

DETAILED BILL OF QUANTITIES FOR INTERIORS RENOVATION OF RURAL ELECTRIFICATION CORPORATION, NEW DELHI

S.No.	DESCRIPTION	QTY.	UNIT	Rate	Amount
1	FALSE CEILING				
1)	Providing and fixing 12.5mm thick gypboard ceiling surfaces in plain including G.I. suspenders forming a grid of intermediate channel at 1220mm centre to centre with ceiling sections fixed at 450mm centre to centre at right angle to the underside of intermediate channels with connecting clips complete as per India Gypsum Technical Manual including finishing with jointing compound and joint paper tapes and priming with two coats of drywall top coat and fixing of perimeter channel at both ends. Vertical edges to be provided & given plaster of paris cornice of approved design of 150x150mm using best quality plaster of paris after making necessary hacking/roughening including painting of entire Gypboard/POP cornice surface in desired shade of Nerolac/Asian/Dulux in acrylic emulsion as per detailed drg. no. 2. The rate shall also include cutting the Gypboard for light fixtures/A.C. diffusers etc. and providing necessary and additional frame work for fixing the same. Wherever perimeter channels are cut in this process, additional support shall be made for proper stability without any extra cost.layout as per drg. no.-C-02A	4900	Sq. ft.		
2)	Providing and fixing 600mmx600mm Armstrong ceiling tiles dune premier micro look with Armstrong stitched trulok 15 exposed grid system with 15mm wide T-section flanges, white colour 15mm grid to comprise main runners spaced at 1200mm centre to centre securely fixed to structural soffit by approved hangers at 1200mm maximum centre to centre and not more than 150mm from spliced joints. The last hanger at the end of each main hanger should not be greater than 600mm from adjacent wall. Flush fitting 1200mm long cross tees to be interlocked between main runners at 600mm centre to from 1200x600mm modules. Cut cross tees longer than 600mm require independent support. 600x600mm modules to be formed by fitting 600mm long flush fitting cross tees centrally between the 1200mm cross tees. Perimeter trim to be armstrong trulok wall angle or channel secured to walls at 450mm maximum centres. The rate shall include cutting of the tiles for light fixtures/A.C. diffusers etc. and providing necessary and additional frame work for fixing the same. Wherever channels are cut in this process, additional support shall be made for proper stability without a	4400	Sq. ft.		
	WOODEN CEILING: Providing and Fixing 12'-6" X 2' wooden ceiling of 4mm thk bird eye maple dyed 517 veneer of archid/century/truwood make pasted over 4mm thk. flexibly screwed to 1/2"X1/2" chrome plated MS pipe frame of 18 gauge thickness in required curvature using stainless steel studs of 1" dia as per detailed drg. & fixed to the rcc roof using rawl plugs and height adjustable G.I suspension wires. including finishing in matt melamine polish (ICI/MRF poly coats only) complete in all respects as per detail drawing . Rate should include cost of dismantling existing gypboard ceiling where required & making new again, cutting of holes for lights etc. for concealing conduits/wiring, nothing extra will be paid for this.	140	Sq. ft.		
	Providing and Fixing 2'-6" X 6' wooden ceiling and panelling of 19mm thk blockboard with laminate pasted over it. complete in all respects as per detail drawing . Rate should include cost of fixing on ceiling & walls, cutting of holes for lights etc. for concealing conduits/wiring, nothing extra will be paid for this.	100	Sq. ft.		
2	FLOORING				
1)	CARPETING :Providing and fixing carpet flooring of imported looppile carpet of Divine/unitex/armstrong make WW-150 of 69 beige colour in conference hall complete in all respect including fixing of 5 mm thick poly urethane foam rolls below the carpet. Rates quoted should include cost of adhesives, fixing , cutting welding of carpet etc complete in all respects.	480	Sq. ft.		

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2)	Providing and fixing 1st quality 2'x2' vitrified prepolished tiles of Nitco/RAK/naveen make as per drawing of marble/ white shade in flooring, skirting and dado etc fixing using tile adhesive laticrete make minimum 3mm thickness to 5mm thickness on existing floor including grouting using readymade grout of matching shade of Laticrete make. the rates quoted shall include , the cost for any repair/ dismantling of floors etc. if required to lay the tiles in proper level if required, the cost & cutting of tiles for laying borders/ patterns etc complete in all respects as per detailed drg. no.	8500	Sq. ft.		
3	TABLES				
1)	Providing and fixing reception table at entrance foyer using 19mm thick archid commercial block board with 4mm thick archid plain tree veneer and sibu design sinus silver sheet with sibu profile and 12mm thick frosted float glass supported using 2" dia chrome plated solid stainless steel rod fixed to glass using UV light fixing and glass shall not be frosted where the fixing is taking place. All drawers and filing units shall be fixed on telescopic rails of ebco make and shall have godrej locks, polishing steam beech beading in matt melamine finish. The drawers and filing units shall either be painted internally with polyurethane paint or shall be covered using .5mm thickness inner. The table shall be fabricated complete in all respects including locks, stainless steel handles, drawer rails, polishing of glass edges etc. as per detailed drawing no. T1.	1	No.		
	Providing and fixing of Wipro/BP ergo/Hayworth modular work surface of 8'x 3'-6" with return desk of 4'x18" for chief made out of Prelaminate 25 mm thick plain particle board, Grade - I marked with IS-3087 bonded with phenol formaldehyde synthetic resin of approved brand The.Providing and fixing key board tray of approved size with telescopic/nylon roller, slides and made of 18 mm thick particle board with post formed finish.Providing and fixing CPU trolley of standard size with locakable castors and made of 1.6 mm CRCA sheet duly powder coated.Providing and fixing of pedestal drawer unit having an overall size of 900 x 450 x 685 mm having two top drawers and one filing drawer made of 18mm thick prelaminated particle board and having proper central locking arrangement and drawer sliding on nylon roller channels.The table is to be supported on metal embossed modesty panels and I shape Legs.	1	No.		
2)	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular workstation of 1500mmx1500mmx1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are closed using special cover posts.	34	No.		

