



**Tender: Ref NO: FIRST Innovation Hub-1/IIT/FIRST/AB/19-01-2022**

To,

**Invitation for Quotations of Furnishing for our New Building FIRST Innovation Hub-1 at Noida Extension Centre of IIT Kanpur.**

Sealed Quotations (**technical bid and price bid, separately inside the main envelop**) along with **Certificate or Authorization Letter** are invited as per the specifications provided in the below table for the items from the **authorized suppliers**. The sealed quotation should reach the undersigned on or before **31-01-2022** before **1700 hrs.** through registered/speed post/courier/by hand.

The envelope must be inscribed with "Quotation for the **Tender: Ref NO: FIRST Innovation Hub-1/IIT/FIRST/AB/19-01-2022**"

**The Quotations would be evaluated separately**

BOQ- Ground Floor interior		
S.No.	ITEM DESCRIPTION	
A	False Ceiling	
	Providing and fixing false ceiling including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the	



	perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cut-outs made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with:	
a	12.5 mm thick tapered edge gypsum fire resistant board conforming to IS: 2095- Part I <b>(MAKE- Lafarge, Saint Gobin, Armstrong, Gyplndia)</b>	<b>53.90 Sqm</b>
2	Providing & Fixing of <b>Soft Fibre Acoustical Suspended Ceiling System</b> with Beveled Tegular Edge Tiles With Silhouette 15mmExposed Grid. The tiles should have Humidity Resistance (RH) of 95%, NRC 0.9 - 1.0, Light Reflectance $\geq 85\%$ , Color White, Fire Performance UK Class 0 / Class 1 (BS 476 pt. - 6 & 7) in module size of 600x1200x15mm, suitable for Green Building application, with Recycled content of 66% GW & 74% RW. The tile shall be laid on silhouette profile grid system with 15mm white flanges incorporating a 3mm central reveal in white/black color and with a web height of 32mm and a load carrying capacity of minimum 7.50 Kgs/M2 (as per standard installation layout mentioned below) & pull-out strength of 100Kgs. Select, Main Runners & Cross Tees to have mitered ends & "birds' mouth" notches to provide mitered cruciform junctions. The T Sections have a Galvanizing of 90 grams per M2 and need to be installed with Suspension system The Tile & Grid system used together should carry a 10-year warranty. <b>INSTALLATION:</b> To comprise main runner spaced at 1200mm securely fixed to the structural soffit using suspension system (specifications below) at 1200mm maximum. The First/Last suspension system at the end of each main runner should not be greater than 450mm from the adjacent wall. Flush fitting 1200mm long cross tees to	<b>205.01 Sqm</b>



	<p>be interlocked between main runners at 600mm to form 1200 x 600 mm module. Cut cross tees longer than 600mm require independent support. Perimeter trim to be wall angles of size 3600x24x24mm, secured to walls at 450 mm maximum. Installation to be carried out by Trained Installation team &amp; Installation should be carried out as per recommended procedure</p> <p>SUSPENSION SYSTEM accessories manufactured and supplied consisting of M6 Anchor Fasteners with hanger hole, pre-Straightened Hanger wire of dia – 2.5 mm of 1.80 m length having a tensile strength of 344-413 MPa and a minimum pull strength of 110 kgs. (Adjustable hook clips of 0.7mm thick, galvanized spring steel can also be used for installation purpose as an additional accessory. The adjustable clip also consists of a 4 mm aquiline wire to be used with the main runner). <b>(MAKE- Saint Gobain, Anutone , Armstrong)</b></p>	
3	<p>Providing and Fixing 40 mm thick, pre-formed fiberglass blades with size of 200x1200mm, with laminated scrim finish on all sides and edges, Acoustical performance of 0.65 NRC (for 400mm high x 40mm thick with baffles at 400mm row centers. Overall depth of construction 1000mm) in standard White color with Light reflectance 87%, or in the color specified by the Architect, Fire Performance Class B – s1, d0 as per End 13501-1 and having a recycled content of 80%. <b>INSTALLATION WITH DECK HANGING KIT:</b> The Blades shall be factory fitted with “female inserts” on both sides. The blades to be suspended individually using the Deck Hanging kit comprising of gripper structure anchors with an outer diameter of 16mm and height 23mm, aircraft cables of 1.5mm dia 2.44 LM in length and bottom end cable adjusters of 8.9mm outer diameter. Blades must be installed with minimum 100 mm on-Centre spacing. Hanger Wire Attachment to Structure: Attach the gripper structure anchor to the structure with a fastener that will carry the full weight of the blades. Insert the end of the cable into the gripper anchor cap. Screw the gripper anchor cap completely into the gripper structure anchor. Insert Suspension Cables: The panel is to be suspended using the aircraft cables which are suspended from the soffit using the gripper structure anchors and its other end passing</p>	95.65 Sqm



