

**BILL OF QUANTITIES FOR CIVIL & INTERIOR WORKS  
AMRIT PHARMACY AT AIMS, RAIPUR**

Sl.No.	Item	Unit	Qty	Rate	Amount
<b>A</b>	<b>FLOORING / CLADDING</b>				
1	<p><b>VINYL FLOORING-1:</b> P/F of Vinyl Flooring of 2mm thick 100% recycled PVC flexible, homogeneous antistatic calendared compacted floor covering, minimum weight 3120 g/m<sup>2</sup> in minimum sheet of size 2mtrs. x 20 mtrs. approved pattern &amp; colour combination with PUR Protect or equivalent surface treatment having wear minimum resistance of <math>\leq 4.0\text{mm}^3</math> as per EN 660.2 and wear group Group P as per EN-649 and should have a minimum residual indentation of <math>&lt;0.03\text{mm}</math> confirming to EN-433. The laid flooring should have non- directional design, colour dyed as a raw mixture to ensure even colour throughout the thickness and its surface should be densely compacted for improving wear and ease of maintenance with Anti-bacterial and Fungicidal properties. The laid flooring shall confirms the fire rating B1 class as per EN 13501-1. The floor finish should terminate at the room perimeter passing over a concealed cove former and continuing up the wall for 100mm. The joints in the flooring should be sealed by using a PVC welding bar of matching colour to be supplied by the manufacturer, using a hot air gun for fusion of welding bar with flooring. The subsurface undulations, if any to be filled using suitable material approved by Engineer-in-Charge, prior to the laying of flooring sheet. Roll shall be installed with glue.</p> <p>Make:Polyflor,LGHausys/Equivalent as approved (Basic Rate-1600Rs/SqM)</p>	SqM	18.00		
2	<p><b>CARPET FLOORING:-</b>P&amp;F of modular carpet tile, made of 100% Polyamide (also called Nylon) yarn, manufactured in Europe (no Asian manufacturing acceptable), primary backing of 100% recycled material Col-back®, secondary backing of Back2Back: Modified bitumen enhanced with a thermoplastic elastomer, reinforced with a glass fibre fleece covered with 100% PES fleece, with 10% recycled content included. Design intent to be of Modulys range, as finalized by the consultants and the minimum pile weight of 540g/m<sup>2</sup> (16Oz/yd<sup>2</sup>). It should have minimum total height of 6mm, minimum tuft density of Ca. 186.000 /m<sup>2</sup>. The said carpet should be classified for continuous use under chair castors and achieve class: A as per EN985, it should be classified for use under heavy traffic usage and achieve class 33-LC1 as per EN1307, it should dimensionally stable to a max limit of 0.2% as per EN986, it should have fire resistance rating of Bfl-S1 as per EN 13501-1, it should achieve permanent anti-static reading of <math>\leq 2\text{kV}</math> as per ISO 6356, it should achieve a reading of <math>\geq 7</math> for colour fastness to light as per ISO 105-B02, it should achieve a reading of <math>\geq 4</math> for rubbing fastness as per ISO 105-X12, it should achieve a reading of <math>\geq 4</math> for colour fastness to water as per ISO 105-E01. The said selected modular carpet tile manufacturer should be in a position to furnish valid CRI-IAQ-GLP, ISO9001 (quality), ISO14001 (environment), CRI IAQ GLP (indoor air quality), ISO26000 (CSR) certificates. The said modular tile should carry a warranty for 15 years. All this is to be installed on a smooth and dry sub floor, complete as per drawings and instructions of the consultants. Make:Shaw / Interface / CCIL / Miliken (Basic Rate-2100Rs/SqM)</p>	SqM	68.00		
<b>B</b>	<b>PARTITIONS &amp; PANELLING</b>				
1	<p><b>WOODEN FRAME WORK:</b> P/F 50mmx50mm <b>Kail wood frame</b> (Seasoned, anti termite proofed) wood frame for paneling / partition in reception and other areas as per detailed drawing.</p>	SqM	3.00		

