

**BILL OF QUANTITY FOR THE WORK OF "RENOVATION WORK CONSISTS OF
CIVIL, PLUMBING AND FURNITURE WORKS FOR ROOM No. 90A (Dr. Ravindra
Pandey) AT 1st FLOOR OF MAIN BUILDING, IACS"**

Sl. No.	Description of Items	Unit	Quantity	Rate/Unit (Rs.)	Amount (Rs.)
1	DISMANTLING WORK				
1.1	Stripping off worn out plaster (outside and inside) and raking out joints of walls, ceiling etc. upto any height and in any floor including removing rubbish and stacking any where within the compound as directed by EIC.	Sq.M	50.00		
1.2	Dismantling all types of plain cement concrete / reinforced concrete works, stacking serviceable materials at site and removing rubbish as directed by EIC.	Cu.m	0.50		
1.3	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as per direction of EIC	Cu.m	0.50		
1.4	Dismantling the existing wooden partition with frame/existing M.S window with frame/Aluminium partition and staking all the pieces of wooden materials in proper manner and place as per direction of EIC.	Sq.M	50.00		
2	CIVIL WORK				
2.1	Brickwork with 1st class bricks in cement mortar (1:6) in any floor or height including scaffolding and staging at any height.	Cu.M	0.75		
2.2	Plaster to wall, ceiling etc. with coarse sand and cement mortar including rounding off or chamfering corners as directed and raking out joints or roughening of concrete surface including throating, nosing and drip course where necessary. Thickness of Plaster is 20mm with 1:6 ratio. The rate is inclusive required scaffolding and staging at any level.	Sq.M	50.00		

2.3	Applying two coats of Mastercrete M-81 (Acrylic Co-polymer) or equivalent acrylic latex mixed with cement in the ratio of 1:2 by means of brush two coats at an interval of 12 hrs. each, curing the the coating for three days.	Sq.M	50.00		
2.4	Ordinary Cement concrete (1:2:4) with graded stone chips (20mm nominal size) excluding shuttering and reinforcement. The rate is inclusive required scaffolding and staging at any level.	Cu.M	2.50		
2.5	Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600mmx600mmx10mm thick) in floor, skirting etc. set in 20mm sand cement mortar (1:4) and 2mm thick polymerised adhesive at the back side of tiles (6mm thick layer applied directly over finished artificial stone floor without any backing course) laid after application slurry using 1.75Kg of cement per sq.m below mortar only, joints grouted with admixture of white cement and colouring pigment to match with colour of tiles / epoxy grout materials of approved make as directed and polishing the tiles using soft and dry cloth upto mirror finish complete including the cost of materials, labour and all other incidental charges complete true to the manufacturer's specification and direction of Engineer -In-Charge.	Sq.M	52.00		
2.6	Supplying, fitting & fitting granite slabs 15mm to 18mm thick with uniform texture & without decorative veins in Skirting, top of wooden working bench making suitable arrangements to hold the granite slabs properly by 15mm thick cement mortar (1:2) / suitable adhesive on wooden surface. The joints filling with admixture of pigment matching of stone shades and edges are moulded as per direction of EIC.	Sq.M	6.00		
3	PAINTING WORKS				
3.1	Priming one coat on timber, plastered surface with synthetic oil bound primer of approved quality including smoothening surface by sand papering etc.	Sq.M	265.00		

3.2	Applying Acrylic Emulsion Paint approved make and brand on walls and ceiling including sand papering in intermediate coats including putty. Two or more coats to give an even shade.	Sq.M	265.00		
3.3	Rendering the surface of walls, ceiling, over thermal insulation board at all joints with white cement based wall putty of approved make and brand. (1.5mm thick).	Sq.M	220.00		
3.4	French polishing to wood work including removing existing polish or old paint and preparing the surfaces all complete.	Sq.M	10.00		
4	ALUMINIUM WORK				
4.1	Providing and fixing anodized Aluminium work of approved shade for window as per approved design using extruded standard sections of HINDALCO conforming to IS: 733 and IS: 1285, anodized colour of approved shade according to IS: 1868 fixed with rawl plugs and screws or with fixing clips including necessary filling up of gaps at junction, at top, bottom and sides with required neoprene felt etc.. This item will include all necessary standard accessories like P.V.C weather gasket, EPDM glazing gasket, handle, hinges and applying polysulphide sealant all round periphery of the window, along with 5mm thick tinted float glass/frosted glass approved colour all complete. The rate is inclusive taking out the existing steel window.	Sq.M	8.00		
5	THERMAL INSULATION WORK				
5.1	Supplying and installation of 50mm thick under deck insulation on plastered surface inside the wall of Room No. 90A by extruded polystyrene insulation boards having density 34 kg/cum, thermal conductivity 0.28 M/M-K, water absorption less than 0.1%, by means of adhesive and fasteners, washers etc. filling the gaps by joints reinforced tapes complete with all sorts of materials, labour, scaffolding, staging etc. at 1st floor level. as per direction of EIC.	Sq.M	55.00		
6	CARPENTRY WORKS				

