



EdCIL/PROC/RGIPT-2018/FURNITURE-PKG-1

BID DOCUMENT

NATIONAL COMPETITIVE BIDDING

FOR

SUPPLY, INSTALLATION, COMMISSIONING AND MAINTENANCE OF
FURNITURE ITEMS (PKG-1) FOR
RAJIV GANDHI INSTITUTE OF PETROLEUM AND TECHNOLOGY, JAIS,
AMETHI

NIT No.: EdCIL/PROC/RGIPT-2018/FURNITURE-PKG-1

PART-II- FINANCIAL BID



EdCIL (India) Limited

(A Govt. of India Mini Ratna Enterprises)

'EdCIL House', Plot No. 18A, Sector- 16A

NOIDA – 201301 (UP), INDIA

Tel: 0120 – 2512001-006, FAX: 0120-2515372

Dated: 15-06-2018

This document is serially numbered from page number 01 to 24

FINANCIAL BID

Instructions to Bidders

1. Financial Bid shall be submitted with full price details.

Financial Bid shall contain only the prices duly filled in as per the format given in Schedule of Rates provided in the tender document. Price bid should not have any Commercial and/or Technical stipulation in addition to, what is already given in Part I – Technical Bid.

Financial Bid Standard Forms Namely Form-1, Form-2 (Annexure-I & Annexure-II) along with financial bid submission form shall be used for the preparation of the price quote according to the instructions provided.

2. The Bidder should quote for all the items listed in this document. In case, the Bidder/s does not quote for all the items, the Bid shall be treated as incomplete and shall be rejected summarily.
3. The Items to be supplied/ delivered/ installed/ commissioned at RGIPT Campus as shown in the enclosed **Annexure V**. The rate shall be inclusive of all charges including octroi, transportation (as per the location), packing, loading and unloading (at designated location), Insurance etc. and nothing shall be paid extra.
4. The bid shall be evaluated on total value of all items as shown in summary and supply order shall be placed to a bidder as a composite bid.
5. The prices quoted by the bidder shall be fixed for the quantity mentioned for the duration of the contract and shall not be subject to adjustment on any account. Price should be firm for any positive or negative variation in quantities up to 100%.
6. The changes displayed in the corrigendum/addendum to the bid documents, particularly with the financial bid should be attached with the **Financial Bid Submission Form**, in the same packet, duly signed and stamped by the authorized signatory of the Bidder firm.
7. The financial bid Form-1, Form-2 (Annexure-I & Annexure-II) along with financial bid submission form should be filled in all respect and uploaded in **PDF** format (only) duly signed and sealed by the authorized representative. In case, the financial bid documents are not complete in all respect the same should be treated as incomplete at financial bid stage and shall be considered non-responsive.



FINANCIAL BID SUBMISSION FORM

To:

Chief General Manager (EIS & EPS)
EdCIL (India) Limited
EdCIL House, 18 A, Sector-16 A
NOIDA – 201301 (U.P.), India

Dated: ____/____/2018

Dear Sir,

We, the undersigned, offer to provide “Supply, Installation, Commissioning and Maintenance of Furniture Items (Pkg-1) For Rajiv Gandhi Institute of Petroleum and Technology, Jais, Amethi” In accordance with your request for proposal dated ____/____/2018.

Our attached Financial Bid is for the amount of _____ *[Indicate the corresponding to the amount(s), currency(ies) {Insert amount(s) in words and figures}]*.

Please note that all amounts shall be the same as in Form-1. Our Financial Bid shall be binding upon by us subject to the modifications resulting from Contract negotiations, if any, up to expiration of the validity period of the Proposal.

Yours sincerely,

Authorized Signature {In full and initials}:

Name and Title of Signatory:

In the capacity of:

Address:

E-mail:

FORM-1
SUMMARY OF FINANCIAL BID

S. No.	Description of Items	Amount (exclusive of Tax) (Rs.)	Taxes (Rs.)	Amount (Inclusive of Tax) (Rs.)
1	Integrated Lecture Hall Table & Bench (Type-1)			
2.	Lecture Hall Table (Type-2)			
3	360° Revolving Fixed chair (Type-1)			
4	360° Revolving Fixed chair (Type-2)			
5.	Single Bed			
6.	Monolithic Study Table			
7.	Study Chair			
8.	Almirah			
9.	Rack for hostel room			
10.	Auditorium Chair with Retractable Desklet			
11.	Comprehensive Annual Maintenance Charges			
	Total (Rs.)			
Total Price Bid (exclusive of taxes) (in Words) (Rupees.....)				
Total Price Bid (Inclusive of taxes) (In Words) (Rupees.....)				
Signature of bidder				
Name & Address				
Date				
Note:				
i)	<i>Unit price should include the cost of warranty for one year and freight and other charges such as loading/unloading, storage etc. AMC payment shall be made on quarterly basis.</i>			
ii)	<i>Discount or any other offers affecting the package price must be mentioned here only and shall not be considered if mentioned at any other place of the bid.</i>			
iii)	<i>In case of discrepancy between unit price and total amount, the unit price shall prevail.</i>			
iv)	<i>Bids shall be evaluated based on total amount with taxes.</i>			

FORM-2
(FINANCIAL BID)

