



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA
देहरादून विमानपत्तन / DEHRADUN AIRPORT

पत्रांक सं.: भाविप्रा/देहरादून/अभि.-वि./साइनेज/का.आ.-03/2024-25/ 2955-2966
Ref No.: AAI/DDN/Engg-(E)/Signages/W.O.-03/2024-25/

दिनांक : 11.11.2024
Date: 11.11.2024

सेवा में,
मेसर्स अर्गोमैक्स वर्कप्लेस सोल्यूशंस इंडिया प्र. लि.,
जे-170A, न्यू पालम विहार, फेज-1,
गुडगाँव-122017,
हरियाणा

To,
M/s Ergomax Workplace Solutions India Pvt. Ltd.
J-170A, New Palam Vihar, Phase-1,
Gurugram- 122017
Haryana

कार्य का नाम: देहरादून हवाई अड्डे पर टर्मिनल भवन में अतिरिक्त मार्ग-सूचक चिन्हों का प्रावधान।

Name of work: Provision of additional wayfinding signages in terminal building at Dehradun Airport.

Ref. - 1) Your financial bid for E-tender no. 2024_AAI_209103_1 opened on date 29.10.2024.

1) ई-निविदा संख्या-2024_AAI_209103_1 के लिए आपकी वित्तीय बोली जो की दिनांक 29.10.2024 को खोली गई।

महोदय/महोदया,
Sir/Madam,

- उल्लेखित कार्य हेतु आपकी ई-निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत की जाती है, आपके द्वारा उद्धृत मद मूल्यों पर आपकी ई-निविदा राशि कुल रु 56,75,175/- (रुपए छप्पन लाख पचहत्तर हजार एक सौ पचहत्तर मात्र) (बिना जीएसटी के), जो कि उक्त कार्य के उचित लागत रु.71,29,434/- (GST के बिना) से 20.40% कम है।

Your E-tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India at the item rates quoted by you totalling **Rs. 56,75,175/- (Rupees Fifty Six Lakhs Seventy Five Thousand One Hundred Seventy Five only)** (Exclusive of GST) which is 20.40% below the justified cost of **Rs.71,29,434/-** only (excluding GST).

- सहायक महाप्रबंधक (अभि.-वि.), भाविप्रा, देहरादून विमानपत्तन कार्य के प्रभारी अभियन्ता होंगे। आपसे निवेदन है कि आप दिनांक 26.11.2024 तक सहायक महाप्रबंधक (अभि.-वि.), देहरादून हवाई अड्डे के कार्यालय में उपस्थित होकर करारनामे पर हस्ताक्षर कर करारनामे को पूरा करें। ठेके का करारनामा रु 100/- के नॉन जुडिशल स्टाम्प पेपर पर निष्पादित किया जाएगा, तथा पेपर का खर्च आपके द्वारा उठाया जाएगा।

Assistant General Manager (Engg-E), AAI, Dehradun Airport, Dehradun shall be the Engineer-In-charge of the work. You are requested to attend the office of Deputy General Manager (E-E), AAI, Dehradun Airport, Dehradun by 26.11.2024 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value **Rs.100/-(Rupees One Hundred Only)** and the cost of the stamp paper shall be borne by you.

- कृपया इस पत्र के जारी करने की तिथि से 10 दिन के अन्दर सुरक्षा जमा राशि के रूप में रु. 5,67,518/- जमा कराएं। अन्यथा अनुबन्ध की शर्तों के उपबन्ध संख्या 1A पृष्ठ संख्या 16 की शर्त के अनुसार रनिंग और अंतिम बिल से काटी जाएगी, जो कि करारनामे का हिस्सा होगा।

Please deposit **Rs.5,67,518 /-** towards security deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted from Running and Final Bill as per condition of contract, Clause no 1A on page 16 of the General Conditions of Contract which will form part of the agreement.



