACTURER:-

The selected manufacturer must warrant for a period of six months starting (date of acceptance or occupancy, whichever comes first) that all products sold under the contract referenced above shall be free from defects in material and workmanship.

APPROVAL OF SAMPLES

Upon award of the party shall prepare samples of all BOQ items for factory inspection and approval prior to the commencement of bulk manufacturing against the award.

MATERIALS OF OFFICE FURNITURE

It is the intent of this specification to provide a high quality office furniture (tables, chairs, sofa etc.).

STEEL SHEETS / PIPES:-

M.S. hollow pipe of size 1"×1.5" of first class quality to be used for the dual bench and desk with proper coating of red oxide metal primer and finishing.

PLY WOOD:-

Plywood / medium density fiber board/teak particle board/veneered board etc., as specified in the approved list of manufactures shall only be used.

Only fire retardant type exterior grade phenol formaldehyde bonded, hot pressed ply generally conforming to I.S.I. 5509 of approved make only to be used.

Marine plywood shall generally conform to I.S.710-1980 and also to Defense/ Navy specification bonded, with phenol formaldehyde, treated with wood preservative.

LAMINATE:-

Providing and fixing laminates of 1mm thickness of approved make, shade and quality.

LOW HEIGHT STORAGE:-

Out of 19mm thk commercial plywood and back out of 6mm plywood with bottom ledge finished with the following finish, all wooden surface to be melamine polished with 2/3 coats of melamine polish. The height shall be 0.8 to 0.9 to match the sill of window. No soffit ledge, however the skirting ledge with MDF frame out of 35mm×35mm size finished with 12mm thk commercial and with necessary wooden beadings etc. as per drawing & instructions with laminate of approved shade & make Laminate (1mm thk) and only front area to be measured.

CREDENZA UNITS / SIDE UNITS:-

Providing & fixing in position credenza units made out 19mm marine ply, for officers & staff in general office area and cabin with shelves, drawers, shutters as per drawings, out of 19mm thk plywood finished with material specified below from outside & French polish from inside. Items are to be completed in all respects as per drawing & instructions from EIC. The item shall include two key board trays, one drawer box with a set of drawers and sliding shutters below key board trays as per the drawing and details. All shelves, sliding shutters, drawer box, drawer front etc. shall be out of 19mm thk plywood. Drawer sides shall be in 12 mm thk plywood. Drawer bottom shall be in 6mm thk commercial plywood. The exposed surfaces to be finished as follows and wooden exposed edges are to be finished with 2/3 coats of melamine finish.

CENTER/ SIDE TABLES:-

Providing & arranging in position center tables out of T.W. members with proper joinery & hardware as per drawings of the following sizes. The top to be finished with 12mm thk tinted glass top with beveled edges.

VERTICAL BLINDS:-

Providing and fixing Sunflex / Vista/ Mac / approved equivalent make vertical blinds of approved shade. The blinds to be fixed and commissioned as per manufactures specification.

GLASS:-

Glass used for glazing shall be float glass of best-approved quality free from flaw, specks, and bubbles and shall be of thickness specified in the Schedule of qualities. All thickness of glass from 6mm to 12 mm shall be supplied along with the manufacturer test report. All glass to be of approved manufacturer complying with I.S. 3548-1966 as per approved quality and sample to be of the selective qualities specified and free from bubbles, smoke, air holes and other defects. Polished plate glass shall be "glazing glass" (G;G.) conforming to. The compound for glazing to metal is to be a special non-hardening compound manufactured for the purpose. While cutting glass, as per drawing proper allowance be made for expansion. Each square of glazing to be in one whole sheet. On completion of work clean all glass inside and out, replace all' cracked scratched and broken panes and leave in good condition.

FULL HEIGHT CABINET:-

Size: 2'6"×5'0"×1'6" cabinet construct with 22 swg. S.S.304 Matt finish sheet with hairline finish. Cabinet should have provision for storage with 4 adjustable shelve. Cabinet should have two open able shutter, shutter fitted with fabricated o hinges weld with S.S.304 metal sheet provision in shutter. Shutter should be locked with 2 keys for each lock.

LOCKS:-

Locks, where shown or called for, shall be cam locks as per approved makes.

