

Enclosure - 1

SUPPLY AND INSTALLATION OF MODULAR CONSOLE

Technical Specifications

Sl no	Particulars	Specification/Description	Vendor Compliance
1	Curvilinear Console		
1.1	Size	4500 mm(W) or more x 900mm(D) or more x 750mm (H) of overall stacked cabinets of 6 Nos	
1.2	Stackable cabinets	<p>6 Nos of cabinets to be stacked in curvilinear shape to fit into the 5-meter wide room</p> <p>Each cabinet stack should consist of the two-door openable cabinet at the bottom to accommodate 2 industrial grade CPU cabinets on a movable/retractable platform/tray inside the cabinet.</p> <p>All soft-closing hinges and guideways to be from reputed make such as Hettich, Hafele only.</p> <p>Should have a Slat wall and two 27" inch or above size monitor mounting options vertically and horizontally with modular VESA mount options.</p> <p>All stackable cabinets should work as one unit to form a large console when stacked together.</p> <p>Also, modularity should be provided for 12 no's of 27-inch monitors to stack together to form a large monitoring display.</p> <p>Also, should have accessible doors at the rear side of the cabinet for interconnectivity</p>	
1.2	Structure	All sheet metal (CRCA 1.6/2&3 mm) parts must be finished with a durable, black, electrostatic powder coating with the average application of 60-90 Microns over all surfaces. Minimum Seven tank Pre-treatment process	
1.3	Sliding Hinges of reputed make such as Hettich or Hafele, soft closing type	CPU Sliding trays for easy accessibility of the tray, the tray shall have a load bearing capacity 20Kgs or more	
1.4	Surface	White Quartz G004 or better material, It should be aesthetically appealing	
1.5	Sharp Edges	Sharp edges to be avoided to prevent the operator from any kind of injury	
1.6	Test report	Shall provide the test report of Adhesion test: ISO 2409 and Scratch test: IS 101-1964	

[Handwritten signature]

[Handwritten signature]

①

1.7	End panels		
1.7a)	Material	Aluminium slat wall with rear closed with metallic cover and front closed with Pinboard.	
1.7b)	Sharp Edges	Sharp edges to be avoided to prevent the operator's foot from any kind of injury	
1.7c)	End surface Design	Shall have curve design as indicated in the drawings suitable to both Single and two segments (butted)	
1.8	Rear Slat wall	Should be provided as mentioned.	
1.8a)	Material	Aluminium slat wall with rear closed with metallic cover and the front closed with Pinboard.	
1.9	Monitor Arm		
1.9a)	Material	Aluminium die-cast arm-2nos with SS pole to withstand 27" or more giant monitors. The thin bezel monitors are stackable in vertical and horizontal positions to make a large monitoring display with 12 No's of 27" Monitors. Flexibility to adjust the position of the monitors to be provided	
2.0	Power Supply		
		2No. of 4 way PDU 5/15A, DP 16A MCB-2No, Cooling Fan- 2No's LED -1No., RJ-11 -1No., RJ-45- 2Nos., Door switch-1No., with wiring and set of terminals for each cabinet separately and power connections and communication ports also to be stackable when the cabinets are stacked together. The entire console should require one single phase input power supply when stacked.	
2.1	Chairs with Headrest	6 Nos of reputed make – Godrej (preferably) revolving and movable mesh chairs with a headrest to be supplied along with the Console	
3.0	General Instructions		
3.1	Ergonomics	Shall be designed as per Ergonomic standards.	
3.2	Size and Design	Shape, size, assembly & finishes of all furniture & its elements shall suit the room's width of 5.5 meters approximately.	

[Handwritten signature]

[Handwritten signature]

