

Annexure - 'A'**SCHEDULE OF QUANTITY (Civil Portion)**

Name of Work:- Repairing and Renovation of duty officer room at Regional Meteorological Centre Kolkata during 2026-27. SH: - Providing and fixing False Ceiling, Wall Paneling, Painting work and furniture work in duty officer room.

Sl. No	Description	Quantity	Unit	Rate	Amount	DSR-23
1	ROOFING					12
1.1	Providing and fixing false ceiling at all heights 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 50 mm long with 6 mm 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 25 mm 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, grills, difusers, 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
1.1.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	25.00	sqm	1355.80	₹ 33,895.00	12.45.1
	Sub-Total				₹ 33,895.00	
2	FINISHING					13
2.1	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.	50.00	sqm	156.05	₹ 7,803.00	13.80
2.2	Wall painting with acrylic emulsion paint, 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.					13.82
2.2.1	Two coats	100.00	sqm	137.45	₹ 13,745.00	13.82.2
2.3	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.					13.85
2.3.1	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	50.00	sqm	73.95	₹ 3,698.00	13.85.3
2.4	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.	50.00	sqm	25.15	₹ 1,258.00	13.91
2.5	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:					13.99
2.5.1	One or more coats on old work	100.00	sqm	102.80	₹ 10,280.00	13.99.1
	Sub-Total				₹ 36,784.00	
3	Dismantling and Demolishing					15

Sl. No	Description	Quantity	Unit	Rate	Amount	DSR-23
3.1	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.	20.00	sqm	56.35	₹ 1,127.00	15.57
	Sub-Total				₹ 1,127.00	
4	ALUMINIUM WORK					21
4.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :					21.1
4.1.1	For fixed portion					21.1.1
4.1.1.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	210.00	kg	530.90	₹ 1,11,489.00	21.1.1.2
4.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)					21.1.2
4.1.2.1	Powder coated aluminium (minimum thickness of powder coating 50 micron)	73.00	kg	634.45	₹ 46,315.00	21.1.2.2
4.2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.					21.2
4.2.1	Pre-laminated particle board with decorative lamination on both sides	70.00	sqm	1115.40	₹ 78,078.00	21.2.2
4.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):					21.3
4.3.1	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	44.00	sqm	1505.25	₹ 66,231.00	21.3.2
	Sub-Total				₹ 3,02,113.00	
5	NEW TECHNOLOGIES AND MATERIALS					26
5.1	Providing & fixing in position Phenol bonded Bamboo wood wall cladding at all height with planks of sizes 10 mm thick, minimum 1800 mm length and minimum 100 mm wide, in approved colour, texture and finish, having Performance Appraisal Certificate (PAC) issued by Building Materials & Technology Promotion Council (BMTPC), with necesasary profiled edges fixed with 40 mm SS screws 5 nos in each tile to frame work made of second class teak wood of size 20x15 mm in centre of each tile and bottom and top of work height, 40x15 mm placed at ends of each tile. The cladding shall be laid over backlayment of 1.00 mm thick expanded polyethylene foam of density 40 kg/cum in two layers, first layer on wall surface before fixing wooden frame and second layer on frame under cladding. The bamboo wood planks shall have minimum density of 1000 Kg/cum & minimum Hardness 1000 Kgf. with Eco friendly UV coating, all complete as per direction of the Engineer in-charge.	70.00	sqm	6283.85	₹ 4,39,870.00	26.3

Sl. No	Description	Quantity	Unit	Rate	Amount	DSR-23