HOD AND EXECUTIVE CHAIRS

Providing and fixing the chair with the seat and back shall be made up of 1.2cm. thick hot pressed plywood upholstered with leather and moulded Polyurethane foam. The back foam shall be designed with Contoured lumbar support for extra comfort. Size of the chair shall be – Back: 53.0cm. (W) X 79.0cm.(H) and Seat: 49.0cm (W) X 48.0cm. (D). Polyurethane foam shall be moulded with density = $45 \pm 2 \text{ kg/m}^3$ and Hardness = 20 ± 2 On Hampden machine at 25% compression. The seat and back shall be arrested together with a 9.0cm. (w) spine made of 0.8cm thk. HR steel and spine shall be black powder-coated. The armrest assembly shall comprise of three parts viz. the armrest support tube and P.U. armrest and the armresttop. The armrest assembly shall be made of 2.54cm (1") x 14 BG. M.S. E.R.W. support tubes and Chrome plated. P.U. armrest shall be made of black integral skin polyurethane with 50-70 shore 'A' Hardness and reinforced with M.S. insert and armrest top shall be made of ABS & upholstered with foam & leather. Chair shall have pivot synchro tilt mechanism with 12 deg. Seat tilt and 19 deg. back tilt and 360 deg. revolving. The seat base assembly shall be designed with the features 360deg. revolving type without back tilt, pneumatic height adjustment with adjustment stroke of 8.0cm. The Pedestal shall be made of die-cast aluminium with buffing finished. It shall be fitted with 5 nos. twin wheel castors. The pedestal shall be 67.0cm pitch center diameter (77.0cm with castors). The twin wheel castors shall be injection module in 30% Glass filled black nylon complete as per design, drawing and as per specifications.

VISITOR'S AND DISCUSSION CHAIR

Providing and fixing the position of the visitor's chairs as per the drawing. The seat and back shall be made up of 1.2cm thick hot-pressed plywood upholstered with leather and moulded Polyurethane foam. The back foam shall be designed with Contoured lumbar support for extra comfort. Size of the chair shall be – Back: 53.0cm. (W) X 60.0cm. (H) and Seat: 49.0cm (W) X 48.0cm. (D). Polyurethane foam shall be moulded with density = $45 \pm 2 \text{ kg/m}^3$ and Hardness = 20 ± 2 on Hampden machine at 25% compression. The seat and back shall be arrested together with a 9.0cm (w) spine made of 0.8cm thk. HR steel and spine shall be black powder – coated. The armrest assembly shall comprise of three parts viz. the armrest support

tube and P.U. armrest and the armrest top. The armrest tube assembly shall be made of 2.54cm (1") x 14 BG. M.S. E.R.W. support tubes and Chrome plated. Armrest shall be fitted to the seat with powder coated armrest brackets made of 5 mm thick HR steel. P.U. armrest shall be made of black integral skin polyurethane with 50-70 shore 'A' Hardness and reinforced with M.S. insert and armrest top shall be made of ABS & upholstered with foam & leather. Chair shall have PIVOT SYNCHRO TILT mechanism with 12 deg. Seat tilt and 19 deg. back tilt and 360 deg. revolving. The seat base assembly shall be designed with the features 360 degrees revolving type without back tilt, pneumatic height adjustment with adjustment stroke of 8.0cm. The Pedestal shall be made of die-cast aluminium with buffing finished. It shall be fitted with 5 nos. twin wheel castors. The pedestal shall be 67.0cm pitch-center diameter (77.0cm with castors). The twin wheel castors shall be injection module in 30% Glass filled black nylon complete as per design, drawing and as per specifications.

