

Name of the Work: Remodification of Existing laboratory space to facilitate Dr.Amey lab in first floor of Eastern Laboratory at NCBS

TENDER NOTICE NO: NCBS/Maint(Civil)/625/NIT-172/2023 DT: 27/06/2023

Schedule Of Quantities

S No.	Description	Unit	Qty	Rate	Amount
1	Dismantling ALUMINIUM / GYPSUM PARTITIONS, DOORS, WINDOWS, FIXED GLAZING AND FALSE CEILING including disposal of unserviceable material and stacking of serviceable material within 50meters lead as directed by Engineer-in-charge.	Sqm	80.00		
Rate in words:					
2	Removing white or colour wash by scrapping, sand papering the surface smooth including necessary repairs, etc. complete.	Sqm	75.00		
Rate in words:					
3	Providing and applying PLASTER OF PARIS PUTTY (BIRLA PUTTY or equivalent) of 2mm thickness over plastered surface to prepare the surface even and smooth complete. Cost to include scaffolding charges also.	Sqm	40.00		
Rate in words:					
4	Providing and fixing at all heights / in all floors with all leads Powder Coated Aluminium doors / windows / artitions 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 toRCC 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				

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	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 powder coating finishing 50 MICRON thick 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				
4a	Providing and fixing of frame work (styles and rails) for doors shutters / window shutters with required sections of JNDAL / 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	16.00		
	Rate in words:				
5	Charges for powder coating on existing aluminium pherpharals including loading, unloading, transport charges and necessary covering after power coating.	Kg	200.00		
	Rate in words:				

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6	Refixing/re erecting the aluminium partition sections as a door, window panels etc., with available aluminium sections and fixing the available boards and glasses stacked in storage shed including necessary rubber gaskets, hardware, tools, labour etc., complete	Sq.m	23.00		
Rate in words:					
7	Providing and fixing false ceiling at all height 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,				

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	grills, diffusers, cutouts 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 :12.45.1 12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095-(Part I) : 2011 (Board with BIS Certification marks)				
	12.5 mm thick tapered edge calcium silicate false ceiling				
	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	15.00		
Rate in words:					
8	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 above for DOORS / WINDOWS / PARTITIONS etc., using 4.5mm to 5.0mm thick plain glass	Sqm	11.00		
Rate in words:					
9	Supply Installation Testing & Commissioning of Modular partition Sandwiched wall panels of non progressive type of 50 mm overall thickness with powder coated sheets on both sides of 0.8mm thick (hot dip galvanising with zinc coating of 120 GSM). PUF(POLYURETHANE FOAM) as an infill material of density not less than that of 40+/-2kg/m ³ . Periphery is attached with aluminium groove section(M-section) by using riveting operation to suitably fit wall panel to bottom track and to adjacent panels with o-section(AL). Powder coating shall be 60-80 microns & The panel will come with cutouts for switch sockets with proper flashing & sealing of cutouts as well as inclusive of PVC conduit of 3 metre length having outer dia. of 27mm. Panel to install with O Type profiles in between two panels and to be erected on GI bottom track grouted with concrete floor.	Sqm	60.00		

S No.	Description	Unit	Qty	Rate	Amount
	Providing & fixing Aluminium Powder Coated coving / PVC covings of R70 to fill the gap between wall panel to false ceiling, Floor to wall panel and also between wall panel to wall panel & at corners. The covings are clip on type with extruded aluminium bottom track at the back to fix and finally all the joints sealed with silicon sealant etc complete as per manufacturer specification or as per instruction of Engineer-in-Charge.				
	This item includes bottom runner, interconnecting profiles, fixing arrangements, silicon sealant application, hardware, fitting & fixtures and all other accessories required to complete the work as per site requirement, technical specifications, drawings and instructions of the Engineer-Incharge. . Make, Colour: Powder coated as approved by NCBS,				
	Rate in words:				
10	Providing Core Cutting for walls/ for slabs of various dia including neat finishing and cleaning as directed by Engineer In-Charge				
10a	For dia 40mm/50mm/63mm/75mm upto 300mm depth	No's	3.00		
	Rate in words:				
11	Supplying and fixing HYDRAULIC DOOR CLOSER conforming to IS 3564 Everite or equivalent make of size specified below, inclusive of making adjustments and sorting it for smooth operation, etc.; complete all as per specifications.				
11a	Size 3 (To carry a door width up to 1000mm)	each	3.00		
	Rate in words:				
12	Supplying and fixing ALUMINIUM ANODISED MORTICE LOCK 6 levers 100mm conforming to I.S 2209 'Godrej' or equivalent make, straight edged bevelled or rotated as required, right or left handed as directed, suitable either to single or double leaf shutters including making necessary recess in shutter and fixing the mortice lock with aluminium anodised steel screws, etc.; complete all as per specifications.	Each	3.00		
	Rate in words:				
13	Care fully Removal and refixing the existing fixed/openable window glass panes of 5mm thick fixed in aluminium frame works after replacing the neoprene rubber gasket (U type) including necessary charges for materials,labour, etc up to 15mt height and as directed by engineer-in-charge as per specification.	Sqm	20.00		
	Rate in words:				

