

CONSULTANT :	ARNITA CONSULTANTS PVT. LTD.				
CLIENT :	K. M. KUNDNANI COLLEGE OF PHARMACY				
PROJECT :	PILOT LAB				
LOCATION :	CUFFE PARADE, MUMBAI				
JOB NO. :	2324-005				
DOC NO :	AR-2324-005-MISC-SPEC-01-R0				
AREA :	150 Sqm lab + 60 Sqm AHU shed area				
DATE :	06.07.23				
SR.NO.	DESCRIPTION	UNIT	QTY.	RATE	AMOUNT
	Kindly quote for supply and installation of following items.				
A	Clean room partitions				
1	Providing & fixing double skin partitions of 50mm thickness made with demountable & re locatable wall panels of GPSP-G.I. (120GSM Zinc coated) epoxy polyester powder coated (Jotun or equivalent make 60-80micron thickness) sheets of specified thickness on both sides with infill of Puf /Rockwool as specified, Dow Corning RTV 733 or equivalent silicon sealant filling at joints, heavy duty PVC/MS conduits of 25 mm dia-2nos in every 3rd panel incl cutout & flashing plate for fixing module, raised floor track for level adjustments, cap for closing gap at top of panel, accessories, staging,				
a	Progressive panels with PUF infill of 40kg/cum density and 0.8mm thick GPSP-GI sheets, heavy duty PVC	Sqm	110		0
b	Progressive 2hour fire rated panels with Rockwool infill of 96kg/cum density and 0.8mm thick GPSP-GI sheets, MS conduits, complying BS 476 Part 22-1987	Sqm	70		0
2	Providing & fixing double skin partitions of 50mm thickness made with demountable & re locatable wall panels of SS (hairline finish, 304 grade) sheets on both sides with infill of Puf/Rockwool as specified, Dow Corning RTV 733 or equivalent silicon sealant filling at joints, heavy duty PVC conduits of 25 mm dia-2nos in every 3rd panel incl cutout & flashing plate for fixing module, raised floor track for level adjustments, cap for closing gap at top of panel, accessories, staging, scaffolding, all inclusive. Shall be considered for Wet areas. (Tenderer to specify)				
a	Progressive panels with PUF infill of 40kg/cum density and 0.8mm thick SS sheets, heavy duty PVC conduits	Sqm	65		0
b	Progressive 2hour fire rated panels with Rockwool infill of 96kg/cum density and 0.8mm thick SS sheets, MS conduits, complying BS 476 Part 22-1987	Sqm	R.O.		
B	Clean room cladding (consider minimum available thickness)				
1	Providing & fixing double skin cladding panels of 50mm thickness made with demountable & re locatable wall panels of GPSP-G.I. (120GSM Zinc coated) epoxy polyester powder coated (Jotun or equivalent make 60-80micron thickness) sheets of specified thickness on visible side & bare on other side, infill of Puf /Rockwool as specified, Dow Corning RTV 733 or equivalent silicon sealant filling at joints, heavy duty PVC/MS conduits of 25 mm dia-2nos in every 3rd panel incl cutout & flashing plate for fixing module, raised floor track for level adjustments, cap for closing gap at top of panel,				
a	Progressive panels with PUF infill of 40kg/cum density and 0.8mm thick GPSP-GI sheets on visible side & 0.6mm thick bare sheets on other side, heavy duty PVC	Sqm	55		0
b	Progressive 2hour fire rated panels with Rockwool infill of 96kg/cum density and 0.8mm thick GPSP-GI sheets on visible side & 0.6mm thick bare sheets on other side, MS conduits, complying BS 476 Part 22-1987	Sqm	R.O.		
2	Providing & fixing double skin cladding panels of 50 mm thickness made with demountable & re locatable wall panels of SS (hairline finish, 304 grade) sheets of specified thickness, SS sheet on visible side & bare GI sheet on another side with infill of Puf /Rockwool as specified, Dow Corning RTV 733 or equivalent silicon sealant filling at joints, heavy duty PVC/MS conduits of 25 mm dia-2nos in every 3rd panel incl cutout & flashing plate for fixing module, raised floor track for level adjustments, cap for closing gap at top of panel, accessories, all inclusive. Shall be considered for Wet areas. (Tenderer to specify)				
a	Progressive panels with PUF infill of 40kg/cum density and 0.8mm thick 'SS sheets on visible side & 0.6mm thick bare GI sheets' on other side, heavy duty PVC	Sqm	10		0
b	Progressive 2hour fire rated panels with Rockwool infill of 96kg/cum density and 0.8mm thick 'SS sheets on visible side & 0.6mm thick bare GI sheets' on other side, MS conduits, complying BS 476 Part 22-1987	Sqm	R.O.		