WORK STATION CHAIRS

Providing and fixing in position of the chairs as per the drawing. The seat shall be made of injection molded Plastic outer & inner. Plastic inner shall be upholstered with fabric and moulded Polyurethane foam and back shall be made of 1.2mm hot-pressed plywood & upholstered with fabric and moulded Polyurethane foam & back covers. The back foam must be designed with contoured lumbar support for extra comfort. Size of the chair shall be – Back: 46.0cm. (W) X 50.5cm. (H) and Seat: 46.0cm (W) X 48.0cm. (D). Polyurethane foam shall be moulded with density = 45+/-2 kg/m³ and Hardness = 20+/-2 on Hampden machine at 25% compression. The seat and back covers shall be injection moulded in black co-polymer polypropylene. The armrest shall have four ranges of adjustment height, swivel, front & back, width. Height adjustment shall be in armrest structure & all other adjustment shall be provided in pad which is fixed to armrest structure. Armrest Top shall be made up of PU molded over plastic inner. It shall have Bio- Synchro Mechanism with the features 360 degrees revolving, single point control, front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring more comfort, side tilt tension adjustment can be operated in seating position, 5-position Tilt limiter giving option of variable tilt angle to the chair. Seat/back tilting ratio 1:2 (110 seat tilt / 220 back tilt) and seat glides in tandem with back to ensure full contact and support of user's lumbar area. Seat depth adjustment shall be integrated in the seat through a sliding mechanism with the seat depth range is of 6.0

cm. Backrest shall be connected to the mechanism with a drop-lift mechanism which can be adjusted in the range of 7.0 cm and held in 7 positions for the better lumbar support. It must have pneumatic height adjustment has an adjustment stroke of 10.0 cm. The pedestal shall be injection moulded in black 30% Glass Filled Black Nylon complete as per design.

AUDITORIUM CHAIRS

Seat Rest Assembly- The Seat Rest assembly is 1.5 cm thk marine plywood insitu moulded with moulded polyurethane foam & upholstered with fabric. Seat Size 530mm. (W) x 600mm (D) x 950mm (H)

Back Rest Assembly- The back rest assembly is made up of a M.S. fabricated frame insitu moulded with moulded polyurethane foam. The back foam is designed with contoured lumbar support for extra comfort. Back Size 46.5cm. (W) x 62.5cm (D) x 9.5cm (T) Avg.

Polyurethane Foam- The Polyurethane foam for seat and back is moulded with density = 45 ± 2 kgs/cu.m. and hardness = 20 ± 2 on Hampden machine at 25% compression.

Armrest- The armrest is made up of integral polyurethane foam and reinforced with M.S. insert. The armrest is available with Cup holder.

Sliding Mechanism- The Sliding Mechanism is fabricated from M.S. sheets forming linkages providing a synchronous motion for seat & back. The sliding stroke for the seat is 100mm. The mechanism houses the seat & back.

Side Panel/Aisle Panel The chair rests on the ground on two side panels frames made of 2.5mm thk CR steel. Each Side panel is fitted with two upholstered practical board of 9mm thk. The side panel frame is grouted to the floor using foundation expansion bolts through base.

SOFA

Providing and fixing Seater sofa of Synthetic Leather with Polyester fiber wadding 175 GSM (18mm). The back and seat shall be PU foam of 32d, 28d, 23d in various positions with expanded PF sheet for load distribution in seats. Durable rubber webbings of 50 mm & 70 mm shall be used and Cotton webbing on wooden surface to prevent sharp

edges shall be used. Pinewood of various thickness and length, duly dried as base structure shall be used complete as per design, drawing and as per specifications.

CORNER TABLE FOR THE HOD'S CABINS AND WAITING AREA:

Providing and fixing in position of the corner tables as per the drawing. The understructure shall be an assembly of tubular frames of M.S.E.R.W. tube dia.1.9cm. (3/4") x 18BG.thick held together with a tubular sleeve and m/c.screws. Rubber grommets fitted glass-top mounting brackets made of 0.25thk. CR steel shall be fitted to the tubular frames. The tubular frames must be black powder coated. It shall have dimensions 44X44X40.0cm complete as per design, drawing and as per specifications / additional specifications.

BED FOR THE HOSTEL

Providing and fixing in position of the single bed as per the drawing. It shall be made of M.S pipe 24.4 X 50.8 X 1.2 thick, M.S. pipe 19.05 X 19.05 X 0.8 thick, M.S. angle 20 X 20 X 1.6 thick, M.S. pipe of dia 50.8 X 0.9 thick, M.S. pipe of dia 15.875 X 0.8 thick. It shall have dimensions length 6', breadth 3' and height 1'6" as shown in the drawing. Frame shall be in black oil paint. All complete as per design, drawing and as per specifications.