6.1	Wood work for closing the existing window with frame fitted and fixed in position complete including a protective coat of primer painting.	Cu.M	0.30		
6.2	Providing fitting and fixing of Commercial 12mm thick ply as per design, blocking the windows and over the existing aluminium sheet with proper fixing arrangement.	Sq.M	60.00		
6.3	Wood work for frame structure making partition wall fitted and fixed in position complete including a protective coat of primer painting.	Cu.M	0.10		
6.4	Supplying, fitting and fixing of bubble free float glass of approved make and brand with wooden bead including polishing at the middle portion of wooden Partition.	Sq.M	6.00		
6.5	Supplying 35mm thick solid flush type doors (single leaf) of Commercial quality, the timber frame consisting of top and bottom rails and side styles of well seasoned timber 65mm wide each and the entire frame fitted with 37.5mm wide battens place both ways in order to make the door of solid core, including fixing both side 1.5mm thick lamination of approved colour and brand. The rate is inclusive all the fitting and fixture like hinges, handles, Godrej Lock, Door closer as per approved by EIC all complete.	Sq.M	3.75		
6.6	Providing and fixing of Upper Cabinet (with shutter) 400mm deep, 500mm height and 650mm length fixed by dash fasteners at wall over 2 nos. 50x50x5mm angles. The total construction made of 19 mm thick water proof block board with openable shutters and one and adjustable shelves. All visible outside surfaces to be finished with 1mm thick matt finished laminate of approved colour and make. The inside surface to be finished with french polish. All the free edges of the block board covered with 5mm thick wood beading including melamine finish. All fitting and fixture like S.S hinges, tower bolts, locks, handles etc are fixed as per approved of EIC.	Each	6.00		

6.7	Providing and fixing of Running table with side drawers (2 nos.) and shelf with shutter 600mm deep, 750mm height and 1550mm length fixed over floor and wall. The total construction of structure made of 19 mm thick water proof block board and drawers & openable shutters and one and adjustable shelves made from 12mm thick ply. All visible outside surfaces to be finished with 1mm thick matt finished laminate of approved colour and make. The inside surface to be finished with french polish. All the free edges of the block board covered with 5mm thick wood beading including melamine finish. All fitting and fixture like S.S hinges, tower bolts, locks, handles, drawers chhanel etc are fixed as per approved of EIC.	Each	5.00		
7	FALSE CEILING				
7.1	Providing and fixing at all height False Ceiling of 12.5 mm thick Gypsum Board of Casoprano, Sundance vairyety (semi-perforated) of India Gypsum or equivalent conforming to IS: 2095 including the frame work by 15mm narrow flashed stiched suspension grid system using 32mm x 15mm Tee section and grid of 600mm x 600mm. Main runner to be fixed by 2mm thick pre-stretched GI wire with soffit cleat and GI rawl plug inserted on the main roof to be fixed @ 1220 c/c. All base frame material clip should be of cold rolled steel components and coated with hot dip galvanized steel. It should have a capping of material coated with backed polyester paint. The item includes cost of two coats of primer suitable for Gypsum board and also including the cost of making opening for light fittings, grills, diffusers, cut outs made with perimeter channels suitably fixed all complete excluding the cost of the painting.	Sq.M	15.00		
8	SANITARY & PLUMBING WORKS				

8.1	Supplying, fitting and fixing G.I pipes of TATA make with all necessary accessories, special viz. socket, bend, tee, union, elbow, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position.				
a).	15mm dia. Medium quality	Metre	3.00		
b).	20mm dia. Medium quality	Metre	3.00		
c).	25mm dia. Medium quality	Metre	2.00		
8.2	Supplying, fitting and fixing Peet's Valve fullway gunmetal standard pattern best quality of approved brand bearing ISI marking with fitting.(tested to 21kg/sq.cm)				
a).	20mm dia.	Each	2.00		
a).	15mm dia.	Each	2.00		
8.3	Supplying, fitting and fixing White Vitreous Laboratory Sink (Size 500mm x 300mm x 150mm) in position on C.I brackets including two coats of painting of brackets.	Each	1.00		
8.4	Supplying, fitting and fixing approved P.V.C Connector white flexible, with both ends coupling with heavy brass C.P nut 15mm dia. (900mm long)	Each	1.00		
8.5	Supplying, fitting and fixing approved brand 32mm dia. P.V.C waste pipe, with P.V.C coupling at one end fitted with necessary clamps.	Each	1.00		
8.6	Supplying, fitting and fixing approved brand Chromium plated stop Cock of ESSCO or similar brand)	Each	1.00		
8.7	Supplying, fitting and fixing 15mm Swan neck tap with left & right hand operating nob with aerator of ESSCO or equivalent approved make	Each	1.00		
9	MISCELLANEOUS WORKS				

9.1	Supplying Hydraulic door closer (Medium, size 2) of approved quality as per I.S. standard fitted and fixed in position.	Each	1.00		
9.2	Supplying Brass floor door stopper of approved quality as per I.S. standard fitted and fixed in position.	Each	2.00		
9.3	Providing & fixing, polyester film (frosted range) of approved make & brand on the glass surface as per design and direction of EIC.	Sq.M	10.00		
9.4	Supplying, fitting and fixing of White Board (size 6'x4') including allround aluminium frame with duster.	Each	1.00		
				TOTAL	