5.2	Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns as per CPWD Specification 2019, to be laid in true horizontal level suspended on inter- locking metal T-Grid of hot dipped galvanised iron section of 0.33 mm thick (galvanized @ 120 grams per sqm including both sides)comprising of main-T runners of size 24x38 mm of length 3000 mm,cross - T of size 24x32 mm of length 1200 mm and secondaryintermediate cross-T of size 24x32 mm of length 600 mm to formgrid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e. 12x50 mm long dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 76x25x25x1.6 mm fixed with grid and Z cleat of size 25x37x25x1.6 mm thick with precut hole on both 25 mm flange to pierce into 12x50 mm or even bigger size dash fastener if require, fixed with Glavanised iron perimeter wall angle or size 24x24x0.40 mm of length 3000 mm to be fixed on periphey wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directionsof the Engineer-in-Charge.					26.22
5.2.1	With 15 mm thick Tegular edged light weight calcium sliciate false ceiling tiles	40.00	sqm	2207.00	₹ 88,280.00	26.22.1
	Sub-Total				₹ 5,28,150.00	
	Total				₹ 9,02,069.00	
	Modified Estimated Cost after using correction factor on DSR 2023 on account of GST @ 0.973 on			₹ 9,02,069.00	₹ 8,77,713.00	
	Add Cost Index @22% on			₹ 8,77,713.00	₹ 1,93,097.00	
	Total				₹ 10,70,810.00	

Sl. No	Description	Quantity	Unit	Rate	Amount	DSR-23
6	NON-SCHEDULE ITEMS					
6.1	Supply & Installation Frame Work, Partition and Cable management : Frame work should be consist of main spine and return spine of aluminium extruded section of minimum thickness of 1.2 mm. The overall thickness of Panel base System should be minimum 60-70 mm. The thickness of main spine partition panel should be minimum 60-70 mm & minimum 25-28mmmm thick for return spine. The panel will hollow inside (40mm) to accommodate wiring for electrical/data and outer frame of panel should be made of extruded aluminium. The panel should be made up of 3 mm thick MDF both sides of the wooden frame to create the hollow for the wire management. The panel outer aluminium frame should be designed in such a way that it can easily slide in to the columns/ Connectors by means of stacking one over the other. Horizontal race way should be 150-170 mm height aluminium profile. There should be complete cable management arrangement with openable raceway above/ below worktop with provision for fitting electrical/data switches and holes for passing cable. Panel Finishes in Main Spine : Finishes of panel above the worktop can fabric will be fabric pin up + writable marker board on main spine. Finishes of main spine panel low the worktop the hollow panel should be made of MDF tile and 0.5mm thick steel sheet pasted on MDF which should be powder coated with EPC finish 80-90 microns for durability on the inside as well on the outside. Raceway can provided above/low the worktop. Panel Finishes in Return Spine : Finishes of panel above the worktop will be fabric pin up tile and low the top should be Epoxy powder coated metal tile which should be powder coated 80-90 microns for durability on the inside as well on the outside. Connectors/ Brackets: End Post: Aluminium 60-70 mm width – 1330-1370 mm height. Two way post: Aluminium 30-70 mm width – 1180-1350 mm height. Three way post: Aluminium 30-70 mm width – 1330-1370 mm height. Four way post: Aluminium 30-70 mm width – 1330-1370 mm height. Brackets: Table top supported with 50-60mm width steel bracket. Table top to table top connector: 150-170 mm Width x 120-140 mm Depth width connector.	1.00	each	108759.15	₹ 1,08,759.00	MR
	Worktop : Worktop Made of 25 mm thick E-1 grade particle board finish should be with 2mm ABS edge banding with Reverse Chamfer edge banding on one side of workstation, E1 grade laminate with zero urea formaldehyde emissions (<or= 8mg/100 g oven dry board-perforated method) for better in-house air quality. This should be comply with (EN 120-1992). The exposed edge of worktop should be secured with 2mm thick PVC edge banding tape of approved colour. The height of Worktop should be 740-760 mm from ground level. The particle board should be E-1 Grade with pvc edge banding. Product should have SCS Global Indoor Advantage Gold certified. Manufacturer should be the Member of BIFMA, and have ISO 9001, should be ISO 14001, should be ISO 45001, should be ISO 50001 (NABCB/IAF accredited), AIOTA and IGBC Gold certificates from CII. Product should have 5 years warranty. all complete as per direction of Engineer-in-Charge.					