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	All vertical and horizontal members of the frame are closed with Aluminium Trims grade 63400(HE9) as per IS 733-1983.All frames are connected horizontally using M-6 Screws. All T, L joints are connected using special Aluminum connectors 5mm thick for better alignment and stability.Providing and fixing work surface made out of Prelaminate 25 mm thick plain particle board, Grade - I marked with IS-3087 bonded with phenol formaldehyde synthetic resin of approved brand.Providing and fixing key board tray of approved size with telescopic/nylon roller, slides and made of 18 mm thick particle board with post formed finish.Providing and fixing CPU trolley of standard size with locakable castors and made of 1.6 mm CRCA sheet duly powder coated.Providing and fixing of pedestal drawer unit having an overall size of 900 x 450 x 685 mm having two top drawers and one filing drawer made of 18mm thick prelaminated particle board and having proper central locking arrangement and drawer sliding on nylon roller channels.				
3)	Providing and fixing work surface of 6'x 2'-6" with return desk of 3'x18" made out of Prelaminate 25 mm thick plain particle board, Grade - I marked with IS-3087 bonded with phenol formaldehyde synthetic resin of approved brand The.Providing and fixing key board tray of approved size with telescopic/nylon roller, slides and made of 18 mm thick particle board with post formed finish.Providing and fixing CPU trolley of standard size with locakable castors and made of 1.6 mm CRCA sheet duly powder coated.Providing and fixing of pedestal drawer unit having an overall size of 900 x 450 x 685 mm having two top drawers and one filing drawer made of 18mm thick prelaminated particle board and having proper central locking arrangement and drawer sliding on nylon roller channels.The table is to be supported on metal embossed modesty panels and I shape Legs.	24	No.		
	Providing and fixing Wipro/BP ergo/Hayworth work surface of 7'x 2'-6" with return desk of 4'x18" for chief made out of Prelaminate 25 mm thick plain particle board, Grade - I marked with IS-3087 bonded with phenol formaldehyde synthetic resin of approved brand The.Providing and fixing key board tray of approved size with telescopic/nylon roller, slides and made of 18 mm thick particle board with post formed finish.Providing and fixing CPU trolley of standard size with locakable castors and made of 1.6 mm CRCA sheet duly powder coated.Providing and fixing of pedestal drawer unit having an overall size of 900 x 450 x 685 mm having two top drawers and one filing drawer made of 18mm thick prelaminated particle board and having proper central locking arrangement and drawer sliding on nylon roller channels.The table is to be supported on metal embossed modesty panels and I shape Legs.	8	No.		
4)	Providing and fixing Wipro/BP ergo/Hayworth work surface of 8'x 2'-6" with return desk of 4'-6"x2' for GM made out of Prelaminate 25 mm thick plain particle board, Grade - I marked with IS-3087 bonded with phenol formaldehyde synthetic resin of approved brand The.Providing and fixing key board tray of approved size with telescopic/nylon roller, slides and made of 18 mm thick particle board with post formed finish.Providing and fixing CPU trolley of standard size with locakable castors and made of 1.6 mm CRCA sheet duly powder coated.Providing and fixing of pedestal drawer unit having an overall size of 900 x 450 x 685 mm having two top drawers and one filing drawer made of 18mm thick prelaminated particle board and having proper central locking arrangement and drawer sliding on nylon roller channels.The table is to be supported on metal embossed modesty panels and I shape Legs.	4	No.		
5)	Providing and fixing in position conference table for conference room using 25mm thick membrane finish top of Wipro/BP ergo/Hayworth modular in nature of 14' x 5' with wire manager in the centre to be covered with metal strip	2	No.		
5	Storage				