ANNEXURE-I

S. No.	Description of Item & Specification	(Make/Model)	Qty. in Nos.	Unit Price (Rs.)	Amount (Exclusive of Tax) (Rs.)	GST in Rs. (also indicate in %)	Amount (Inclusive of Tax) (Rs.)				
			1	2	3 = (1 x 2)	4	5 = 3+4				
1	Integrated Lecture Hall Table & Bench (Type-1)		132								
1.(a)	Extra over and above item no. 01 (Rate Only)		1		-NA-	-NA-	-NA-				
2.	Lecture Hall Table (Type-2)		40								
2.(a)	Extra over and above item no. 02 (Rate Only)		1		-NA-	-NA-	-NA-				
3	360° Revolving Fixed chair (Type-1)		168								
4	360° Revolving Fixed chair (Type-2)		112								
5.	Single Bed		1072								
6.	Monolithic Study Table		1072								
7.	Study Chair		1072								
8.	Almirah		1072								
9.	Rack for hostel room		1008								
10.	Auditorium Chair with Retractable Desklet		430								
GRAND TOTAL (Rs.) (Carry forwarded to Summary)											
Total Amount (exclusive of taxes) (in Words) (Rupees.....)											
Total Amount (Inclusive of taxes) (In Words) (Rupees.....)											
Signature of bidder											
Name & Address											
Date											
NOTE:											
I)	Unit price should include the cost of warranty for one year and freight and other charges such as loading/unloading, storage etc.										
II)	Discount or any other offers affecting the package price must be mentioned here only and shall not be considered if mentioned at any other place of the bid.										
III)	In case of discrepancy between unit price and total amount, the unit price shall prevail.										
IV)	Bids shall be evaluated based on total amount with taxes.										

ANNEXURE – II

COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT

PRICE SCHEDULE

S. No.	Item Description	Qty. in Nos.	Unit price for 2 nd Yr.	Unit price for 3 rd Yr.	Combined Unit Price for 2 nd & 3 rd Year	Amount (exclusive of taxes)	Total Taxes in Rs. (also indicate %)	Amount (Inclusive of taxes)
A	B	D	E	F	G= E+F	H= D*G	I	J=H+I
1	Integrated Lecture Hall Table & Bench (Type-1)	132						
2.	Lecture Hall Table (Type-2)	40						
3	360° Revolving Fixed chair (Type-1)	168						
4	360° Revolving Fixed chair (Type-2)	112						
5.	Single Bed	1072						
6.	Monolithic Study Table	1072						
7.	Study Chair	1072						
8.	Almirah	1072						
9.	Rack for hostel room	1008						
10.	Auditorium Chair with Retractable Desklet	430						
	Sub-Total							
Total Amount (exclusive of taxes) (in Words) (Rupees.....)								
Total Amount (Inclusive of taxes) (In Words) (Rupees.....)								
Signature of bidder								
Name & Address								
	Date							
Note:								
I)	Unit price should include the cost of warranty for one year and freight and other charges such as loading/unloading, storage etc.							
II)	Discount or any other offers affecting the package price must be mentioned here only and shall not be considered if mentioned at any other place of the bid.							
III)	In case of discrepancy between unit price and total amount, the unit price shall prevail.							
IV)	Bids shall be evaluated based on total amount with taxes.							

ANNEXURE-III
DETAILED TECHNICAL SPECIFICATIONS

S. No.	Description of Items	Technical Specification
	Lecture Hall Furniture:	
1.	Integrated Lecture Hall Table & Bench (Type-1)	Supply & Installation of Integrated Lecture Hall Table & bench (Type-1) for Lecture Hall having following specifications: - This unit has to be mounted in a lecture theatre of step ladder type with each ladder (Tread) of approx 1350 mm. (The layout will be provided with the order). Table: - Overall Desk Dimension 4350 Length X 500 Width X 750H. - The desk top panels are made from 25 mm thick Pre-Laminated Boards conforming to IS 2380(1977) with Density: 600 –900 kg per meter cube, Moisture content: 5.10%, Swelling due to water absorption: max 6% of approved shade with 2 mm thick PVC edge banding of matching colour of Good quality (REHAU or equivalent as approved by EdCIL) on all sides. 3 Electrical panels should be provided on the top of the table having two sockets in each. - Electrical raceway should be provided under the top. - Vertical desk frame Made of CRCA tubes 80mm x 40mm x 2.5 mm thick powder coated supported with 6mm thick base plate grouting on the floor. - The bottom grouting base plate should be 6mm thick having dimensions 150mm x 70mm to be grouted at floor with fasteners according to the available flooring. - Horizontal support and top support pipe is designed with rectangular 70mm x 30mm x 2mm thick pipes Made of CRCA tubes - Intermediate angle supports having size of 30mm x 30mm x 1.6mm thick to attain proper strength. - All the connection should be properly welded. - Sides of the table should be covered with 18mm thick pre-laminated particle board appropriately minimum depth of 300 mm from the table top. - Modesty of the desk designed with 18mm thick pre-laminated particle board, the modesty of the desk is designed with pre-laminated particle board with height of 600 mm. - All edges should be rounded. - All the metal structure should be epoxy powder coated after 7 tank treatment process with minimum powder coating thickness of 50 ±10 microns with Impact Resistance Test – To 150 kgs/m³ as per BS 3900/E3, Scratch Hardness- Upto 4 kgs as per BS 3900/E2, Salt Spray Test.

