

Schedule of quantity

N/W Renovation of fluoride room (Room no.212) at ICMR-NIRTH, Jabalpur (MP)

SLNo	Description	Qty	Unit	Rate	Amount	DSR No.
1	CLADDING WORK					8
1.1	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels.					8.2
1.1.1	Granite stone slab of colour black, Cherry/Ruby red					8.2.2
1.1.1.1	Area of slab over 0.50 sqm	9	sqm	5136.30	46227.00	8.2.2.2
2	WOOD AND P. V. C. WORK					9
2.1	Providing and fixing factory made uPVC glazed/wire mesh windows/ doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality,					9.147
	all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Wire mesh / Glazing of plain/ toughened/ laminated/ double glass unit with / without high performance coatings as per design requirements and conforming to IS: 3548 & IS: 16231 shall be paid separately. Note:- Structural design proof checked from a Government Engineering Institute, to be provided by the manufacturer for (i) Sites with basic wind speed > 45 m/sec as per IS 875 — Part 3 (ii) Sites with structure height more than 20m for all wind speeds					
2.1.1	Three track three panels sliding window with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.					9.147.A4
2.1.1.1	Using R2 series with frame (70 mm & above) x (40 mm & above) & both glazed and fly screen sash (25 mm & above) x (50 mm & above) with zinc alloy (zamak) powder coated touch locks with hook. (Height upto 1.2 metre).	7	sqm	10993.55	76955.00	9.147.A4.1
2.1.2	Ventilator Casement window single panel with or without fixed panel with S.S. 304 friction hinges as per size and weight of sash, single point locking zinc alloy (zannak) powder coated handles.					9.147.D1
2.1.2.1	Using R1 series with frame (33 mm & above) x (35 mm & above) & sash /mullion (33 mm & above) x (50 mm & above). (Height upto 0.90 metre).	5	sqm	13201.20	66006.00	9.147.D1.1
3	FLOORING					11
3.1	Providing and laying Vitrified tiles in floor in diferent sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid on 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand) jointing with grey cement slurry @3.3 kg/sqm including grouting the joints with white cement and matching pigments etc. The tiles must be cut with the zero chipping diamond cutter only . Laying of tiles will be done with the notch trowel, plier, wedge, clips of required thickness, leveling system and rubber mallet for placing					11.41A
3.1.1	Double charge vitrified tile polished finish of size					11.41A.1
3.1.1.1	Size of Tile 600 x 600 mm	35	sqm	1453.65	50878.00	11.41A.1.1
4	FINISHING					13
4.1	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	85	sqm	156.05	13264.00	13.80
4.2	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.					13.83
4.2.1	Two coats	85	sqm	142.80	12138.00	13.83.2

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4.3	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	85	sqm	25.15	2138.00	13.91	SR
5	Dismantling and Demolishing					15	
5.1	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer- in-charge.	31	sqm	56.35	1747.00	15.57	SR
6	SANITARY INSTALLATIONS					17	
6.1	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:					17.7	
6.1.1	White Vitreous China Surgeon type wash basin of size 660x460 mm with a pair of 15 mm C.P. brass pillar taps with elbow including operated levers	2	each	3600.60	7201.00	17.7.8	SR
7	WATER SUPPLY					18	
7.1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall					18.7	
7.1.1	20 mm nominal dia Pipes	20	metre	335.00	6700.00	18.7.2	SR
8	NEW TECHNOLOGIES AND MATERIALS					26	
8.1	Providing and fixing mineral fibre false ceiling tiles at all heights of size 595X595 mm of approved texture, design and pattern. The tiles should have Humidity Resistance (RH) of 99%, Light Reflectance $\geq 85\%$, Thermal Conductivity $k = 0.052 - 0.057$ w/m K, Fire Performance as per (BS 476 pt - 6 & 7) in true horizontal level suspended on interlocking T-Grid of hot dipped all round galvanized iron section of 0.33 mm thick (galvanized @120 gsm) comprising of main T runners of 15x32 mm of length 3000 mm, cross T of size 15x32 mm of length 1200 mm and secondary intermediate cross T of size 15x32 mm of length 600 mm to form grid module of size 600x600 mm suspended from ceiling using galvanized mild steel item (galvanised@80gsm) 50 mm long 8 mm outer diameter M-6 dash fasteners, 6 mm diameter fully threaded hanger rod up to 1000 mm length and L-shape level adjuster of size 85x25x2 mm, spaced at 1200 mm centre to centre along main 'T'. The system should rest on periphery walls /partitions with the help of GI perimeter wall angle of size 24x24X3000 mm made of 0.40 mm thick sheet, to be fixed to the wall with help of plastic rawl plug at 450 mm centre to centre & 40 mm long dry wall S.S. screws. The exposed bottom portion of all T-sections used in false ceiling support system shall be pre-painted with polyester baked paint, for all heights. The work shall be carried out as per specifications, drawings and as per directions of the engineer-in-charge.					26.27	
8.1.1	With 16 mm thick beveled tegular mineral fibre false ceiling tile (NRC 0.55 to 0.60)	43	sqm	2333.60	100345.00	26.27.1	SR
9	Non schedule items						
9.1	Providing and fixing lab stools Specification- Lab stools with mechanical height adjustable and with back support of approved brand as approved by Engineer-in-charge including testing and handing over the same to client department having specification as per requirement for the Lab, Min Height 500mm, Top Dimension 300 mm x 300 mm or more, Constructed Material Mild Steel and Top Soft Cushioning On Fixed Chrome Plated Base as per comfort sitting Facility with Mild Steel Support Approved make- Godrej, Featherlite, Steelcase, Durian, Methodex (Similar model of approved make should have specification not less than above)	8	each	12163.65	97309.00	NS-1	MR
9.2	Providing and fixing at site following Laboratory furniture of accessories of approved brand as approved by Engineer-in-charge						