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1)	Providing and fixing Wipro/BP ergo/Hayworth modular Half. Ht. Storage having overall size of 1240 mm ht. X450mm(D) x1200mm (W) having Top, Bottom panel for 18 mm OSL and Left and Right side panel of 18 mm thick OSL.The Left hand ,Right hand doors and Kick Panel(Qty-3no.) are made of 18 mm thick . There is also a provision of Adjustable Shelf and Fixed shelf made up of 18mm thick OSL.Back Panel is provided with 9mm thick OSL. The Leveler bracket, M* Screws of 2mm thick CRCA is also Provided for Storage unit.D Type handle of 96mm and M/c Screw M4 x25 for Handle is provided in S.S. Brush Finish.The Angle bracket, Multipurpose lock (Model no.MPL1-22), Cabinet Latch and cover plate for Latch hole is also provided with S.S. Brush Finish.Outside hinges are provided at an angle of 90 degrees.The 8x13 Screw for hinges , 6x19 Screw for Lock , 6x13 Screw for Angle Bracket and 6x13 Screw Black for Door Stop Strip is also Provided.	250	rft.		
6	Partitions				
1)	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness with 12 mm thk toughened glass fixed on top to make the partition full height. the top glass to rest on the top of the modular furniture & held in place by D brackets the top of the glass to be held in place using SS studs fixed into 1.5"x1.5" square SS pipe fixed from ceiling as per detail drg. Glass to glass joint to have 90deg patch fitting. the partition will have a 12mm thk toughened glass door on patch fittings, lock,handle of Dorma make. glass door work to be executed by a dorma authorised system integrator only. the specifications of the modular partitions shall remain the same as mentioned in other items. the rates quoted should include the cost of glass,etching of glass, toughening, cutting of glass as per site, installation of doors etc complete in all respects as per detail.	188	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness with 12 mm thk toughened glass fixed on top to make the partition full height. the top glass to rest on the top of the modular furniture & held in place by D brackets the top of the glass to be held in place using SS studs fixed into 1.5"x1.5" square SS pipe fixed from ceiling as per detail drg. Glass to glass joint to have 90deg patch fitting. the partition will have a 12mm thk toughened glass door on patch fittings, lock,handle of Dorma make. glass door work to be executed by a dorma authorised system integrator only. the specifications of the modular partitions shall remain the same as mentioned in other items. the rates quoted should include the cost of glass,etching of glass, toughening, cutting of glass as per site, installation of doors etc complete in all respects as per detail.	76	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness with 12 mm thk toughened glass fixed on top to make the partition full height. the top glass to rest on the top of the modular furniture & held in place by D brackets the top of the glass to be held in place using SS studs fixed into 1.5"x1.5" square SS pipe fixed from ceiling as per detail drg. Glass to glass joint to have 90deg patch fitting. the partition will have a 12mm thk toughened glass door on patch fittings, lock,handle of Dorma make. glass door work to be executed by a dorma authorised system integrator only. the specifications of the modular partitions shall remain the same as mentioned in other items. the rates quoted should include the cost of glass,etching of glass, toughening, cutting of glass as per site, installation of doors etc complete in all respects as per detail.	208	Sq. ft.		

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	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	22.5	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	63	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	96	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness with 12 mm thk toughened glass fixed on top to make the partition full height. the top glass to rest on the top of the modular furniture & held in place by D brackets the top of the glass to be held in place using SS studs fixed into 1.5"x1.5" square SS pipe fixed from ceiling as per detail drg. Glass to glass joint to have 90deg patch fitting. the partition will have a 12mm thk toughened glass door on patch fittings, lock,handle of Dorma make. glass door work to be executed by a dorma authorised system integrator only. the specifications of the modular partitions shall remain the same as mentioned in other items. the rates quoad should include the cost of glass,etching of glass, toughening, cutting of glass as per site, installation of doors etc complete in all respects as per detail.	118	Sq. ft.		

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	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	63	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	41	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	30	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	36	Sq. ft.		

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	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness with 12 mm thk toughened glass fixed on top to make the partition full height. the top glass to rest on the top of the modular furniture & held in place by D brackets the top of the glass to be held in place using SS studs fixed into 1.5"x1.5" square SS pipe fixed from ceiling as per detail drg. Glass to glass joint to have 90deg patch fitting. the partition will have a 12mm thk toughened glass door on patch fittings, lock, handle of Dorma make. glass door work to be executed by a dorma authorised system integrator only. the specifications of the modular partitions shall remain the same as mentioned in other items. the rates quoted should include the cost of glass, etching of glass, toughening, cutting of glass as per site, installation of doors etc complete in all respects as per detail.	158	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness with 12 mm thk toughened glass fixed on top to make the partition full height. the top glass to rest on the top of the modular furniture & held in place by D brackets the top of the glass to be held in place using SS studs fixed into 1.5"x1.5" square SS pipe fixed from ceiling as per detail drg. Glass to glass joint to have 90deg patch fitting. the partition will have a 12mm thk toughened glass door on patch fittings, lock, handle of Dorma make. glass door work to be executed by a dorma authorised system integrator only. the specifications of the modular partitions shall remain the same as mentioned in other items. the rates quoted should include the cost of glass, etching of glass, toughening, cutting of glass as per site, installation of doors etc complete in all respects as per detail.	64	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness with 12 mm thk toughened glass fixed on top to make the partition full height. the top glass to rest on the top of the modular furniture & held in place by D brackets the top of the glass to be held in place using SS studs fixed into 1.5"x1.5" square SS pipe fixed from ceiling as per detail drg. Glass to glass joint to have 90deg patch fitting. the partition will have a 12mm thk toughened glass door on patch fittings, lock, handle of Dorma make. glass door work to be executed by a dorma authorised system integrator only. the specifications of the modular partitions shall remain the same as mentioned in other items. the rates quoted should include the cost of glass, etching of glass, toughening, cutting of glass as per site, installation of doors etc complete in all respects as per detail.	128	Sq. ft.		

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	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	22	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	126	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	112	Sq. ft.		