through the bottom end cable adjuster. The height & level of the panels can be adjusted using the bottom end cable adjusters. Suspend the Blade: Locate the two-factory fitted female inserts on the blades. Suspend the Blades by screwing the bottom end of the cable adjuster into the female inserts. Installation to be carried out by Trained Installation team & Installation should be carried out as per recommended procedure.

**(Fibre glass Blades Ceiling- Armstrong, Saint Gobain, Hunter Douglas)**

## B WALL TREATMENT

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| 1 | <p>Providing and fixing of 68mm thick <b>wall panel system</b> using <b>Polyester fiber</b> acoustic mat finish panel 9mm thick @ 200kg/m<sup>3</sup> density with Class A fire rating as per ASTM E 84 &amp; thermal conductivity 0.034w/mk with desired acoustic management 0.80 NRC. The G.I. frame of thickness 0.50 consists of GI metal stud frame of size 50mm having one flange of 41mm and other of 44mm placed @ every 600 mm c/c in vertical direction. These studs are placed at floor and ceiling channels of 76 mm width and 0.50 mm thick and having equal flanges of 32 mm. The floor and ceiling channels are fixed to floor and soffit using fasteners at every 600mm c/c. A horizontal frame section is placed at every 600 or 1200mm c/c. The Rockwool of thickness 50mm and density 48Kg/m<sup>3</sup> is fixed in between the studs enact with chicken mess. On outer side one layer of 9mm perforated water proof plywood or MDF board is screwed. These boards are joined using "type S" Self-tapping SS W 25 / 3.5 x 25mm corrosion resistant drywall steel screws spaced at 200mm centers on all joints and 300mm centers in the field of boards. Screw fixing is done mechanically. These boards are perforated on site or CNC ensuring min. 50% area is perforated. Finally, 9mm thick Polyester fiber acoustic panels are pasted on top of MDF board (using any acrylic adhesive such as fevicol SR998 or hot melt adhesive) of the board as per design of the architect. The entire system should eco-friendly, 100% recyclable &amp; toxic free. <b>(Make- Polyester Fibre Acoustic Material- Traulit, Baux, Saint Gobain)</b></p> | 63.00 Sqm |
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2	<p>Providing and fixing <b>grooved panel</b> having system NRC up to 0.75 with lineal perforation. The panels shall be fire resistance (FR) BS476 Part 7 with melamine laminate panels having density of 800kg/m<sup>3</sup>(base panel confirming to IS 12406 and laminated panel confirming to IS 14587). The back of the panels are perforated with a nonwoven fabric covering of 0.2mm for providing Sound absorption via the acoustic impedance method. Panel is fixed by using GI Framework spaced at 600mm centers @ aluminum framework spaced at 400mm centers with suitable brackets and the system is backline with 50 mm ROXUL Rockwool and along with all accessories. Screw the aluminum extruded keel for channeled woodworks provided over the lowest and second wooden batten at an on-centre distance of 600mm. Install the Skirting (provided by others) of width 50mm or more as required by the Architect/ Engineer-in-Charge and insert the end of the panel in the skirting. Finish off the edges using wooden moulding of matching color. Installation to be carried out by Trained Installation team &amp; Installation should be carried out as per recommended procedure. <b>(Make- Channeled Woodworks- Traulit, Armstrong)</b></p>	63.00 Sqm
3	<p>Providing and Fixing Channeled <b>Woodworks perforated panels</b> of width 192mm, thickness of 15mm and length 2400 mm or as required by the Architect/ approving engineer, made of a Moisture Resistant fibre board with minimum 595 Kg/M<sup>3</sup> density substrate with a laminated facing as per the approved shade &amp; finish and a melamine balancing layer on the reverse side. The boards shall have a special perforation pattern where the visible surface has a perforation of 3mm width and 13mm of visible panel each. The edges of the panels shall be "tongue-and-grooved" to receive special clips for installation. The back of the perforated panel shall have sound absorbing non-woven acoustical fleece having NRC of 0.60. The panels shall be mounted on special aluminum splines (keel) using clips provided and approved by the Architect/ Engineer-in-Charge.</p> <p>INSTALLATION: Install MS battens (provided by others) of section 50x50mm or as approved by the Architect on the solid wall horizontally using screws and plugs at spacing of 600mm centre-to-centre .The system is backline with 50 mm ROXUL Rockwool</p>	63.00 Sqm