2

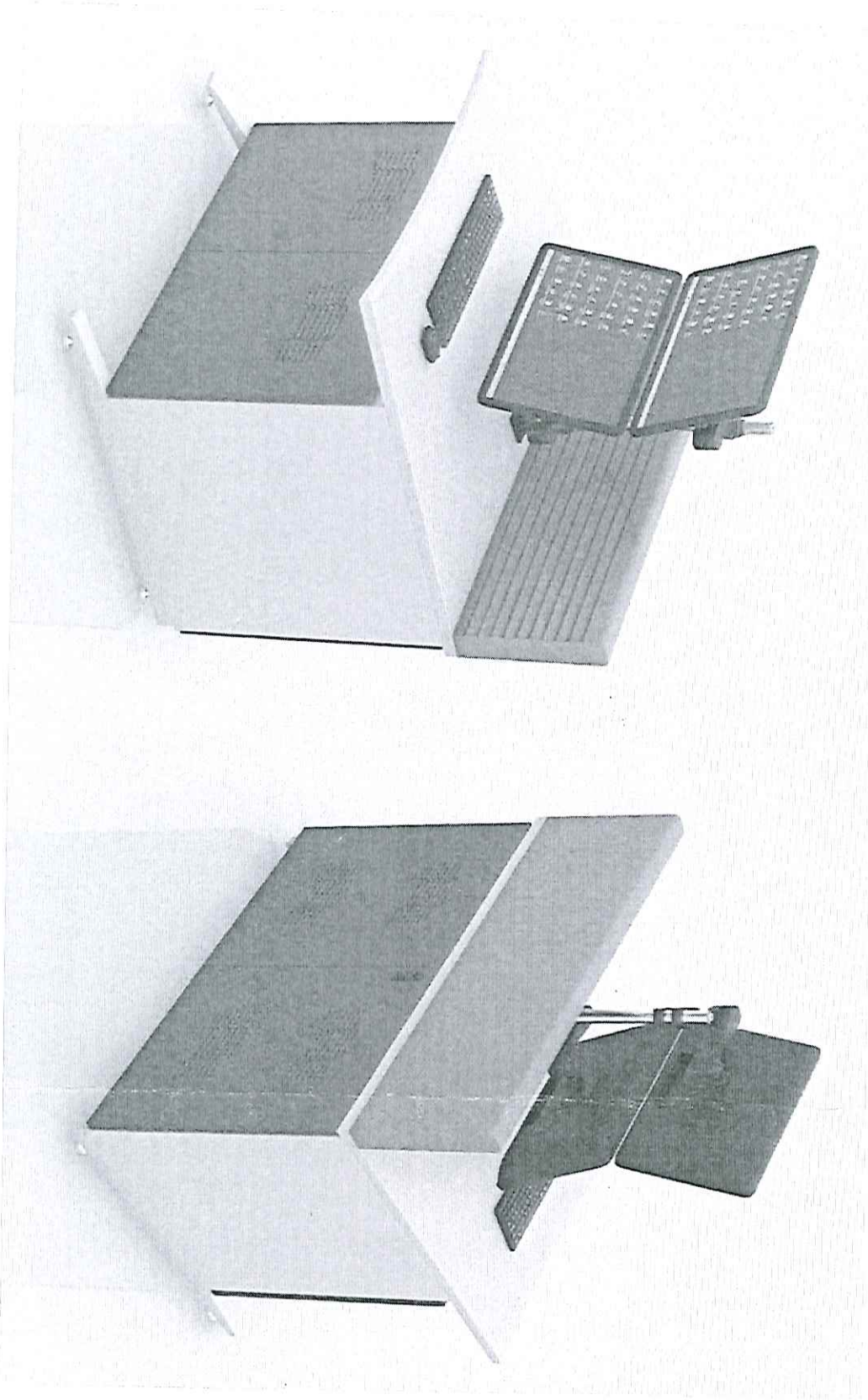
		The vendor may visit CMTI for checking dimensions and installation place	
3.3	Dimensions	All the dimensions shall have CMTI approval before fabrication	
3.4	Vendor visit	The vendor shall visit for assessment of measurements of the items required and provide the exact dimension drawings for approval of CMTI	
3.5	Proof of Concept (PoC)	The vendor shall provide sample pieces of Drawer units, End panels and top cover with suitable laminate colours for CMTI approval before the start of the Production and supply. Based on the designs submitted by the Vendor/manufacturer, CMTI may suggest modifications. The vendor/manufacturer should be willing to accommodate such Modifications during the evaluation and/or at the time of final inspection.	
3.6	Responsibility of Vendor	Installation and commissioning is the sole responsibility of the vendor. In case of any defects arise during installation due to improper installation practices, by vendors/ their representatives, the same have to be replaced / rectified at free of cost. The vendor should undertake installation and commission of supplied modules, mount the industrial PCs and monitors supplied by CMTI and demonstrate the working of stacked large-screen monitoring view. Any additional requirements for demonstrations concerning the Large monitoring view should be quoted separately.	
3.7	Design drawings	Tentative designs are specified for your reference; however The vendor should submit the actual design drawings along with the offer, including 3D design drawing. Vendor / Manufacturer shall provide individual items designs based on the indicated specifications/ requirements & layouts to CMTI for evaluation	
3.8	Printer Tables	2 Nos of aesthetically good looking printer tables also to be supplied and installed along with the console.	

