

**Name of the work: - Setting up of Cryo Facility in Basement Floor Instem lab - Civil Works**

**Schedule of Quantity**

SL. No.	Description	Unit	Qty	Rate (in words & figures)	Amount
1	Providing and fixing at all heights / in all floors with all leads Colour Anodised 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 or rust scale or dirt and mill scale by pickling surfaces finished with colour anodised dull matt finishing 10 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.				

SL. No.	Description	Unit	Qty	Rate (in words & figures)	Amount
1.1	Providing and fixing of Colour Anodised 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).	Kgs	300.00		
	<b>Rate in Words</b>				
1.2	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.)	Kgs	25.00		
	<b>Rate in Words</b>				
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 relevant items )above for DOORS / WINDOWS / PARTITIONS etc., using 4.5mm to 5.0mm thick plain .	sqm	2.00		
	<b>Rate in Words</b>				
3	Providing and fixing ACP sheet panels Of 5mm thick with interior grade of approved brand including necessary charges for materials, labour etc., complete as per standard specification and as directed by E In C.	sqm	50.00		
	<b>Rate in Words</b>				
4	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes (SDR 13.5) 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 testing of joints complete as per direction of engineer-in-charge etc., for INTERNAL WORKS EXPOSED ON WALLS with:				
	CPVC pipes, 25mm outer dia	mtr	12.00		
	<b>Rate in Words</b>				

SL. No.	Description	Unit	Qty	Rate (in words & figures)	Amount
5	Supply, Laying and Fixing in position under floor, against wall in chases PVC SWR Drainage pipes and specials, rubber rings conforming to Type 'B' of IS:13592 'Supreme' or equivalent approved make as per manufacturers specification including cutting the pipes to required lengths, necessary excavation, chasing and restoring to original conditions, testing etc. complete. (Specials at junction of lateral pipe and vertical stack must have access door for inspection)				
	75mm dia (min wall thickness 3.2mm)	Mtr	12.00		
	<b>Rate in Words</b>				
6	Supplying, fabricating and erecting in position steel works in single sections including cutting, hoisting, fixing in position, applying a priming coat of red oxide zinc chromate primer and painting with two coats synthetic enamel paint, using bolts, nuts as necessary all as per drawings and specifications at all heights.				
6.1	In Angles, Tees, and other sections of 35x35x4mm thick.	Mt	0.08		
	<b>Rate in Words</b>				
6.2	In Plates of all thicknesses of 5mm thick	Mt	0.015		
	<b>Rate in Words</b>				
7	Providing and fixing 10mm thick multi-walled translucent polycarbonate sheet (lexan) fixed to purlin to a proper line, gradient, with aluminium beadings of 50x4mm thick to the joints with self driven screw, sealant, edge covered with 12mm thick aluminium channels etc., complete all as per specifications and as directed by E-IN-C etc., complete.	sqm	6.00		
	<b>Rate in Words</b>				
8	Providing and fixing Sliding channel with wheels set, stopper, bush etc., for Sliding door as per specification and as directed by E-in-C etc. complete.	Each	1.00		
	<b>Rate in Words</b>				
9	Providing and fixing Aluminium D-Handle for the doors as per specification and as directed by E-in-C etc. complete.	Each	2.00		
	<b>Rate in Words</b>				
10	Providing and fixing 6lever Sliding door lock with necessary cover plates as per specification and as directed by E-in-C etc. complete.	Each	1.00		
	<b>Rate in Words</b>				

SL. No.	Description	Unit	Qty	Rate (in words & figures)	Amount
11	Providing and laying Ceramic tile flooring / dadoing of approved quality, size, colour and thickness according to the dimensions of tiles and having scratch hardness and other parameter conforming to IS 15622, (Bell or Naveen or Spartek or Jhonson or Kajaria or Somany or equivalent make) laid over a bed / backing as specified below, with cement slurry at 3.30kg /sqm, close jointed and pointed with matching white cement slurry mixed with approved pigment and finishing to required level, curing etc., complete all as per specification and as directed by engineer-in-charge at all floors.				
	in flooring with approved colour floor tiles (Regular / plain or dark colour / glossy or mat series) size 300mm X 300mm as per IS 15622, over bed / backing of 20mm thick in CM 1:4.	Sqm	75.00		
	Note:- Tiles of NITCO brand of COTTO model of Terracota pattern/shade				
	<b>Rate in Words</b>				
12	Making groove and filling with approved crack filler and finishing smooth the surface, etc complete all as per specification and as directed by EIC, etc complete.	Rmt	36.00		
	<b>Rate in Words</b>				
13	Painting with one 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 existing painted surface including cleaning the surfaces, filling the crevices with approved filler, scaffolding, etc., complete all as per specifications.	Sqm	370.00		
	<b>Rate in Words</b>				
14	Providing and fixing Chamber cover to UG sump of size 1200mmX900mm of 8mm thick chequered plate with necessary frame to the cover,etc complete all as per direction of EIC,etc complete.	No	2.00		
	<b>Rate in Words</b>				
				<b>Total Rs.</b>	

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

**Total amount in Words:-**

**Signature of the contractor:-**

**Date:-**

**Address:**