

Bill Of Quantities for Interior Furnishing Works at Proposed State Bank of India., SECTOR-85, MOHALI BRANCH.					
INTERIOR FURNISHING WORKS					
S.N	ITEM	UNIT	QTY	RATE	AMOUNT
INTERIORS / FURNISHING					
1	<p>Single Level SWO Counters Providing and fixing at site SWO counters each upto 5'0" long, 2'-6" high and 3'-0" wide, as per design and drawing. SWO counters to be made of 19 mm thick commercial ply with 1.0 mm thick laminate on outer visible surfaces excluding table curvilinear top (single color on horizontal surface & two colors on vertical surfaces), with 40 mm X 12 mm thick teak wood/MDF beading required all around, as per drawing. Provision for 3" dia. round / 3" square cable manager for computer / electrical cables at appropriate place will be made in the top surface of the counter. The top with Curvilinear profile shall be made out of 19mm thk. commercial ply and finished with 6mm thk. flexi ply as base for polyacrylic sheet or approved laminate as/design with provision for LED Light in bottom. Teak wood/MDF lipping will be provided on all the remaining edges of the counter, including bottom touching the floor and the drawers. The counter shall have a keyboard tray of size 600 X 270 with both side laminated board with back support, of EBCO make fixed on channels, as per manufacturer's instructions / specifications.</p>	Rmt	3.05		
	<p>Three drawers with autolock running on both sides mounting Telescopic (channels) of Godrej, EBCO, Ozone make, made of 19 mm thick commercial ply with 1 mm thick laminate on front face and drawer locks to be provided on one side of the counter as per layout. The sides of the drawers shall be made of 12 mm thick plywood, bottom of 6 mm thick plywood & front of 19 mm thick commercial ply. Non Visible/Inside surface i.e. inside leg-space of table, inside drawers shall be finished with 1mm thk. white/off white laminate. All exposed Teak wood edges / teak wood lipping /MDF beading shall be Spray painted Satin Enamel paint or spirit (natural) polish as required. The drawers shall have partitions for keeping currency notes & the counter should also includes foot rest , Space for CPU as per drawing, complete in all respects. The provision of swaping machine of green channel size 9"x 6" with lid shall be provided at right side of each counter while facing from front.</p>				
	<p>Makes: Commercial ply: Century, Greenply, Archid ply Laminate: AICA, Greenlam, Merino, Formica Telescopic Channels: Godrej, EBCO, Ozone Drawer Locks: Godrej, Ozone, EBCO Autolock: Ozone, EBCO</p>				
2	<p>12 MM thk. toughend glass for Banking / SWO Counters Providing and fixing 12 mm thick, clear plain toughend glass of fixed in vertical position at counter level & to side partitions as per drawing, the counter top glass fixed on both sides to toughned glass partitions & side partitions fixed to wooden partition with superior quality stainless steel L - shaped clamps / glass holders 2 no. on both sides. A 6" dia. semi circular hole at the bottom for transaction shall be provided. All the edges of the glass shall be grinded polished and left free. Superior quality stainless steel L - shaped clamps / glass holders 2 no. on both sides to holding the front glass partition to S.W. Counter.</p>	Sq.mt	2.50		
	<p>Make: Asahi India, St. Gobain,</p>				

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3	Superior quality stainless steel L - shaped slamps / glass holders 2 no. on both sides to holding the front glass partition to S.W.Counter.	Nos.	8.00		
4	POLYACRYLIC SURFACE HARD TOP ON SWO COUNTER TOP: Providing and fixing (12mm thick) white polyacrylic stone (non-absorbent, non-porous solid surface composite material, belonging to the solid surface category) as per drawings/design.providing by the Architects complete in all respect including adhesives, buffing and wastage. Make: LG Hausys, Granium, Merino Hanex, Stylam and Granex	Sq.mt	4.65		
5	Officer's & Staff Tables Officers Table made of 19 mm thk. Commercial plyn(ISI marked- GREEN (Ecotech)/ CENTURY (Sainik) with front and side visible vertical surfaces to be finished with laminate 1mm thick (of approved shade); with 40 mm X 6 mm thick teak wood beading all around, as per drawing. The front of the table top shall be projected as per drawing. Provision for 3" dia. round / 3" square cable manager for computer/ electrical cables at appropriate place will be made in the top surface of the table. Teak wood lipping will be provided on all the edges of the table, including bottom touching the floor and the drawers. The table shall have a keyboard tray of size 600 X 270 fixed on channels(EBCO/ HARRISON/ GODREJ). A full depth