[Handwritten signatures]

3.9	Warranty	Three years of unconditional warranty against any manufacturing defect on the complete design solution and structural stability to be provided	
4.0	Delivery	Within 6 to 8 weeks from P.O. acceptance	
4.1	Payment Terms	70% after Delivery of Material at CMTI and 30 % after installation and Commissioning	
4.2	Compliance	The vendor should quote the item/model according to the aforementioned specifications. Any deviations should be indicated clearly with suitable justifications. Otherwise, the vendor shall be disqualified based on technical non-compliance. The vendor can visit the site, check for dimensional requirements, monitor mounting at CMTI, and position arrangements before submitting the quote.	
4.3	Coordination to finalize the designs	The vendor must take concurrency and prior approval from the concerned scientist/officer to finalise the designs and specifications before proceeding with the manufacturing console. Annexure-I is provided for reference purposes. The inputs given in the annexure are to be followed strictly	

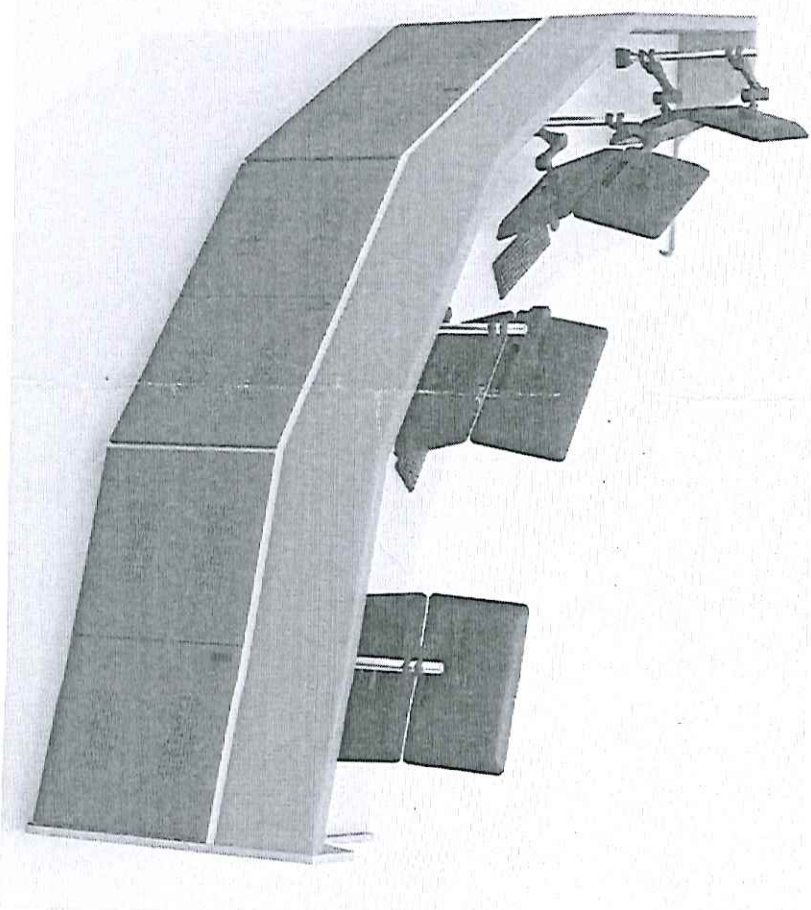
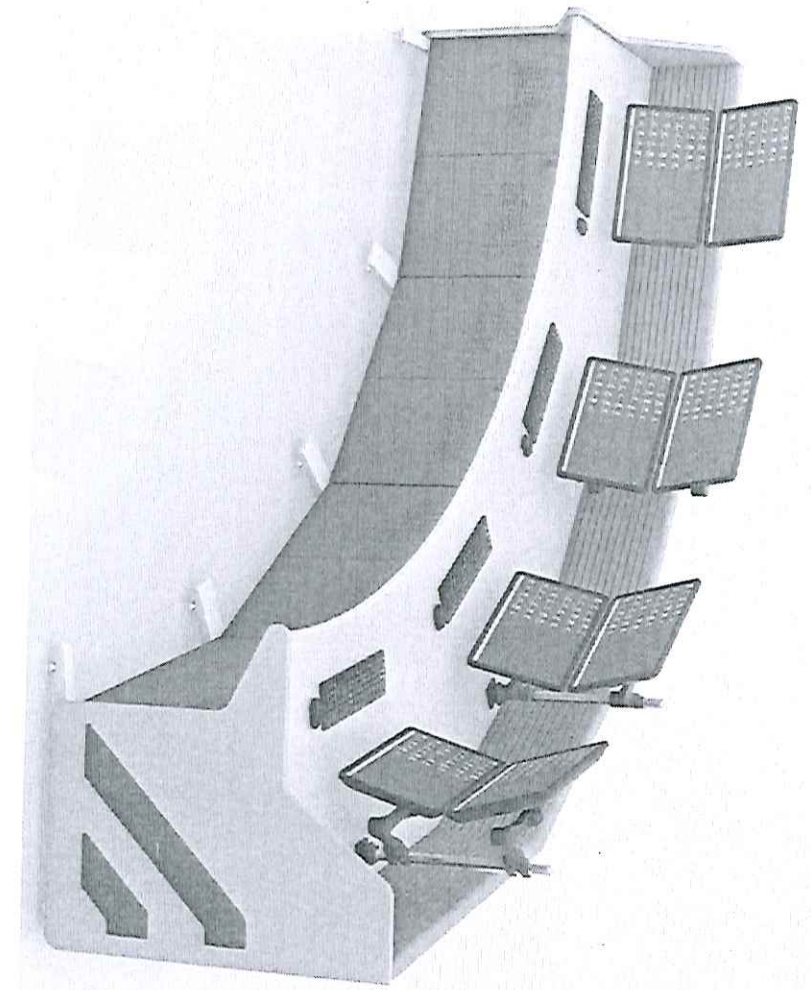
 Nish S. R. (4)