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	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below. The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness. Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5. Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM, 600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame. Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint. All T, L joints are	126	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness with 12 mm thk toughened glass fixed on top to make the partition full height. the top glass to rest on the top of the modular furniture & held in place by D brackets the top of the glass to be held in place using SS studs fixed into 1.5"x1.5" square SS pipe fixed from ceiling as per detail drg. Glass to glass joint to have 90deg patch fitting. the partition will have a 12mm thk toughened glass door on patch fittings, lock, handle of Dorma make. glass door work to be executed by a dorma authorised system integrator only. the specifications of the modular partitions shall remain the same as mentioned in other items. the rates quoted should include the cost of glass, etching of glass, toughening, cutting of glass as per site, installation of doors etc complete in all respects as per detail.	162	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness with 12 mm thk toughened glass fixed on top to make the partition full height. the top glass to rest on the top of the modular furniture & held in place by D brackets the top of the glass to be held in place using SS studs fixed into 1.5"x1.5" square SS pipe fixed from ceiling as per detail drg. Glass to glass joint to have 90deg patch fitting. the partition will have a 12mm thk toughened glass door on patch fittings, lock, handle of Dorma make. glass door work to be executed by a dorma authorised system integrator only. the specifications of the modular partitions shall remain the same as mentioned in other items. the rates quoted should include the cost of glass, etching of glass, toughening, cutting of glass as per site, installation of doors etc complete in all respects as per detail.	90	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness with 12 mm thk toughened glass fixed on top to make the partition full height. the top glass to rest on the top of the modular furniture & held in place by D brackets the top of the glass to be held in place using SS studs fixed into 1.5"x1.5" square SS pipe fixed from ceiling as per detail drg. Glass to glass joint to have 90deg patch fitting. the partition will have a 12mm thk toughened glass door on patch fittings, lock, handle of Dorma make. glass door work to be executed by a dorma authorised system integrator only. the specifications of the modular partitions shall remain the same as mentioned in other items. the rates quoted should include the cost of glass, etching of glass, toughening, cutting of glass as per site, installation of doors etc complete in all respects as per detail.	90	Sq. ft.		

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	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness with 12 mm thk toughened glass fixed on top to make the partition full height. the top glass to rest on the top of the modular furniture & held in place by D brackets the top of the glass to be held in place using SS studs fixed into 1.5"x1.5" square SS pipe fixed from ceiling as per detail drg. Glass to glass joint to have 90deg patch fitting. the partition will have a 12mm thk toughened glass door on patch fittings, lock,handle of Dorma make. glass door work to be executed by a dorma authorised system integrator only. the specifications of the modular partitions shall remain the same as mentioned in other items. the rates quood should include the cost of glass,etching of glass, toughening, cutting of glass as per site, installation of doors etc complete in all respects as per detail.	85	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness with 12 mm thk toughened glass fixed on top to make the partition full height. the top glass to rest on the top of the modular furniture & held in place by D brackets the top of the glass to be held in place using SS studs fixed into 1.5"x1.5" square SS pipe fixed from ceiling as per detail drg. Glass to glass joint to have 90deg patch fitting. the partition will have a 12mm thk toughened glass door on patch fittings, lock,handle of Dorma make. glass door work to be executed by a dorma authorised system integrator only. the specifications of the modular partitions shall remain the same as mentioned in other items. the rates quood should include the cost of glass,etching of glass, toughening, cutting of glass as per site, installation of doors etc complete in all respects as per detail.	72	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	128	Sq. ft.		

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	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness with 12 mm thk toughened glass fixed on top to make the partition full height. the top glass to rest on the top of the modular furniture & held in place by D brackets the top of the glass to be held in place using SS studs fixed into 1.5"x1.5" square SS pipe fixed from ceiling as per detail drg. Glass to glass joint to have 90deg patch fitting. the partition will have a 12mm thk toughened glass door on patch fittings, lock, handle of Dorma make. glass door work to be executed by a dorma authorised system integrator only. the specifications of the modular partitions shall remain the same as mentioned in other items. the rates quoted should include the cost of glass, etching of glass, toughening, cutting of glass as per site, installation of doors etc complete in all respects as per detail.	162	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness with 12 mm thk toughened glass fixed on top to make the partition full height. the top glass to rest on the top of the modular furniture & held in place by D brackets the top of the glass to be held in place using SS studs fixed into 1.5"x1.5" square SS pipe fixed from ceiling as per detail drg. Glass to glass joint to have 90deg patch fitting. the partition will have a 12mm thk toughened glass door on patch fittings, lock, handle of Dorma make. glass door work to be executed by a dorma authorised system integrator only. the specifications of the modular partitions shall remain the same as mentioned in other items. the rates quoted should include the cost of glass, etching of glass, toughening, cutting of glass as per site, installation of doors etc complete in all respects as per detail.	334	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness with 12 mm thk toughened glass fixed on top to make the partition full height. the top glass to rest on the top of the modular furniture & held in place by D brackets the top of the glass to be held in place using SS studs fixed into 1.5"x1.5" square SS pipe fixed from ceiling as per detail drg. Glass to glass joint to have 90deg patch fitting. the partition will have a 12mm thk toughened glass door on patch fittings, lock, handle of Dorma make. glass door work to be executed by a dorma authorised system integrator only. the specifications of the modular partitions shall remain the same as mentioned in other items. the rates quoted should include the cost of glass, etching of glass, toughening, cutting of glass as per site, installation of doors etc complete in all respects as per detail.	84	Sq. ft.		

