

Government eProcurement System
Created By: RISHI RAJ BAGRE
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Tender Title: Reconfiguration of Integrated Terminal Building and Renovation of Old Terminal Building at D.A.B.H. Airport, Indore. SH
Provision of Illuminated and Non Illuminated Wayfinding Signages.
Tender ID: 2024_AAI_193905_1

Tender Inviting Authority: AGM (Engg.-Elect.)-I, AAI, DABH Airport, Indore.

Name of Work: Reconfiguration of Integrated Terminal Building & Renovation of Old Terminal Building at D.A.B.H. Airport, Indore. SH: Pro

Contract No: AAI/ID/ENGG(E)/eNIT-1/2024-25

SCHEDULE OF WORK / ITEM(S)												
Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	Vinayak Infra Signs and Projects Pvt Ltd (GSTN-27AAGCV8668N1ZA) BID ID -701622		POSHDECOR (GSTN-27ABDFP5348N1ZO) BID ID -701833		CUSTOM WRAPS INDIA (GSTN-09AXCPP1598D1ZA) BID ID -702251		Ergomax Workplace Solutions India Pvt. Ltd.(GSTN-NA)--702724	
					Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
1.00	SH-I, Internal & External Signages 1											
1.01	Sign Type Code: 1.1 Sign Type: Airport Entry Portal Refer design drawing: 1.1-S, 1.1-G Providing and fixing Non-illuminated sign on existing MS Sign Post including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge. All exterior signs should be manufactured considering harsh outdoor conditions, weatherproofing techniques and materials shall be used. The scope of item also include dismantling of existing Sign Frame & Sign Face and shifting to AAI stores as required. Sign face Providing and fixing sign face panels 3mm thick Aluminium sheet fabrication, Aluminium sheet fixed to horizontal structural truss. White retro-reflective vinyl pasted over edge to edge aluminium sheet. Graphics in plotter cut RAL 5013 exterior grade opaque vinyl pasted over white retroreflective vinyl. Sign Frame (Spanning Truss) Providing and fixing sign frame (Horizontal Spanning truss) in M.S. square section hot dipped galvanized as per drawing after dismantling existing sign frame and sign face. Frame to be directly fixed to the sign structure. Frame to receive the sign faces. Sign Structure Sign Frame to be mounted on existing Sign Post. Accessories Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws , rivets, bolts, washers, nuts, etc. complete as per drawing for fixing Sign Frame on Structure and Sign Face on Sign Frame. The actual structural design of the sign for its stability shall be responsibility of the contactor. All hardware used for fixing of sign shall be Stainless steel. Secret fixing methods should be used to fix parts together. Size of 2-legged Gantry – 18 Mtr.(Width) X 1.5 Mtr.(Sign Height)	1.00	Each	100.00	450000.00	450000.00	137700.00	137700.00	534000.00	534000.00	400000.00	400000.00