Annexure-I
Reference : Individual Workstation Console



Handwritten signature

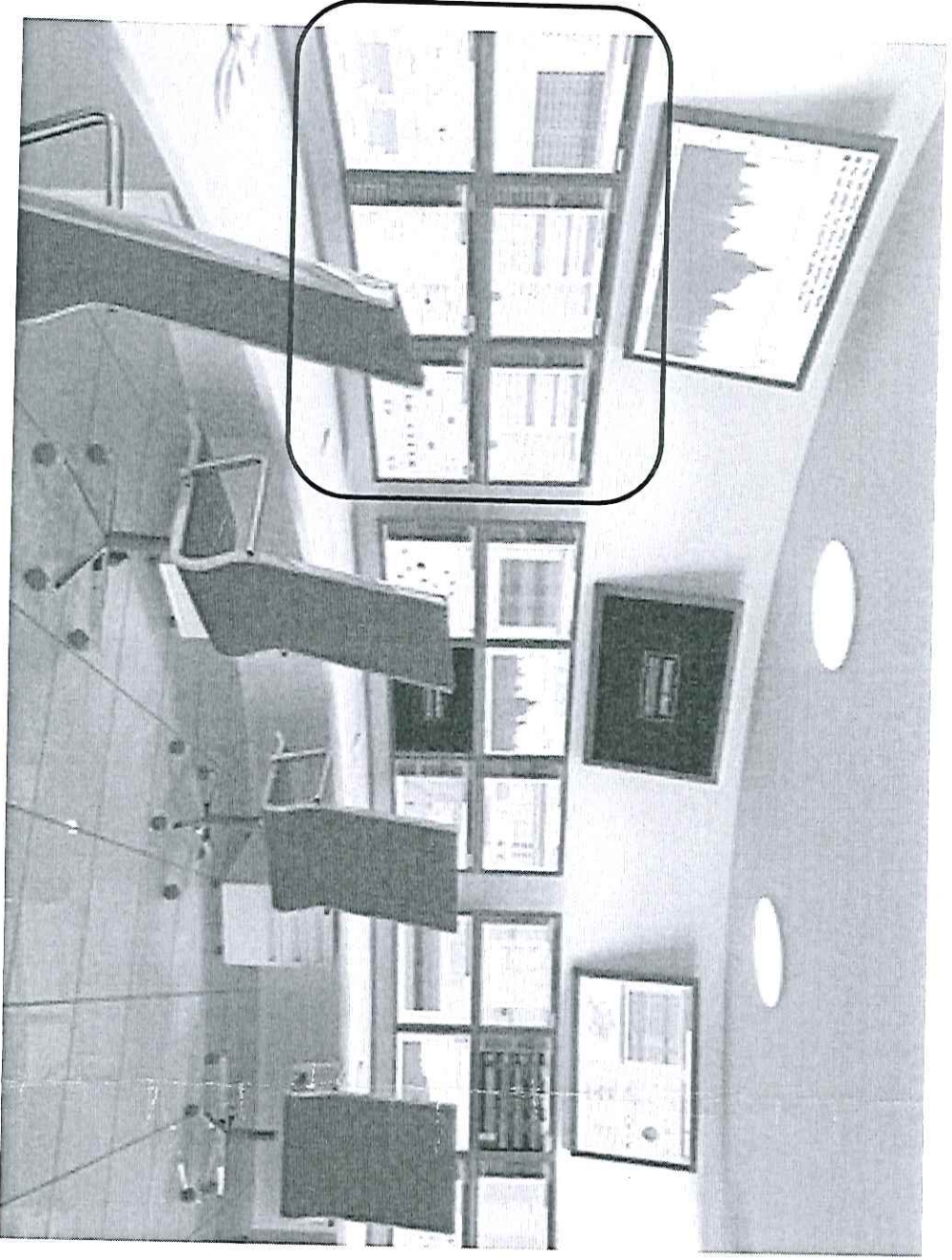
Reference : Curvilinear arrangement or 6 of such consoles to be provided as shown below with side walls, pedestal adjustments with caster wheels and other mounting options specified.