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2	<b>GYPSUM BOARD PARTITION:</b> Providing and fixing partition upto ceiling height consisting of G.I. frame and required board, including providing and fixing of frame work made of special section power pressed/ roll form G.I. sheet with zinc coating of 120gms/sqm(both side inclusive), consisting of floor and ceiling channel 50mm wide having equal flanges of 32 mm and 0.50 mm thick, fixed to the floor and ceiling at the spacing of 610 mm centre to centre with dash fastener of 12.5 mm dia meter 50 mm length or suitable anchor fastener or metal screws with nylon plugs and the studs 48 mm wide having one flange of 34 mm and other flange 36 mm and 0.50 mm thick fixed vertically within flanges of floor and ceiling channel and placed at a spacing of 610 mm centre to centre by 6 mm dia bolts and nuts, including fixing of studs along both ends of partition fixed flush to wall with suitable anchor fastener or metal screws with nylon plugs at spacing of 450 mm centre to centre, and fixing of boards to both side of frame work by 25 mm long dry wall screws on studs, floor and ceiling channels at the spacing of 300 mm centre to centre. The boards are to be fixed to the frame work with joints staggered to avoid through cracks, M.S. fixing channel of 99 mm width (0.9 mm thick having two flanges of 9.5 mm each) to be provided at the horizontal joints of two boards, fixed to the studs using metal to metal flat head screws, including jointing and finishing to a flush finish with recommended jointing compound, jointing tape, angle beads at corners (25 mm x 25 mm x 0.5 mm), joint finisher and two coats of primer suitable for board as per manufacture's specification and direction of engineer in charge all complete.  75 mm overall thickness partition with 12.5 mm thick double skin fire rated board conforming to IS: 2095: part I Make: India Gypsum/Lafarge/Equivalent	SqM	46.00		
3	<b>PLYWOOD LAYER:</b> P/F of 8mm thk BWP Ply fixed on relevant Frame Work (GI/Merandi Wood frame work). Make:India Gypsum/Lafarge/Equivalent	SqM	17.00		
4	<b>PLYWOOD LAYER:</b> P/F of 12mm thk BWP Ply fixed on relevant Frame Work (GI/Merandi Wood frame work). Make:Archidply,Green ply,Truwood	SqM	2.00		
5	<b>PLYWOOD LAYER:</b> P/F of 19mm thk commercial board fixed on relevant Frame Work (GI/Merandi Wood frame work). Make:Archidply,Green ply,Century	SqM	9.00		
6	<b>MDF LAYER:</b> P/F of 12 mm thk. MDF complete with grooves as per detail finished with grooves.in columns. Edges of MDF to be finshed in the same finish match to main panel.	SqM	2.00		
7	<b>LAMINATION:</b> P/L 1mm thick lamination as per approved colour and texture on ply/board where ever necessary including glue and required hardware Make: Marino / Archid/ Greenlam/Equivalent	SqM	9.00		
<b>C</b>	<b>DOORS &amp; HARDWARES</b>				
1	Door D1:(1500X2200) Providing and fixing 12 mm thick Double leaf frameless toughened glass door. The rate should be inclusive of all hardware Ozone upper patch bottom patch , Ozone make door handle OGH (25x1200)/PSS/ SSS-H shape , Ozone make floor spring FS 8400, floor lock, strike plate & EP cylinder, complete as per the design and drawing and direction of Engineer-in-charge.	Sqm	4.00		
2	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.  Powder coated aluminium (minimum thickness of powder coating 50 micron)	Kg	40.00		