Sl. No	Description	Quantity	Unit	Rate	Amount	DSR-23
6.2	Supply & Installation of Vistor chair, Backrest: The outer frame of the backrest should be made of injection moulded in black, 20% Glass Filled Nylon and inner frame should be made up of injection moulded in black polypropylene. Inner frame should be upholstered with mesh fabric then assembled with outer frame. The back has adjustable contoured lumbar support for achieving comfortable seating posture. Lumbar support should be made up of injection moulded in black P.P and upholstered with PU foam. The Lumbar support size should be 160 mm (W) x 90 mm (H) at fixed position. Backrest size 560 mm (H) x 500mm (W). Seat: The seat should be made up of 12 mm thick (7 layers) hot pressed plywood and moulded seat foam upholstered with fabric. The bottom cover made up of injection moulded in black PP to cover the plywood. Seat size: 490 mm(W) x 460 mm (D). Minimum and Maximum seating height should be 450 mm and 550 mm respectively. Seat Foam : Foam made out of moulded polyurethane foam with the following properties. Average thickness of 65 mm (Width- 485mm, Depth- 555mm) and with the following properties: Density: 52-55 Kg/M ³ , Hardness: 25 /3 Kgf, Compression Set: 10% Max, Tensile Strength: 0.90 to 1.2Kg/Cm ² , Tear strength (Min): 2.0 N/cm, Resilience: 40%-60% Comfort / Indentation Hardness: 15.4, Weight: 650 gms, Armrest : Fix Tonic Arm with PP pad, Product should have SCS Global Indoor Advantage Gold certified. Manufacturer should be the Member of BIFMA, and have should be ISO 9001, should be ISO 14001, should be ISO 45001, should be ISO 50001 (NABCB/IAF accredited), AIOTA and IGBC Gold certificates from CII. Product should have 5 years warranty. all complete as per direction of Engineer-in-Charge.	3.00	each	11979.10	₹ 35,937.00	MR
6.3	Supply & Installation Frame Work, Partition and Cable management : Frame work should be consist of main spine and return spine of aluminium extruded section of minimum thickness of 1.2 mm. The overall thickness of Panel base System should be minimum 60-70 mm. The thickness of main spine partition panel should be minimum 60-70 mm & minimum 25-28mm thick for return spine. The panel will hollow inside (40mm) to accommodate wiring for electrical/data and outer frame of panel should be made of extruded aluminium. The panel should be made up of 3 mm thick MDF both sides of the wooden frame to create the hollow for the wire management. The panel outer aluminium frame should be designed in such a way that it can easily slide in to the columns/ Connectors by means of stacking one over the other. Horizontal race way should be 150-170 mm height aluminium profile. There should be complete cable management arrangement with openable raceway above/ below worktop with provision for fitting electrical/data switches and holes for passing cable. Panel Finishes in Main Spine : Finishes of panel above the worktop can fabric will be fabric pin up + writable marker board on main spine. Finishes of main spine panel low the worktop the hollow panel should be made of MDF tile and 0.5mm thick steel sheet pasted on MDF which should be powder coated with EPC finish 80-90 microns for durability on the inside as well on the outside. Raceway can provided above/low the worktop. Panel Finishes in Return Spine : Finishes of panel above the worktop will be fabric pin up tile and low the top should be Epoxy powder coated metal tile which should be powder coated 80-90 microns for durability on the inside as well on the outside. Connectors/ Brackets: End Post: Aluminium 60-70 mm width – 1330-1370 mm height. Two way post: Aluminium 30-70 mm width – 1180-1350 mm height. Three way post: Aluminium 30-70 mm width – 1330-1370 mm height. Four way post: Aluminium 30-70 mm width – 1330-1370 mm height. Brackets: Table top supported with 50-60mm width steel bracket. Table top to table top connector: 150-170 mm Width x 120-140 mm Depth width connector. Worktop : Worktop Made of 25 mm thick E-1 grade particle board finish should be with 2mm ABS edge banding with Reverse Chamfer edge banding on one side of workstation, E1 grade laminate with zero urea formaldehyde should be (≤ 8mg/100 g oven dry board-perforated method) for better in-house air quality. This should be comply with (EN 120-1992). The exposed edge of worktop should be secured with 2mm thick PVC edge banding tape of approved colour.	1.00	each	172480.80	₹ 1,72,481.00	MR

Sl. No	Description	Quantity	Unit	Rate	Amount	DSR-23
	The height of Worktop should be 740-760 mm from ground level. The particle board should be E-1 Grade with pvc edge banding. Product should have SCS Global Indoor Advantage Gold certified. Manufacturer should be the Member of BIFMA, and have should be O 9001, should be O 14001, should be O 45001, should be O 50001 (NABCB/IAF accredited), AIOTA and IGBC Gold certificates from CII. Product should have 5 years warranty all complete as per direction of Engineer-in-Charge.					