CPU shelf 15" wide shall be provided at left hand side of counter underneath the working top, which will be made of 19mm thick BWP commercial ply finished with laminate 1mm thk. One openable shutter one lockable drawer running on side mounting drawer slides (channels) & made of 19 mm thick BWP commercial ply with 1mm thick laminate on front face, handle / knob shall be provided. The sides of the drawer shall be made of 12 mm thick plywood (ISI marked- GREEN (Ecotech)/ CENTURY (Sainik), bottom of 6 mm thick plywood. A full length foot rest made of hard wood 3" x 1½" section shall be provided at 4" above floor level. Inside of drawers & Non-Visible/ inside surfaces i.e. inside / leg-space of table, inside of cupboard will have white coloured 1mm laminate. Teak wood edges / lipping / beading shall be Spirit polished. Makes: Commercial ply: Century, Greenply, Archid ply Laminate: AICA, Greenlam, Merino, Formica Telescopic Channels: Godrej, EBCO, Ozone Drawer Locks: Godrej, Ozone, EBCO				
a	Size 6'0" X 3'0" X 2'6"	Nos.	1.00		
b	Size 5'0" X 2'6" X 2'6"	Nos.	3.00		
6	8.0 MM thk glass on top of officers tables. Providing & Fixing 8mm thk clear float glass for Officers' & BM table top with bevelling on edges all around & grinding including cutting for wire manager as per the instructions of the Achitect/Engineer in charge.	Sq.mt	2.85		
7	Side Credenza Providing & fixing Side credenza 3'6" long & 15" deep, made of 19 mm thick commercial ply (ISI marked- GREEN (Ecotech)/ CENTURY (Sainik) and 6 mm thick plywood on back side & 1mm thick laminate of approved shade on top horizontal surface & vertical visible side only, with teak wood lipping on all edges including bottom touching floor. The credenza will have two drawers on top, horizontally running on side mounting drawer slides (channels) of EBCO/ GODREJ make, & inner surfaces finished with 1mm thk. white/off white laminate. The remaining part of the credenza will have				

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	cupboard with shutters and one shelf, with handle /knob and magnetic catcher. All non visible/inside surfaces shall be finished with 1mm thk. white/off white laminate and teak wood edges/ lipping/ beading shall be Spirit polished with matching pigment.				
a	Officer's & Staff side credenzaas per Drawing & specification mention in item above. Size - 3'-0" / 4'-0" X 1'-6" X 2'-6" (W X D X H)	Rmt.	2.15		
	Commercial ply: Century, Greenply, Archid ply Laminate: AICA, Greenlam, Merino, Formica Telescopic Channels: Godrej, EBCO, Ozone Drawer Locks: Godrej, Ozone, EBCO				
8	Back credenza / Storage Providing & fixing storage cabinets, 18" deep & height as specified, made out of 19mm thick commercial plywood, including the iner shelves & shutters. The visible external surface shall be provided with 1.0mm thick laminate of shade specified, whereas internal surface including both sides of shelves shall be provided with balancing laminate of 0.8mm thickness. All the exposed edges of shutters & shelves shall be provided with beechwood lipping 5mm thick with clear polish finish. The shelves shall be spaced at approx. 15" vertically/as per drawings. The cabinets shall be complete in all respects with handles, catchers, locks, tover bolt(inside) etc.				
	In low height / back storages, drawers shall be provide as per design, running on telescopic channels. Internal surfaces shall be provided with 0.8mm th. Balancing laminate., whereas the visible top shall be provided with 1.0mm thick laminate	Sq.mt	5.80		
	Makes: Commercial ply: Century, Greenply, Archid ply Laminate: AICA, Greenlam, Merino, Formica Telescopic Channels: Godrej, EBCO, Ozone Drawer Locks: Godrej, Ozone, EBCO				
9	Wooden Partition with glasses frosted film as and where specified in laminate both sides. Providing and fixing Low / Full Height Partition made of 44 mm X 44 mm X 16 Gauge aluminium extruded sections @ 16" c/c vertically & horizontally. The bottom member shall be aluminium extruded sections of size 65 mm X 44 mm X 16 Gauge. The aluminium extruded sections frame shall be fixed rigidly at floor level with rawl plugs / steel lugs / screw. The frame work to be clad with 8.0 mm thick commercial ply and 1.0 mm thick laminate as per pattern on both side's upto 4'0" height.The skirting shall be finished with 1mm thk brusshed steel finsi h lamiante. Also 3"x5/8" teak wood section shall be provided on the exposed edges of the partitions, including provideing grove for 12mm/8mm thick glass wherever specfied. The rate shall also include providing and fixing 8mm thk. glass of approved make with frosted film and also for providing grooves in laminate & wood.				
