

OTHER SPECIFICATION

1. Structure:

- a. A heavy-duty extruded aluminium vertical and horizontal profile should be used. All the surfaces of the extrusions must have a minimum of 40+ micron powder coating. All sheet metal components must be coated with a tough, electrostatic powder coating in the black of Min 60+ microns. Self-thread screws should not be used for a higher structural strength and long life.
 - b. A weld-free system must be proposed in order to accommodate future extension and development. Joints that connect elements together must be hidden. The structure itself must be strong enough to pass BIFMA X5.5 tests. The framework must make it simple to assemble monitor arms, slat walls, gland plates, and hinged shutters in an incredibly stiff way. valid BIFMA X5.5 certified products from accredited organizations should be provided.
2. **Table-top:** - The material of the Tabletop shall be of High scratch resistant, minimum 25 mm thick MDF with High-Pressure laminate.
3. **PU Edging:** The part of the consoles that the operator frequently touches in the control room is the front edge of the work surface. The ergonomic need for the soft polyurethane edge is to prevent injury (accidental impact) to the operator during an emergency and to lessen contact stress. 50mm deep tapered edges made of high-density polyurethane foam on an MDF core shall be provided on worktops. PVC T-beading and PU edging that has been extruded are prohibited.
4. **Monitor Arm:** - The Console shall feature ergonomic display mounting arms. It shall enable quick & easy replacement as per the ergonomic.
5. **Shutters:** - The shutter shall be made high scratch resistance of a minimum 18mm Thick Laminated MDF finish with an opening for air ventilation using CRCA covers and filters.
6. **Side Legs:** - The material of the working surface shall be of High scratch resistant, minimum 25 mm thick MDF with High-Pressure laminate. It should match the aesthetics of the console and properly fasten using inserts and bolts.
7. The proposed control desk shall be RoHS certified/tested.

8. **Cable Trays and Wiring:** - The desks shall be designed with vertical and horizontal cable trays to allow for continuous cable management between the cabinets. Wire shall be routed into the cabinet through side leg.
9. **Warranty** – Product should have a warranty of min 18 months from the date of installation.

Operator Control Desk Will Have Following Features:

- 1) Profile Structure of Operator Desk Will Be Of 3mm Thick Extruded Aluminium with Supporting CRCA Top & Bottom Frame. Colour: As Per Approval.
- 2) Tabletop Is Made Of 25mm MDF Board. Colour: As Per Approval
- 3) Separate HORZ. Cable Routing Wire Baskets for Power & Data Cables Will Be Provided
- 4) Power Distribution Sockets (Each User Stations Will Be Provided With 2 No's Separate PDB Units (1 For Main & 1 For Ups Line) Each PDB Unit Will Have 6 Points Of 5/15a Sockets With MCB.
- 5) 25mm MDF Board Side Panels (Fixed Side Panels). Colour: As Per Approval.
- 6) 18mm MDF Front & Back Modesty Panel/Shutter (Openable with Hinge and Locks).
- 7) CPU Sliding Tray and Back Modesty Will Be Made of Powder Coated CRCA Sheet. Colour: As Per Approval.
- 8) 2 Nos of Exhaust Fan Will Be Provided for Adequate Heat Management for Each Section.
- 9) Ventilation Louvers Will Be Provided on Both Front & Rear Modesty with Air Filters.
- 10) Retractable Key Board Tray Will Be Provided in Each Section
- 11) CPU Will Be Mounted on CPU Sliding Tray.
- 12) Hinges For the Doors Shall Be Provided
- 13) Earthing Busbar Will Be Provided
- 14) CFL/LED Lamp Will Be Provided for Internal Illumination.
- 15) Looping Will Be Provided for Both Type of Power Supply.

DETAILED REQUIREMENT OF ACCESSORIES FOR EACH CONTROL DESK.

1. 5 Operator Control Desk

Requirement of Accessories for 5nos Control Desk set				
SN	Description	Make	QTY Per Console	Total QTY
1	10 AMP DP MCB	Siemens/Havells	2 Nos	10 Nos
2	6 way PDU 5/15 Power Socket	Reputed	2 Nos	10 Nos
3	LED Light	Wipro/Philips	1 Nos	5 Nos
4	FAN	Rexnord	2 Nos	10 Nos
5	Toggle Switch for FAN	Reputed	2 Nos	10 Nos
6	Data Socket (RJ45)	D-Link/Legrand	2 Nos	10 Nos
7	Telephone Socket (RJ11)	D-Link/Legrand	2 Nos	10 Nos
8	Keyboard Tray	EBCO/Innofit	1 Nos	5 Nos
9	Monitor Arm	Innofit/Harmoni	2 Nos	10 Nos
10	Cables	RR	As required	As required

2. 4 Operator Control Desk

Requirement of Accessories for 4 nos Control Desk set				
SN	Description	Make	QTY Per Console	Total QTY
1	10 AMP DP MCB	Siemens/Havells	2 Nos	8 Nos
2	6 way PDU 5/15 Power Socket	Reputed	2 Nos	8 Nos
3	LED Light	Wipro/Philips	1 Nos	4 Nos
4	FAN	Rexnord	2 Nos	8 Nos
5	Toggle Switch for FAN	Reputed	2 Nos	8 Nos
6	Data Socket (RJ45)	D-Link/Legrand	2 Nos	8 Nos
7	Telephone Socket (RJ11)	D-Link/Legrand	2 Nos	8 Nos
8	Keyboard Tray	EBCO/Innofit	1 Nos	4 Nos
9	Monitor Arm	Innofit/Harmoni	2 Nos	8 Nos
10	Cables	RR	As required	As required

3. 3 Operator Control Desk

Requirement of Accessories for 3nos Control Desk set				
SN	Description	Make	QTY Per Console	Total QTY
1	10 AMP DP MCB	Siemens/Havells	2 Nos	6 Nos
2	6 way PDU 5/15 Power Socket	Reputed	2 Nos	6 Nos
3	LED Light	Wipro/Philips	1 Nos	3 Nos
4	FAN	Rexnord	2 Nos	6 Nos
5	Toggle Switch for FAN	Reputed	2 Nos	6 Nos
6	Data Socket (RJ45)	D-Link/Legrand	2 Nos	6 Nos
7	Telephone Socket (RJ11)	D-Link/Legrand	2 Nos	6 Nos
8	Keyboard Tray	EBCO/Innofit	1 Nos	3 Nos
9	Monitor Arm	Innofit/Harmoni	2 Nos	6 Nos
10	Cables	RR	As required	As required

4. Operator Chair.

High Quality Operator Chair:

1. Medium Back Chair
2. PP Arm
3. Nylon Base
4. Gas Lift
5. Seat Back Net Tapestry
6. Adjustable Armrest
7. Adjustable Lumber support
8. Cushioned Seat with Mesh Fabric