L1 Amount	L1 Vendor
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137700.00	POSHDECOR
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1.02	Sign Type Code: 1.1 Sign Type: Airport Entry Portal Refer design drawing: 1.1-S, 1.1-G Providing and fixing Non-illuminated sign including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge. All exterior signs should be manufactured considering harsh outdoor conditions, weatherproofing techniques and materials shall be used. Sign face Providing and fixing sign face panels 3mm thick Aluminium sheet fabrication, Aluminium sheet fixed to horizontal structural truss. White retro-reflective vinyl pasted over edge to edge aluminium sheet. Graphics in plotter cut RAL 5013 exterior grade opaque vinyl pasted over white retroreflective vinyl. Sign Frame (Spanning Truss) Providing and fixing sign frame (Horizontal Spanning truss) in M.S. square section hot dipped galvanized as per drawing. Frame to be directly fixed to the existing sign structure. Frame to receive the sign faces. Sign Structure Providing a Square post of 300 x 300 mm, 5.4mm thick MS hollow sections including welded Base plate in 8mm thick MS Plate and Gussets in 6mm thick MS Plate as per drawing with holes to fix it on holding down bolts anchored in concrete footing. The post shall be closed with a 6 mm thick MS plate and parts kept unpainted to weld the sign structure as per the drawing to ensure a rigid connection at site. The entire post assembly shall be hot dipped galvanized and P.U. Painted to match RAL 9006 as specified and approved by the Engineer-In-charge. Cost to include all activities and temporary props used for a perfect vertical in plumb installation, shim Plates for adjustment of levels and filling the gap with concrete slurry etc. required for fixing the sign in an external location. Foundation Providing and laying RCC foundation for the sign including its	2.00	Each	100.00	750000.00	1500000.00	690000.00	1380000.00	356000.00	712000.00	767000.00	1534000.00	712000.00	CUSTOM WRAPS INDIA
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1.03	Sign Type Code: 1.6a Sign Type: Arrival/Departure Zone Marker Refer design drawing: 1.6a-S, 1.6a-G Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge. All exterior signs should be manufactured considering harsh outdoor conditions, weatherproofing techniques and materials shall be used. Sign Face Providing and fixing entire Sign face all 4 sides, made of printed vinyl flex of high quality, with the letters/pictogram to match Pantone Black 6C and the rest of the vinyl to match Pantone Yellow C. To be mounted onto framework using appropriate clips and edge ties to be perfectly taut with no sagging. Stitching of the vinyl flex should not be visible to the customers, preferably given at the back side of the box. Suspender Providing and fixing suspension for the signs using Stainless steel Hollow section 100mm OD, thickness 3mm (assuming typical length of 10 ft.), cut, fabricated as per drawing and provided with connectors plates for mounting/ suspending on existing steel truss structure and entire assembly finished in brush finish as approved by the Engineer in-charge. Suspender shall be made to required lengths for each sign for its location after studying the site and ensuring a perfectly aligned and leveled sign installation. Sign Frame Providing and fixing 25mm x 25mm x 2mm MS square sections welded together to form a framework i/c gusset plate. Frame to be directly fixed to the sign suspender. Frame to receive the sign faces. Stretching Member Providing and fixing 5mm thick acrylic strips vertically to the sign frame to help stretching the sign face. Bottom panel Bottom MS Panel powder coated in colour to match Vinyl Black of Pantone Black 6C. Lighting	2.00	Each	10.00	75000.00	150000.00	45000.00	90000.00	261360.00	522720.00	160000.00	320000.00	90000.00	POSHDECOR
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1.04	Sign Type Code: 1.6b Sign Type: Entry/ Exit Announcer Refer design drawing: 1.6b-S, 1.6b-G Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge. All exterior signs should be manufactured considering harsh outdoor conditions, weatherproofing techniques and materials shall be used. Portal 50mm wide portal has to be fabricated from 3mm thick ACP, with Yellow Pantone 116C Vinyl Stuck over it. Sign Letters 50mm thick 3D cut letters in black glossy acrylic. Sign Structure The internal structural frame to be made from 50 mm MS box section hot- dipped galvanized PU Painted in colour RAL 9006. Lighting All internal illumination shall be using LED Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots and adhering to the LUX levels mentioned in the performance specification. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site. The actual structural design of the sign for its stability shall be responsibility of the contactor. All hardware used for fixing of sign shall be Stainless steel. Secret fixing methods should be used to fix parts together. Size – 0.6 Mtr. X 6 Mtr. X Clearance 2.6 Mtr.	8.00	Each	10.00	85000.00	680000.00	60000.00	480000.00	45360.00	362880.00	60000.00	480000.00	362880.00	CUSTOM WRAPS INDIA
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1.05	Sign Type Code: 1.7a Sign Type: Facility Announcer Floor Mounted Refer design drawing: 1.7a-S, 1.7a-G Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge. All exterior signs should be manufactured considering harsh outdoor conditions, weatherproofing techniques and materials shall be used. Sign Box Providing and fixing sign box with lasercut Bent Fabrication in 5mm thick clear acrylic with pantone yellowC Vinyl pasted over acrylic with white diffuser film on inside face. Blockout vinyl for text Pantone Black 6C. Complete box excluding bottom side is lited with internal LED lighting. Acrylic fabrication shall have transparent structural supports for obstruction free lighting. Box to be directly mounted on the sign structure. Bottom panel - Bottom MS Panel powder coated in colour to match Vinyl Black of Pantone Black 6C. Sign Structure Providing and fixing MS square post 75 x 75 mm, hotdipped galvanised and P.U. painted to match RAL 9006 grouted in ground. The Post shall be always be a single continuous element without any joints. Cost to include all activities and temporary props used for a perfect vertical in plumb installation, shim Plates for adjustment of levels and filling the gap with concrete slury etc required for fixing the sign in an external location. Lighting - All internal illumination shall be using LED Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots and adhering to the LUX levels mentioned in the performance specification. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site. Foundation - Providing and laying foundation for the sign including its compaction and all activities like Excavation, PCC base layer, providing and fixing in position electrical	13.00	Each	10.00	28000.00	364000.00	24000.00	312000.00	21150.00	274950.00	30000.00	390000.00	274950.00	CUSTOM WRAPS INDIA