6.4	Supply & Installation Frame Work, Partition and Cable management : Frame work should be consist of main spine and return spine of aluminium extruded section of minimum thickness of 1.2 mm. The overall thickness of Panel base System should be minimum 60-70 mm. The thickness of main spine partition panel should be minimum 60-70 mm & minimum 25-28mm thick for return spine. The panel will hollow inside (40mm) to accommodate wiring for electrical/data and outer frame of panel should be made of extruded aluminium. The panel should be made up of 3 mm thick MDF both sides of the wooden frame to create the hollow for the wire management. The panel outer aluminium frame should be designed in such a way that it can easily slide in to the columns/ Connectors by means of stacking one over the other. Horizontal race way should be 150-170 mm height aluminium profile. There should be complete cable management arrangement with openable raceway above/ below worktop with provision for fitting electrical/data switches and holes for passing cable. Panel Finishes in Main Spine : Finishes of panel above the worktop can fabric will be fabric pin up + writable marker board on main spine. Finishes of main spine panel low the worktop the hollow panel should be made of MDF tile and 0.5mm thick steel sheet pasted on MDF which should be powder coated with EPC finish 80-90 microns for durability on the inside as well on the outside. Raceway can provided above/low the worktop. Panel Finishes in Return Spine : Finishes of panel above the worktop will be fabric pin up tile and low the top should be Epoxy powder coated metal tile which should be powder coated 80-90 microns for durability on the inside as well on the outside. Connectors/ Brackets: End Post: Aluminium 60-70 mm width – 1330-1370 mm height. Two way post: Aluminium 30-70 mm width – 1180-1350 mm height. Three way post: Aluminium 30-70 mm width – 1330-1370 mm height. Four way post: Aluminium 30-70 mm width – 1330-1370 mm height. Brackets: Table top supported with 50-60mm width steel bracket. Table top to table top connector: 150-170 mm Width x 120-140 mm Depth width connector.	1.00	each	118389.20	₹ 1,18,389.00	MR
	Worktop : Worktop Made of 25 mm thick E-1 grade particle board finish should be covered with 2mm ABS edge banding with Reverse Chamfer edge banding on one side of workstation, E1 grade laminate with zero urea formaldehyde emissions (<or= 8mg/100 g oven dry board-perforated method) for better in-house air quality. This should be comply with (EN 120-1992). The exposed edge of worktop should be secured with 2mm thick PVC edge banding tape of approved colour. The height of Worktop should be 740-760 mm from ground level. The particle board should be E-1 Grade with pvc edge banding. Product should have SCS Global Indoor Advantage Gold certified. Manufacturer should be the Member of BIFMA, and have should be O 9001, should be O 14001, should be O 45001, should be O 50001 (NABCB/IAF accredited), AIOTA and IGBC Gold certificates from CII. Product should have 5 years warranty. all complete as per direction of Engineer-in-Charge.					