insulation@48kg density and along with all accessories Screw the aluminum extruded keel for channeled woodworks provided over the lowest and second wooden batten at an on-centre distance of 600mm. Install the Skirting (provided by others) of width 50mm or more as required by the Architect/ Engineer-in-Charge and insert the tongue end of the panel in the skirting. Place the inside clip on the groove end of the panel along the Al keel and then place the tongue end of the next panel.

Continue installing rows of panels by inserting the tongue into the groove of the earlier inserted panel and progressively installing inside clips into the next keel till the actual height is achieved. Finish off the edges using wooden moulding of matching color (provided by others). Installation to be carried out by Trained Installation team & Installation should be carried out as per recommended procedure. **(Make- Channeled Woodworks- Traulit, Baux, Saint Gobain, Armstrong)**

4	<b>Providing and fixing</b> acoustical stretched fabric Panels on the side walls of the auditorium using: • GI frame work of 48mm GI Studs using 0.55mm thick and stud channels at 610mm x 610mm, 0.5mm thick, fixed with MS angle cleats 1220x610mm centers to wall by using metal fasteners, backed with 22 SWG x 12.5mm GI Chicken Wire Mesh with air gap a minimum of 50mm on back side, as per detailed drawing. • The frame work to be filled with polyester wadding 50mm thick of 1000GSM. (Absound/ Prominent), and chicken wire mesh support on the rear side abutting the wall face.Finished in stretched fabric finish, using UPVC grippers (Wal tract/Absound equivalent) fixed to 50mm x 12.5mm MDF/Ply runners. The fabric to be treated for fire-retardance and dust proof.	63.00 Sqm
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<b>C</b>	<b>FLOORING</b>	
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1	Providing and fixing Engineered <b>wooden flooring</b> 15 mm up to 3 mm top layer, core layer pine wood oak London of Mikasa or equivalent with necessary T- profile and reducer fixing with underlayer 2 mm thick High Density polyurethane foam having	30.50 Sqm
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	density of approx. 90 kg/cum and 2 mm thick rubber sheet as per manufacturers specifications and as directed by engineer in charge.	
2	Providing and laying of <b>Carpet flooring</b> over the specified area with following specification. The floor which receives the carpet to be thoroughly cleaned as per manufacturer's specification. The carpet is to be laid over a bed of manufacturer's approved adhesive spread evenly over the entire floor. The rate shall include cutting, trimming, fixing and clearing away of residual material to a location as directed. The rate shall also include supplying and laying of a protective layer of PVC or HDPE sheet of 50 microns thickness, held together with scotch tape. The laid carpet to be vacuumed after the removal of protective cover/on commissioning. If after the protective layer is removed and stains observed in the carpet because of in adequate protection, the same shall be shampooed and made good to the satisfaction of the project managers. The measurements of carpet will be the actual laid area. Complete as per manufacturer's specification and as directed by engineer in charge.	21.40 Sqm
3	Providing and fixing proprietary Anodized <b>Aluminum Skirting</b> of 100mm high, as per details and Architect's approval	42.80 Rm
4	Providing and fixing the <b>Aluminum L shape trim</b> to be of 32 mm in width at the edge of steps to prevent wear and tear of carpet from the edge. The trim to have brushed finish as per approved sample.	42.80 Rm
<b>D</b>	<b>DOOR AND WINDOW</b>	
	Providing & fixing <b>Acoustical sound reducing Doors</b> should have 3-Point Latching System. Leaf of the acoustic wooden door should have 75mm thick hardwood door frame along with 75mm thick hardwood door panel. It should have S.S. hinge fixed with wooden door frame with S.S. door closer and 10mm thick S.S. plate to fix door handle. It should be provided with 300x300 double glazed vision window. Also, it should be sealed with 6mm nitrile rubber fixed on door frame & door panel.	