Handwritten signature

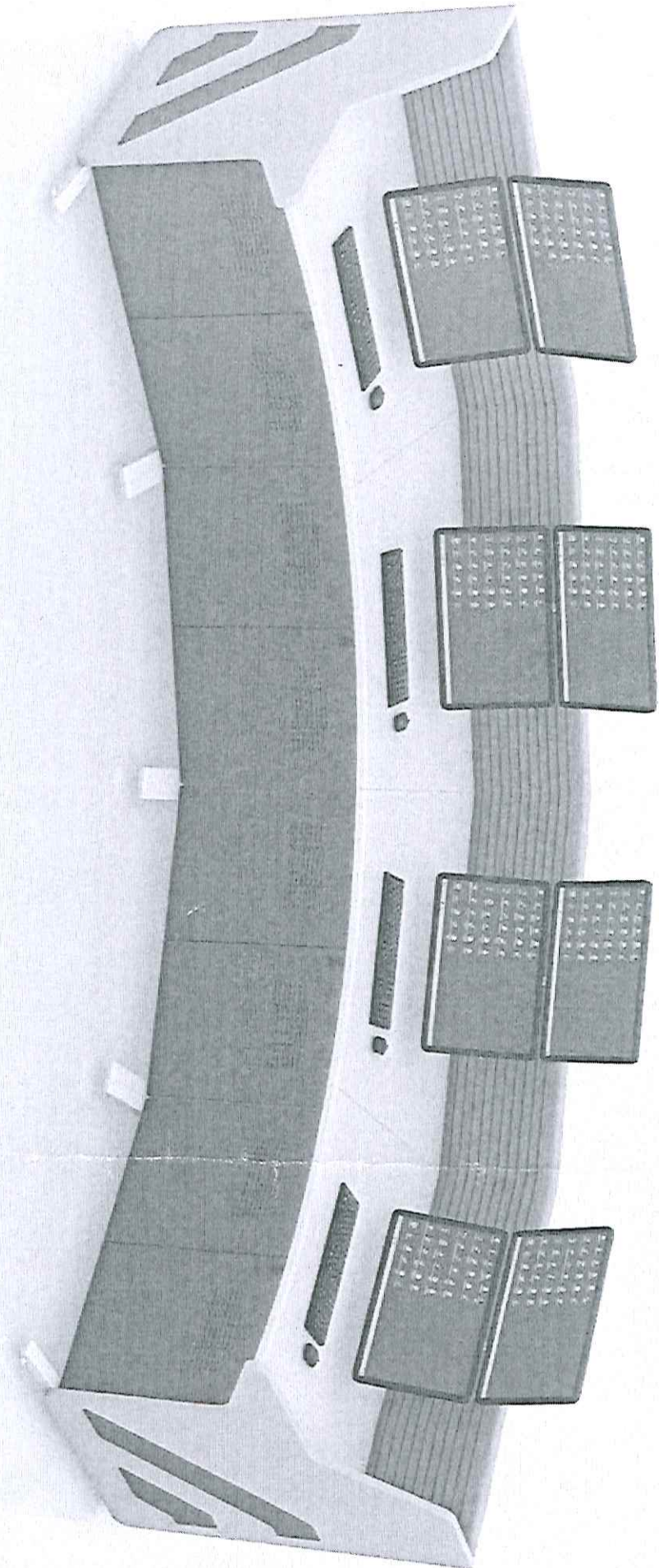
Final Stacked Display-Reference:

Total would be 12
No's of 27 inch
monitors.



Handwritten signature

Referanec: Stacked Workstation Consoles to accommodate 12 Nos of Monitors in a SIX cabinets to fit into a room having width of 5.5 Meters



Not only vertical stacking, but also provision for horizontal stacking_ of all 12 monitors to form a large screen monitoring display As shown in 4th Page

Handwritten signature in blue ink.