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	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	66	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	44	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	66	Sq. ft.		

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	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	45	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	135	Sq. ft.		

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	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	33	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	64	Sq. ft.		

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	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	23	Sq. ft.		
	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	51	Sq. ft.		

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	Providing and fixing double skin 3 tile based Wipro/BP ergo/Hayworth modular partition of 1240MM height and 80MM thickness so as to accommodate totally concealed wire management facility with provision for running electrical as well as other cabling e.g. data and telephone cabling etc. as per specifications given below.The frames would be covered with 8mm thick Fabric Tiles on both sides with approved shade and color. 12 mm thick soft/magnetic/White board with fabric of approved shade .Frames are made of CRCA Steel. All horizontal and vertical sections of 1.8mm thickness.Thickness is welded together to construct a frame. All frames are powder coated in textured finish with 50-60 DFT with impact resistance of 100kg/cm and scratch hardness of 2.5.Each frame has four horizontal members welded to the two vertical members for providing higher rigidity and strength. Frames considered are in combination of 900MM,600 mm. 5 Nos Slots are provided on the vertical section for carrying data and electrical wires at different levels within the frame.Skirting of 100mm is provided for carrying adequate wires anywhere under the footprint.All T, L joints are	48	Sq. ft.		
37)	Panelling				
1)	Providing & fixing Gypboard M/F wall lining system using G.I perimeter channel fixed at the floor & soffit at 610mm centre to centre with nylon sleeves and screws. G.I. ceiling sections cut to size are to be placed vertically into the perimeter channel at 610mm centres. 12.5 mm thick Gypboard is to be screw fixed to the ceiling sections and perimeter channels with 25mm long drywall screws at 300mm centre to centre. Joints are finished to a flush smooth surface which includes filling & finishing the joints with jointing compound & joint paper tape. the rates quoted shall be inclusive of fixing 1 mm thk polythene to be put between the brick wall & G.I sections, making niches, repair if any required on walls to make the panelling plumb, any dismantling or erection of any type of support etc. complete in all respects including providing fixing and pasting of wall paper of opale/tweed/munji range from floors and furnishings over gypboard walls as per detailed drgs complete in all respects.	9200	sq.ft.		
38)	SOFA				

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S.No.	DESCRIPTION	QTY.	UNIT	Rate	Amount
1)	Providing and fixing sofa by fabrication of frame work using 3"x3" Partal wood members with 6mm commercial ply fixed all around to form a solid box and pasting of 4mm thick archid sapeli veneer on top polished in melamine mat finish placing of seats using 0.5" thick U foam over 4" thick rubber foam for horizontal seat and using 0.5mm U foam over 3" thick rubber foam in slope as per drawing to form the back rest. The entire seat and backrest area to be covered with fabric in the price range of about Rs. 300/- / sqm. in make, choice and shade of architect. The colour of the fabric of architects approval shall cover all exposed sides of the sofa and shall be securely fixed at regular intervals to the U form or the ply. The seats and the backrest shall be securely fastened to the wooden base of the sofa. The corner legs shall consists of 2" dia Stainless Steel pipes of 16 gauze thickness securely fixed to the base of the sofa as per detail. complete in all respects including fabrication of planters , magazine racks etc as per drg. no. S1.	1	No.		
2)	Providing & fixing 3-seater sofa of godrej make Verona range in black leather shade (sofa no.- S2)	9	No.		
39)	Providing and placing chairs of Wipro/BP ergo/Hayworth				
1)	ED, model Yuva pro (hi-back) in leather finish	1	No.		
	ED visitor and conference, model Yuva pro (mid-back) in leather finish	18	No.		
2)	GM, model Yuva web	12	No.		
3)	Staff & visitors, model Yuva energy	130	No.		
40)	Main Door				
	Providing and fixing main entrance partition in 10mm thk toughened clear float glass with dorma SM 1090 patch fitting for fixed glass with doors using 10mm thick toughened glass on dorma SM 1020,1001, 1010 patch fittings, BTS 84 floor spring, SM 1049e lock, dorma handles TGDI 30022s complete in all respects as per detailed drawing no. D-01. The entire work will have to be got done from an aouthorised dorma certified sales partner. The rate should include cost of etching on glass of desired pattern as per detailed drawing and complete in all respects as per detail drawing no. D-01.	96	sq.ft.		
	TOILET DOORS:- providing and fixing 35mm thk waterproof flush door shutters of archid make with 1mm thk laminate in desired shade pasted on both side, 6mm thk teak beading all around with matching polish complete in all respects including fixing of chowkat using hindalco section no-SP-4488. powder coated in white/matching colour, steel hinges, door bolts etc complete in all respects. the rates quoted should include the cost of dismantling the existing doors and chowkhats , masonry repairs etc. if required and installing new ones complete in all respects..	260	sq.ft.		
	ROOM DOORS:- providing and fixing 35mm thk flush door shutters of archid make with 1mm thk laminate in desired shade pasted on both side, 6mm thk teak beading all around with matching polish complete in all respects including fixing of chowkat using hindalco section no-SP-4488. powder coated in white/matching colour, steel hinges, door bolts etc complete in all respects. the rates quoted should include the cost of dismantling the existing doors and chowkhats, masonry repairs etc. if required and installing new ones complete in all respects..	455	sq.ft.		
	WALL TILING: Providing and fixing 1st quality prepolished vitrified tiles in toilet - nitco/rak/euro make 2'x2' in prima wood colour or equivalent shades in dado on 12mm thick cement plaster 1:3 in base and joints filled with white cement slurry with matching pigment including finishing of joint corners at right angles and curing of walls and tiles before fixing of tiles including cleaning of finished surface good as new. the rates quoted should include the cost of dismantling the tiles and masonry repairs etc. if required The measurements of tiles surface will be based on visible measured area including pattern as per detail drg	2400	sq.ft.		