		Sq.mt	17.05		
9a	Wooden Partition with glasses frosted film as and where specified in teak veneer both sides. (basic price Rs 70/- sq.ft teak veneer)	Sq.mt	12.00		
9b	Designer Partitions: Providing & fixing partition made of 44 mm X 44 mm X 16 Gauge aluminium extruded sections frame @ 2'-0" to 2'-0" c/c vertically & horizontally. The frame shall be fixed rigidly at floor level as well as ceiling with rawl plugs. The frame work to be cladded with 8mm thick commercial ply and 4.0mm thick TEAK PLY or 8mm thk. MDF as/approval finished with PU Paint/ polish made in specified pattern including CNC cut MDF Panels sandwiched in 4mm thk.	Sq.mt	3.72		

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	glass/Fluted Glass Panels/as per interiors details on both sides .All ply / wood to be treated with wood preservatives of approved ISI quality.Also 2 1/2"X5/8" teak wood section shall be provided with 12mm thk. glass as per interior details where ever specified.				
	Note: (i) All ply to be sprayed with anti termite and anti borer spray. (ii) Rates to include all necessary supports and as per details. (iii) Measurements to be recorded up to finished false ceiling level.				
	Makes: Commercial ply: Century, Greenply, Archid ply Laminate: AICA, Greenlam, Merino, Formica Telescopic Channels: Godrej, EBCO, Ozone				
10	Wall Paneling Providing and fixing paneling over the existing wall made out of framework of 50 mm X 25 mm - 18gauge section un annodised Aluminium (as per requirement) frame work @ 16" to 24" c/c vertically & horizontally. The frame work to be clad with 8.0 mm thick commercial ply and following finishigs as per drawing and instructions. All exposed surfaces to be clad with teakwood moulding of size 30 mm X 12.0 mm made to shape. The work should be complete in all respects including provisions of grooves duly designed & finished. All wood to be treated with wood preservatives of approved ISI quality. All exposed teak wood shall be spirit polished with matching pigment. The rate shall include for providing groves in laminate & wood. Payments shall be made only for exposed surfaces & actual measurement at site, no payment shall be made for paneling behind furniture such as tables, Credenza , storage etc.				
a	Panelling with laminate	Sq.mt	64.00		
b	Panelling with teak veneer	Sq.mt	18.80		
c	Panelling with lacquered Glass	Sq.mt	6.70		
d	Providing and fixing as/drawing 4-12mm thk.Korian Laminate (Charcolite) panelling of make pasted with adhesives of Pidilite (probone) as per manufacturers specification and drawing.	Sq.mt	9.30		
e	Stonelam (Laminam) panelling. Providing and fixing as/drawing 5mm thk.Laminam panelling of lyca make asted with adhesives of Mapei/karakol as per manufacturers specification and drawing.	Sq.mt	6.70		
	Makes: Commercial ply: Century, Greenply, Archid ply Laminate: AICA, Greenlam, Merino, Formica				
11	Writing desk / Customer Voucher Stand / Forms Stand including Pass Book, Cheque Drop & Suggestion Box Providing and fixing forms stand of size 4'-0" X 1'-6" X 3'-9" with 3 nos. storage units of forms with 12 mm glass top fixed with 3" SS spacer. Space for housing vouchers of size 1'6" W, 1'-0" D & 9" H is also provided on the top and on side (L-shaped, wall hung) including provision of Pass Book, Cheque Drop & Suggestion Box as per drawings made of 19 mm thick commercial ply with 1.0 mm thick laminate to be fixed and 3/4" x 1/4" teak wood lipping on two visible sides on it All exposed Teak wood edges / teak wood lipping / beading shall be spirit polished with matching pigment. etc. & to be fixed on the wall.cost of spacers ect. all inclucive complete.	Nos.	1.00		
	Commercial ply: Century, Greenply, Archid ply Laminate: AICA, Greenlam, Merino, Formica				
12	Night latch in cash cabin door - Providing and fixing night latch lock Godrej/ Doorset/Ozone make in aluminium / wooden doors, complete in all respects.	Nos.	1.00		

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13	<p>Fixed Glass / Glazing for B.O & E - Lobby - Toughened Glass 12.0 mm thk. including frosted film as and where specified.</p> <p>Providing & fixing frameless fully glazed 12.0 mm thk. toughend float glass of size - as per site all sides edge grainded, polished to be fixed with necessary patch fittings (Godrej / Ozone/ Dorma) the glazing to be to be fitted horizontally / vertically as per instructions. The cost including cutting, making holes, cutouts in glass of required shap and size to accomodate</p>	Sq.mt	21.30		