S. No.	Description of Items	Technical Specification
		- All tube ends to be provided with high density caps. Bench: - Overall Bench Dimension – 4350 (Length) X 450 (Width) - Bench seat Height from floor 450mm, - Bench back height 900mm, Inclination of 10 degree on the back rest of Bench is provided for comfort of the student - Back should be made up from 18mm thick PLPB conforming to IS 2380(1977). - Bench seat designed with 25 mm thick Pre-Laminated Boards conforming to IS 2380(1977) with Density: 600 –900 kg per meter cube, Moisture content: 5.10%, Swelling due to water absorption: max 6% of approved shade of approved shade. - Sides of the bench should be covered with 18mm thick pre-laminated particle board appropriately flushing with the seating top. 2mm thick edge banding with rounded edges for smooth finish of matching colour of Good quality (REHAU or equivalent as approved by EdCIL) on all sides - Vertical bench frame having height of 900mm Made of CRCA tubes 80mm x 40mm x 2.5 mm thick powder coated supported with 6mm thick base plate grouting on the floor. - The bottom grouting base plate should be 6mm thick having dimensions 150mm x 70mm to be grouted at floor with fasteners according to the available flooring. - Horizontal support and Seat support pipe is designed with rectangular 70mm x 30mm x 2mm thick pipes Made of CRCA tubes - Bag cum book Shelf/ Mesh should be provided under the bench made from 5mm thick MS powder coated wire welded with 25 mm round pipe having dimensions depth 300 mm with height from ground is 100 mm. - All edges would be rounded. - All the metal structure should be epoxy powder coated after 7 tank treatment process with minimum powder coating thickness of 50 ±10 microns with Impact Resistance Test – To 150 kgs/m³ as per BS 3900/E3, Scratch Hardness- Up to 4 kgs as per BS 3900/E2, Salt Spray Test. - All tube ends to be provided with high density caps.
1.(a)	Extra over and above item no. 01 (For Rate Purpose Only)	Extra for Every 100mm increase in length over and above the length of 4350mm
2.	Lecture Hall Table (Type-2)	Supply & Installation of Lecture Hall Table (Type-2) for Lecture Hall having following specifications:

S. No.	Description of Items	Technical Specification
		- This unit has to be mounted in a lecture theatre of step ladder type with each ladder (Tread) of approx 1350 mm. (The layout will be provided with the order). - Overall Desk Dimension 4350 Length X 500 Width X 750H. - The desk top panels are made from 25 mm thick Pre-Laminated Boards conforming to IS 2380(1977) with Density: 600 –900 kg per meter cube, Moisture content: 5.10%, Swelling due to water absorption: max 6% of approved shade with 2 mm thick PVC edge banding of matching colour of Good quality (REHAU or equivalent as approved by EdCIL) on all sides. 3 Electrical panels should be provided on the top of the table having two sockets in each. - Electrical raceway should be provided under the top. - Vertical desk frame Made of CRCA tubes 80mm x 40mm x 2.5 mm thick powder coated supported with 6mm thick base plate grouting on the floor. - The bottom grouting base plate should be 6mm thick having dimensions 150mm x 70mm to be grouted at floor with fasteners according to the available flooring. - Horizontal support and top support pipe is designed with rectangular 70mm x 30mm x 2mm thick pipes Made of CRCA tubes - Intermediate angle supports having size of 30mm x 30mm x 1.6mm thick to attain proper strength. - All the connection should be properly welded. - Sides of the table should be covered with 18mm thick pre-laminated particle board appropriately minimum depth of 300 mm from the table top. - Modesty of the desk designed with 18mm thick pre-laminated particle board, the modesty of the desk is designed with pre-laminated particle board with height of 600 mm. - All edges should be rounded. - All the metal structure should be epoxy powder coated after 7 tank treatment process with minimum powder coating thickness of 50 ±10 microns with Impact Resistance Test – To 150 kgs/m³ as per BS 3900/E3, Scratch Hardness- Up to 4 kgs as per BS 3900/E2, Salt Spray Test. - All tube ends to be provided with high density caps.
2.(a)	Extra over and above item no. 02 (For Rate Purpose Only)	Extra for Every 100mm increase in length over and above the length of 4350mm
3.	360° Revolving Fixed chair (Type-1)	Supply & Installation of 360° Revolving Medium Back Fixed Chair (Type-1) for Lecture Hall having following specifications 360 Degree Revolving Chair mounted on the floor with the help of grouting hardware.

S. No.	Description of Items	Technical Specification
		- Overall Chair Dimension: Length – 950mm, Width – 500mm, Depth – 480mm. - Backrest – Pre-laminated Particle Board without Cushion. - Seat with hot pressed plywood & upholstered with PU moulded foam having density of 45kg/m³ with Cushion and fabric upholstered. - Hand rest is made from PU upholstered/ PU moulded handles fixed on chrome plated MS pipe. - The chair movement should be upside-downside by pneumatic hydraulic system of Grade-IV. - The metal frame should be duly powder coated with seven tank treatment process. - The base plate of the chair should be made from 8mm thick MS Sheet having dimensions of 200mm x 200mm with at least 5inch length anchor fastener. - All metal structure should have epoxy polyester powder coated after 7 tank treatment process with minimum powder coating thickness 60 micron. - No sharp edges should be there in product.
4.	360° Revolving Fixed chair (Type-2)	Supply & Installation of 360° Revolving Medium Back Fixed Chair (Type-2) for Lecture Hall having following specifications: 360° Revolving Chair mounted on the floor with the help of grouting hardware. - Overall Chair Dimension - Length – 950, Width – 510, Depth – 545 - Back of the chair is made up of hot pressed plywood cushioned with PU foam having density of 35kg/m³ or better, upholstered with high quality fabric. - Seat of the chair is made up of PU molded foam having density of 45kg/m³ with Cushion and fabric upholstered, PU padded Handles. - The chair movement should be upside-downside by pneumatic hydraulic system of Grade-IV. - The base plate of the chair should be made from 8mm thick MS Sheet having dimensions of 200mm x 200mm with at least 5inch length anchor fastener. - Crape Fabric should be used of branded company. - All metal structure should have epoxy polyester powder coated after 7 tank treatment process with minimum powder coating thickness 60 micron