MODE OF MEASUREMENTS:-

The rate shall include the cost of all materials, labours etc. complete as specified in the item. The rate shall be measured in Nos. basis/ Units as per the specified in the tender.

- The Specification is for work to be done, item to be supplied and materials to be used in the works as shown and defined on the drawings and described herein, all under supervision and to the satisfaction.
- The workmanship is to be the best available and of a high standard, use must be made of a special trades men in all aspect of the work and allowance must be made in the rates for so doing.
- The materials and items to be provided by the contractor shall be approved in accordance with any samples which will be submitted for approval by Contractor and generally in accordance with the specifications.
- Also if products are specified in the Specification and/or bill of brand, trade name or catalogue reference, the Contractor will be required to obtain the approval of before using the materials.
- Samples of all materials are to be submitted to the Architects for approval before the Contractor orders or deliver the materials at site. Samples together with their packing are to be provided free of charge by the Contractor and should any materials be rejected, they will be removed from the site at the Contractor's expense.
- All samples will be retained for comparison with materials which will be delivered at the site. Also, the Contractor will be required to submit specimen finishes of colours, fabrics etc. for the approval before proceeding with the work.
- The contractor shall be responsible for providing and maintaining and boxing or other temporary coverage's required for the protection of dresses or finished work if left unprotected.
- He is to clean out all shelving, out ends and other waste from all pairs of the works before coverings or in-fillings are constructed. Templates, boxes and

moulds shall be accurately set out and rigidly constructed so as to remain accurate during the time they are in use.

- Only first class workmanship will be accepted.
- Contractor shall maintain uniform quality and consistency in workmanship throughout.
- If directed, materials shall be tested in any approved Testing Laboratory and the Test Certificate in original shall be submitted and the entire charges of testing including charges for repeated tests if ordered shall be borne by the Contractor. It shall be obligatory for the Contractor to furnish Certificate, if demanded from manufacturer or the material supplier that the work has been carried out by using their material and as per their recommendation.

PROVIDING FURNITURE WORKS FOR B.ED./UTILITY/SPORT'S HOSTEL AND OTHER BUILDINGS, PT. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR (C.G.)

S.NO.	DESCRIPTION	UNITS	QUANTITY	RATE	AMOUNT
1	DUAL DESK AND BENCH				
	<p>Providing, Supplying and fixing of Dual Desk and bench (Desk Size 3'6"x1'6"x2'6")(1050mmx920x780) and (Bench Size 3'6"x1'6"x1'6") made of M.S (mild steel) hollow pipe section of thickness (1"x 1 1/2") finished with ISO plywood and 1 mm thick laminate of (Green/Royale Touche or equivalent) with storage for books below the top of 6" using adhesive of make pidilite or equivalent. Both bench and desk will be attached to each other with a gap for movement and sitting and act as one unit. The storage below desk will be of perforated / plain MS sheet. M.S hollow pipe to finished with steel putty painted with black colourDuco paint. All the vertical hollow pipe section has to be covered with rubber legs at the bottom. Cost includes labour, material, adhesive and transportation.</p>	NOS.	400		
2	TABLE AND CHAIR SET (ONE TABLE AND 4 CHAIR SET)				
	<p>Providing, Supplying and fixing of Table Set with four chairs (3'6"x1'6"x2'6") made of M.S (mild steel) hollow pipe section of thickness (1"x 1 1/2") finished with ISO plywood and 1 mm thick laminate of (Green/Royale Touche or equivalent) using adhesive of make pidilite or equivalent. Plastic chairs of Powder coated tubular frame shall be made of Dia 16mm 2mm thick MS ERW tube and 10 dia rods as connecting members. The seat and back shall be made of Injection moulded Polypropylene. M.S hollow pipe to finished with steel putty painted with black colourDuco paint. At the bottom corner of every side pvc buffer has to be attached for the safety and smooth movement. Cost includes labour, material, adhesive and transportation.</p>	NOS.	9		
3	LECTURE STAND				
	<p>Providing, Supplying of lecture stand of top of (2'x2'x3'6") with storage and bottom of (1'6"x 1'6") finished with 18mm ISO plywood (Green/Century or Equivalent) and 1mm thick laminate of (Green/Royale Touche or equivalent). Provision for amplifier/ sound system to be provided on the shelf for the audio visual system and rest shelf for the storage purpose. All shelf to be made using adhesive of pidilite or equivalent. Cost includes labour, material, adhesive and transportation.</p>	NOS.	18		