	fittings and fixing the fixtures, screws, sealant wherever required and SS cover over patch fittings, etc. the rate shall be include necessary etching film / logo all inclusive, complete				
	Make: Asahi India, St. Gobain,				
14	<p>Wall Connecting Profile</p> <p>Providing and fixing wall connecting profile in floor to hold 12mm thk. Toughened glass.,make: DORMA/OZONE</p>	Rmt	6.00		
15	<p>Toughned Glass Doors</p> <p>Providing & Fixing Openable 12mm thk. Toughned Glass Door,holded with Patch fitting (i.e. bottom & top patch,L-Patch, floor machine & Door lock) of (Godrej/Dorma/Ozone/Stanley) make,fixed in position as per manufacturers guidelines.</p>				
	The Job also includes providing & fixing of 24" long SS handle & provisions of holes/cuts in glass panel to facilitate fixing of Patch fitting & Handle. The job shall be complete in all respects,including necessary hardware, complete in all respects as per the instruction of the Architect / Engineer in charge.	Sq.mt	4.85		
16	<p>WOODEN Boxing</p> <p>Providing & fixing wooden boxing on columns as per details, using 19mm thick commercial ply, with 1 mm thick laminate fixed as per pattern, including teak wood margin in bottom duly polsiahed to approved shade., complete in all respects.</p>	Sq.mt	8.50		
17	<p>WOODEN BOXING & SHUTTERS FOR ELECTRICAL PANEL with LOUVERS (18mm FIBRE CEMENT BOARD)</p> <p>Providing & fixing at site cabinet 8'-6" height having overall depth of 1'-6".the carcass shall be made of 18mm thk Fibre Cement Board. The shutters shall be made of 18mm thk Fibre Cement Board. with 1.0mm thk laminate on outer surfaces using suitable adhesive. The shutters shall be mounted on heavy duty overlap type SS hinges & provided with magnetic catchers, lock & towerbolts as required with 5mm thk teak wood lipping on all the exposed edges, duly spirit polished. All internal surfaces, & back of shutters shall be painted white, complete in all respects. MAKE : ZYKRON (Century Ply) / SHERA Board / Equivalent</p>	Sq.mt	11.00		
	<p>Makes: FIBRE CEMENT BOARD: Zyrcon(Century), Shera Board, Gyproc (St. Gobain) Laminate: AICA, Greenlam, Merino, Formica</p>				

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18	<p>False Ceiling With Steps. - Gypsum Board</p> <p>Providing and fixing suspended false ceiling (as per specification of manufacture) including steps as per design with 12.5 mm tapered edge Gyp-board to the grid comprising of cold rolled galvanized metal section to the required line and level. The grid consists of a perimeter channel (MF6a of dimensions 20 mm X 27 mm X 37 mm X 3.5 M) fixed round the perimeter to receive and of the ceiling section (MF5) and the outer edges to gyp-board. The intermediate channel (MF7 of dimensions 15 mm X 45 mm X 0.9 mm X 3.6 M) at 1200 mm c/c in the one direction and the ceiling section (MF5 of dimensions 80 mm X 26 mm X 0.5 mm X 3.6 M) at 450 mm c/c in the other direction are connected by a connecting clip (MF9).</p>	Sq.mt	186.00		
	<p>The grid is suspended with an adjustable strap hanger (MF8) of dimensions 25 mm X 0.5 mm at 1200 mm c/c on both ways from the structural soffit using a soffit cleat and expandable bolts / fasteners Nut and bolts are used to connect strap hangers to soffit cleats and for joining ends of channel sections together. The gypsum board layers are screwed to the M/F ceiling sections with gyp-board drywall screws. Jointing and screw spotting are then carried out as per manufacturer's standard recommendations. Perimeter Channels (MF7) to be used around the cut outs for light fittings. A/C ducting etc. The work should be complete as per instructions of Architect or Engineer in charge. The rates should be inclusive of two or more coats of plastic emulsion over a coat of primer to give an even shade.</p>				
	<p>The rate should be inclusive of making opening with frame etc. for electrical / air conditioner, A.C. grills & trap door etc. if required & finishing of ceiling in all respect. Steps/ Vertical bands shall be measured in square feet. Payments shell be made only for exposed surfaces & actual measurement at site. The work includes cost and conveyance of materials and labour charges including. All operational charges,tools, lifts and all heights etc.</p>				