C	View panels				



1	Providing & fixing hermetically sealed double glazed view panels in 50mm thk. Double skin partitions using 6 mm toughened glass having 20mm ceramic paint black border, flushed on both sides and the edges sealed with Dow Corning RTV 733 or equivalent silicon sealant, SS spacer channels/GPSP-GI powder coated sheets/ACP sheets along jambs with curved corners, staging, scaffolding, all inclusive. (In case of similar width of view panel & partition panel, deduction for the view panel size)				
a	1mm thick GPSP-GI powder coated sheets in jambs & toughened glass	Sqm	10		0
b	1mm thick GPSP-GI powder coated sheets in jambs & 2hour fire rated glass of Saint Gobain or equivalent	Sqm	R.O.		
D Clean room ceiling					
1	Providing & fixing double skin metal non walkable ceilings of 50 mm thickness made with demountable & relocatable, suspended/self supported load bearing ceiling panels of GPSP-G.I. (120GSM Zinc coated) epoxy polyester powder coated (Jotun or equivalent make 60-80micron thickness) sheets of 0.8mm thickness for soffit and 0.6mm thick bare sheets on other side, necessary stiffeners inside, Dow Corning RTV 733 or equivalent silicon sealant at panel joints from top & bottom side, infill of Puff /Rock wool as specified, accessories, staging, scaffolding, all inclusive. (Tenderer to specify MOC & support system)				
a	Progressive panels with PUF infill of 40kg/cum density	Sqm	110		0
b	Progressive 2hour fire rated panels with Rockwool infill of 96kg/cum density, complying BS 476 Part 22-1987	Sqm	30		0
2	Providing & fixing double skin non metal walkable ceilings of 50mm thickness made with demountable & relocatable, suspended/self supported load bearing ceiling panels of SS sheets of 0.8mm thickness (hairline finish, 304 grade) for soffit & pre-coated (28-34 micron thickness) PPGI sheets of 0.8mm thickness on other side, necessary stiffeners inside, Dow Corning RTV 733 or equivalent silicon sealant at panel joints from top & bottom side, infill of Puff /Rockwool as specified, accessories, staging, scaffolding, all inclusive. (Tenderer to specify MOC & type of support system)				
a	Panels with PUF infill of 40kg/cum density	Sqm	5		0
b	Progressive 2hour fire rated panels with Rockwool infill of 96kg/cum density, complying BS 476 Part 22-1987	Sqm	R.O.		
E Clean room doors					
2	Providing & fixing epoxy polyester powder coated (Jotun or equivalent make 60-80 micron thickness) pre fabricated GPSP-G.I. (120GSM Zinc coated) double glazed sandwiched flush doors on masonry wall including single rebate profile G.I. frame 1.2mm thick, double skin shutter/leaf (G. I. sheet on both sides) 0.8mm thick, flushed with G.I. tube internal frame & lock seamed stile edges, hermetically sealed double glazed vision panels of 5mm toughened glass having 20mm ceramic paint black border & flushed on both sides with double side adhesive 3M tape and the edges sealed with Dow Corning RTV 733 or equivalent silicon sealant, SS 304 channel inside with curved corners, & also, including S.S. 304 D type handle from pull side, SS 304 1.2mm thick push plate from push side, concealed tower bolt (flush bolt), S.S. screws, anchor fasteners, S.S. 304 ball bearing butt hinges-4 nos minimum for each leaf, door seal gasket for sides other than bottom, provision for fixing electrically operated drop bolt for door interlock/access control, provision for concealed door closer in case concealed door closer is				
a	Doors with PUF infill of 40kg/cum density				
i	900x2200mm	No	3.00		0
ii	1000x2200mm	No			
iii	1200x2200mm	No			
b	1hour/2hour Fire rated doors with Rockwool infill of 96kg/cum density, complying BS 476 Part 22-1987				
i	900x2200mm	No	R.O.		
ii	1000x2200mm	No	R.O.		
iii	1200x2200mm	No	R.O.		
	Emergency Door With Panic Bar (1200 x 2200)	No	1.00		0



2	Providing & fixing epoxy polyester powder coated (Jotun or equivalent make 60-80 micron thickness) pre fabricated GPSP-G.I. (120GSM Zinc coated) double glazed sandwiched flush doors on partition panels including single rebate profile G.I. frame 1.2mm thick, double skin shutter/leaf (G. I. sheet on both sides) 0.8mm thick, flushed with G.I. tube internal frame & lock seamed stile edges, hermetically sealed double glazed vision panels of 5mm toughened glass having 20mm ceramic paint black border & flushed on both sides with double side adhesive 3M tape and the edges sealed with Dow Corning RTV 733 or equivalent silicon sealant, SS 304 channel inside with curved corners, & also, including S.S. 304 D type handle from pull side, SS 304 1.2mm thick push plate from push side, concealed tower bolt (flush bolt), S.S. screws, anchor fasteners, S.S. 304 ball bearing butt hinges-4 nos minimum for each leaf, door seal gasket for sides other than bottom, provision for fixing electrically operated drop bolt for door interlock/access control, provision for concealed door closer in case concealed door closer is specified & automatic door bottom seal & filling with infill				
a	Doors with PUF infill of 40kg/cum density				
i	900x2200mm	No	1.00		0
ii	1000x2200mm	No			0
iii	1200x2200mm	No	7.00		
b	1hour/2hour Fire rated doors with Rockwool infill of 96kg/cum density complying BS 476 Part 22-1987				
i	900x2200mm	No	R.O.		