S. No.	Description of Items	Technical Specification
	Hostel Room Furniture:	
5.	Single Bed	Supply & Installation of Single Bed for Hostel Room having following specifications: - Overall Size of the bed: 1050mm (W) x 2010mm (L) x 500mm (H). - The Clear height of bed shall be 450mm i.e. from ground to base of the horizontal frame. - The bed shall be raised above the level of horizontal frame at both the head end and Tail end. - The raising height should be 720mm at head side and 600mm at Tail (Leg) side. - Bed metal frame shall be made from MS/ CRCA steel pipe. - Raised head & tail frame consists of 40 mm dia x 1.2mm thick pipe having curved ends. - Raised Head & Tail pipe frame shall be supported with 3-4 nos. of 25mm dia x 1.2mm thick pipes on each side. - Horizontal main frame should be made up of rectangular pipe 50mm x 25mm x 1.6mm across the length and width. - Horizontal main frame should be supported with minimum 4 nos. of stiffening pipes of size 25mm x 25mm x 1.2mm. - The top sheet shall be made up of 18mm thick good quality commercial plywood. - All metal part shall be epoxy polyester powder coated after 7 tank treatment process with minimum powder coating thickness of 50±10 microns with Impact Resistance Test –Up To 150 kgs/cm as per BS 3900/E3, Scratch Hardness- Up to 4 kgs as per BS 3900/E2, Salt Spray Test etc. - Wire mesh carrier made of 4mm thick MS powder coated wire (100x50mm) & 25mm x 25mm x 1.2mm square MS pipe frame hanged from top horizontal bed pipe frame. - Size of total mesh shall be 1050mm x 1000mm. - End should be covered with PVC end cap with good quality. - No sharp edges should be there in product. - Necessary high-quality shoes/ bush should be provided.
6.	Monolithic Study Table	Supply & Installation of Monolithic Study Table: - Overall Dimensions: 1200 Width mm x 750 Depth mm x 1575 Height mm, - The table top shall have desk panel made from 25 mm thick Pre-laminated Particle Board confirming to IS 2380(1977) with Density: 600 –900 kg per meter cube, Moisture content: 5.10%, Swelling due to water absorption: max 6% of approved shade, 2mm thick edge bending with rounded edges for smooth finish of matching colour on all edges should be provided.

S. No.	Description of Items	Technical Specification
		- Above table top, there should be a provision of pin up fabric & white board of good quality on half-half part on upper side of table top of size 600 (L) x 450 (H) for both. - One Open overhead shelf should be provided 450mm above the table top having depth 300mm and clearance height 375mm. - The open overhead shelf should be provided in 18mm thick Pre-laminated particle board conforming to IS 2380(1977) with Density: 600 –900 kg per meter cube, Moisture content: 5.10%, Swelling due to water absorption: max 6% of approved shade and 2mm thick edge bending with rounded edges for smooth finish of matching colour on all edges, MS powder coated sheet of 0.8mm thick shall be considered as inner cover for overhead. Overhead shelf should not be mounted on wall. - Free Standing Pedestal of Size - 375mm Width x 550mm Depth x 450mm Height. The shell shall be 0.63 mm thick CRCA MS Plus Drawer tray shall be 0.63 mm thick CRCA MS and Drawer Front shall be 0.8 mm thick CRCA MS - Good quality Steel Aldrop Lock should be provided for the Pedestal Unit. - The foot rest should be made up of MS powder coated pipe of size 150mm (W) x 25mm (H) x 1.6mm thick MS Sheet. - Understructure shall be made of 50 mm x 25 mm x 1.6mm thick powder coated ERW tubes at base which are welded to the vertical pipe shall be made of 1.6 mm thick powder coated MS sections. - End should be covered with PVC end cap with good quality, no sharp edges should be there in product - Level adjusters are provided to take care of unevenness in floor.
7.	Study Chair	Supply & installation of Study Chair having following specifications: - Overall Dimension of the chair is 860mm(H) X 500mm(D) - Seat Dimension is 400mm(SH) X450mm(SD), - Chair frame and arms should be made up of 16Gauge 4 leg design chrome plated at least 20 Micron. - Armrest should be PU foam upholstered & fixed on chrome plated arms. - Seat and back Material- Perforated 16G seat duly steel grey powder coated with epoxy polyester powder coated after 7 tank treatment process with minimum powder coating thickness 60 micron, - Chair legs should be made up of CRCA pipe size Dia. 25.4mmx1.6mm thick. - Seat and back is made up of CRCA perforated sheet thickness 1.2mm. - Arm rest is made up of CRCA round pipe 25.4mm x 1.6mm.