	Make: Armstrong., St.Gobain (Inida Gypsum)., USG Knauf				
19	<p>False Ceiling - (Mineral Fibre)</p> <p>Providing and fixing false ceiling at all heights, made of 600 mm X 600 mm X 16 mm Prima Dune / Sand Supreme, RH 99 & micro log edge with black lining, mineral fibre ceiling tiles of type – Fine Fissured micro lock with silhouetted grid (black reveal) , Tegular edge, laid on Armstrong exposed grid systems. The framework comprises of main rubber spaced at 1200 mm c/c, securely fixed to the structural soffit by approved hangers of spacing not more than 1200 mm c/c. Hangers (G.I. wire of 4 mm dia.) to be fixed by approved rawl plugs, level adjusters & screws etc. The last hanger at end of each main runner should not be more than 450 mm from the adjacent wall.</p>	Sq.mt	16.00		
	<p>Flush fitting 1200 mm long Cross T's (with double stitching) to be interlocked between main runners at 600 mm c/c to form 1200 mm X 600 mm modules.Cut cross T's longer than 600 mm to be supported independ-ently. 600 mm X 600 mm modules to be formed by fitting 600 mm long flush fitting cross T's centrally between the 1200 mm Cross T's. The rates shall be inclusive of making opening with frame etc. for electrical / air conditioner & finishing of ceiling in all respect, the work includes provision of trap door if required.</p>				
	Make: Armstrong., St.Gobain (Inida Gypsum)., USG Knauf				
20	<p>Teak Ply Ceiling</p> <p>Providing and fixing 4mm thk. teak veneer in ceiling over 8mm thk. commercial ply screwed to GI ceiling sections also incorporating 2" x 2" soft wood sections where ever specified as drawing. The work includes espirit polished of approved shade. The payment area will be the visible area only The work should be complete as per instructions of Architect or Engineer in charge.</p>	Sq.mt	13.75		

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21	Painting Work – Texture Paint Providing and applying special / texture paint Asian royal matalic finish of approved shade & make as per manufacturers specification and architects instructions. payment shall be made only exposed surface of texture paint. No measurement shall be made for texture paint behind paneling, furniture such as tables, Credenza, storage etc.	Sq.mt	50.00		
22	Door to System room - Fire rated steel door including frame - 2 (Two) Hrs Metal test certeficate will be provided issued from GQMC.	Sq.mt	1.95		
a)	Frame - Providing and fixing fire resistant door frame of section 100 x 50 mm having built in rebate out made up of 1.2 mm GPSP Sheet duly powder coated / 16 SWG G.I. sheet (zinc coating not less than 120 gm / sqm) duly filled with vermiculite based concrete mix, suitable for mounting 120 minutes fire rated door shutters. The frame is fitted with intumuscent fire seal strip of size 10 x 4 mm (minimum) around the frame and fixing with dash fastener of approved size and make, including apply a coat of approved brand fire resistant primer etc. complete as per direction of Engineer – in charge (including Dash fastners).				
b)	Shutter - Providing and fixing Metal Door Shutter 46 mm thk.made up of 0.8mm thick GPSP Sheet. Glazed fire resistant door shutters of 120 minutes fire rating conforming to IS : 3614 (Part – II), tested and certified as per laboratory approved by Engineer – in – charge, with suitable mounting on door frame, the entire shutter filled insulation material / Honeycomb craft paper of 160gsm (zinc coating not less than 120 gm/m2) and fixing with necessary stainless steel ball bearing hinges of approved make,provision of Fire Rated Wired Glass size of glass 300 X 200 including applying a coat of approved fire resistant primer etc. all complete as per direction of Engineer – in charge (paneling to be paid for separately).				
c	Hardware for fixing - Fire rated steel door including frame Providing and fixing following hardware for fixing fire rated steel door including frame, complete. Hinges 4X3X3 (Min. 3Nos), Pull Handle 19 X 250mm - Pair, Dead Lock, Fire Rated Wired Glass size - 300 X 200, Fastners Hilti 10 X 92mm - (Min - 10Nos.)				