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4. आपसे निवेदन है कि आप केन्द्रीय और राज्य सरकारों के 1970 के अधिनियम अनुबन्ध श्रम नियम तथा 1971 केन्द्रीय नियम अनुबन्ध श्रम नियम (नियमन तथा उन्मूलन एवं केन्द्र तथा राज्य सरकार के न्यूनतम वेतन अधिनियम और नियमों के प्रावधानों का अनुपालन करें।
You are requested to comply with the provisions of contract labour (Regulation and Abolition) act 1970 and Contract Labour (Regulation and abolition) Central rules 1971 and minimum wages act and rules thereof Central and State Governments.
5. आपको निर्देश दिया जाता है कि आप तुरन्त सहायक प्रबंधक (अभि.वि.) देहरादून विमानपत्तन से मिलें वह आपको साइट सौंपने की व्यवस्था करेंगे।
You are also directed to contact Assistant Manager (Engg.-E), Dehradun Airport immediately who will arrange to hand over the site to you.
6. कृप्या नोट कर लें कि काम करने का अनुमानित समय 03 महीने है जो कि इस पत्र के जारी होने की तिथि के बाद 10वें दिन या साइट ग्रहण करने की तिथि (इनमें से जो भी पहले हो) से गिना जायेगा।।
Please note that the time allowed for carrying out the work shall be 03 months which shall be reckoned from 10th day after the date of issue of this letter or taking over of the site (whichever is earlier).
7. उपरोक्त संदर्भित पत्र is ठेके का भाग होगा।
The letter referred above shall form part of contract.
8. दोष दायित्व अवधि प्रमाणित समापन तिथि से 12 महीने की होगी। इस अवधि के दौरान किसी भी प्रकार के दोष होने पर आपको दोष अपने खर्च पर ठीक कराना होगा। जिसकी जिम्मेदारी आपकी होगी। सुरक्षा जमा राशि को दोष दायित्व अवधि के खत्म होने के बाद वापिस की जायेगी।
You will be responsible to make good and rectify at your own expense of any defect which may develop or may be noticed within the Defects Liability Period of 12 months which shall be reckoned from the certified date of completion. The security deposit shall be refunded only after expiry of defects liability period.
9. संविदा के सम्बन्ध में सामान्यतः कोई भी पत्राचार कार्य प्रभारी अभियन्ता को सम्बोधित करते हुए किया जाना चाहिए।
Any further correspondence in connection with the contract should normally be addressed to the Engineer-In-Charge.
10. कृप्या पावती भेजें और स्वीकृति के टोकन के रूप में संलग्न इस पत्र की दूसरी प्रति हस्ताक्षर करके वापस अधोहस्ताक्षरी को भेजें।
Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it, to the undersigned, as a token of acceptance.
11. हिंदी तथा अंग्रेजी संस्करण में अंतर पाए जाने पर अंग्रेजी संस्करण मान्य होगा।
If any discrepancy is observed in Hindi and English version, then English version will be followed.

भवदीय

11/11/2024

सहायक महाप्रबंधक (अभि.-वि.)
Assistant General Manager (Engg.-E),
भा.वि.प्रा., देहरादून हवाई अड्डा,
AAI, Dehradun Airport,
कृते अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से
For & on behalf of Chairman,
Airports Authority of India

Encl: Schedule of work (12 Pages)



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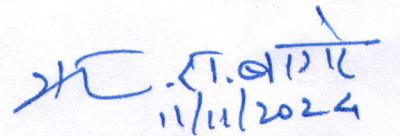
प्रतिलिपि-

(आन्तरिक)

1. विमानपत्तन निदेशक, भा.वि.प्रा., देहरादून हवाई अड्डा।
2. महाप्रबंधक (अभि.), क्षेत्रीय मुख्यालय - उत्तरी क्षेत्र, भा.वि.प्रा, नई दिल्ली।
3. एम.आई.एस. इंजीनियरिंग सेक्शन, क्षेत्रीय मुख्यालय - उत्तरी क्षेत्र, भा.वि.प्रा, नई दिल्ली।
4. कार्यकारी महाप्रबंधक (अभि.), परियोजना, भा.वि.प्रा., देहरादून हवाई अड्डा।
5. उप महाप्रबंधक (अभि.-वि.), भा.वि.प्रा., देहरादून हवाई अड्डा।
6. सहायक महाप्रबंधक (अभि.-सि.), भा.वि.प्रा., देहरादून हवाई अड्डा।
7. वरिष्ठ प्रबंधक (वित्त), भा.वि.प्रा., देहरादून हवाई अड्डा।
8. सहायक प्रबंधक (अभि.-वि.), भा.वि.प्रा., देहरादून हवाई अड्डा।
9. मुख्य सुरक्षा अधिकारी, भा.वि.प्रा., देहरादून हवाई अड्डा।

