

**NATIONAL CENTRE FOR BIOLOGICAL SCIENCE
TATA INSTITUTE OF FUNDAMENTAL RESEARCH**

**Name of the work - Modification of Existing Laboratory space to Dr. Radhika's Lab At NCBS
Campus (Civil Works)**

Schedule of Quantities

S.No	Description of item	Units	Qty	Rate		Amount	
				In Figure and words		Rs.	Ps.
1	Providing and fixing at all heights / in all floors with all leads of approved Colour Anodized / powder coated Aluminium doors / windows / partitions manufactured from best extruded Aluminium sections conforming to ISI, cut to length, joints mitred and corners grinded with joints water proof the outer frame and shutter frame stiffened with corner angle strips or provided for in the frame for fixing the frame to RCC Columns / masonry on sides, RCC lintels on top and PCC cills or floor at bottom, the frame work fixed with standard approved fastenings all generally as per details shown in drawings and specification with all the sections pre-treated for removal of any rust and prevention of further rust formation and coated with greasy materials for non-adherence of mortar or any other sticky materials and this coat to be removed after installations of the sub-dividing frames by tenoned						
	and riveted into frames all aluminium surface be thoroughly cleaned free of rust scale or dirt and mill scale by pickling surfaces finished with colour anodized of 10 micron thick / powder coated of 30 micron thick dullmatt finishing including cost of pull and push plates and fixtures for hinged openings (arrangement with steel bearings wherever necessary), cost of labour for fixing of mortice lever locks, aluminium handles, door fittings like tower bolts etc., supplied free for fixing including screws / bolts (or these materials measured separately elsewhere) where shutters are involved etc., complete, cost of providing and fixing of glass of selected glazing quality of thickness and type of glass specified hereinafter or panel boards including nylon or PVC or rubber lining of approved quality wooden grounds, rubber gasket, aluminium glazing clips, mastic etc., and fixing with aluminium glazing clips and also snap-on type with holes as per drawing and specifications provided for						
	separately in the sub items following the main items of frame work for partition and door shutters as below: NOTE: All fitting works shall be carried out as per I.S specifications including necessary rivets, screws, lugs, scaffolding, etc., complete all generally as per drawings. The sizes of the components should confirm as per details in drawings. Thickness of powercoating should be 30 microns.						

S.No	Description of item	Units	Qty	Rate	Amount
				In Figure and words	Rs. Ps.
A	Providing and fixing of Colour anodized / Powder coated Aluminium (Matt finish) frame work (horizontal and verticals) for partitions Doors / Windows with required sections of JINDAL / INDAL make or equivalent including all items and contingencies described above complete (Aluminium beadings and glazing clips measured under this item only).	KG	262.00		
B	Providing and fixing of frame work (styles and rails) for doors shutters / window shutters with required sections of JINDAL / INDAL make or equivalent including providing all items and hinged / pivoted / sliding arrangements for operation of shutters and labour cost for fixing of door fittings and locks (which shall be free issues for fixing or paid separately) etc., complete. (Aluminium beadings and glazing clips measured under this item only.)	KG	73.00		
2	Providing and fixing glass panes of selected glazing quality and thickness as specified below including providing and fixing Nylon / Rubber / PVC lining of approved quality and fixing with Aluminium glazing clips / Aluminium beadings (Supply cost of Aluminium clips / Aluminium beadings are measured in items 4.A and 4.B above for DOORS / WINDOWS / PARTITIONS etc., using 6mm thick plain glass	Sqm	27.00		
3	Providing and fixing 12mm thick flat pressed three layered wood based melamine faced prelaminated particle board bonded with Phenol formaldehyde with a decorate laminate of same colour on both sides - NOVOPAN PLT / BHUTAN BOARD - Exterior grade or equivalent, including cutting to required size and shape, fixing with aluminium glazing clips or triangular beading (measured and paid under item 4.A and 4.B above) including screws, putty etc., complete.	Sqm	28.00		
4	Providing and fixing at all height in all floor with all lead seamless type M/F suspended False ceiling of India Gypsum or equivalent using GI perimeter channel 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, screws fixed to brick wall / partition with the help of nylon sleeves and screws at 610mm centres. Then suspending GI intermediate channels of size 45mm (0.9mm thick with two flanges of 15mm each) from the soffit at 1220mm centres with ceiling angle of width 25mmx10mmx0.5mm thick fixed to soffit with GI cleat and steel expansion fasteners. 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 clip and in direction of perpendicular to the intermediate channel at 5\457mm centres.				

S.No	Description of item	Units	Qty	Rate	Amount	
				In Figure and words	Rs.	Ps.
	12.5mm tapered edge gypboard (conforming to IS 2095-1982) is then screw fixed to ceiling section with 25mm dry wall screws at 230mm centres. Screws fixing is done mechanically either with screw driver or drilling machine with suitable attachment. Finally the boards of 12.5mm thick gyp board are to be jointed and finished so as to have a flush look which includes filling and finishing the tapered and square edges of the boards with jointing compound, joint paper tape and two coats of drywall topcoat suitable for gypboard including providing scaffolding and executing the work at all heights. (Please refer drawing for details and recommended practices of India Gypsum or equivalent). NOTE: For lighting fittings, grills diffuses and cut-outs etc., have to be made with the frame of perimeter channels of size 20mm x 27mm x 30mm x 0.55mm thick supported suitable and should be considered as per drawing.	Sqm	46.00			
5	Painting internal plastered surfaces with two or more coats of super acrylic emulsion paint of approved brand and colour (Berger or Asian or equivalent) to give an even shade with required finish over a coat of water thinnable cement primer including cleaning the surfaces, filling the crevices with approved filler, scaffolding, etc., complete all as per specifications.	Sqm	215.00			
6	Repolishing the existing Kota Stone tile / cast-in-situ flooring / dado including finishing with oxalic acid, cleaning, etc; complete.	Sqm	100.00			
	Note:- Polishing to be taken up by Rubbing the existing floor after that a coat of polishing with Ready made wax polish with oxalic acid					
				Total Rs.		
NOTE: The contractor shall quote his rates in this schedule of quantity, submission of tender in any other format is liable for rejection.						

Total Amount In Words:

Signature Of The Contractor:

Date:

Address:

Signature of the contractor