Sl. No	Description	Quantity	Unit	Rate	Amount	DSR-23
6.5	Supply & Installation Mid Back chairs with overall height 950-1060mm x overall width 710mm, featuring ergonomically comfortable chair. The back rest 650mm H x 460mm W, nylon frame upholstered with fabric mesh. It shall have flexible skeletal lumber support made of nylon. Seat size 520mm W x 500mm D and seating height 450-560mm, made of medium density foam, moulded plywood 12±1mm thick and upholstered with fabric.(optional: seat sliding mechanism with charges). Provided with height adjustable armrest with PU pad with total height of 280-350mm. Auto weight sensing mechanism that can detect changes in weight distribution and adjust accordingly to optimize performance. Class IV Samhongs gas lift with height adjustment of 110±2mm. The seat shall be made up of 12±1mm thick hot pressed moulded reconstituted plywood & upholstered with fabric and moulded medium density foam. The mechanism of chair shall have following features: 360° revolving type, Back tilt with 2 position locking with anti-shock feature should be operated while taking back support for better adjustment for comfort, with tension adjustment knob. Base is made up of nylon (optional: chrome/high pressure die casted in polished aluminium with charges) of 680mm dia and provided with 5 number heavy-duty twin-wheel nylon castors of 60mm dia each.Complete as directed by the Engineer in charge. Product should be AIOTA and IAQ Gold certified for inhouse air quality. The manufacturer should have ISO9001, ISO14001, ISO45001, ISO50001 from NABCB accredited agency and a member of BIFMA.. all complete as per direction of Engineer-in-Charge.	5.00	each	10781.15	₹ 53,906.00	MR
6.6	Supply & Installation reading Table with following details and specifications : Top is made of 25mm thick E-1 grade prelaminated particle board finished with 2mm thick PVC lipping. Grains of the table top to be unidirectional. The height of Worktop shall be 740-760 mm from ground level. Understructure: MS legs Loop Leg of section 50 x 25mm/MS Oval shape Cone Leg, Metal SQ leg / Metal SQ Tapered Leg, where Structure made from cold rolled steel,thickness 1.2 mm. Epoxy powder coated spray paint, baked at temperature 200 C° coated of 80-90 micron thickness. Powder coating is be scratch resistance (cross hatch test 6x6 grid method), well supported with beams under table top.Product should be AIOTA and IAQ Gold certified for inhouse air quality. The manufacturer should have ISO9001, ISO14001, ISO45001, ISO50001 from NABCB accredited agency and a member of BIFMA.Product should have 5 years warranty, all complete as per direction of Engineer-in-Charge.	1.00	each	30288.50	₹ 30,289.00	MR
6.7	Supply & Installation Conference/ Meeting Table with following details and specifications : Worktop made out of 25mm thick E-1 grade particle board finished with 2mm PVC edge banding. E1 grade laminate with zero urea formaldehyde emissions (<or= 8mg/100 g oven dry board-perforated method) for better in-house air quality. This is comply with (EN 120-1992). The exposed edge of worktop shall be secured with 2mm thick PVC edge banding.With reverse chamfer Edge banding of two sides of Meeting Table. Understructure: Metal SQ leg / Metal SQ Tapered Leg (50x 50mm) , where Structure made from cold rolled steel,thickness 1.2 mm. Epoxy powder coated spray paint, baked at temperature 200 C° coated of 80-90 micron thickness. Powder coating is scratch resistance (cross hatch test 6x6 grid method). well supported with beams under table top. Completely conseled MS wiremanagement and trays epoxy powder 80-90 microns coated spray color, baked at temperature 200c.Wire management: Completely conseled wiremanagement with Aluminium anodized flipper with soft closure. wiring tray & beams Made from MS sheet 2 mm., flange structure epoxy powder 80-90 microns coated spray color, baked at temperature 200c with vertical wire uptake from floor via metal power pole/ Shapred Electical Tower leg having removable cover one side and wire seperator for data and wire seperation, segregates to hozizontal cable tray below flipper.Product should have SCS Global Indoor Advantage Gold certified.Manufacturer should be the Member of BIFMA, and have should beO 9001, should beO 14001,should beO 45001,should beO 50001 (NABCB/IAF accredited), AIOTA and IGBC Gold certificates from CII.Product should have 5 years warranty. all complete as per direction of Engineer-in-Charge.	1.00	each	40306.10	₹ 40,306.00	MR