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9.2.1	Providing and fixing of Wall Side Lab Table of Overall Size 5792 W x 750D x 850H . 3 Box Of Storage (1 Drawer + 2 Shutter) Specification - Wall Side Lab Table with 3 Box Of Storage (1 Drawer + 2 Shutter)) 0.8mm MS Sheet Storage Size 600W x 570D x 713H . Using 100mm PVC Leg Supported .All Joints Will Be Filled With Silicon Sealent . Lab Table Made Of 0.8mm Thick CRCA Prime Quality MS Sheet With Approved Powder Coated Shade . All cabinets Bodies Shall Be Of Over Closing Design Components Parts Cut & Shaped Entirely On CNC Fabricating Machines With Contruccion . Metal Storage Bodies Shall be Neatly Jointed Together With Accurately Matching Sides Avoiding Any Gaps . Shutter Made Of 0.8mm Thick Powder Coated Ms Sheet Providing With Handles . Drawer Move On Sliding Teleslescopic Channel . All Metallic Panels Screw With Nut Bolt & Riviting . All Metal Pieces Shall Be Welded Properly Strongly and conformity with regulations . CO2 Welding Shall Be Used . All Metal Shall Be Coated After Being Treated With At Least Three Stages And Cleaned From Oil,Grease, Dust And Other Dirt Using Special Thermal Control Coating For Metal Furniture To Form a Layer Of Base Coating Of (iron phosphating) (0.4 – 0.8) gm/m ² . Automatic Spray Coating Shall Be Applied To Be Followed By a Drying Process In a Thermal Furnace With Suitable Temperature And Time For The Process . Thickness Of Coating (40 – 50) Micron. The product should bear IGBC Green Pro and Green Co. certificate for product category. SEFA Membership Certificate & SEFA TEST Reports And should be BIFMA member having AIOTA (All India Occupational Therapists Association) for FURNITURE range for ergonomic design. as approved by Engineer In Charge. Approved make- Godrej, Featherlite, Steelcase, Durian, Methodex (Similar model of approved make should have specification not less than above)	1	each	456358.30	456358.00	NS-2	MR
9.2.2	Providing and fixing of Wall Side Lab Table of Overall Size 5400 W x 750D x 850H . 3 Box Of Storage (1 Drawer + 2 Shutter) Specification- Wall Side Lab Table with 3 Box Of Storage (1 Drawer + 2 Shutter) 0.8mm MS Sheet Storage Size 600W x 570D x 713H . Using 100mm PVC Leg Supported .All Joints Will Be Filled With Silicon Sealent . Lab Table Made Of 0.8mm Thick CRCA Prime Quality MS Sheet With Approved Powder Coated Shade . All cabinets Bodies Shall Be Of Over Closing Design Components Parts Cut & Shaped Entirely On CNC Fabricating Machines With Contruccion . Metal Storage Bodies Shall be Neatly Jointed Together With Accurately Matching Sides Avoiding Any Gaps . Shutter Made Of 0.8mm Thick Powder Coated Ms Sheet Providing With Handles . Drawer Move On Sliding Teleslescopic Channel . All Metallic Panels Screw With Nut Bolt & Riviting . All Metal Pieces Shall Be Welded Properly Strongly and conformity with regulations . CO2 Welding Shall Be Used . All Metal Shall Be Coated After Being Treated With At Least Three Stages And Cleaned From Oil,Grease, Dust And Other Dirt Using Special Thermal Control Coating For Metal Furniture To Form a Layer Of Base Coating Of (iron phosphating) (0.4 – 0.8) gm/m ² . Automatic Spray Coating Shall Be Applied To Be Followed By a Drying Process In a Thermal Furnace With Suitable Temperature And Time For The Process . Thickness Of Coating (40 – 50) Micron. The product should bear IGBC Green Pro and Green Co. certificate for product category. SEFA Membership Certificate & SEFA TEST Reports And should be BIFMA member having AIOTA (All India Occupational Therapists Association) for FURNITURE range for ergonomic design. as approved by Engineer In Charge. Approved make- Godrej, Featherlite, Steelcase, Durian, Methodex (Similar model of approved make should have specification not less than above)	1	each	443563.45	443563.00	NS-3	MR
9.2.3	Providing and fixing of Wall Side Lab Table of Overall Size 5400 W x 750D x 850H . 3 Box Of Storage (1 Drawer + 2 Shutter) Specification- Providing and fixing of Wall Side Lab Table with 3 Box Of Storage (1 Drawer + 2 Shutter) 0.8mm MS Sheet Storage Size 600W x 570D x 713H . Using 100mm PVC Leg Supported .All Joints Will Be Filled With Silicon Sealent . Lab Table Made Of 0.8mm Thick CRCA Prime Quality MS Sheet With Approved Powder Coated Shade . All cabinets Bodies Shall Be Of Over Closing Design Components Parts Cut & Shaped Entirely On CNC Fabricating Machines With Contruccion . Metal Storage Bodies Shall be Neatly Jointed Together With Accurately Matching Sides Avoiding Any Gaps . Shutter Made Of 0.8mm Thick Powder Coated Ms Sheet Providing With Handles . Drawer Move On Sliding Teleslescopic Channel . All Metallic Panels Screw With Nut Bolt & Riviting . All Metal Pieces Shall Be Welded Properly Strongly and conformity with regulations . CO2 Welding Shall Be Used . All Metal Shall Be Coated After Being Treated With At Least Three Stages And Cleaned From Oil,Grease, Dust And Other Dirt Using Special Thermal Control Coating For Metal Furniture To Form a Layer Of Base Coating Of (iron phosphating) (0.4 – 0.8) gm/m ² . Automatic Spray Coating Shall Be Applied To Be Followed By a Drying Process In a Thermal Furnace With Suitable Temperature And Time For The Process . Thickness Of Coating (40 – 50) Micron. The product should bear IGBC Green Pro and Green Co. certificate for product category. SEFA Membership Certificate & SEFA TEST Reports And should be BIFMA member having AIOTA (All India Occupational Therapists Association) for FURNITURE range for ergonomic design. as approved by Engineer In Charge. Approved make- Godrej, Featherlite, Steelcase, Durian, Methodex (Similar model of approved make should have specification not less than above)	1	each	505260.65	505261.00	NS-4	MR