S. No.	Description of Items	Technical Specification
		- The design of chair should be aesthetically appealing and the bidders are advised to take into consideration all cost and expenditures in this regard. Necessary high-quality shoes/ bush should be provided.
8.	Almirah	Supply and installation of Almirah for Hostel rooms having following specifications: - Overall sizes: Height- 1950mm, Width – 900mm, Depth – 475mm - Inner dimensions for boys and girls shall be customized as per the need, - Steel Almirah designed with sheet having thickness 20 gauge for Door & Shelves and 22 gauges for body. 3 hinges on each door should be provided. - Good quality Aldrop lock should be provided, - All structure should have epoxy polyester powder coated after 7 tank treatments with minimum powder coating thickness 50±10 micron, - Product should be welded construction, - Material should be used cold rolled cold annealed (CRCA) material for making the product, - Handle provide should be matching, easy to grip, sleek & elegant, - Minimum Thickness of CRCA Sheet metal should be 22 Gauge for Almirah (Sides, Back, Top & Bottom); 20 Gauge for Shelf, Doors, Legs. - Almirah Lock: Aldrop lock Brass Plunger & Brass lever, Handle MS Chrome plated, Handle Ring PVC Cap, Locking Bar Bright Bar, Dia. 10mm, - Height wise 4nos. of shelf should be provided with uniformly distributed load capacity. - Load capacity for each Shelf should be at least 50Kg, - Shelf & Hanger design should be as per drawing & image. Necessary high-quality shoes/ bush should be provided.
9.	Rack for hostel room	Supply and installation of open rack for hostel rooms: - Over all dimensions: Height - 750mm, Width - 750mm, Depth - 450mm. - Open face type rack made up from 20/22-gauge MS Sheet. - Steel Metal rack designed with three side covered sheet having thickness 20-gauge Sides, top & Bottom and 22 gauges Back. - All structure should have epoxy polyester powder coated after 7 tank treatments with minimum powder coating thickness 60 micron. - Product should be welded construction, material should be used cold rolled cold annealed (CRCA) material for making the product.

S. No.	Description of Items	Technical Specification
		- Shelf CRCA Sheet metal Thickness 20Gauge, Legs CRCA Sheet metal Thickness 20gauge. - load capacity each Shelf should be at least 80Kg, shelf design should be as per drawing & image. Necessary high-quality shoes/ bush should be provided.
	Auditorium Furniture:	
10.	Auditorium Chair with Retractable Desklet	Supply & installation of Auditorium chair with following specifications; - The seat rest & back rest assembly should be 1.2+/-0.1cm Thick flat plywood. - Polyurethane foam moulded and upholstered with 3 layered foam laminated fabric and injection moulded covers. - Auto Tip-Up type and folds when not in use. - Seat size: 455 mm (SH) x 507 mm (W) x 950 mm (TH). - The Back foam is designed with contoured lumbar support for extra comfort. - The polyurethane foam used for seat and back is moulded with density = 45 +/- 2 kg/m³ or better. - Two side panel frames to be provided with chair to rest on the ground. Side panel frames should fabricate from CR Steel 1.2 mm thick sheet which is clad with fabric upholstery. The side panel frames should have grouted on the floor using good quality anchors. - The Armrest is made up of solid beech high quality polished wood with clear lacquer coat. The armrest should be fitted with side panel through a concealed zinc plated hinge. - The armrest is provided with a retractable desklet of size 270mm W x 320mm D or better with 18mm ± 0.5 mm thick prelaminated particle board. Edging should be with in-situ injection moulded Polypropylene all around. - The desklet top is mounted on High pressure die-cast aluminum arm through metal bracket of 2mm thick H.R. Steel. - All steel components should be epoxy polyester powder coated (50 ±10 micron). - The Chair should have upholstered by Fire retardant Fabric. The product should be complete and as per approved sample and as per the direction of Engineer-In-charge.

ANNEXURE-IV

TECHNICAL COMPLIANCE REPORT

S. No.	Description of Items	Technical Specification	Offered specification by the bidder	Whether Comply (Yes/No)
	Lecture Hall Furniture:			
1.	Integrated Lecture Hall Table & Bench (Type-1)	Supply & Installation of Integrated Lecture Hall Table & bench (Type-1) for Lecture Hall having following specifications: - This unit has to be mounted in a lecture theatre of step ladder type with each ladder (Tread) of approx 1350 mm. (The layout will be provided with the order). Table: - Overall Desk Dimension 4350 Length X 500 Width X 750H. - The desk top panels are made from 25 mm thick Pre-Laminated Boards conforming to IS 2380(1977) with Density: 600 –900 kg per meter cube, Moisture content: 5.10%, Swelling due to water absorption: max 6% of approved shade with 2 mm thick PVC edge banding of matching colour of Good quality (REHAU or equivalent as approved by EdCIL) on all sides. 3 Electrical panels should be provided on the top of the table having two sockets in each. - Electrical raceway should be provided under the top. - Vertical desk frame Made of CRCA tubes 80mm x 40mm x 2.5 mm thick powder coated supported with 6mm thick base plate grouting on the floor. - The bottom grouting base plate should be 6mm thick having dimensions 150mm x 70mm to be grouted at floor with fasteners according to the available flooring. - Horizontal support and top support pipe is designed with rectangular 70mm x 30mm x 2mm thick pipes Made of CRCA tubes - Intermediate angle supports having size of 30mm x 30mm x 1.6mm thick to attain proper strength. - All the connection should be properly welded. - Sides of the table should be covered with 18mm thick pre-laminated particle board appropriately minimum depth of 300 mm from the table top.		