(बाहरी)

1. डिप्टी सीएलसी., आई.डी.टी. कॉम्प्लेक्स ओ.एन.जी.सी., डॉ अम्बेडकर स्टेडियम के सामने, कौलागढ़ रोड, देहरादून, उत्तराखंड-248001 /
Dy. CLC(C), I.D.T. Complex ONGC, Opp. Dr. Ambedkar Stadium, Kaulagarh Road, Dehradun, Uttarakhand-248001
2. भविष्य निधि भवन, व्योम्प्रस्थ, कांवली, जी.एम.एस. रोड, देहरादून, उत्तराखंड-248001 /
Bhavishyanidhi Bhavan, General Mahadev Singh Rd, Vyomprasth, Dehradun, Uttarakhand 248001


सहायक महाप्रबंधक (अभि.-वि.),
भा.वि.प्रा., देहरादून हवाई अड्डा, देहरादून


भा.वि.प्रा.

SCHEDULE OF QUANTITIES

Name of Work: Provision of additional wayfinding signages in terminal building at Dehradun Airport.

Name of Agency: M/s Ergomax Workplace Solutions India Pvt. Ltd. J-170A, New Palam Vihar, Phase-1, Gurgaon

S.No.	Item Description	Quantity	Unit	Rate	Amount
1.1	Sign Type Code: 1.1 Sign Type: Airport Entry Portal Refer design drawing: 1.1 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, weather proofing 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 50 mm x 50 mm in MS square section hot dipped galvanised and P.U. painted to match RAL 9006 as per drawing. Frame to be directly mounted on existing sign structure. Frame to receive the sign faces. Sign Structure: Sign Frame to be mounted on existing 2 legged-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 and the frame for its stability shall be responsibility of the contractor. 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 — 20 Mtr.(Width) X 1.5 Mtr.(Sign Height) Both Side	1	Job	720000.00	720000.00
1.2	Periphery Airport Name on Existing Wall Sign type 1.2 Providing and fixing External Signage's made of SS 304 (brush finish) 1.6 mm thick sheet for letters with raising(letter depth of 30-50mm). Including all fittings, accessories, fixtures, fabrication. The signage will be reverse/Back illuminated. For illumination back of the signage to be made of 4 mm thick acrylic. Illumination to be done with LEDs, powered with IP 67 Grade powersupply fixed on the wall with necessary fixtures. The signage need to be provided on existing wall of size 16.00 mtr. x 3.30 mtr. The signage letters shall be of height 500 mm. and in three rows (1 row for each language). Back lit LED Illuminated AAI Logo of height 2500 mm also to be provided. 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 performance specification. Cost to include all internal connections and Wiring, terminating and connecting the incoming cable laid by Airport contractor at the site. The scope of item also include dismantling of existing SS letters (arranged in two rows) from the wall and shifting to AAI stores; and repairing & finishing the wall with two coats of textured exterior paint of existing colour shade.	1	Job	495000.00	495000.00
1.3	Vehicular Directional Sign - Pole Mounted Sign type 1.3a Refer design drawing 1.3a-1 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, weather proofing techniques and materials shall be used. 1. Sign face - 3mm thick aluminium with a white retro-relective film. Graphics in Plotter RAL:5013 Exterior grade opaque vinyl pasted over white retro-relective vinyl. 2. Sign frame - M.S.frame 50x50x3mm hotdipped galvanised 3. Sign structure - MS square post 125x125x5mm and mounting square sections 75x75x3mm, hotdipped galvanised and PU Painted to match RAL 9006 grouted in ground. Secret ixing methods should be used to fix parts together. 4. Base plate - 300x300x10mm thick plate mounted on the flooring. 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. The actual structural design of the sign for its stability shall be responsibility of the EPC contractor and shall be designed with due consultation and approval from structural designer. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per drawing. (Note: Signs placed on internal roads of Airport to help align and manage vehicular traffic. - Ground Clearance 2400mm)				