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1.06	Sign Type Code: 1.7d Sign Type: Facility Announcers -Passenger Amenities Refer design drawing: 1.7d-S, 1.7d-G Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer-in-Charge. All exterior signs should be manufactured considering harsh outdoor conditions, weatherproofing techniques and materials shall be used. Sign Box Providing and fixing sign box with laser cut Bent Fabrication in 5mm thick 040 acrylic with pantone yellow Vinyl pasted over acrylic with white diffuser film on inside face. Block out vinyl for text Pantone Black 6C. Complete box excluding bottom is lighted with internal LED lighting. Acrylic fabrication shall have transparent structural supports for obstruction free lighting. Box to be directly mounted on the sign structure. Sign Box 2 Providing and fixing sign box 3 mm thick aluminium fabrication PU Painted mounted on the sign structure with black colour RAL 9011 and provision for concealed wiring/cableing for the required telephone connection in the provided niche. Bottom Panel - Bottom MS Panel PU Painted in colour to match Vinyl Black of Pantone Black 6C. Sign Structure Providing and fixing MS hollow square 50 x 50 x 3 mm fabrication and fixed to the ground. Frame to receive the sign face with 3 mm thick Aluminium sheet fabrication with specified suitable colour, Aluminium sheet fixed to sign structure as specified in the drawings. The actual structural design of the sign for its stability shall be responsibility of the contractor. Lighting - All internal illumination shall be using LED Lights of approved make or equivalent with electronic controllers, having even spread and overlaps to avoid banding and dark spots and adhering to the LUX levels mentioned in the	2.00	Each	10.00	28000.00	56000.00	21000.00	42000.00	74690.00	149380.00	80000.00	160000.00	42000.00	POSHDECOR
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1.07	Sign Type Code: 1.8 Sign Type: Terminal Building Announcer Refer design drawing: 1.8-S, 1.8-G Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge. All exterior signs should be manufactured considering harsh outdoor conditions, weatherproofing techniques and materials shall be used. Letter face Providing and fixing white translucent 040, 5mm thick acrylic box letter complete face shall be covered with translucent vinyl film to match Blue Pantone 541C. Back Channel - A channel made out of aluminium to receive the front acrylic and house the controller and LEDs. Spacer - Recommended for use for mounting the larger text on the glazing frame. Mounting and Structure - Details shall be developed by the contractor in coordination with a glazing detail at specific location as per proposed in the sign. The actual structural design of the sign for its stability shall be responsibility of the contractor and shall be designed with due consultation and approval from structural designer. All hardware used for fixing of sign shall be Stainless steel. Secret fixing methods should be used to fix parts together. Lighting - All internal illumination shall be using LED of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots and adhering to the LUX levels mentioned in the performance specification. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site. Accessories - Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws , rivets, bolts, washers, nuts, etc. complete as per drawing.	110.00	Sq.Mtr	10.00	17000.00	1870000.00	11100.00	1221000.00	25000.00	2750000.00	12000.00	1320000.00	1221000.00	POSHDECOR
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1.08	Sign Type Code: 1.9 Sign Type: Airport Map Refer design drawing: 1.9-S, 1.9-G Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge. All exterior signs should be manufactured considering harsh outdoor conditions, weatherproofing techniques and materials shall be used. Sign Face - Providing and fixing sign face panel in 5mm thick white translucent 040 acrylic. Graphics – Plotter cut blackout vinyl blue -541c, translucent printed vinyl for text/Map and pasted over white translucent acrylic. Sign Frame - Providing and fixing sign frame of 50mm wide PU Painted, colour RAL 9006 aluminium extrusion with inbuilt frame to receive the sign face. The panel should be made easily openable from back for maintenance. Sign Structure - MS square post 75 x 75 x 2.5 mm and horizontal square sections 50 x 50 x 2 mm, powder coated to match RAL 9006. Post including welded MS base Plate and Gussets in 6mm thick MS Plate as per drawing with holes to fix it on holding down bolts anchored in concrete footing. The post shall closed with a 3 mm thick MS plate and parts kept unpainted to weld the sign structure as per the drawing to ensure a rigid connection at site. The entire post assembly shall be P.U. Painted to match RAL 9006 as specified and approved by the Engineer-In-charge. Cost to include all activities and temporary props used for a perfect vertical in plumb installation, shim Plates for adjustment of levels and filling the gap with concrete slurry etc. required for fixing the sign in an external location. Canopy : Providing canopy of 150 mm depth of 2 mm thick over the entire signs. The actual structural design of the sign for its stability shall be responsibility of the EPC contactor. Secret fixing methods should be used to fix parts together. 225x225mm size, 5 mm thick cover plate mounted in case the flooring is present. Lighting - All internal illumination shall be using LED Lights of	1.00	Each	10.00	85000.00	85000.00	81000.00	81000.00	81600.00	81600.00	80000.00	80000.00	80000.00	Ergomax Workplace Solutions India Pvt. Ltd.
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1.09	Sign Type Code: 2.1a Sign Type: Ceiling Hung Directional Sign Refer design drawing: 2.1a-S, 2.1a-G Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer-in- Charge Sign face - Sign face shall be made in 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Blockout vinyl. The films to wrap around the edge of the acrylic to a distance of 25mm on the back side. The Plotter cut blockout vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in-Charge. Sign Frame - Providing and fixing sign frame 50mm wide Powder coated, colour RAL 9006 special aluminium extrusion with inbuilt frame to recieve the sign face. The sign face shall be fixed to sign frame with 3M brand dual lock system in one side and 3M bothway tape from the other side. The panel should be made easily openable for maintainance. Sign Structure - Providing and fixing of aluminium 25mm x 25mm x 1.6mm thick hollow sections for structure framework of sign frame. Suspender - Providing and fixing Stainless steel 25 x 25mm, 1.5 mm thick Hollow sections (assuming typical length of 1 meter) mounted on slabs/beams/walls. Lighting - All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site. Accessories- Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws , rivets, bolts, washers, nuts, etc. complete as per design drawing.											
1.09	2.1a, Message-1, (Single/Double Sided)	23.00	Each	10.00	21000.00	483000.00	39000.00	897000.00	15757.00	362411.00	22400.00	515200.00
1.09	2.1a, Message-2, (Single/Double Sided)	2.00	Each	10.00	27000.00	54000.00	42000.00	84000.00	31515.00	63030.00	54800.00	109600.00
1.09	2.1a, Message-3, (Single/Double Sided)	2.00	Each	10.00	45000.00	90000.00	51000.00	102000.00	47272.00	94544.00	67200.00	134400.00
1.09	2.1a, Message-4, (Single/Double Sided)	1.00	Each	10.00	48000.00	48000.00	5100.00	5100.00	63024.00	63024.00	69200.00	69200.00