DETAILED BILL OF QUANTITIES FOR INTERIORS RENOVATION OF RURAL ELECTRIFICATION CORPORATION, NEW DELHI

S.No.	DESCRIPTION	QTY.	UNIT	Rate	Amount
	Providing and fixing in position EWC Hindware make ivory color constellation model complete with 100mm HCI 'S/P' trap with vent and all other necessary fittings including CP Vent pipe and flushing cistern with seat cover of same shade including one bib cock, angular stop cock for tank & one water jet with angular stop cock, including all GI piping (inlet & outlet) required for full functioning of urinal, the disposal of the urinal shall be concealed till inspection chamber, brackets, cutting and making good the walls and floors wherever required as per detailed drawing. T1&T2	15	No.		
	Providing and fixing vitreous china wash basin hindware make constellation range in ivory colour with pedestal and single 15mm CP Brass pillar tap of Ess Ess / Jaquar make tarim/ florentine range, 32mm CP brass waste of standard pattern with bottle trap of Ess Ess/ Jaquar make, with fully concealed piping for inlet and outlets both complete in all respects, including all GI piping (inlet & outlet) required for full functioning, with all fittings and brackets, cutting and making good the walls wherever required.	15	No.		
	providing and fixing aluminium glazing on external side of the rooms using white powder coated hindalco aluminium sections no ws-1316, sp-1637, ws-1317, sp-1778 for casement windows as per detailed architectural drgs. The rates quoted shall include the cost of 5mm thk St. gobain cool-lite titanium blue glass, dismantling of existing glazing & disposal, erection of new glazing & fixing in place including erection of any brickwork or support structure required or repair to the existing structure if required to make the new glazing fully water & air tight, sealing with silicone sealant etc complete in all respects with handles, bolts, hinges, locks etc	2250	sq.ft.		
41)	Computer and UPS Wiring and Electrification				
1)	Providing, fixing and commissioning of computer network and UPS wiring on officers table using Dlink/AMP/Clipsal make UTP cat-5e cable from server room to officers table with each RJ45 jack terminated by a single cat-5e cable and provision of UPS power supply using 2.5sqmm. Copper wire of finolex/RR kabels/Rallison cables make from UPS Distribution board to officers table, provision of epabx wire of 4 pair of finolex/RR kabels/Rallison make from officers table to UPS room where the Epabx shall be located. Each officers table to have 1 RJ 45 jacks and 3 RJ11 jacks with three 5 amp. UPS power supply sockets and one surge protector. All these mentioned points shall be provided using clipsal make office wonder range of products. The rates quoted for each officers table point shall be complete in all respects including metal boxes, conduiting, tagging, chiselling, concealing of conduits (above false ceiling, within partitions etc.), cutting of existing flooring etc., termination of computer wiring as per requirements of computer administrator duly certified from a computer network certification company, termination of electrical wiring in UPS distribution board, termination of telephone wiring etc. complete in all respects.	8	No.		
2)	Providing, fixing and commissioning of computer network and UPS wiring on staff table using Dlink/AMP/Clipsal make UTP cat-5e cable from server room to staff table with each RJ45 jack terminated by a single cat-5e cable and provision of UPS power supply using 2.5sqmm. Copper wire of finolex/RR kabels/Rallison cables make from UPS Distribution board to staff table, provision of epabx wire of 2 pair of finolex/RR kabels/Rallison from staff table to UPS room where the Epabx shall be located. Each staff table to have 1 RJ 45 jacks and 1 RJ11 jacks with three 5 amp. UPS power supply sockets and one surge protector. All these mentioned points shall be provided using clipsal make office wonder range of products. The rates quoted for each officers table point shall be complete in all respects including metal boxes, conduiting, tagging, chiselling, concealing of conduits (above false ceiling, within partitions etc.), cutting of existing flooring etc., termination of computer wiring as per requirements of computer administrator duly certified from a computer network certification company, termination of electrical wiring in UPS distribution board, termination of telephone wiring etc. complete in all respects.	73	No.		