S.No.	Item Description	Quantity	Unit	Rate	Amount
1.31	1.3a, Message-1, (Single/Double Sided) (Size 2100 mm x 425 mm.)	4	Nos	19800.00	79200.00
1.32	1.3a, Message-2, (Single/Double Sided) (Size 2100 mm x 850 mm.)	4	Nos	30600.00	122400.00
1.33	1.3a, Message-3, (Single/Double Sided) (Size 2100 mm x 1275 mm.)	2	Nos	46800.00	93600.00
1.4	Directional Sign - Pedestrian Sign Type 1.3b Refer design drawing 1.3b 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 Face 1. Sign face - 3mm thick aluminium with a white retro-relective film. Graphics in Plotter cut RAL:5013 Exterior grade opaque vinyl pasted over white retro-relective vinyl pasted over 3mm thick aluminium sheet. 2. Sign frame - M.S. frame 50x50x3mm wide, hotdipped galvanized 3. Sign structure - M.S. hollow box section 75x75x3mm and mounting square sections, hotdipped galvanised and PU Painted to match RAL 9006 grouted in ground. All hardware used for ixing of sign shall be Stainless steel. Secret ixing methods should be used to fix parts together. 4. Base plate - 300x300x10 mm thick plate mounted on the flooring. 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. The actual structural design of the sign for its stability shall be responsibility of the EPC contractor and shall be designed with due consultation and approval from structural designer. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws , rivets, bolts, washers, nuts, etc. complete as per drawing. (Note: Signs placed on internal roads and landscape of Airport to align and manage pedestrian movement.)				
1.41	1.3b, Message-3, (Single/Double Sided) (Size 2100 mm x 780 mm.)	2	Nos	46800.00	93600.00
1.42	1.3b, Message-4, (Single/Double Sided) (Size 2100 mm x 1040 mm.)	1	No.	62100.00	62100.00
1.5	Traffic Statutory Sign Sign Type 1.4a Refer design drawing 1.4a 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 Face: Providing and fixing sign face panels 3 mm thick Aluminium sheet fixed to sign structure. White retro-reflective vinyl pasted over edge to edge aluminium sheet. Graphics in plotter cut red Pantone 485C and black Pantone 6C exterior grade opaque vinyl pasted over white retroreflective vinyl. Sign Structure: MS square post 50x50x3mm thick hotdipped galvanised and P.U. painted to match RAL 9006 grouted in ground. The actual structural design of the sign for its stability shall be responsibility of the EP Ccontractor. Secret fixing methods should be used to fix parts together. Foundation: Providing and laying foundation for the sign including its compaction and all activities like Excavation, PCC base layer, providing and fixing in position 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. (Sign Size as per TATA Elxsi standards)	20	Nos	11700.00	234000.00

Handwritten signature/initials

Handwritten signature/initials

S.No.	Item Description	Quantity	Unit	Rate	Amount
1.6	Entry / Exit Announcer Sign Type 1.6b Sign Type: Entry/ Exit Announcer Refer design drawing: 1.6b 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 contractor. All hardware used for fixing of sign shall be Stainless steel. Secret fixing methods should be used to fix parts together.	8	Nos	27000.00	216000.00
1.7	Facility Announcers -Floor Mounted (Four Sided) Sign Type 1.7a Refer design drawing 1.7 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. Blackout 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 x 3mm, 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.The actual structural design of the sign for its stability shall be responsibility of the EP Contractor. Secret fixing methods should be used to fix parts together. Lighting: All internal illumination shall be using Power LED 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. 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. (Size as per TATA Elxsi standards)	6	Nos	22500.00	135000.00