362411.00	CUSTOM WRAPS INDIA
54000.00	Vinayak Infra Signs and Projects Pvt Ltd
90000.00	Vinayak Infra Signs and Projects Pvt Ltd
5100.00	POSHDECO R

1.10	Sign Type Code: 2.1b-4 Sign Type: Floor mounted directional sign - Double Refer design drawing: 2.1b-4-S, 2.1b-4-G Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer-in-Charge. Sign face - Sign face shall be made in 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Blockout vinyl.Entire panel covered with a protective overlamine. The films to wrap around the edge of the acrylic to a distance of 25mm on the back side. The Plotter cut blockout vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in-Charge. Sign Frame - Providing and fixing sign frame 50mm wide powder coated, colour RAL 9006 special aluminium extrusion with inbuilt frame to recieve the sign face. The sign face shall be fixed to sign frame with the 3M brand dual lock system in one side and 3M bothway tape from the other side.The panel should be made easily openable for maintainance. Sign Structure - All structural members in SS square post 100 x 100 mm, brush finished. base plate embedded below the floor finish and provided with a floor trim ring. All hardware used for fixing of sign shall be Stainless steel.Post including SS base Plate and Gussets in 6mm thick SS Plate as per drawing with holes to fix it on holding down bolts anchored in concrete slab. The post shall closed with a 3 mm thick SS plate as specified and approved by the Engineer-In-charge. The Post shall be always be a single contnuous element without any joints.Cost to include all activities and temporary props used for a perfect vertical in plumb installation, etc required for fixing the sign in an internal location. The actual structural design of the sign for its stability shall be responsibility of the contactor. Secret fixing methods should be used to fix parts together. Tension Rod - Providing and fixing minimum 10 mm dia. tension rod	5.00	Each	10.00	115000.00	575000.00	60000.00	300000.00	107280.00	536400.00	110000.00	550000.00	300000.00	POSHDECOR
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1.11	Sign Type Code: 2.1c Sign Type: Wall mounted directional sign Refer design drawing: 2.1c-S, 2.1c-G Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge. Sign face - Sign face shall be made in 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Blockout vinyl. The Plotter cut blockout vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in-Charge. Sign Frame - Providing and fixing sign frame 50mm wide powder coated, colour RAL 9006 special aluminium extrusion with inbuilt frame to receive the sign face. The panel should be made easily openable for maintainance. The actual structural design of the sign for its stability shall be responsibility of the contractor. Secret fixing methods should be used to fix parts together. Lighting - All internal illumination shall be using LED Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots and adhering to the LUX levels mentioned in the performance specification. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site. 2.1c, Message-1	8.00	Each	10.00	20000.00	160000.00	36000.00	288000.00	25165.00	201320.00	18000.00	144000.00	144000.00	Ergomax Workplace Solutions India Pvt. Ltd.
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1.12	Sign Type Code: 2.1d Sign Type: Wall Projected directional sign Refer design drawing: 2.1d-S, 2.1d-G Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge. Sign face - Sign face shall be made in 5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Blockout vinyl. The films to wrap around the edge of the acrylic to a distance of 25mm on the back side. The Plotter cut blockout vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in-Charge. Sign Frame - Providing and fixing sign frame 50mm wide powder coated, colour RAL 9006 special aluminium extrusion with inbuilt frame to receive the sign face. The sign face shall be fixed to sign frame with the 3M brand dual lock system in one side and 3M bothway tape from the other side. The panel should be made easily openable for maintainance. Projection - Projection supported of small plates of 8 mm thickness. All hardware used for fixing of sign shall be Stainless steel. The actual structural design of the sign for its stability shall be responsibility of the contractor. Secret fixing methods should be used to fix parts together. Tension Rod - Providing and fixing minimum 10 mm dia. tension rod in brush finished S.S. with the turn buckle system at both ends. Lighting - All internal illumination shall be using Power LED strip edge Lights with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site.											
1.12	2.1d, Message-1 (Single/Double Sided)	1.00	Each	10.00	25000.00	25000.00	42000.00	42000.00	33180.00	33180.00	25000.00	25000.00
1.12	2.1d, Message-3 (Single/Double Sided)	9.00	Each	10.00	52000.00	468000.00	51000.00	459000.00	44756.00	402804.00	40000.00	360000.00

25000.00	Vinayak Infra Signs and Projects Pvt Ltd, Ergomax Workplace Solutions India Pvt. Ltd.
360000.00	Ergomax Workplace Solutions India Pvt. Ltd.