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3	<b>ROLLING SHUTTER:</b> Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. Size:3000x2400mm	Sqm	16.00		
3.1	Providing and fixing ball bearing for rolling shutters	Each	4.00		
3.2	Extra for mechanical devices chain and cranked operation for operating rolling shutters: exceeding 10.00 sqm and up to 16.80 sqm area of door				
	Exceeding 10.00 sqm and upto 16.80 sqm in the area	Sqm	16.00		
<b>D</b>	<b>CEILING</b>				
1	<b>GRID CEILING</b> :P/F of Mineral Fibre Acoustical Suspended Ceiling System with (MICRO LOOK) EDGE TILES :The tiles-Humidity Resistance (RH) of 99%, NRC 0.7, Light Reflectance >88%, Thermal Conductivity k = 0.052- 0.057 w/m K, Colour White, Fire Performance A2-s1.d0 in module size as/dsgn /19 mm thk with Bio Block coating on the face of the tile, suitable for Green Building application, with Recycled content of 81-84%. The tile shall be laid on 15mm tegular profile grid system as/manufactures standards.  INSTALLATION: To comprise main runner spaced at 1200mm centres securely fixed to the structural soffit using same make suspension system at 1200mm maximum centre & not more than 150mm from spliced joints. The First/Last suspension system at the end of each main runner should not be greater than 600mm from the adjacent wall. 1200mm long cross tees to be interlocked between main runners at 600mm centre to form 1200 x 600 mm module. All Perimeter trim to be of wall angles, secured to walls at 450 mm maximum centres.  SUSPENSION SYSTEM accessories consisting of M6 Anchor Fasteners with Vertical Hangers made of Galvanised steel of size 26 x 26 x 25 x 1.2mm .Straightened Hanger wire of dia – 2.68 mm of 1.83 m length., thickness with Adjustable hook clips of 0.8mm thick.The adjustable clip also consists of a 3.5 mm aquiline wire to be used with the main runner.(Service Areas)  Make: Amf/Armstrong/Equivalent Tile: 600x600x19	Sqm	91.00		
<b>E</b>	<b>FIXED STORAGES</b>				
1	<b>MEDICINE STORAGE:</b> P/F of 2400mm high storage unit.600mm deep prelaminate storage unit with 18mm thk prelaminate shelves and shutters fixed with auto hinges to be provided.The height of 600mm deep storage shall be 750mm. 350mm deep storage unit to be fixed between two 150mm wide laminated facia. 300mm wide 10mm thk toughned glass shelves to be fixed with aluminium channel and adjustable holders till 2100mm. In built over head storage unit of 350mm depth 300mm height to be fixed above 2100mm height. Note: Storage unite to include: Shutters of 18mm thk prelaminate,18mm thick, back ply, auto closing hinges, individual locks, 150mm lonk 10mm dia "H" handle, adjustable screws.adjustable levers.  Make:Greenlam-283 Sky blue /Duro / Marino	SqM	33.00		
2	<b>MEDIUM STORAGE:</b> P/F of prelaminate storage unit of 25mm thk prelam board top with ABS edge banding as sides of the storage as/dsgn.18mm thick prelam board hinged shutter with laminate and handle with individual locks. 6mm thk laminated ply as backing of the unit along with 18mm thk prelam board as adjustable shelves. Size:1200x1800x600.  Make:Greenlam/Duro / Marino-701 Rising beech	SqM	13.00		
3	<b>COUNTER:</b> P/P of Double level Counter of 750mm depth and Counter top at 850mm level. 12mm thk acrylic sheet to be used for counter top on 25mm thk commercial ply. 12mm thk "L" shaped laminated strip of 150x200 to be fixed with 12mm thk ply at 850mm. 18mm thick prelaminate shelves to be inbuilt in counter. UPS and inverter shutters to be fixed with aluminium louvers as per dwg. Under counter shorage unit to be fixed with individual locks and handles as per app. 150mm high SS glossy skirting. 600mm wide laminated door and openable counter top to be part of the counter as per design..  Make: Greenlam-173 Barbie Pink, 283 Sky Blue/LG Hausys-G019 Natural Quartzs/Equivalent	SqM	6.00		

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4	<b>HIGH STOOLS</b> : P/P fabric seat /back , 5 pronged chrome plated finish base on twin wheel casters with 3600 Swivel gas lift height adjustment, Color of upholstery as per app. Make: Multi Seats/ Geeken/ Featherlite	Nos	6.00		
F	<b>PAINTING &amp; FINISHING</b>				
1	<b>ACRYLIC EMULSION PAINT</b> - Apply 3 coats in roller mode-paint with oxy rich 100% acrylic water base coating. Paint shall emit 90% less VOC, Soft sheen, High Scrub resistant, free from lead, Mercury, Chromium. Rate include base preparation as per site conditions.paint, Colour : Blue Make:Berger / Nerolac / Asian	SqM	185.00		
2	<b>DUCO PAINT:</b> P/A Duco Lacquer finish including all subsurface preparation. Basic Rate including application: 650/SqM Make: ICI, Nerolac, Asian, Berger	SqM	5.00		
G	<b>GRAPHICS &amp; SIGNAGES</b>				
1	<b>FROSTED FILM</b> : P/A of Anti glare - Dusted and frosted FILM to look like sandblasted or etched glass, Permanent, pressure-sensitive films to have transparent synthetic liner for easy cutting of logos or designs. Basic Rate-1240 Rs/SqM, Rates to include all delivery at site, installation & relevant taxes Make:3M™ Crystal™ Glass Finishes 7725SE-314 Dusted Crystal / Garvare/Equivalent	SqM	6.00		
2	<b>CORPORATE SIGNAGE</b> : LED display board multicolor outdoor signage, LED-P-10 tile, size 5mm oval, box-MS power coated, power supply-220V-AC. Size:2400x450	Nos	1.00		
3	<b>SIGNAGES:</b> Photo luminiscent All signs can be provided on Acrylic, Rigid PVC with reflective Vinyl of different colours, Powder coated or Anodized, Aluminium sheets, Back-lit-vinyl-polycarbonate sheets and also on autoglo Photoluminescent sheets which glow-in-the-dark.size:150x300	Nos	1.00		
H	<b>MISCELLANEOUS WORKS</b>				
1	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	Cum	1.00		
2	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.and handing over to the authority in cement mortar	Cum	2.00		
3	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead: Of area 3 sq. metres and below	Each	2.00		
4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:4 (1 cement : 4 coarse sand	Cum	2.00		
5	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead : With cement mortar 1:4 (1 cement : 4 fine sand)	SqM	10.00		
	<b>TOTAL</b>				-