S.No.	Item Description	Quantity	Unit	Rate	Amount
1.8	Sign Type Code: 1.7d Sign Type: Facility Announcers -Passenger Amenities Refer design drawing: 1.7d 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 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. (Size as per TATA Elxsi standards)	1	Nos	72000.00	72000.00
1.9	Terminal Building Announcer (With Structure) Sign Type 1.8 Refer design drawing 1.8 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. complete face shall be covered with translucent vinyl film to match Blue Pantone 541C. Back Channel The channel letters would be made out of 3 mm thick aluminium to receive the front acrylic and house the controller and LEOs with keeping face of the letters 10mm recessed as per drawing. The letter height shall be 900 mm. All the letters would be made in profile to achieve true right angle. All mounting would be done in true plumb and using templet, keeping the alignment of the letters in one level. Spacer Recommended for use for mounting the larger text on the glazing frame Lighting All internal illumination shall be using Power LED 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. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per drawing. MS Structure:- MS Structure using vertical member 100x100x3 mm and horizontal member 100x50x3 mm and Diagonal binding support of 100X100X3 mm structural drawing duly approved by structural consultant to be provided. (The Signage shall be "DEHRADUN AIRPORT" in Sanskrit (Devnagari script))	1	Nos	261000.00	261000.00

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S.No.	Item Description	Quantity	Unit	Rate	Amount
1.10	Terminal Building Announcer (Without Structure) Sign Type 1.8 Refer design drawing 1.8 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. complete face shall be covered with translucent vinyl film to match Blue Pantone 541C. Back Channel The channel letters would be made out of 3 mm thick aluminium to receive the front acrylic and house the controller and LEOs with keeping face of the letters 10mm recessed as per drawing. The letter height shall be 900 mm. All the letters would be made in profile to achieve true right angle. All mounting would be done in true plumb and using templet, keeping the alignment of the letters in one level. Spacer Recommended for use for mounting the larger text on the glazing frame Lighting All internal illumination shall be using Power LED 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. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per drawing. (Size 6100 mm. x 900 mm.) (The Signage shall be "DEHRADUN AIRPORT" in English (Roman script))	1	Nos	216000.00	216000.00
1.11	Terminal Building Announcer (Without Structure) Sign Type 1.8 Refer design drawing 1.8 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. complete face shall be covered with translucent vinyl film to match Blue Pantone 541C. Back Channel The channel letters would be made out of 3 mm thick aluminium to receive the front acrylic and house the controller and LEOs with keeping face of the letters 10mm recessed as per drawing. The letter height shall be 900 mm. All the letters would be made in profile to achieve true right angle. All mounting would be done in true plumb and using templet, keeping the alignment of the letters in one level. Spacer Recommended for use for mounting the larger text on the glazing frame Lighting All internal illumination shall be using Power LED 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. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per drawing. (Size 6100 mm. x 900 mm.) (The Signage shall be "DEHRADUN AIRPORT" in Hindi (Devnagari script))	1	Nos	216000.00	216000.00

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S.No.	Item Description	Quantity	Unit	Rate	Amount
2.1	Direction Signs - Ceiling Hung Directional Sign Sign Type Code: 2.1a Sign Type: Ceiling Hung Directional Sign Refer design drawing: 2.1a 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 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 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 - 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.				
2.1a	2.1a Message 1 (Size 2100 mm. x 260 mm.)	10	Nos	13500.00	135000.00
2.1b	2.1a Message 2 (Size 2100 mm. x 520 mm.)	6	Nos	22500.00	135000.00
2.1c	2.1a Message 3 (Size 2100 mm. x 780 mm.)	6	Nos	36000.00	216000.00
2.2	Sign Type: Floor Mounted Directional Signage Without FIDS 1. Sign Face- Graphics- plotter cut blockout vinyl pantone black 6C, vinyl for text pantone yellow C or Cyan 311C as per graphic, pasted over 3.5mm thick white translucent 040 acrylic. Graphics as per 2.1 2. Sign Frame- 70-80mm wide (top swing Open) aluminium extrusion with inbuilt frame to receive the sign face. The panel should be made easily openable for maintenance. 3. Sign Structure - All structure members in stainless steel Hollow box section 100x100x3mm brush finish, with 300x300x10mm 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. 4. Cover Plate- 2mm thick SS cover plate mounted on flooring. Secret fixing methods should be used to fix part together. 5. 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. The actual structure design of the sign for its stability shall be responsibility of the EPC 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. (Without FIDS)				
2.2a	2.1b-1 Message 4 (Size 2100 mm. x 1040 mm.)	1	No.	82800.00	82800.00
2.3	Sign Type: Floor Mounted Directional Signage (Single/ Double Sided) 1. Sign face - Graphics - Plotter cut Blockout vinyl Pantone Black 6C, vinyl for text Pantone Yellow C , Cyan 311C as per graphics, pasted over 3.5mm thick White translucent 040 acrylic. 2. Sign frame - 70-80mm wide (top swing Open) aluminium extrusion with inbuilt frame to receive the sign face. The panel should be made easily openable for maintenance. 3. Sign Structure: All Structural members in ss hollow box section 100x100x3mm brush finish, with 300x300x10mm base plate embedded below the floor finish and provided with a floor trim ring. All hardware used for fixing of sign shall be ss. Projection supported of small plates 8mm thick and tension rod with threaded ends and turnbuckles for adjustments. 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.				
2.3c	2.1b-3 3 Message (Size 2100 mm. x 780 mm.)	4	Nos	45900.00	183600.00
2.3d	2.1b-3 4 Message (Size 2100 mm. x 1040 mm.)	2	Nos	58500.00	117000.00