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9.2.4	Providing and fixing Regent Rack of 900mm 300mm 700mm Complete metal structure Specification- Regent Rack with complete metal structure 0.8mm CRCA Sheet with powder coated. All Metal Shall Be Coated After Being Treated With At Least Three Stages And Cleaned From Oil,Grease, Dust And Other Dirt Using Special Thermal Control Coating For Metal Furniture To Form a Layer Of Base Coating Of (iron phosphating) (0.4 – 0.8) gm/m ² . Automatic Spray Coating Shall Be Applied To Be Followed By a Drying Process In a Thermal Furnace With Suitable Temperature And Time For The Process . Thickness Of Coating (40 – 50) Micron. Approved make- Godrej, Featherlite, Steelcase, Durian, Methodex (Similar model of approved make should have specification not less than above)	4	each	20283.80	81135.00	NS-5	MR
9.2.5	Providing and fixing Polypropylene Rectangle Sink with Sink Outlet Nipple Specification- Polypropylene Rectangle Sink with Sink Outlet Nipple having size 560mm x 355mm x 245mm Polypropylene Bottle Trap Polypropylene Hose Pipe (Drain Pipe) 1 MTR long with Coupler 3-Way Tap. Reducing cupler in Polypropylene 51x31mm +Polypropylene pipe lengths of 0.3 metre of minimum dia 38mm. Approved make- Godrej, Featherlite, Steelcase, Durian, Methodex (Similar model of approved make should have specification not less than above)	2	each	23352.75	46706.00	NS-6	MR
9.2.6	Providing and fixing Sink Support Box Specification- Sink Support Box having storage Box size 600Lx450Dx315Hmm and bowl . 01 Box Of Storage (2 Shutter) with size 550Lx400Dx315Hmm 0.8mm MS Sheet Storage Size 600W x 570D x 713H . Using 100mm PVC Leg Supported . Approved make- Godrej, Featherlite, Steelcase, Durian, Methodex (Similar model of approved make should have specification not less than above)	2	each	31077.00	62154.00	NS-7	MR
	Total				2076085.00		
	Modified Estimated cost after using correction factor on DSR 2023 on account of GST @ 0.973				373242.00		
	Modified estimate cost including NS items 9.1 to 9.2.6				2065728.00		
	Add Cost index of Jabalpur @ 9.18% over DSR 2023, equivalent PAR 2025 & cost index of Jabalpur [(1.07x1.03x1.06=1.1682*100=116.82)(116.82-107/107=9.18) except NS items no. 9.1 to 9.2.6 on Rs.373242/-				34264.00		
	Total				2099992.00		

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