4

GREEN BOARD

Providing, supplying and fixing of Green Chalk Board of size 2400mmx1200mm (8'x4') made of green chalk laminate, MDF (medium density fibre) and G.I. sheet. The sandwich of above three layers are framed with heavy anodized aluminium sections and chromium plated covers. Concealed corner clamps are provided at the back side for the wall mounting. Rate includes fitting of Board at site and transportation.

NOS. 14

5

WHITE BOARD

Providing, supplying and fixing of White Board of size 2400mmx1200mm (8'x4') made of aluminium frame constructed with steel-backed and square mite corners. Provided with four whiteboard markers and all mounting hardware. Rate includes fitting of Board at site and transportation.

NOS. 14

6

TEACHER'S TABLE

Providing and fixing in position of the main table as per the drawing. Top panel shall be made up of 24mm(18mm+6mm) thick plywood (Green/Century or equivalent) and side panel shall be made of the 18mm plywood (Green/Century or equivalent). Main table shall have dimensions 6'W X 2'6D X 2'6H and the finishing material shall be 1mm thick laminate (Green/Royale Touche or equivalent) as per approved by the authority. Main Table have 3 drawers one above the other with provision of telescopic channels for smooth sliding on left side of the table with SS finish handles. At the bottom corner of every side pvc buffer has to be attached the safety and smooth movement. Main table will have a 12mm glass top with polish all side with front round molding. All standard hinges, screws, adhesives to be used as per the technical specification attached with. Cost includes labour, material, adhesive and transportation.

NOS. 10

7

CLASSROOM TEACHER'S TABLE AND CHAIR SET

Providing and fixing in position of the main table as per the drawing. Top panel shall be made up of 24mm(18mm+6mm) thick plywood (Green/Century or equivalent) and side panel shall be made of the 18mm plywood (Green/Century or equivalent). Main table shall have dimensions 4'W X 2'6D X 2'6H and the structure of chair shall be made of 18mm plywood of make (GREEN/CENTURY PLY or equivalent). Chair will have dimension 2' X 2'6 X 1'6. The finishing material shall be 1mm thick laminate (Green/ Royale Touche or equivalent) as per approved by authority.

NOS. 14

8

H.O.D. TABLE

Providing and fixing in position of the main table as per the drawing. Top panel shall be made up of 24mm (18mm+6mm) thick plywood (Green/Century or equivalent) and side panel shall be made of the 18mm pre laminated mdf particle board with edge lipping and laquer coating. Main table shall have dimensions 8'W X 2'6D X 2'6H and Main Table have 3 drawers one above the other with provision of telescopic channels for smooth sliding on left side of the table with SS finish handles. At the bottom corner of every side pvc buffer has to be attached for the safety and smooth movement. Both main and side table will have a 12mm glass top with polish all side with front round molding. Cost includes labour, material and transportation.

NOS. 1

9

CENTRE TABLE

Providing and fixing glass top rectangular top center table as per the drawing. It shall have overall size 5' (W)X2'(D)x1'6(H). The understructure of the table shall be made of MDF laminated with wooden texture and water proof paper. Top glass shall be 10mm thick and bottom glass shall be 5mm thick. The accessories used in the table shall be metal alloy and stainless steel complete as per design, drawing and as per specifications / additional specifications & as directed by Engineer-in-Charge.

NOS. 1

10

RECEPTION TABLE

Providing and fixing in position of the main table as per the drawing. Top panel shall be made up of 24mm (18mm+6mm) thick plywood (Green/Century or equivalent) and side panel shall be made of the 18mm plywood (Green/Century or equivalent). Main table shall have dimensions 8'W X 2'6D X 2'6H and the finishing material shall be 1mm thick laminate (Green/Royale Touche or equivalent) as per approved by the authority. Main Table have 3 drawers one above the other with provision of telescopic channels for smooth sliding on left side of the table with SS finish handles. At the bottom corner of every side pvc buffer has to be attached. Both main and side table will have a 12mm glass top with polish all side with front round molding. All standard hinges, screws, adhesives to be used as per the technical specification. Cost includes labour, material and transportation.