S. No.	Description of Items	Technical Specification	Offered specification by the bidder	Whether Comply (Yes/No)
		- Modesty of the desk designed with 18mm thick pre-laminated particle board, the modesty of the desk is designed with pre-laminated particle board with height of 600 mm. - All edges should be rounded. - All the metal structure should be epoxy powder coated after 7 tank treatment process with minimum powder coating thickness of 50 ±10 microns with Impact Resistance Test – To 150 kgs/m³ as per BS 3900/E3, Scratch Hardness- Upto 4 kgs as per BS 3900/E2, Salt Spray Test. - All tube ends to be provided with high density caps. Bench: - Overall Bench Dimension – 4350 (Length) X 450 (Width) - Bench seat Height from floor 450mm, - Bench back height 900mm, Inclination of 10 degree on the back rest of Bench is provided for comfort of the student - Back should be made up from 18mm thick PLPB conforming to IS 2380(1977). - Bench seat designed with 25 mm thick Pre-Laminated Boards conforming to IS 2380(1977) with Density: 600 –900 kg per meter cube, Moisture content: 5.10%, Swelling due to water absorption: max 6% of approved shade of approved shade. - Sides of the bench should be covered with 18mm thick pre-laminated particle board appropriately flushing with the seating top. 2mm thick edge banding with rounded edges for smooth finish of matching colour of Good quality (REHAU or equivalent as approved by EdCIL) on all sides - Vertical bench frame having height of 900mm Made of CRCA tubes 80mm x 40mm x 2.5 mm thick powder coated supported with 6mm thick base plate grouting on the floor. - The bottom grouting base plate should be 6mm thick having dimensions 150mm x 70mm to be grouted at floor with fasteners according to the available flooring. - Horizontal support and Seat support pipe is designed with rectangular 70mm x 30mm x 2mm thick pipes Made of CRCA tubes		

S. No.	Description of Items	Technical Specification	Offered specification by the bidder	Whether Comply (Yes/No)
		- Bag cum book Shelf/ Mesh should be provided under the bench made from 5mm thick MS powder coated wire welded with 25 mm round pipe having dimensions depth 300 mm with height from ground is 100 mm. - All edges would be rounded. - All the metal structure should be epoxy powder coated after 7 tank treatment process with minimum powder coating thickness of 50 ±10 microns with Impact Resistance Test – To 150 kgs/m³ as per BS 3900/E3, Scratch Hardness- Up to 4 kgs as per BS 3900/E2, Salt Spray Test. - All tube ends to be provided with high density caps.		
1.(a)	Extra over and above item no. 01 (For Rate Purpose Only)	Extra for Every 100mm increase in length over and above the length of 4350mm		
2.	Lecture Hall Table (Type-2)	Supply & Installation of Lecture Hall Table (Type-2) for Lecture Hall having following specifications: - This unit has to be mounted in a lecture theatre of step ladder type with each ladder (Tread) of approx 1350 mm. (The layout will be provided with the order). - Overall Desk Dimension 4350 Length X 500 Width X 750H. - The desk top panels are made from 25 mm thick Pre-Laminated Boards conforming to IS 2380(1977) with Density: 600 –900 kg per meter cube, Moisture content: 5.10%, Swelling due to water absorption: max 6% of approved shade with 2 mm thick PVC edge banding of matching colour of Good quality (REHAU or equivalent as approved by EdCIL) on all sides. 3 Electrical panels should be provided on the top of the table having two sockets in each. - Electrical raceway should be provided under the top. - Vertical desk frame Made of CRCA tubes 80mm x 40mm x 2.5 mm thick powder coated supported with 6mm thick base plate grouting on the floor. - The bottom grouting base plate should be 6mm thick having dimensions 150mm x		

S. No.	Description of Items	Technical Specification	Offered specification by the bidder	Whether Comply (Yes/No)
		70mm to be grouted at floor with fasteners according to the available flooring. - Horizontal support and top support pipe is designed with rectangular 70mm x 30mm x 2mm thick pipes Made of CRCA tubes - Intermediate angle supports having size of 30mm x 30mm x 1.6mm thick to attain proper strength. - All the connection should be properly welded. - Sides of the table should be covered with 18mm thick pre-laminated particle board appropriately minimum depth of 300 mm from the table top. - Modesty of the desk designed with 18mm thick pre-laminated particle board, the modesty of the desk is designed with pre-laminated particle board with height of 600 mm. - All edges should be rounded. - All the metal structure should be epoxy powder coated after 7 tank treatment process with minimum powder coating thickness of 50 ±10 microns with Impact Resistance Test – To 150 kgs/m³ as per BS 3900/E3, Scratch Hardness- Up to 4 kgs as per BS 3900/E2, Salt Spray Test. - All tube ends to be provided with high density caps.		
2.(a)	Extra over and above item no. 02 (For Rate Purpose Only)	Extra for Every 100mm increase in length over and above the length of 4350mm		
3.	360° Revolving Fixed chair (Type-1)	Supply & Installation of 360° Revolving Medium Back Fixed Chair (Type-1) for Lecture Hall having following specifications 360 Degree Revolving Chair mounted on the floor with the help of grouting hardware. - Overall Chair Dimension: Length – 950mm, Width – 500mm, Depth – 480mm. - Backrest – Pre-laminated Particle Board without Cushion. - Seat with hot pressed plywood & upholstered with PU moulded foam having density of 45kg/m³ with Cushion and fabric upholstered. - Hand rest is made from PU upholstered/ PU moulded handles fixed on chrome plated MS pipe.		