	Drawing to be provided, and as per the instructions of Engineer-in-Charge, the door to be attached with the door frame by SS ball bearing hinges with adequate strength and numbers to avoid sagging All joints to be sealed with Dow Corning 790 or equivalent mastic Sealant. The doors on the auditorium side to be finished using non-light reflective media like a carpet of dull laminate /veneer. Heavy Duty Hinges with Ball Bearings, Door Handles, Long Tower bolts, Sliding Door bolts with Door Closures till 100Kg weight Capacity Stainless Steel Accessory should be used, The Work shall be executed as per drawings, Specifications & Instruction of engineer in charge. Properties:» Doors are supplied complete with their own mounting frames» Adjustable Soundproof Jambs & Seals» Infill Material : Insulation wool» Best Performance Wood Finished Door Assembly» Heavy Duty Hinges (4)» 3-Point Latching System	
1	2000x 2100MM (DOUBLE DOOR)	4 Nos
2	1200x2100mm	2 Nos
3	Providing & fixing of the chowkhats for the acoustic doors out of teakwood of size 175x 100 mm.	25 Rm
4	Providing and fixing 450 mm brushed steel finish D shape handles as approved by consultant / engineer in charge.	12 Nos
5	Supply & fixing of 304 grade stainless steel ball bearing hinges from Marshall/Assa Abloy/Dorma/Hafele of size 100x100x3mm thick complete as per direction of Engineer-in-charge.	40 Nos
6	Providing and fixing panic bar / latch (Double point) fitted with a single body, Trim Latch & Lock, exit device on back side of the Panic Latch of reputed brand and manufacture to be approved by the Engineer- in- charge, all complete.	2 Nos
<b>BOQ – Interior</b>		
S No.	Item Description	Quantity
	<b>FALSE CEILING</b>	



1	<p>Providing and fixing false ceiling including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts &amp; bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cut-outs made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with:</p>	<b>212.00</b>  <b>Sqm</b>
a	12.5 mm thick tapered edge gypsum fire resistant board conforming to IS: 2095- Part I <b>(MAKE- Lafarge, Saint Gobin, Armstrong, GypIndia)</b>	