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14	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes (SDR 11) conforming to IS: 15778, having thermal stability for hot and cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and cost of cutting chases and making good the same with Cement Mortar 1:3, including testing of joints complete as per direction of Engineer-in-charge etc., for CONCEALED WORKS with:				
14a	CPVC pipes, 25mm outer dia	Rm	10.00		
	Rate in words:				
15	Providing and fixing rigid PVC SWR (soil, waste and rain water) drainage / rain water pipe conforming to Type-A IS: 13592, including accessories like bends and fixing with pipe clips, adhesive at joints all as per manufacturer's specifications to required length etc., complete all as per specifications and directions of Engineer-in-charge.				
15a	75mm dia OD pipes with minimum wall thickness of 1.80mm	rm	10.00		
	Rate in words:				
16	Painting INTERNAL plastered surfaces with TWO or more coats of PREMIUM SUPER ACRYLIC EMULSION PAINT of approved brand and colour (Asian or Berger 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, applying a coat of approved putty on whole surface and rubbing the surface to achieve desired smooth surface, scaffolding, etc., complete all as per specifications and directions of Engineer-in-charge.	Sqm	40.00		
	Rate in words:				
17	Painting INTERNAL plastered surfaces with ONE or more coats of PREMIUM SUPER ACRYLIC EMULSION PAINT of approved brand and colour (Asian or Berger or equivalent) on OLD WORK to give an even shade with required finish including cleaning the surfaces, filling the crevices with approved filler, applying a coat of approved putty on whole surface and rubbing the surface to achieve desired smooth surface, scaffolding, etc.; complete all as per specifications and directions of Engineer-in-charge.	Sqm	290.00		

S No.	Description	Unit	Qty	Rate	Amount
	Rate in words:				
18	Painting WOOD / STEEL WORK with ONE or more coats of SYNTHETIC ENAMEL PAINT of first quality and approved colour to give an even shade including cleaning the surfaces, filling the crevices with approved filler, scaffolding, etc.;complete all as per specifications.	Sqm	22.00		
	Rate in words:				
19	Disposal of surplus excavated earth/ moorum / building rubbish / malba / similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, for lead upto 10km for all lifts, complete all as per directions of Engineer-in-charge. Note: Item to be applicable in urban areas having directions for restricted hours for movement/ plying of load carrying motor vehicle of 3.5cum or more.	Cum	3.00		
	Rate in words:				
20	Providing and laying unbacked flexible P.V.C / marbled flooring / skirting with PVC sheets / Marbled tiles as specified below of approved make and shade including preparing the surface, cleaning as required and applying adhesive - as recommended by the PVC / Marbled tile manufacturers, laying, aligning, cutting in required size and pattern, trimming of tiles, removing the adhesive stains on the surface including cleaning the surface with soap solution (2 table spoons of soap powder for 5ltr of water) using a cloth or mop or and wiping the dried surface with soft dry cloth etc.; complete all as per specifications. In PVC flooring / skirting / dadoing: with 2mm thick unbacked flexible fully homogeneous PVC sheets in rolls of approved make and quality - viz., Poly floor of M/s. Poly floor vinyl flooring or TUSKER of M/s. Krishna vinyls Limited or Birla vinoleum of M/s. Birla corporation Limited or equivalent make conforming to IS: 3462 as per the directions of EIC.	Sqm	25.00		
	Rate in words:				

S No.	Description	Unit	Qty	Rate	Amount
21	Repolishing the existing terrazzo tile / cast-insitu flooring / dado including finishing with oxalic acid, cleaning, etc.; complete.	Sqm	75.00		
Total Amount Rs.					
The rate in the schedule should be inclusive of all taxes including 18% GST and 1% labour cess.					

Note: The contractor shall quote his rates in this schedule of quantity. Submission of tender in any format is liable for rejection.

Total amount in Words:

Seal and Signature of Contractor