

Estimate for interior works at incubation center IITP						
S.no	Description of item	Unit	Quantity	Rate including all taxes	Amount	Remarks
1	<b>UPVC Works</b> Providing and Fixing of factory made White UN-PLASTICIZED Poly Vinyl Chloride (uPVC) Partitions or Windows/Doors (FENESTA or equivalent as approved by competent authority) at all levels made out of extruded three chambered profile frames with hermetically sealed double glazed glass customized in 56mm wide system i/c all fittings and fixing at site and sealing of gaps as per the designs & specifications narrated below and as per direction of Engineer-in-charge, all complete. (i) PARTITION PROFILES : Window outer profile of frame size of 65w x 58h mm; mullion/transom profile of frame size of 65w x 80h mm and door outer profile of frame size 56w x 63h mm; mullion profile size of 56w x 100h ;shutter (sash) profile of frame size of 56w x 84h mm or equivalent profile and these shall be conforming to the following standards & passing to following tests (a) BS 7412 & BS 7413 as per BSI UK (b) 9ppm Titanium Dioxide (Tio2) test (c) Should pass test of 'Classification-P' for 'Ignitability' and 'Class-I' for 'Surface spread of flame' as per BS 476-Part7. (ii) HARDWARE: The profile section should be compatible for double glazing using high quality locking mechanism such as Avocet make Espagnolette multipoint or equivalent and stainless steel Friction stays of Grade AISI 304 and other suitable handle and fixtures. The hardware must have cleared 20 days Salt Spray Test as per IS: 9844-1981 guidelines from any testing agency as decided by Engineer-in-charge. All hardware must also be tested for minimum 20,000 cycle operations. (iii) BEADS: The glazing bead profiles must be coexecuted with EPDM gaskets and conform to the same test as profiles. (iv) GASKET: The gasket should be made of EPDM (Ethylene propylene di-monomer) of high quality such as Anand Nishikawa or equivalent with double gasket sealing between the outer frame and the shutter (sash) frame. (v) GLASS: Hermetically sealed double glass insulated unit of 24 mm thickness using 6 mm toughened glass on both sides and 12mm air gap with aluminium spacer having desiccants to prevent condensation. The double glazed glass shall be of high quality Double Glazed Unit (Outer 6mm with Coating Face 2-12 mm Air Gap, Inner. 6mm clear Glass) and white color of PLTT make of Saint Gobin or equivalent. (vi) GI REINFORCEMENT: All the profile sections should be reinforced with GI sheet of 2.5mm+/-0.5 mm thickness. The reinforcement must have cleared a 20 days Salty Spray Test as per ASTM-B-117 guidelines from any testing agency as decided by Engineer-in-charge. (vii) COUPLERS: Fixed casement window coupler with fixed casement window with 12 mm thick uPVC with steel reinforcement. Fixed casement window coupler with openable casement door with 12-15 mm thick Aluminium/uPVC section. (viii) INSTALLATION: The window must be aligned in plumb and water level and installed to the window sill using high quality steel fasteners. The outer frame of window and sill must be sealed with silicone based sealants from outside and acrylic paintable sealant from inside. Installation shall be done by manufacturer or skilled contractor. Installation must carry a manufacturing warranty for a period of 15 years against manufacturing defects and 15 years for leak proof installation. Installations shall also include cutting and re-do POP work as necessary on site as per direction of Engineer-In-Charge. (viii) Other Arrangements: The outer frame and shutter frame must have provision of drainage and should included all necessary hardware fittings such as high quality Espagnolette handle and Wedge Block etc. All complete in the pattern as per architectural drawings and as per direction of Engineer-in-charge.	Sqm	320			
	a) The measurement shall be taken from outer profile to outer profile (L x B) and nothing extra shall be paid for curvature.					
2	<b>White marker Boards</b> Providing and fixing white marker( Magnetic ) boards as per approval on partitions/walls/ other substrates in various areas of the office including training room, cabins etc. complete including all ribs, adhesives etc as required. Standard size 4m X 2m	Sqm	48			
3	<b>Chairs &amp; Tables</b> Supplying and fixing chairs with writing pad of size (H-840 X W 460 X D400) WITH PU HANDLE,SEAT & BACK HD FOAM STEEL FRAME PIPE 1 INCH 16 GAUGE. Make godrej or equivalent brand	No's	40			
	Supplying and fixing revolving chairs for office of size (965 X 700 X 700) with central tilt,PU Foam Seat & Back, with gas lift & steel inserted Base, complete finish as per the manufacturer's recommendations and to the satisfaction of the Engineer's/ Architect's satisfaction.Make godrej or equivalent brand	No's	20			
	Supplying and fixing of discussion chairs of size (H-840 X W 460 X D400) WITH PU HANDLE,SEAT & BACK HD FOAM STEEL FRAME PIPE 1 INCH 16 GAUGE. Make godrej or equivalent brand	No's	8			
4	<b>Carpentry works for pantry and test and calibration lab</b> Providing and fixing LAMINATED full & low height storage cabinets as storage and/or runners from 1'6" to 2'0" inches depth in 18mm thk. ply construction with 6mm thk. comm. ply backing complete as per detail/ specifications with horizontal & vertical divisions and drawers as/detail. The rate shall include all TW lippings, outside finished in 1 mm Laminate of reputed brands and approved shade and inside finished with 1 mm Economical laminate as per approval on all shelves, partitions, drawers etc. All partitions, shutters shall have wooden lipping on edges finished in laminate. The handles & hinges will be s s finish or as as/app. & shutters will be on ebco self closing hinges	Sqm	25			
5	Supplying and fixing of L-shape table for faculty in class room with portable MOBILE PEDESTAL made by small blocks which should have 25 mm thick pre lam work top with duck Nose bidding & 16 mm thick complete finish as per the manufacturer's recommendations and to the satisfaction of the Engineer's/ Architect's satisfaction. Standard size (20ft X 8ft X 1.4 ft)	No's	1			
	Providing and fixing of 8 person cluster Curveliner Workstation of Size 1500x600 Top 25 mm thick Prelaminated Partical Board Panel 45 MM thick With Finish Of Fabric and Raceway Dully Powder Coated, With Side Storage with drawer , shutter & body Made 18 mm Prelaminated Partical Board Drawer With Telescopic channel	No's	16			