NOS. 1

11

Computer TABLE

Providing, fixing and supplying of Island pattern Computer Table of size (15'x2'x2'6") made of 18mm plywood of make (Green/Century ply or equivalent) finished with 1mm thick laminate of make (Green/Royale Touche or equivalent) provided with a drawer fixed with telescopic channels, keyboard tray with end fitting made from 2mm thick MS steel mounted on either side with two telescopic channels and balls and provision for CPU system. At the bottom corner of every side pvc buffer has to be attached for safety and smooth movement. Cost includes labour, material and transportation.

Running
Meter (40
Students) 36.58

12

OFFICE CHAIRS (FOR TEACHER'S AND H.O.D. ROOM)

Providing and supplying High Back Chairs of size Back: cm. (W) X 62.0cm (H) and Seat: 49.0cm. (W) X 48.0cm. (D). – SS based revolving disc seat fixed on strong support with hydraulic lift for adjustment purpose with proper handrest. The back foam must be designed with contoured lumbar support for extra comfort. The seat and back covers shall be injection moulded in black co-polymer polypropylene. The armrest shall have four ranges of adjustment height, swivel, front & back, width. Height adjustment shall be in armrest structure & all other adjustment shall be provided in pad which is fixed to armrest structure. Armrest top shall be made up of PU molded over plastic inner. The pedestal shall be made of die-cast aluminium with buffing finished. It shall be fitted with five nos. twin wheel castors. SS based frame of 5 legs with castor wheel and vertical SS pipe of 50mm diameter. All material provided will be of ISI specification. Cost includes labour, material and transportation.

NOS. 12

13

COMPUTER CHAIRS

Providing and fixing in position of the chairs as per the drawing. The seat shall be made of injection molded Plastic outer & inner. Plastic inner shall be upholstered with fabric and moulded Polyurethane foam and back shall be made of 1.2mm hot- pressed plywood & upholstered with fabric and moulded Polyurethane foam & back covers. The back foam must be designed with contoured lumbar support for extra comfort. Size of the chair shall be – Back: 46.0cm. (W) X 50.5cm. (H) and Seat: 46.0cm (W) X 48.0cm. (D). Polyurethane foam shall be moulded with density = 45+/-2 kg/m³ and Hardness = 20+/-2 on Hampden machine at 25% compression. The seat and back covers shall be injection moulded in black co-polymer polypropylene. It shall have Bio- Synchron Mechanism with the features 360degrees revolving, single point control, front-pivot for tilt with feet resting on ground and continuous lumbar support ensuring

NOS. 40

more comfort, side tilt tension adjustment can be operated in seating position, it must have pneumatic height adjustment stroke of 10.0 cm. The pedestal shall be injection moulded in black 30% glass- filled Nylon and fitted with 5 nos. twin wheel castors.

14 VISITOR'S CHAIRS

Providing and fixing in position of the visitor's chairs as per the drawing. The seat and back shall be made up of 1.2cm thick hot- pressed plywood upholstered with leather and moulded Polyurethane foam. The back foam shall be designed with Contoured lumbar support for extra comfort. Size of the chair shall be – Back: 53.0cm. (W) X 60.0cm. (H) and Seat: 49.0cm (W) X 48.0cm. (D). Polyurethane foam shall be moulded with density = 45+/-2 kg/m³ and Hardness = 20+/-2 on Hampden machine at 25% compression. The seat and back shall be arrested together with a 9.0cm (w) spine made of 0.8cm thk. HR steel and spine shall be black powder – coated.

NOS. 33

15 TRAINING CHAIRS (SEMINAR HALL)

Providing and Supplying of Training Chairs MS (mild steel) based covered with PVC with writing tablet and storage, seat covered with foam. All material provided will be of ISI specification. Cost includes material and transportation.