2	<p>Providing and fixing <b>Wood grained wooden sound slats ceiling</b> with Wood melamine finish MDF based panels with lineal perforations to be fixed in ceiling. The panels shall be with melamine laminate finish of size 2430mm x 128mm x15mm with 4mm slats at 28 mm pitch, Tongue and Groove edges for seamless mounting having density of 750 to 800kg/m<sup>3</sup>. The back of the panels is perforated with 10mm diameter circular holes with a nonwoven fabric covering of 0.2mm for providing Sound absorption via the acoustic impedance method. Panel is to be fixed on GI framing consisting of GI perimeter channels of size 0.55mm thick (having one flange of 20mm and another flange of 30mm and a web of 27mm) along with perimeter of ceiling, screw fixed to brick wall/ partition with the help of nylon sleeves and screws, at 610mm c/c. Then suspending GI intermediate channels of size 45mm (0.9mm thick with 2 flanges of 15mm each) from the soffit at 1220mm c/c with ceiling angles of width 25mm x 10mm x 0.55mm thick fixed to soffit with GI cleats and steel expansion fasteners.</p>	20.60 Sqm
	<p>Ceiling section of 0.55mm thickness having knurled web of 51.5mm and two flanges of 26mm each with lips of 10.5mm are then fixed to the intermediate channel with the help of connecting clips and in a direction perpendicular to the intermediate channel at 300mm c/c. The cavity of framework should be inserted with 50mm thick, 1000 GSM polyester wadding. The entire system to be FR grade fire retardant. Approved <b>make: Oceanz Acoustics/Absound Overseas/Acoustic India/Saint gobain</b></p>	
<b>WALL TREATMENT</b>		
3	<p>P/f of <b>frameless partition glazing</b> consisting of 12mm clear toughened glass and fixing with Dorma/Ozone make single leg spider, ceiling/bottom to glass connector, glass to glass connector, etc., all the necessary fittings upto all height including scaffolding all complete as shown in attached drawing as per the direction of Engineer-in-charge.</p>	71.15 Sqm
4	<p>P/f of <b>frameless partition with door</b> glazing consisting of 12mm clear toughened glass and fixing with Dorma/Ozone make single leg spider, ceiling/bottom to glass connector, glass to glass connector, handle, door set, floor spring, pivot etc., all the necessary fittings</p>	20.40 Sqm





	upto all height including scaffolding all complete as shown in attached drawing and as per the direction of Engineer-in-charge.	
5	Providing and fixing nearly nature <b>artificial plant</b> made up of non-pores plastic of safe and non-toxic grade. All complete as shown in attached drawing and as per the direction of Engineer-in-charge.	5.60 Sqm
6	Providing & fixing <b>Laminate Paneling</b> of metal stud wall paneling with the following specification: a) Supporting system comprising of best locally available make 51 X 35 X 0.55 mm thick metal studs @ 600 mm c/c and 51 X 32 mm metal tracks at floor, middle, door level and ceiling level with joints staggered. The verticals should touch the ceiling with horizontal ceiling channel at slab/beam bottom. b) 6 mm + 6MM BWR plywood fixed on one side with 25 mm dry wall screws for the entire height of paneling. c) 1 mm laminate of approved shade and color to be up to false ceiling level. e. Length X height upto false ceiling will be measured for payment.	341.70 Sqm
7	Providing & fixing <b>Lacquered glass Paneling</b> on metal stud wall paneling with the following specification: a) Supporting system comprising of 51 X 35 X 0.55 mm thick metal studs @ 600 mm c/c and 51 X 32 mm metal tracks at floor, middle, door level and ceiling level with joints staggered. The verticals should touch the ceiling with horizontal ceiling channel at slab/beam bottom. b) 12mm plywood fixed on visible side of paneling with 25 mm dry wall screws for the entire height of paneling. c) 5 mm laqueuered glass of approved shade and color to be pasted on plywood base with silicon of approved make upto false ceiling level. e. Length X height upto false ceiling will be measured for payment.	45.36 Sqm