1.13	Sign Type Code: 2.2d-1 Sign Type: Counter Mounted Facility Announcer Refer design drawing: 2.2d-1-S, 2.2d-1-G Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisf action of the Engineer in-Charge. Sign face - Sign face shall be made in 5 mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut vinyl. The films to wrap around the edge of the acrylic to a distance of 25mm on the back side. The Plotter cut blackout vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in-Charge. Sign Frame - Providing and fixing sign frame 50 mm wide powder coated, colour RAL 9006 special aluminium extrusion with inbuilt frame to recieve the sign face. The sign face shall be fixed to sign frame with the 3M brand dual lock system in one side and 3M bothway tape from the other side. The panel should be made easily openable for maintainance. Sign Structure - All structural members in SS square post 75 x 75 mm, brush finished. base plate embedded below the floor finish and provided with a floor trim ring. All hardware used for fixing of sign shall be Stainless steel. Post including SS base Plate and Gussets in 6mm thick SS Plate as per drawing with holes to fix it on holding down bolts anchored in concrete slab. The post shall closed with a 3 mm thick SS plate as specified and approved by the Engineer-In-charge. The Post shall always be a single continuous element without any joints. Cost to include all activities and temporary props used for a perfect vertical in plumb installation, etc required for fixing the sign in an internal location. The actual structural design of the sign for its stability shall be responsibility of the contactor. Secret fixing methods should be used to fix parts together. Lighting- All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers.	10.00	Set	10.00	57000.00	570000.00	51000.00	510000.00	40000.00	400000.00	32000.00	320000.00	320000.00	Ergomax Workplace Solutions India Pvt. Ltd.
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1.14	Sign Type Code: 2.2d-2 Sign Type: Counter Mounted Facility Announcer with Screen Mounting Provision Refer design drawing: 2.2d-2-S, 2.2d-2-G Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer-in-Charge. Sign face - Sign face shall be made in 5 mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut vinyl. The films to wrap around the edge of the acrylic to a distance of 25mm on the back side. The Plotter cut blackout vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in-Charge. Vinyl from 3M or Avery vinyl Sign face shall be provided with through and through cutout to accommodate 32" FIDS Screen. FIDS Screen Mounting Provision - 32" Digital screens mounted on cross ties internally, with brackets designed for the specified sizes. The screen shall be provided by AAI. Sign Frame - Providing and fixing sign frame 100 mm wide powder coated, colour RAL 9006 special aluminium extrusion with inbuilt frame to receive the sign face. The sign face shall be fixed to sign frame with the 3M brand dual lock system in one side and 3M bothway tape from the other side. The panel should be made easily openable for maintenance. Sign Structure - All structural members in SS square post 100 x 100 mm, brush finished. base plate embedded below the floor finish and provided with a floor trim ring. All hardware used for fixing of sign shall be Stainless steel. Post including SS base Plate and Gussets in 6mm thick SS Plate as per drawing with holes to fix it on holding down bolts anchored in concrete slab. The post shall closed with a 3 mm thick SS plate as specified and approved by the Engineer-in-charge. The Post shall be always be a single continuous element without any joints. Cost to include all activities and temporary props used for a perfect vertical in	34.00	Each	10.00	48000.00	1632000.00	69000.00	2346000.00	70400.00	2393600.00	28000.00	952000.00	952000.00	Ergomax Workplace Solutions India Pvt. Ltd.
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1.15	Sign Type Code: 2.2g-2 Sign Type: Boarding Gates - Wall Projected Refer design drawing: 2.2g-2-S, 2.2g-2-G Providing and fixing illuminated signs (Single/ Double Sided) including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge. Sign face - Sign face shall be made in 5 mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge. Sign Frame - Providing and fixing sign frame 50 mm wide powder coated, colour RAL 9006 special aluminium extrusion with inbuilt frame to recieve the sign face. The sign face shall be fixed to sign frame with the 3M brand dual lock system in one side and 3M bothway tape from the other side. The panel should be made easily openable for maintainance. Lighting - All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site. The actual structural design of the sign for its stability shall be responsibility of the contactor. All hardware used for fixing of sign shall be Stainless steel. Projection supported internally by side mounting of SS frame. Secret fixing methods should be used to fix parts together. Accessories - Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws , rivets, bolts, washers, nuts, etc. complete as per design drawing.	11.00	Each	10.00	30000.00	330000.00	33000.00	363000.00	17100.00	188100.00	25000.00	275000.00	188100.00	CUSTOM WRAPS INDIA
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1.16	Sign Type Code: 2.2g-3 Sign Type: Boarding Gates - Wall Mounted Refer design drawing: 2.2g-3-S, 2.2g-3-G Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer-in-Charge. Sign face - Sign face shall be made in 5 mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge. Screen Mounting Provision - 32" Digital screens mounted on cross ties internally, with brackets designed for the specified sizes. The screen shall be provided by AAI. Sign Frame - Providing and fixing sign frame 50 mm wide powder coated, colour RAL 9006 special aluminium extrusion with inbuilt frame to relieve the sign face. The sign face shall be fixed to sign frame with the 3M brand dual lock system in one side and 3M bothway tape from the other side. The panel should be made easily openable for maintainance. Lighting - All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site. The actual structural design of the sign for its stability shall be responsibility of the contactor and shall be designed with due consultation and approval from structural designer. All hardware used for fixing of sign shall be Stainless steel. Secret fixing methods should be used to fix parts together. Accessories - Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws , rivets, bolts, washers, nuts, etc. complete as per design drawing.	15.00	Each	10.00	58000.00	870000.00	51000.00	765000.00	39200.00	588000.00	49000.00	735000.00	588000.00	CUSTOM WRAPS INDIA