S. No.	Description of Items	Technical Specification	Offered specification by the bidder	Whether Comply (Yes/No)
		- The chair movement should be upside-downside by pneumatic hydraulic system of Grade-IV. - The metal frame should be duly powder coated with seven tank treatment process. - The base plate of the chair should be made from 8mm thick MS Sheet having dimensions of 200mm x 200mm with at least 5inch length anchor fastener. - All metal structure should have epoxy polyester powder coated after 7 tank treatment process with minimum powder coating thickness 60 micron. - No sharp edges should be there in product.		
4.	360° Revolving Fixed chair (Type-2)	Supply & Installation of 360° Revolving Medium Back Fixed Chair (Type-2) for Lecture Hall having following specifications: 360° Revolving Chair mounted on the floor with the help of grouting hardware. - Overall Chair Dimension - Length – 950, Width – 510, Depth – 545 - Back of the chair is made up of hot pressed plywood cushioned with PU foam having density of 35kg/m³ or better, upholstered with high quality fabric. - Seat of the chair is made up of PU molded foam having density of 45kg/m³ with Cushion and fabric upholstered, PU padded Handles. - The chair movement should be upside-downside by pneumatic hydraulic system of Grade-IV. - The base plate of the chair should be made from 8mm thick MS Sheet having dimensions of 200mm x 200mm with at least 5inch length anchor fastener. - Crape Fabric should be used of branded company. - All metal structure should have epoxy polyester powder coated after 7 tank treatment process with minimum powder coating thickness 60 micron		
	Hostel Room Furniture:			
5.	Single Bed	Supply & Installation of Single Bed for Hostel Room having following specifications: Overall Size of the bed: 1050mm (W) x		

S. No.	Description of Items	Technical Specification	Offered specification by the bidder	Whether Comply (Yes/No)
		2010mm (L) x 500mm (H). - The Clear height of bed shall be 450mm i.e. from ground to base of the horizontal frame. - The bed shall be raised above the level of horizontal frame at both the head end and Tail end. - The raising height should be 720mm at head side and 600mm at Tail (Leg) side. - Bed metal frame shall be made from MS/ CRCA steel pipe. - Raised head & tail frame consists of 40 mm dia x 1.2mm thick pipe having curved ends. - Raised Head & Tail pipe frame shall be supported with 3-4 nos. of 25mm dia x 1.2mm thick pipes on each side. - Horizontal main frame should be made up of rectangular pipe 50mm x 25mm x 1.6mm across the length and width. - Horizontal main frame should be supported with minimum 4 nos. of stiffening pipes of size 25mm x 25mm x 1.2mm. - The top sheet shall be made up of 18mm thick good quality commercial plywood. - All metal part shall be epoxy polyester powder coated after 7 tank treatment process with minimum powder coating thickness of 50±10 microns with Impact Resistance Test –Up To 150 kgs/cm as per BS 3900/E3, Scratch Hardness- Up to 4 kgs as per BS 3900/E2, Salt Spray Test etc. - Wire mesh carrier made of 4mm thick MS powder coated wire (100x50mm) & 25mm x 25mm x 1.2mm square MS pipe frame hanged from top horizontal bed pipe frame. - Size of total mesh shall be 1050mm x 1000mm. - End should be covered with PVC end cap with good quality. - No sharp edges should be there in product. - Necessary high-quality shoes/ bush should be provided.		
6.	Monolithic Study Table	Supply & Installation of Monolithic Study Table: - Overall Dimensions: 1200 Width mm x 750 Depth mm x 1575 Height mm, - The table top shall have desk panel made from 25 mm thick Pre-laminated Particle		

S. No.	Description of Items	Technical Specification	Offered specification by the bidder	Whether Comply (Yes/No)
		Board confirming to IS 2380(1977) with Density: 600 –900 kg per meter cube, Moisture content: 5.10%, Swelling due to water absorption: max 6% of approved shade, • 2mm thick edge bending with rounded edges for smooth finish of matching colour on all edges should be provided. • Above table top, there should be a provision of pin up fabric & white board of good quality on half-half part on upper side of table top of size 600 (L) x 450 (H) for both. • One Open overhead shelf should be provided 450mm above the table top having depth 300mm and clearance height 375mm. • The open overhead shelf should be provided in 18mm thick Pre-laminated particle board conforming to IS 2380(1977) with Density: 600 –900 kg per meter cube, Moisture content: 5.10%, Swelling due to water absorption: max 6% of approved shade and 2mm thick edge bending with rounded edges for smooth finish of matching colour on all edges, MS powder coated sheet of 0.8mm thick shall be considered as inner cover for overhead. • Overhead shelf should not be mounted on wall. • Free Standing Pedestal of Size - 375mm Width x 550mm Depth x 450mm Height. The shell shall be 0.63 mm thick CRCA MS Plus Drawer tray shall be 0.63 mm thick CRCA MS and Drawer Front shall be 0.8 mm thick CRCA MS • Good quality Steel Aldrop Lock should be provided for the Pedestal Unit. • The foot rest should be made up of MS powder coated pipe of size 150mm (W) x 25mm (H) x 1.6mm thick MS Sheet. • Understructure shall be made of 50 mm x 25 mm x 1.6mm thick powder coated ERW tubes at base which are welded to the vertical pipe shall be made of 1.6 mm thick powder coated MS sections. • End should be covered with PVC end cap with good quality, no sharp edges should be there in product • Level adjustors are provided to take care of unevenness in floor.		