8	Providing, & erecting <b>Decorative partition</b> in position teak wood frame partition made up of wooden section size (25mm x 25mm) with 8 mm marine ply fixed between wooden section finished in veneer of approved shade and artificial moss to be pasted on some of the ply area as per design. All wooden and veneer to be finished in melamine matt finish. Partition to be fixed on floor and ceiling. The said frame work is to be anchored to existing structural at ceiling level by clamps, clips, nuts & bolts, etc.as required and rate to include cutting, welding, grinding, drilling, hoisting, fixing in position at all heights and levels and providing and applying melamine polish finish including surface preparation as specified and as directed. The rate includes all nuts, bolts, washers, welds, etc. required for fabrication and erection. The weight of nuts, bolts, washers, welds will not be paid separately.	<b>25.65 Sqm</b>
9	Providing and laying <b>vitrified wall</b> tiles of size 300 x 600mm {thickness to be specified by the manufacturer) with water absorption's less than 0.08 % and conforming to IS: 15622 of approved make in all colors and shades, with cement mortar 1:4 (1 cement: 4 coarse sand) including grouting the joint with matching color epoxy. tile selection as per client complete.	<b>96.00 Sqm</b>
10	Providing & applying <b>Plastic emulsion paint</b> on walls, ceiling, etc. Removing, scrapping & cleaning the existing color wash/distemper/oil bond distemper / plastic/ luster etc. paint by scrapping, washing and scrubbing and applying Birla putty nor equivalent. The surface shall then be allowed to dry for at least 24 hours. It shall be then sand papered to give a smooth & even surface. Holes shall be filled with BIRLA putty, made with Plaster of Paris. Then first coat of primer to be applied. After this necessary leveling shall be done with putty and second primer coat shall be applied. The plastic emulsion paint of approved shade and make shall be applied in minimum 2 coats (finishing paint) including scaffolding, cleaning the floors, fittings, furniture's, ladders, glasses, removing of debris out of the compound etc. All complete as per the instructions of ENGINEER IN CHARGE	<b>1871.00 Sqm</b>





11	Providing & applying of <b>wall paper</b> on the finished surfaces. The surfaces shall be thoroughly cleaned, line and level on all sides, dried and made free of all loose dirt, chalk, grease, fungus and algae, wax or flanking paint. Unwanted elements, hardware, clamps etc. shall be removed to make surface clean. The item also includes doing necessary touching work wherever required, by pop/putty for application. To shape actual areas on site will be considered for the measurement purpose. <b>Wall paper of selected design of Basic rate of Rs. 120 per sq.ft.</b>	<b>152.50</b> <b>Sqm</b>
12	providing and applying of <b>Graphic Design Art Wall Decor</b> with customized, multi-color imagery digitally reproduced on durable 3M self-adhesive, cast imaging film and laminated with 3M UV-protective layer. The graphics application to be bubble-free and direct on wall with the help of air-release channels in the adhesive. Must have perfect overlapping of imagery at joints. Must comply with ASTM E-84. Finished product thickness 5-6mil (ASTM 3652). Adhesion strength of 8-8.5 N/inch (ASTM D 3330). 5-year MCS warranty for interior application on all components, jointly endorsed by 3M and authorized channel partner in the region. Cost to include design, printing and installation.	<b>99.90 Sqm</b>
13	Providing and fixing <b>Roller Blind</b> system consisting of a coated aluminum tube of 38 mm diameter of approved color with provision of fabric clamping. The Fabric is rolled up and down through a chain drive system with built in drive gear and an over run brake system. The side brackets are universal type suitable both for wall and ceiling mounting. The bottom end of the fabric is rolled over an oval shape aluminum tube with provision to lock the fabric. The rate shall be inclusive of all the necessary material, required hardware, labor, transportation, necessary for the complete execution of the item	<b>127.30</b> <b>Sqm</b>
14	Providing a fixing <b>Venetian Blinds</b> made of tungsten alloy aluminums and bottom channels of powder coated aluminum in thickness 1.4 mm Brass pulley, brass roller cord lock with side stainless steel plate. Tiller having brass and nylon with flexible powder coated steel tilting rod. Ladder cord with 20 mm spacing and antilflutter type.	<b>25.20 Sqm</b>