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1.17	Sign Type Code: 2.2h (Type-2) Sign Type: Belt No. Sign Refer design drawing: 2.2h-S, 2.2h-G Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer-in-Charge Sign Box - Providing and fixing sign box with laser cut Bent Fabrication in 5 mm thick 040 acrylic (as specified) with pantone yellow C Vinyl pasted over acrylic. Block out vinyl for text Pantone Black 6C. Complete box excluding bottom side is lighted with internal LED lighting. Acrylic fabrication shall have transparent structural supports for obstruction free lighting. Box to be directly mounted on the sign structure. Bottom panel - Bottom MS Panel powder coated in colour to match Vinyl Black of Pantone Black 6C. Sign Structure : Type 2 - All structural members in SS square post 75 x 75 mm (assuming typical length of 2.7 metre), brush finished. base plate embedded below the floor finish and provided with a floor trim ring. All hardware used for fixing of sign shall be Stainless steel. Post including SS base Plate and Gussets in 6mm thick SS Plate as per drawing with holes to fix it on holding down bolts anchored in concrete slab. The post shall closed with a 3 mm thick SS plate as specified and approved by the Engineer-In-charge. The Post shall be always be a single continuous element without any joints. Cost to include all activities and temporary props used for a perfect vertical in plumb installation, etc required for fixing the sign in an internal location. The actual structural design of the sign for its stability shall be responsibility of the EPC contractor. Secret fixing methods should be used to fix parts together. Lighting - All internal illumination shall be using Light Guide Panels(preferred) or LED strip Lights from of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots and adhering to the LUX levels mentioned in the performance specification. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at	5.00	Each	10.00	35000.00	175000.00	27000.00	135000.00	59752.00	298760.00	32000.00	160000.00	135000.00	POSHDECOR
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1.18	Sign Type Code: 2.3a Sign Type: Airport Zonal Route Map Refer design drawing: 2.3a-S, 2.3a-G Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge. Sign face - Sign face shall be made in 5 mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge. Sign Frame - Providing and fixing sign frame 50 mm wide powder coated, colour RAL 9006 special aluminium extrusion with inbuilt frame to recieve the sign face. The sign face shall be fixed to sign frame with the 3M brand dual lock system in one side and 3M bothway tape from the other side. The panel should be made easily openable for maintainance. Sign Structure - All structural members in SS square post 75 x 75 mm (assuming typical length of 2.7 metre), brush finished, base plate embedded below the floor finish and provided with a floor trim ring. All hardware used for fixing of sign shall be Stainless steel. Post including SS base Plate and Gussets in 6mm thick SS Plate as per drawing with holes to fix it on holding down bolts anchored in concrete slab. The post shall closed with a 3 mm thick SS plate as specified and approved by the Engineer-In-charge. The Post shall be always be a single contrnuous element without any joints. Cost to include all activities and temporary props used for a perfect vertical in plumb installation, etc required for fixing the sign in an internal location. The actual structural design of the sign for its stability shall be responsibility of the EPC contactor and shall be designed with due consultation and approval from structural designer. Secret fixing methods should be used to fix parts together. Lighting - All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers.	1.00	Each	10.00	85000.00	85000.00	81000.00	81000.00	85600.00	85600.00	112125.00	112125.00	81000.00	POSHDECOR
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1.19	Sign Type Code: 2.4a Sign Type: Utility Signs(Washroom/Drinking Water/Baby Care) Refer design drawing: 2.4a-S, 2.4a-G Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge. Sign face - Sign face shall be made in 5 mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge. Sign Frame - Providing and fixing sign frame 50 mm wide powder coated, colour RAL 9006 special aluminium extrusion with inbuilt frame to recieve the sign face. The sign face shall be fixed to sign frame with the 3M brand dual lock system in one side and 3M bothway tape from the other side.The panel should be made easily openable for maintainance. Lighting - All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site.											
1.19	2.4a (Type-1), Wall Projected (Double Side - Sign face in acrylic)	29.00	Each	10.00	17000.00	493000.00	18900.00	548100.00	5700.00	165300.00	8800.00	255200.00
1.19	2.4a (Type-2), Wall mounted (Single side content - Sign Face: acrylic, and Back: 3mm ACP)	40.00	Each	10.00	16000.00	640000.00	17500.00	700000.00	4940.00	197600.00	8800.00	352000.00
1.20	Sign Type Code: 2.4b Sign Type: Service Areas Refer design drawing: 2.4b-G Providing and fixing non-illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge. Sign face- Digitally printed Graphics on vinyl pasted on 3mm thick black acrylic mounted on walls/claddings/ paneling's using VHB Tape.	35.00	Each	10.00	2500.00	87500.00	510.00	17850.00	770.00	26950.00	700.00	24500.00