S. No.	Description of Items	Technical Specification	Offered specification by the bidder	Whether Comply (Yes/No)
7.	Study Chair	Supply & installation of Study Chair having following specifications: - Overall Dimension of the chair is 860mm(H) X 500mm(D) - Seat Dimension is 400mm(SH) X450mm(SD), - Chair frame and arms should be made up of 16Gauge 4 leg design chrome plated at least 20 Micron. - Armrest should be PU foam upholstered & fixed on chrome plated arms. - Seat and back Material- Perforated 16G seat duly steel grey powder coated with epoxy polyester powder coated after 7 tank treatment process with minimum powder coating thickness 60 micron, - Chair legs should be made up of CRCA pipe size Dia. 25.4mmx1.6mm thick. - Seat and back is made up of CRCA perforated sheet thickness 1.2mm. - Arm rest is made up of CRCA round pipe 25.4mm x 1.6mm. - The design of chair should be aesthetically appealing and the bidders are advised to take into consideration all cost and expenditures in this regard. Necessary high-quality shoes/ bush should be provided.		
8.	Almirah	Supply and installation of Almirah for Hostel rooms having following specifications: - Overall sizes: Height- 1950mm, Width – 900mm, Depth – 475mm - Inner dimensions for boys and girls shall be customized as per the need, - Steel Almirah designed with sheet having thickness 20 gauge for Door & Shelves and 22 gauges for body. 3 hinges on each door should be provided. - Good quality Aldrop lock should be provided, - All structure should have epoxy polyester powder coated after 7 tank treatments with minimum powder coating thickness 50±10 micron, - Product should be welded construction, - Material should be used cold rolled cold annealed (CRCA) material for making the product,		

S. No.	Description of Items	Technical Specification	Offered specification by the bidder	Whether Comply (Yes/No)
		- Handle provide should be matching, easy to grip, sleek & elegant, - Minimum Thickness of CRCA Sheet metal should be 22 Gauge for Almirah (Sides, Back, Top & Bottom); 20 Gauge for Shelf, Doors, Legs. - Almirah Lock Aldrop lock Brass Plunger & Brass lever, Handle MS Chrome plated, Handle Ring PVC Cap, Locking Bar Bright Bar, Dia. 10mm, - Height wise 4nos. of shelf should be provided with uniformly distributed load capacity. - Load capacity for each Shelf should be at least 50Kg, - Shelf & Hanger design should be as per drawing & image Necessary high-quality shoes/ bush should be provided.		
9.	Rack for hostel room	Supply and installation of open rack for hostel rooms: - Over all dimensions: Height - 750mm, Width - 750mm, Depth - 450mm. - Open face type rack made up from 20/22-gauge MS Sheet. - Steel Metal rack designed with three side covered sheet having thickness 20-gauge Sides, top & Bottom and 22 gauges Back. - All structure should have epoxy polyester powder coated after 7 tank treatments with minimum powder coating thickness 60 micron. - Product should be welded construction, material should be used cold rolled cold annealed (CRCA) material for making the product. - Shelf CRCA Sheet metal Thickness 20Gauge, Legs CRCA Sheet metal Thickness 20gauge. - load capacity each Shelf should be at least 80Kg, shelf design should be as per drawing & image. Necessary high-quality shoes/ bush should be provided.		

S. No.	Description of Items	Technical Specification	Offered specification by the bidder	Whether Comply (Yes/No)
	Auditorium Furniture:			
10.	Auditorium Chair with Retractable Desklet	Supply & installation of Auditorium chair with following specifications; • The seat rest & back rest assembly should be 1.2+/-0.1cm Thick flat plywood. • Polyurethane foam moulded and upholstered with 3 layered foam laminated fabric and injection moulded covers. • Auto Tip-Up type and folds when not in use. • Seat size: 455 mm (SH) x 507 mm (W) x 950 mm (TH). • The Back foam is designed with contoured lumbar support for extra comfort. • The polyurethane foam used for seat and back is moulded with density = 45 +/- 2 kg/m³ or better. • Two side panel frames to be provided with chair to rest on the ground. Side panel frames should fabricate from CR Steel 1.2 mm thick sheet which is clad with fabric upholstery. The side panel frames should have grouted on the floor using good quality anchors. • The Armrest is made up of solid beech high quality polished wood with clear lacquer coat. The armrest should be fitted with side panel through a concealed zinc plated hinge. • The armrest is provided with a retractable desklet of size 270mm W x 320mm D or better with 18mm ± 0.5 mm thick prelaminated particle board. Edging should be with in-situ injection moulded Polypropylene all around. • The desklet top is mounted on High pressure die-cast aluminum arm through metal bracket of 2mm thick H.R. Steel. • All steel components should be epoxy polyester powder coated (50 ±10 micron). • The Chair should have upholstered by Fire retardant Fabric. The product should be complete and as per approved sample and as per the direction of Engineer-In-charge.		

ANNEXURE-V**DETAILS OF FURNITURE ITEMS TO BE SUPPLIED AT RGIPT CAMPUS:**

S. No.	Description of Items	Quantity
1	Integrated Lecture Hall Table & Bench (Type-1)	132
2.	Lecture Hall Table (Type-2)	40
3	360° Revolving Fixed chair (Type-1)	168
4	360° Revolving Fixed chair (Type-2)	112
5.	Single Bed	1072
6.	Monolithic Study Table	1072
7.	Study Chair	1072
8.	Almirah	1072
9.	Rack for hostel room	1008
10.	Auditorium Chair with Retractable Desklet	430