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S.No.	DESCRIPTION	QTY.	UNIT	Rate	Amount
3)	Providing fixing commissioning and termination of distribution board for computer UPS wiring using merlin gerin make distribution box(CAT No.-13943) and merlin gerin make 24 no. MCBs with C curve of 10amps. Rating and one super immunized ELCB of merlin gerin make (CAT NO.- 23383) complete in all respects including termination of main supply to UPS using 6sqmm. copper wire of LAPP Kables cables and supply from UPS to distribution board also using 6sqmm. copper wire of finolex/RR kables/Rallison Cables make complete in all respects including metal boxes, conduiting, tagging, chiselling, concealing of conduits (above false ceiling, within partitions etc.), cutting of existing flooring etc. as approved by architect.	2	No.		
4)	Providing fixing commissioning and termination of distribution board for distribution of electrical load for lighting and general power supply and air-conditioning using merlin gerin make distribution box(CAT NO.-13943) and merlin gerin make 36 no. MCBs of 10/16/20/32 amps. Rating and one super immunized ELCB of merlin gerin make (CAT No.- 23383) complete in all respects including termination of main supply to UPS using 10sqmm. copper wire of finolex/RR kables/Rallison cables and supply from UPS to distribution board also using 6sqmm. copper wire of LAPP Kables Cables make complete in all respects including metal boxes, conduiting, tagging, chiselling, concealing of conduits etc. as approved by architect.	2	No.		
5)	Providing, fixing and commissioning of lighting using Philips/Wipro/Regent make lighting fixtures as per cat no. mentioned below. The rates quoted should include cost of lamps(colours to be got approved from architect), wiring for new points, conduits, provision of modular switches and accessories of LK fuga/clipsal/north west make with wooden finish top plates, provision of electrical wiring of 1.5sqmm. copper wiring of finolex/RR kables/Rallison cables make, integration of lighting design with occupancy sensors of merlin gerin/Wipro/Cipsal make complete in all respects including metal boxes, conduiting, tagging, chiselling, concealing of conduits (above false ceiling, within partitions etc.), cutting of existing flooring etc. as approved by architect as per detailed drg. no. 02				
a)	Providing fixing and commissioning Phillips/Wipro WVP 75236 SGW, each fixtures to be controlled by 1 no. 5 amp. Switch of LK fuga/clipsal/north west make	98	No.		
d)	Providing fixing and commissioning Phillips/Wipro/Havells innova 11W, each four fixtures to be controlled by 1 no. 5 amp. Switch of LK fuga/clipsal/north west make	237	No.		
f)	Providing fixing & commissioning of lighting fixtures of Wipro/Philips make Model no BCS450-15 CP4 BL . Each one fixtures to be controlled by 1 no. 5 amp. Switch of LK fuga/clipsal/north west make	15	Mtr.		
	Providing fixing & commissioning of lighting fixtures of Deltalight/Zumtobel/Regent make Model channel . Each 10mtr. fixtures to be controlled by 1 no. 5 amp. Switch of LK fuga/clipsal/north west make	100	Mtr.		
g)	Providing fixing and commissioning Wipro WRF 80128 EBQ, each fixtures to be controlled by 1 no. 5 amp. Switch of LK fuga/clipsal/north west make	30	No.		
i)	Providing, fixing and commissioning of metal box AC power connector with 32 amp double pole mcb and metal male plug of MDS legrand/ schneider make for supply of mains power for AC. each point to have wiring directly from DB without any branching.The rates quoted should include wiring for new points, conduits, provision of BP Ergo, Hayeworths, Wipro modular switches and accessories of LK fuga make with wooden finish top plates, provision of electrical wiring of 4sqmm. copper wiring of finolex/RR kables/Rallison cables make complete in all respects including metal boxes, conduiting, tagging, chiselling, concealing of conduits (above false ceiling, within partitions etc.), cutting of existing flooring etc. as approved by architect	44	No.		

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S.No.	DESCRIPTION	QTY.	UNIT	Rate	Amount
	Providing, fixing and commissioning of 15 amp switch socket of LK fuga/clipsal/north west make for supply of mains power fro AC. each point to have wiring directly from DB without any branching.The rates quoted should include wiring for new points, conduits, provision of BP Ergo, Hayeworths, Wipro modular switches and accessories of LK fuga make with wooden finish top plates, provision of electrical wiring of 2.5sqmm. copper wiring of finolex/RR kabels/Rallison cables make complete in all respects including metal boxes, conduiting, tagging, chiselling, concealing of conduits (above false ceiling, within partitions etc.), cutting of existing flooring etc. as approved by architect	15	No.		
6)	Providing fixing,commissioning and integration of energy management system of schneider electric make using merlin gerin occupancy sensors (CDP 16992) for controlling lighting and air-conditioning wherever required using merlin gerin make contactors as per manufacturers specifications complete in all respects including wiring for integration, conduiting, concealing etc. The lights to be integrated shall be got approved from the architect and the occupancy sensors shall have to be got attuned from authorized companys representatives as per detail drawing no. 02B	56	No.		
	providing laying and terminating 3.5 coreX300 sq.mm aluminium armoured cable of havells/rallison/finolex from meter box to DB.The rates quoted shall be complete in all respects including conduiting, tagging, chiselling, thimbles, thimbellling for termination, concealing of conduits everywhere, cutting of existing flooring etc., termination of cables as per requirements of electricity department/NDMC complete in all respects.	20	Mtr.		
	Providing, fixing, installation and commisioning of split air-conditioners of Daikin/Hitachi (iota range)/O general make complete with provision for concealed drain piping till toilets, concealed copper refrigerant piping with insulation, powder coated stands for outdoor unit duly mounted at place specified by architect, gas charging etc. rates quoted should include any copper piping, drain pipes, servo stabilizers complete ina all respects duly commisioned & working as per company specifications with cordless remote controls				
a)	1 TR capacity	9	No.		
	1.5 TR capacity	26	No.		
	2 TR capacity	9	No.		
43)	Fire-Fighting	1	No.		
	STIC of 1 Loop microprocessor based Analogue Addressable Fire Alarm Control Panel with Battery, Make - Morley IAS	1	No.		
	STIC of Addressable Smoke Detectors, Make - System Sensor, Model - MI- PSE	96	No.		
	STIC of Addressable Heat Detectors, Make - System Sensor, Model - MI- ISE	1	No.		
	STIC of Addressable Sounder, Make - System Sensor	2	No.		
	STIC of Addressable Response Indicator	26	No.		
	STIC of Addressssable Fault Isolator, Make - System Sensor	5	No.		
	STIC of Addressable Manual Call Point	2	No.		
	STIC of Addressable Output Module, Make - System Sensor	1	No.		
	SL of 2C x 1.5 mm Copper Armoured Cable with PVC Conduit/ Batten	lumpsum			
				G. Total :	