165300.00	CUSTOM WRAPS INDIA
197600.00	CUSTOM WRAPS INDIA
17850.00	POSHDECOR

1.21	Sign Type Code: 2.4c Sign Type: Lift No. Sign Refer design drawing: 2.4c-S, 2.4c-G Providing and fixing illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge. Sign face- Sign face shall be made in 5 mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Block out vinyl. The Plotter cut block out vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone yellow C or Cyan 311C as per graphics and of specified make duly approved by the Engineer-in- Charge. Sign Frame - Providing and fixing sign frame 25mm wide Powder coated, colour RAL 9006 aluminium extrusion with inbuilt frame to receive the sign face. The sign face shall be fixed to sign frame with the 3M brand dual lock system in one side and 3M bothway tape from the other side. The panel should be made easily openable for maintainance. Lighting - All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site.													
1.21	2.4c (Type 1), Wall Projected (Double Side - Sign face in acrylic)	6.00	Each	10.00	17000.00	102000.00	8100.00	48600.00	5700.00	34200.00	8800.00	52800.00	34200.00	CUSTOM WRAPS INDIA
1.21	2.4c (Type 2), Wall mounted (Single side content - Sign Face: acrylic, and Back: 3mm ACP)	6.00	Each	10.00	16000.00	96000.00	7800.00	46800.00	4940.00	29640.00	8800.00	52800.00	29640.00	CUSTOM WRAPS INDIA

1.22	Sign Type Code: 2.6a Sign Type: Emergency Direction Signs - Illuminated Refer design drawing: 2.6a-G Providing and fixing illuminated emergency signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge. Sign face - Sign face shall be made in 5 mm thick 040 acrylic (as specified) with graphics in white and green translucent vinyl on the inside face of the glass. Sign Box - The sign box 80 mm deep shall be made out of 1.6 mm thick CRCA MS sheet fabricated and provided with same material support channel and ties welded to sign channel. All fabrication shall be done using CNC machines. Sign box shall be provided with openings with frosted glass at bottom and Mesh from inside on top for ventilation. Complete sign box including channel supports are to be powder coated to match RAL9006. Sign box flange receiving the sign face shall be provided with slots to receive the sign face. Sign Fixing- Suspenders and projecting pipes shall be stainless steel to match other similar hardware 35mm dia. The actual structural design of the sign for its stability shall be responsibility of the contractor and shall be designed with due consultation and approval from structural designer. Lighting- All internal illumination shall be using LED strip edge Lights of approved make with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws , rivets, bolts, washers, nuts, etc. complete as per drawing											
1.22	2.6a-1, Exit (Single/Double Sided)	5.00	Each	10.00	14000.00	70000.00	4200.00	21000.00	5840.00	29200.00	12000.00	60000.00
1.22	2.6a-2, Emergency Exit (Single/Double Sided)	22.00	Each	10.00	13500.00	297000.00	5100.00	112200.00	7220.00	158840.00	16000.00	352000.00