15	Providing and Fixing of <b>Glass films</b> on existing window as per design and pattern Frosted printed colored Film Thickness -1 Mm Visible Light Transmittance 4%	<b>127.30</b> <b>Sqm</b>
16	providing and Fixing of Acrylic <b>letters</b> of size 300 to 450 mm height placed over graphic base, Side Edge: -5mm solid color acrylic sheet of approved color with laser cut (using AMADA Laser cutting) rate includes fixing and supply charge. Shop drawing for approval shall be submitted for approval before execution. all work needs to be carried out as per site in charge	<b>393.70</b> <b>Nos</b>
<b>FLOORING</b>		
17	Supply and installation of <b>Artificial carpet grass flooring</b> in min. 40mm thickness of grass when applicable. The rolls shall be of sufficient length to go from sideline to sideline. The surface should be even, if not it should be made even	<b>61.90 Sqm</b>
18	Providing and fixing Engineered <b>wooden flooring</b> 15 mm up to 3 mm top layer, core layer pine wood oak London of Mikasa or equivalent with necessary T- profile and reducer fixing with underlayer 2 mm thick High Density polyurethane foam having density of approx. 90 kg/cum and 2 mm thick rubber sheet as per manufacturers specifications and as directed by engineer in charge.	<b>5.45 Sqm</b>
19	Providing and laying of <b>Carpet flooring</b> over the specified area with following specification. The floor which receives the carpet to be thoroughly cleaned as per manufacturer's specification. The carpet is to be laid over a bed of manufacturer's approved adhesive spread evenly over the entire floor. The rate shall include cutting, trimming, fixing and clearing away of residual material to a location as directed. The rate shall also include supplying and laying of a protective layer of PVC or HDPE sheet of 50 microns thickness, held together with scotch tape. The laid carpet to be vacuumed after the removal of protective cover/on commissioning. If after the protective layer is removed and stains observed in the carpet because of in adequate protection, the same shall be shampooed and made good to the satisfaction of the project managers. The	<b>27.17 Sqm</b>





	measurements of carpet will be the actual laid area. Complete as per manufacturer's specification and as directed by engineer in charge.	
20	Providing & fixing 50mm ht. anodized approved extruded aluminum skirting fixed over masonry wall /opaque partition to proper line & level. The installed skirting shall be provided with approved matching color PVC capping, Complete as per manufacturer's specification and as directed by engineer in charge.	22.70 Rm
21	Providing and fixing 100x15mm thick Polished wooden skirting of matching shade of wooden flooring. The skirting shall be fixed over commercial ply base to match the line and level of paneling. Complete as per manufacturer's specification and as directed by engineer in charge.	45.70 Rm

### **Terms & Condition**

1. Each bidder shall submit only one quotation.
2. FIRST reserves right to accept or reject any or all bid(s) without assigning any reason.
3. It may be mandated to present the bids in-person at FIRST, IIT Kanpur and bidder shall be ready for it without any prejudice.
4. The bidder should be a reputed vendor and should have establishment of more than 5 years old. Copy of certificate of Establishment should be provided with the Technical Bid.
5. It is desirable if the bidder has already executed Office Infrastructure related projects with some government academic institutions.
6. The bidder must enclose the documents of up-to date GST Return, with technical bid.
7. The Average Financial Turnover of the bidder for the last three financial year 2018-19; 2019-2020 & 2020-2021 is desired to not be less than Rs. 100 Lakhs. Also, the bidder company should not be in loss in any of the preceding three financial years.  
The Turnover Certificate along with the copies of Income Tax Return Acknowledgement, Balance Sheet & Profit and Loss A/c for last three financial years duly signed by CA of the bidder should be enclosed with the technical bid.
8. The bid submitted through email or any other online medium shall not be accepted. Only bid received through registered /speed post /courier/by hand shall be accepted.
9. The bidder must execute and complete all the work supply within 40 days otherwise LD @ 0.1% per day shall be levied. (Subject to maximum of 10% of PO)
10. Payment shall be as follows:



Events	Amount of Payment to be released
On Work Commencement	20% of the amount of Purchase Order
On Submission of First Running bill against the progress report	75% of the amount of First running the Bill
On Submission of Second Running bill against the progress report	75% of the amount of the Second running bill
On Submission of Work Completion Report	Up till 90% of the PO
1 Year from the Submission of Work Completion	Balance 10 % of the Total Bill Amount

11. The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
12. The bidder should furnish an affidavit on Non-Judicial Stamp Paper of Rs. 100/- for not been black listed or debarred by any Government / Semi Government / PSU / Banks / Universities / Educational Institute etc. during last Seven years at the time of submission of tender bid for any item or by any reason. If any bidder, who has been blacklisted /debarred by any Government / Semi Government / PSU / Banks / Universities / Educational Institute etc. for any item or by any reason during last seven years, participate for this tender work, then the appropriate legal action shall be taken against that bidder and the client has full rights to black list / debarred the said company for future tendering process.
13. Bidder is desired to have executed one single Office Interior related work in any reputed organisation of at least Rs. 25 Lacs value in past 3 years.
14. **Earnest Money Deposit (EMD):** Rs. 75,000/- (Rupees Seventy five Thousand only) must be submitted along with the technical bid. The EMD document (Demand Draft) should be issued in the favor of "Foundation For Innovation & Research In Science & Technology "
15. Any exemption from EMD submission shall not be allowed. The Bidders MUST enclose the required EMD to participate for the tender.
16. The defect liability period of **One year** from the date of completion of Work and final completion report duly acknowledged by FIRST.
17. The Bidder should quote for all items of the tender. Any tender for Part item will be rejected out rightly. An undertaking on the company letter head confirming the same should be enclosed with tender.



18. No Deviation in the technical specifications for any product shall be accepted at all. The bid must include every specification dimension and the details of manufacturer for each items. The images provided in the Tender document are for the reference purpose only.

**19. Sample Approval**

Bidders should have to display their samples (if asked) on DD.MM.YYYY at the Purchase Section of FIRST of IIT Kanpur. Non-Display of sample shall be considered as non-responsive technical bids.

**Phase-II**

- Financial bids of technically qualified and approve samples bidders shall be opened.
  - Financial evaluation is purely done on the total financial implication.
  - Any Superfluous, unreasonable assets rate quotes will be summarily rejected.
20. If the documents as well as the samples submitted by the bidder would not be up to the mark as per the tender requirement, the tender of such bidders would be rejected and the financial bid would not be opened.
21. No Subcontracting shall be allowed whatsoever.
22. Quotations from the bids that do not meet the technical criteria set in the tender document will not be considered irrespective of the price or any other criteria.
23. The quotation will be evaluated based on the criteria's provided in the below table.

Parameter	Weightage	Marking system (It will be graded marking system accordingly)
Lowest price	40%	40 - Lowest bidder
Bidder executed one single Office Interior related work in any reputed organisation of at least Rs. 25 Lacs value in past 3 years. (A work completion report with satisfactory performance letter from the related recipient of work has to be submitted as evidence)	15%	15 - Yes
An office in Noida/Delhi - NCR operational since last 3 years	15%	10 - Yes 5 - Delhi NCR
Prior experience in designing/ building / installation in Co-working space/Academic Institute	20%	20 - Yes
Average Financial Turnover of INR 100 Lakhs per year since last 3 years	10%	10 - Yes





FOUNDATION FOR  
INNOVATION & RESEARCH  
IN SCIENCE & TECHNOLOGY  
IIT KANPUR

24. An **Engineer – In – Charge** will be appointed by FIRST for supervision of work and verification of Bills.

**Amitabha Bandyopadhyay**  
Director, FIRST



**Address for Quotation:**

**Dr. Amitabha Bandyopadhyay**  
Office No. S7, Second Floor  
FIRST, SIIC Centre, Sixth Avenue,  
Indian Institute of Technology Kanpur  
Kalyanpur, UP- 208016 INDIA

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