	Providing and fixing of single Workstation of Size 4ft*4ft, Top 25 mm thick Prelaminated Partical Board Panel 45 MM thick With Finish Of Fabric and Raceway Dully Powder Coated, With Side Storage with drawer , shutter& body Made 18 mm Prelaminated Partical Board Drawer With Telescopic channel	No's	3			
<b>6</b>	<b>FIRE EXTINGUISHERS</b>					
	Supplying,fixing and commissioning portable fire extinguishers with BIS marking of following type & capacity					
	ABC type dry chemical powder fire extinguisher of 6kgs. Capacity,with initial filling in brand new cylinder with powder coated finish,fitted with gun metal union, discharge hose, wall mounting bracket etc.complete confirming to IS:15683.	No's	3			
	Water (CO)2 type fire extinguisher 9lts. Capacity, initial filling in brand new cylinder of powder coated finish, fitted with gun metal union, high pressure (CO)2 gas cartridge & wall mounting bracket etc. complete confirming to IS:15683	No's	3			
<b>7</b>	<b>Dismantling</b>					
	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge					
	in cement mortar	cumec	4			
<b>8</b>	<b>Painting</b>					
	Providing & Applying with 1st quality acrylic washable plastic emulsion (ready made) on walls,ceiling,beams,cols or anywhere at site of approved manufacturer and of required shade and colour complete as per manufacturer's specification.The work includes filling of putty before painting. Make : asian paints/berger/nerolac					
	New work (Two or more coats applied @ 1.43 litre/ 10 sqm. Over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	Sqm	110			
<b>9</b>	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					
	Cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	0.2			
<b>10</b>	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in :					
	Cement mortar 1:3 (1 cement : 3 coarse sand)	Sqm	0.3			
<b>11</b>	coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of					
	Inside dimensions 455x610 mm and 45 cm deep for single pipe line :					
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	Nos	1			
<b>12</b>	<b>Plastering</b>					
	12 mm cement plaster of mix :	Sqm	1.5			
<b>13</b>	counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.					

	Granite of any colour and shade					
	Area of slab over 0.50 sqm	Sqm	1.2			
14	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc.,including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.					
	Granite work	Rmtr	4			
15	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	Sqm	1.2			
16	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fit and brackets, cutting and making good the walls wherever required :					
	Kitchen sink without drain board					
	610x510 mm bowl depth 200 mm	Nos	1			
17	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm	1.5			
18	Supplying, fitting and fixing 8 mm thick laminated wooden flooring work conforming to EN13329:2006 with plank size not less than 1200mmX 190 mm (with unilin/tongue-groove locking arrangement) having 0.2mm thk top abrasive layer over a decorative layer followed by a High-density fibreboard (HDF) having density > 940 kg/m3 substrate core over a resin saturated backing layer and installing through unilin or tongue- groove system (having locking strength not less than 1000 kg/m) over a 2 mm thk underlayer polyurethane foam on polythene sheet 250 micron, over a smooth, flat, hard subfloor free from moisture (< 8%), grease etc. complete in all respect with requisite accessories like end profile,transition profile, reducer 'T' profile etc. wherever required and preparation of base including all other incidental works as per direction & satisfaction of Engineer in charge. Cost of Laminate Floor Accessories only (Skirting,End edge, Tmoulding,Reducer )shall have to be added separately, wherever required. (Note: This work should not be executed without specific permission of Engineer in charge).colour and pattern will decided by EIC.	Sqm	130			
	same as above for Skirting,End edge, Tmoulding,Reducer	Rmtr	120			
19	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.	Nos	1			
20	plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.					
	External work 15 mm nominal outer dia Pipes	meter	10			
21	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of thermal stability for hot & cold water supply, including all CPVC plain & brass thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes thermal stability for hot & cold water supply, including all CPVC plain & brass thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge					
	Concealed work, including cutting chases and making good the walls etc.					
	15 mm nominal outer dia Pipes	meter	10			
22	Providing and fixing brass bib cock of approved quality					
	15 mm nominal bore	nos	1			
23	Fixing of stop cock in G.I. pipe line including cutting and threading the pipe and making long screws etc. complete (Price of stopcock to be paid separately. (Cost of 1 mtr with stop cock)	nos	1			
24	Providing and fixing brass stop cock of approved quality :					
	15 mm nominal bore	nos	1			

25	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C.waste fittings complete					
	Semi rigid pipe					
	32 mm dia	nos	1			
					<b>Total Amount in Rs</b>	