ii	1000x2200mm	No	R.O.		
iii	1200x2200mm	No	2.00		0
F	Door accessories				
1	Providing and fixing 90 degree hold open door closer of 'Dorma' or equivalent make, all complete. (Heavy Duty Hold Open TS 83 Model of Dorma or equivalent)	No	13		0
2	Providing & fixing standard arm door closer of 'Dorma' or Briton make, all complete. (Model TS-68 of Dorma or equivalent)	No	R.O.		
3	Providing and fixing Automatic concealed drop seal of Enviroseals CATS-3 ST or equivalent make at door bottoms to seal gap up to 15 mm including fixing with appropriate screws, specified finish, all complete. (The drop seals will be measured for the clear length available between door frames)	Rm	13		0
4	Providing and fixing surface mounted brush strip seal of Enviroseals ES EBS or equivalent make for door bottoms to seal gap up to 15mm including fixing with appropriate screws, specified finish, pvc cap to cover the screws, all complete. (The drop seals will be measured for the clear length available between door frames)	Rm	13		0
5	Extra for providing & fixing 1.2mm thick S. S. 304 grade hair line finish kick plates on door leaves with 3M tape, all complete	Sqm	4		0
6	Supplying and fixing dead locks 'Dorset' or equivalent with external side key operation & internal side thumb operation, all complete. (Tenderer to mention the model considered)	No	12		0
G	Misc. items (CLP)				
1	Providing cutouts in Ceiling/ Partition panels for light fixtures/HVAC fixtures/Equipment/Magnehelic gauge/Speaker/Pendants including necessary strengthening, lip of C or Z profile around the cutout, collar around equipment cutouts, sealing with Dow Corning RTV 733 or equivalent silicon sealant from either sides of				
a	Cutouts up to size 300 x 300mm	No	R.O.		
b	Cutouts above 300 x 300mm & up to size 700 x 700mm	No	R.O.		
c	Cutouts above 700 x 700mm	Sqm	R.O.		
2	Providing & laying 3mm thick polypropylene fluted plastic or bubble sheets for ceiling protection including tapes along the sheet joints & removal later after completion of works in all respects, all inclusive.	Sqm	180		0
3	Providing & fixing 50 x 50 x 1mm size epoxy polyester powder coated Aluminium coving of colour matching to ceiling & partitions, at the junction of ceiling & partition, partition & partition including press fit arrangement with & over pvc/aluminium base member, 3D corner piece, staging scaffolding etc all inclusive	Rm	350		0
	2D external Corner Pillars	Rmt	42		0
	2D external Corner	Nos	30		0



4	Providing and fixing matt hairline finish extruded S.S. corner angles of size 85mm X 85mm X 1mm in S.S. 304 over partitions for edge protection , VHB 3M tape, etc. all inclusive	Rm			0
5	Providing & fixing accessories for mounting Magnehelic gauge over partition like S.S. box, high & low side pressure ports, silicon tubing, hair line finish SS 304 grade cover plates of 200 x 250 x 1.2mm size fixed by means of appropriate dome nut screws all complete	No	R.O.		
6	Providing & fixing hair line finish SS 304 grade cover plates of 250 x 200 x 1.2mm size over partitions for closing openings in the panels by means of appropriate dome nut screws	No	R.O.		
7	Providing & fixing hairline finish SS 304 grade back plate of 500 x 1000 x 1.2mm size with fixing arrangement over partitions for Fire Extinguisher .	No	R.O.		
8	Providing & fixing fire extinguisher box of size 750 x 750 mm & depth up to 300mm made with panels of GPSP-G.I.(120GSM Zinc coated) epoxy polyester powder coated (Jotun or equivalent make 60-80micron thickness) sheets of 1mm thickness with infill of Puf /Rockwool as specified, making cutout in panel, stiffeners, door along with view panel of toughened glass of 500mm x 500mm size & door accessories like D type SS handle, SS ball bearing hinges,	No	R.O.		
H	Flooring				
1	Providing and fixing 2.0mm thick homogeneous Polyvinyl chloride sheet in flooring and skirting in approved pattern on a smooth and damp proof base using rubber based adhesives of approved quality and manufacturer like Dunlop S-758, Fevicol SR 998 or equivalent including rolling with light wooden roller weighing about 5 kg. All complete as directed by Engineer-in-Charge, in approved colour and shade. The Vinyl flooring must conform to all standards, including the new VOC emission classes. The welding / seaming shall be done using hot air welding	Sqm	175		0
Basic Supply					0
Packing					0
Basic of Installation					0
Grand Total					0