NOS. 350

16 AUDITORIUM'S CHAIRS

Providing and supplying of Auditorium Chairs- The Seat rest assembly is 1.5cm thk marine plywood insitumoulded with moulded polyurethane foam & upholstered with fabric. Seat Size 530mm. (W) x 600mm (D) x 950mm (H). The back rest assembly is made up of a M.S. fabricated frame insitumoulded with polyurethane foam. The back foam is designed with contoured lumbar support for extra comfort. Back Size: 46.5cm. (W) X 62.5cm. (D) X 9.5 cm (T) Avg. The Armrest is made up of integral polyurethane foam and reinforced with M.S insert. The armrest is available with Cup Holder. The Sliding Mechanism is fabricated from M.S sheets forming linkages providing a synchronous motion for seat & back. The chair rests on the ground on two side panels frames made of 2.5mm thk CR steel. Each Side Panel is fitted with two upholstered practical board of 9mm thk.

NOS. 400

17 SOFA

Providing and supplying of Sofa Providing and fixing Seater sofa of Synthetic Leather with Polyester fiber

	wadding 175 GSM (18 mm). The back and seat shall be PU foam of 32d, 28d, 23d in various positions with expanded PF sheet for load distribution in seats. Durable rubber webbings of 50 mm & 70 mm shall be used and Cotton webbing on wooden surface to prevent sharp edges shall be used. Pinewood of various thickness and length, duly dried as base structure shall be used complete as per specifications.	PER SEATER	5
18	STEEL ALMIRAH		
	Providing and supplying of Steel Almirah of Size: 2'6" x 7'0" x 1'6" Cabinet construct with 22 swg. S.S.304 Matt finish sheet with hairline finish. Cabinet should have provision for storage with 4 adjustable shelves. Cabinet should have teo open able shutter, shutter fitted with fabricated on hinges weld with S.S.304 metal sheet provision in shutter. Shutter should ne lockable with 2 keys for each lock.	NOS.	20
19	RACKS		
	Providing and supplying of MS based rack of size (3'x1'6"x6') with three shelf for storage fixed with nuts and bolts finished with grey enamel paint. Cost includes labour, material and transportation.	NOS.	25
20	BOOK CASE		
	Providing and supplying of MS based 4 Shelf Book Case of size 2'6"Lx 1'3"Dx 5'6"H for storage and file nuts and bolts. Door of MS frame with 8mm glass with locking mechanism and two SS handles. Cost includes labour, material and transportation.	NOS.	10
21	LOW HEIGHT CABINET		
	Providing and supplying of low height cabinet of size 3' x 1'6"x 2'6" finished with 18mm ISO plywood (GREEN/CENTURY OR EQUIVALENT) and 1mm thick laminate of make GREEN/ROYALE TOUCHE or equivalent fixed with hinges, two drawers fixed with telescopic channels, and lock. Two Drawers one upon another to be provided with telescopic channels for smooth sliding and SS finished handles. Cost includes labour, material, adhesive and transportation.	NOS.	10
22	BOOK SHELVES (FOR LIBRARY)		
	Providing and supplying of Full height shelf of size (3'Lx 1'6"Dx 6'H) MS bases, Shutter of glass fixed with hinges. Shutter finished with SS handles. Cost includes labour,	NOS.	12

material and transportation.

23

BED FOR HOSTEL

Providing and fixing in position of the single bed as per the DRAWING. It shall be made of M.S pipe 24.4 X 50.8 X 1.2 thick, M.S. pipe 19.05 x 19.05 x 0.8 thick, M.S. angle 20 x 20 x 1.6 thick, M.S. pipe of dia. 50.8 x 0.9 thick, M.S. pipe of dia. 15.875 x 0.8 thick. It shall have dimensions length 6', breadth 3' and height 1'6" as shown in the drawing. Frame shall be painted in black oil paint. All complete as per design, drawing and as per specifications. Bed provided with mattress contain an inner spring core and materials such as latex, viscoelastic or other flexible polyurethane foams. Cost includes labour, material, adhesive and transportation.

NOS. 100

24

BLINDS

Providing and applying desired vertical blinds of 100% woven polyester polymer coated glass fibre. Many are treated with Teflon Fabric Protector and Sanitized Antimicrobial Protection of approved shade to windows of ground floor and first floor. The operating hardware is cycle tested to ensure long term durability.

SQM. 280

GST Extra