Sl. No	Description	Quantity	Unit	Rate	Amount	DSR-23
6.8	Supply & Installation of Mid Back chairs with overall height 1010-1120mm x overall width 640mm, featuring ergonomically comfortable chair. The back rest 730mm H x 490mm W, frame made up of industrial-grade polypropylene glass-filled material upholstered with Korean mesh. Seat size 525mm W x 505mm D and seating height 410-520mm, made of medium density foam, moulded and fixed with PP shell and upholstered with fabric. Seat sliding mechanism should be provided with 3D adjustable armrest with PU pad with total height of 290-360mm. Auto weight sensing mechanism should be provided that can detect changes in weight distribution and adjust accordingly to optimize performance. Class IV Samhonsa gas lift with height adjustment of 110±2mm. The back should be designed with contoured padded adjustable lumbar support for extra comfort. The mechanism of chair have following features: 360° revolving type, Back tilt with 4 position locking with anti-shock feature should be operated while taking back support for better adjustment for comfort, with tension adjustment knob. Base should be made up of high pressure die casted in polished aluminium (optional: premium chrome/nylon) of 680mm dia and provided with 5 number heavy-duty twin-wheel nylon castors of 60mm dia each. Product should have SCS Global Indoor Advantage Gold certified. Manufacturer should be the Member of BIFMA, and have should be ISO 9001, should be ISO 14001, should be ISO 45001, should be ISO 50001 (NABCB/IAF accredited), AIOTA and IGBC Gold certificates from CII. Product should have 5 years warranty. all complete as per direction of Engineer-in-Charge.	6.00	each	17968.60	₹ 1,07,812.00	MR
6.9	Supply and installation of Sofa with following specification, Wooden structure of sofa to be fabricated using good quality hardwood duly seasoned and applying anti-termite treatment and manufacture to ensure stability of the frame, on the wooden base frame of the sofa to be provided with jute strips & finish should be with thick marking cloth before doing final finish should be with fabric/leatherette (Stitch). Seat - 40 kg/m ³ density HR PU Foam, 100mm thick, Back - 28-32Kg/ m ³ density HR PU foam, 38mm thick, Sides (inside) - 32 Kg/m ³ density HR PU Foam, 25 mm thick Arm Sides (outside) & back (back side) - 28-32 Kg/m ³ density HR PU foam 11mm thick. Seat shell rest on SS Base Frame section of height 150-180mm. All SS work should be in SS 202 & 5-8mm Solid Bar for Base of Frame & rest 50x25mm Pipe, sofa should be infilled with suitable wooden sections so as to give proper support to the seat Height of the base of sofa should be 110-160mm (Approx). Finish should be width of arm should be 100 - 140mm (Approx) after upholstery work. Sofa to be fully upholstered using fabric/leatherette (stitch) of A grade of desired shade including providing & fixing of all other related materials including hardware etc. The sofa should be provided with bush made up of injection plastic in white/black color. Product should have SCS Global Indoor Advantage Gold certified. Manufacturer should be the Member of BIFMA, and have should be ISO 9001, should be ISO 14001, should be ISO 45001, should be ISO 50001 (NABCB/IAF accredited), AIOTA and IGBC Gold certificates from CII. Product should have 5 years warranty.. all complete as per direction of Engineer-in-Charge.	1.00	each	73672.00	₹ 73,672.00	MR

Sl. No	Description	Quantity	Unit	Rate	Amount	DSR-23