23	Plastic Emulsion Paint				
	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :. Make:- Asian paints/ICI Dulux/Nerolac.	Sq.mt	80.00		
24	FLUSH DOOR in Laminate				
	Providing and Fixing Factory manufactured flush doors along with 2-1/2" x 5" teak wood door frames fixed in position with iron hinges,tower bolts (2 no),Stopper,8"SS Handle (2 No),etc (excluding the cost of any fitting other than specified above but including labour for fixing the same in position.Commercial with elm or gurjan facing on both sides with 1mm approved shade laminate on both sides and lipped edges 35mm thick.	Sq.mt	4.55		
24A	FLUSH DOOR in Teak Veneer				
	Providing and Fixing Factory manufactured flush doors along with 2-1/2" x 5" teak wood door frames fixed in position with iron hinges,tower bolts (2 no),Stopper,8"SS Handle (2 No),etc (excluding the cost of any fitting other than specified above but including labour for fixing the same in position.Commercial with elm or gurjan facing on both sides with 4mm approved teak veneer on both sides and lipped edges 35mm thick.	Sq.mt	1.96		
25	Door Closer - Providing and fixing silver colour (or matching with colour scheme as per site) hydraulic door closer Godrej / Hyper / Everrite make, to Doors complete in all respects.	Nos	7.00		

S.N	ITEM	UNIT	QTY	RATE	AMOUNT
26	Mortice Lock -Providing and fixing silver colour (or matching with colour scheme as per site) Godrej make to Doors complete in all respects.	Nos	4.00		
27	P/F and fixing of Golden Steel letters as per approval. The work includes fixing of the same at site with stencil marking as required., complete in all respects to the satisfaction of Engg. In charge/Architect. The size shall be measured in running inches per letter and of the longer side.The work includes removal of existing letters and re- alignment if same as per approval.	R.inch	260		
28	Panelling With Aluminium Composite Panels (With Aluminium Frames) Supplying & fixing 3mm thick Aluminum component sheet of approved make and shade including making of ground of (1"X2") aluminum hollow section as per design ,with 6mm-19mm wide vertical or horizontal groove finished with Dow Cowing sealant (789) as per Architect's drawings & instructions aluminum component sheet should be of virgin grade and having aluminum profile thickness of 0.25mm on both sides of core. The rate is inclusive of all fixtures and fittings (with sealent) for proper finish. The works includes front face shutter boxing complete. the rate includes all required shuttering, scafoulding, labour, material, complete.	Sq.mt	77.00		
29	Supply & Installation of Fully Automatic Sliding door operator, compliant with future European standards and produced according to the guidelines for power-operated windows, doors and gates BGR 232, the UVV and the VDE regulations. TÜV design tested, tested according to the low voltage guidelines, production according to ISO 9001:2000 certification. Fulfils the DIN V18650 (prEN 12650).Automatic Sliding Door Operator should have mounting backplate for easy installation and a flexible track profile for improved noise & vibration dampening and easy maintenance. Microprocessor-controlled control unit. Self-learning, with adjustable parameters for opening and closing speed, hold-open time and opening and closing force.				
	With pulse expansion for Cheque card or code card reader or key switch. Class of protection IP 20.DORMA ES200 Easy Operator are of very sturdy design with self balancing Panel suspension system and with Anti-Jump fitting ,Automatic sliding door operator, modular design, including internal cover. (A)Single -panel sliding door having clear passage of 900 mm .Microprocessor control, self-learning, reversing when obstruction is encountered. Function programs:				
	Program Modes: - Off, - Automatic, - Permanent open, - Exit only, - Partial open . Connection: (v)230 V, 50/60 Hz, UPS Supply. Activators: (v)Radar system 02 Nos, with 24 GHz, Mandatory as Int'Nat Standards (v)Light barriers, comprising receiver and transmitter -01 Pair (v)Electro-mechanical locking / Bistable	1	No.		
TOTAL					