21000.00	POSHDECOR
112200.00	POSHDECOR

1.23	Sign Type Code: 2.6c Sign Type: Airport Zonal Route Map Refer design drawing: 2.6c-S, 2.6c-G Providing and fixing photoluminescent signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer in-Charge. Sign face - Signs graphics in exterior grade plotter cut opaque vinyls, made of screen printing using artworks provided and with photoluminescent material as per technical specifications. Screen printing shall be done on self adhesive vinyl pasted over panels made out of 3mm thick aluminium, Powder coated in white, mounted over central structure using aluminium rivets. Sign Frame - Internal MS structure receiving the signs faces using equal angles, hot-dipped galvanised and welded to the sign post. Sign Post - 75 mm OD MS post PU painted to match RAL 9011 grouted in ground with concrete footing as per detail. The actual structural design of the sign for its stability shall be responsibility of the EPC contractor. Foundation - Providing and laying foundation for the sign including its compaction and all activities like Excavation, PCC base layer, providing and fixing in position electrical connection wherever applicable and finished as per drawing. The item cost includes cutting and opening the floor finish at location, and making good the location to the match the original finish after fixing and installation of sign. Accessories - Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per drawing.	8.00	Each	10.00	15000.00	120000.00	36000.00	288000.00	5760.00	46080.00	23000.00	184000.00	46080.00	CUSTOM WRAPS INDIA
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1.24	Sign Type Code: 2.7a Sign Type: Queue Manager Sign Refer design drawing: 2.7a-S, 2.7a-G Providing and fixing Non-illuminated signs including all operations from fabrication to installation all complete as per drawings, technical specifications, signage schedule and to the satisfaction of the Engineer-in-Charge. All exterior signs should be manufactured considering harsh outdoor conditions, weatherproofing techniques and materials shall be used. Sign Panel- MS CRCA Powdercoated Black RAL 9011 fabricated as compete box mounted on structure. Face to receive 6mm thick clear Polycarbonate positioned using magnets to sandwich printed graphic. Poster - Printed paper inserted between Clear polycarbonate and back panel. Central Structure - Cladding in powdercoated RAL 9006 MS panels fixed over MS internal structure. All internal structure to be Hot?dipped galvanised after fabrication. Base to have heavy plate and castor for easy movement and provided with attachment to receive the retractable band. Side Panels - M.S. powder coated RAL 9011panels with 35mm return fixed on either side of sign mounted on central structure. Thickness of face polycarbonate shall be selected for the rigidity as per size and to retain flatness. The actual structural design of the sign for its stability shall be responsibility of the contractor and shall be designed with due consultation and approval from structural designer.	4.00	Each	10.00	23000.00	92000.00	24000.00	96000.00	7500.00	30000.00	45000.00	180000.00	30000.00	CUSTOM WRAPS INDIA
2.00	SH-II: Miscellaneous Works													
2.01	Providing and fixing of approved shade Aluminium Composite Panels (ACP) of exterior grade of solid / Metallic colours for signage support/ background, including all necessary frame work with MS member Vertical-80X40X2mm, not more than gap of 4 ft Stiffner-50X25X2mm, MS frame to be duly treated with 2 coats red oxide primer and 2 coats of white enamel paint. The composite panel should consist of 3.0 mm thermoplastic core of LDPE sandwiched between 2 skins of 0.50 mm thick aluminium sheet (alloy designation 310S) making a total panel thickness of 4 mm. The surface will be furnished with coating on top sides and service coating on reverse side. Coatings shall conform to specifications of ECCA / AAMA.	320.00	Sq.Mtr	10.00	4200.00	1344000.00	2400.00	768000.00	2798.00	895360.00	3000.00	960000.00	768000.00	POSHDECOR

2.02	Providing and fixing of MS Framework behind the letters of signage with Vertical member - 80X40X2mm, placed at a distance not more than 4 feet on both sides Horizontal member - 50X25X2mm, placed at a distance not more than 2 feet MS frame to be duly treated with 2 coats red oxide primer and 2 coats of white enamel paint. MS Structure to be provided :- MS Structure using vertical member 100x100x4 mm (not more than 8 feet) and horizontal member 100x100x4 mm (not more than 6 feet). Diagonal binding support of 100X100X4 mm structural drawing duly approved by structural consultant to be provided.	5500.00	Kg	10.00	145.00	797500.00	150.00	825000.00	110.00	605000.00	130.00	715000.00	605000.00	CUSTOM WRAPS INDIA
2.03	Chase cutting of existing Granite/Tiles/Concrete floor of upto depth 75 mm and width suitable for supply & laying up to 25 mm electrical conduit with all types of accessories(viz. elbow, tee, straight socket etc.) and making good the same floor as before using in position cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including fixing of Granite/Tiles on surface as per site requirement with complete satisfaction of Engineer in-charge.	100.00	Metre	10.00	600.00	60000.00	630.00	63000.00	400.00	40000.00	1000.00	100000.00	40000.00	CUSTOM WRAPS INDIA
3.00	SH-III, Dismantling of existing Signages													
3.01	Dismantling of existing Airport Entry Portal/ Gantry Signage of span 10 mtrs. including removing Sign face, sign frame, sign post/ structure complete in all respect, shifting to AAI Store and clearing the site to existing ground level etc. as required as per site condition and as directed by Engineer-in-Charge.	1.00	Job	10.00	25000.00	25000.00	600.00	600.00	30000.00	30000.00	100000.00	100000.00	600.00	POSHDECOR

Total in Figures

14944000.00

13655950.00

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12533825.00

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