6.10	Supply and installation of Full height Metal swing door Storage , Storage body and shelf should be made of 0.8mm CRCA steel sheet, Shelves and doors should be have stiffeners for tter strength and load aring capacity. Autoengineer in charge) Hinges for tter adjustment of doors. Chrome plated three way Recess type spring loaded rectangular snap shut handle cum lock with duplicate keys. Stoorage unit should be made of 100% virgin Epoxy Powder Coated CRCA steel confirming to should be : 513 CR2 (Cold Reduced Carbon Steel Sheets & Strips (Part 1),2016, procured from primery manufacturers like TATA Steel, SAIL, RINL Jindal etc. (Manufacturer Test Certificate to produced). Furthermore, Complete material should be pass through 7stage, NANO- TECHNOLOGY based Pre-treatment plant prior to powder coating to make corrosive resshould betant. Powder coating should be done on Fully Automatic Powder Coating Plant to ensure smooth, uniform and highest quality levels of Powder Coating. Each Compartment's shelf should be have uniformly dshould betributed load capacity of >35 kg. Front of Full height Storages should be madeout of 16 mm thick Particle Board (E-1 Grade), melamine finshould beh with 2mm PVC edge- banding fitted with extruded aluminum handle as per requirement. Storages should be provided with adjustable levelers. Door Lock should be of three- way lock mechanshould bem.Door should be provided with Hinge-damping mechanshould bem to enable soft closing of doors. Product should have SCS Global Indoor Advantage Gold certified.Manufacturer should be the Member of BIFMA, and have should beO 9001, should beO 14001,should beO 45001,should beO 50001 (NABCB/IAF accredited), AIOTA and IGBC Gold certificates from CII.Product should have 5 years warranty.Product should have 5 years warranty.. all complete as per direction of Engineer-in-Charge.	12.00	each	31157.15	₹ 3,73,886.00	MR
6.11	Providing and fixing 100mm Vertical blinds having 0.60mm to 1.00mm wall thickness head rail 20mm to 25mm high x 40mm to 50mm wide extrude high strength aluminum alloy section which is anodized for smooth and corrosion resistance finish for which it has end control unit state of art planetary reduction gear box having the reduction ratio of 3:1 to 6:1. The end control unit has a sprocket fixed with it is driven by the tiller chain, made of 4.5mm plastic beads molded on 2.20mm thick pollster cord which rotates the louvers by 180 degree. The tilting operation to be smooth end control unit has tilt rod fixed to it which is of 5.80mm to 6.00mm average diameter and made to aluminum with 3key ways to achieve torsional deflection. Carrier(runner) made of molded plastic having anti friction additive which has gear and worm mechanism to hold the louvers and is driven by tilt rod to rotate the louvers. Proper space of runners is main tended by spacer made of molded Derlin/Stainless steel having anti friction additive, spacer ensures overlapping of louvers which are made of specification of vista or equivalent chemical printed fabrics weight 220-230g/sqm in varying widths. Louvers to be kept straight and prevented from swaying by bottom mechanism (weight & chain) bottom weight is made of power coated galvanized steel Sheet/PVC 1.7mm thick for maximum corrosion and bottom chain made of 2mm diameter plastic beads molded on polyester cord available depending on the width of the louvers. The blinds are fixed on galvanized steel "L" brackets made of 3mm thickness fitted pressure clip made of spring stainless steel to hold the head rail. The cord weight is made of ABS material hollow casting with a steel weight inside while the cord of 1.80mm to 2.00mm diameter braided high strength fiber cord maximum abrasion resistance and minimum elongation etc. of "Vista" or equivalent make, and the work is to be done as per Manufactures/Architect's specification ad as per direction of Engineer-in-charge.	30.00	Sqm.	2061.85	₹ 61,856.00	MR
Total					₹ 22,48,103.00	

Executive Engineer
KCD-IV,CPWD,Kol-20