DETAILED BILL OF QUANTITIES FOR INTERIORS RENOVATION OF RURAL ELECTRIFICATION CORPORATION, NEW DELHI					
S.No.	DESCRIPTION	QTY.	UNIT	Rate	Amount
	NOTE: the contractor has to remove all the dismantled material and debris generated during the renovation from the site and dispose it of at an authorised dumping area of the NDMC. REC shall have no liability of any type whatsoever for disposal of the said material. No extra payments shall be made to the contractor for disposal, dismantling work etc. on any of the items and rates quoted shall be inclusive of the same				
	Notes :-				
	* Entire energy management system shall carry warranty of four years in writing from the manufacturer.				
	* Entire POP cornice work will be done after approval of cornice design from the architect.				
	* All veneer areas shall be polished in matt-melamine finish.				
	* All drawers and shutters to have 5mm thick steam beech wooden lipping all around.				
	* All hardware i.e. self closing hinges, telescopic drawer rails, keyboard rails shall be of ebco/hettich make only.				
	* All tables will have circular plastic cable holders installed on them for computer cabling to be brought on the work top.				
	* All handles/knobs shall be of stainless steel and will be got approved by the architect.				
	* All unlaminated surfaces i.e. areas below tables, area inside drawers etc. shall be finished by pasting 5mm thick inner of matching colour .				
	* All softboards will have cloth mounting of cloth which shall be got approved by the architect.				
	* All tables, drawers, shutters to have locks and all locks of Godrej make only				
	* All wiring above false ceiling to be in conduits and shall be tagged with supoort for hanging them for the ceiling.No conduits will be placed on the false ceiling.				

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S.No.	DESCRIPTION	QTY.	UNIT	Rate	Amount
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LIST OF APPROVED MAKES

S. No.	Description of Items	Approved Manufacturers
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1.	PU Polish	Asian/ICI/MRF polycoat
2.	Antistatic Flooring	Armstrong/Gerflor/LG Floors
3.	Markeen	DCM or equivalent
4.	Ceiling Gypboard	India Gypsum
5.	Blinds	Vista Levolor/MAC
6.	Resin based Adhesive	Fevicol/Vamicol/ Equivalent
7.	Paint	ICI/Asian/Nerolac
8.	Handles	Cavalier/D Line/Dorma
9.	Putty	Shalimar/Berger/Asian
10.	Fire retardant Paint	Navair/Viper
11.	Texture paint	Spectrum/Oihos/Altech
12.	Glass Bricks	Saint Gobain/AIS/
13.	Door Closer	Dorma/Dlive/Sovec
14.	Brass hardware	Erl Behari/Hettich/Dorma/D Line
15.	Locks	Godrej/D Line/Yale
16.	Hardware	Erl Behari/Hettich/Dorma/D Line
17.	Aluminium hardware	Sigma/Everite/Arkay
18.	Carpet	Unite/Divine/Armstrong
19.	Source for Tempering Glass	Gold Plus/Gurind/Impact
20.	Foam and Rubber	MM Foam/Dunlop
21.	Laminate	Formica/Century/Metalan
22.	Glass	Saint Gobain/AISMode
23.	Ply and Board	Archid/Century/Euro
24.	Fabric	Floor & Furnishing/Seasons/Jagdish Store
25.	Hand made ceramic tiles	Raja/Bhaskar or equivalent
26.	Glass Wool	U.P. twiga/Lloyd/Equivalent
27.	Curtain tracks	Vista levolor/MAC/Somfy
28.	Mirror	Modiguard/Saint Gobain/A.S
29.	Veneers	Archid/Century/Euro
30.	Flush Door Shutters	Archid/Century/Euro
31.	Wooden Flooring	Nova Floors/Pergo/Euro
32.	Plastic Surfaces	Corian (Du-pont)/Equivalent
33.	Vitrified Tiles	Naveen/RAK/Nitco
34.	Stainless Steel Staircase Railing	Jindal/D-Line/Dorma
35.	Modular Furniture Chairs	Wipro/BP Ergo/Hayworths