S.No.	Item Description	Quantity	Unit	Rate	Amount
2.4	Sign Type: Wall mounted directional sign Sign face:-Sign face shall be made in 3.5mm 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 70-80mm 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.				
2.4a	2.1c Message 1 (Size 2100 mm. x 260 mm.)	1	No.	13500.00	13500.00
2.4b	2.1c Message 2 (Size 2100 mm. x 520 mm.)	1	No.	22500.00	22500.00
2.4c	2.1c Message 3 (Size 2100 mm. x 780 mm.)	1	No.	36000.00	36000.00
2.4d	2.1c Message 4 (Size 2100 mm. x 1040 mm.)	1	No.	45000.00	45000.00
2.4e	2.1c Message 5 (Size 2100 mm. x 1300 mm.)	1	No.	54000.00	54000.00
2.5	Sign Type: Wall Projected Directional Signage Sign Type Code: 2.1d Sign Type: Wall Projected directional sign Refer design drawing: 2.1d (Single/ Double Sided) 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 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.				
2.5a	2.1d Message1 (Size 2100 mm. x 260 mm.)	1	No.	18000.00	18000.00

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S.No.	Item Description	Quantity	Unit	Rate	Amount
3.1	Wall Mounted Facility Announcer Sign Type -2.2a Refer design drawing 2.2a 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 3.5mm 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 Cor Cyan 311C as per graphics and of specified make duly approved by the Engineer-in-Charge. Sign Frame Providing and fixing sign frame 70-80mm 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. 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. 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. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per drawing. (Sign Size as per TATA Elxsi standards)	12	Nos	8100.00	97200.00
3.2	Door Mounted Facility Announcer Sign Type- 2.2c Refer design drawing 2.2c 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: Sign face shall be made in 3.5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Blockout vinyl. The Plotter cut 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 25 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. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per drawing. (Sign Size as per TATA Elxsi standards)	16	Nos	2250.00	36000.00
3.3	Ceiling Hung Counter No. Non-Lit Sign face Sign face shall be made in 3mm thick ACP having graphics pasted in Plotter cut vinyl. The Plotter cut vinyl colour Pantone C for text colour Pantone Black 6C as per graphics and of specified make duly approved by the Engineer-in-Charge. Sign face shall be provided with through and through cutout to accommodate 32" FIDS. Sign Frame Providing and fixing Stainless steel 304 25x25x1mm Hollow sections of required length & height with adjustable method mounted on existing FIDS Frame. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per Engineer-in-Charge. (Sign Size as per TATA Elxsi standards)	36	Nos	2700.00	97200.00

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DRIVEN

S.No.	Item Description	Quantity	Unit	Rate	Amount
3.4	Boarding Gates -Wall Mounted 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 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. 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. Accessories - Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per design drawing.				
3.4a	2.2g-3 Message1 (Sign Size 2100 mm. x 260 mm.)	8	Nos	13500.00	108000.00
3.4b	2.2g-3 Message1 (Sign Size 1800 mm. x 600 mm.)	4	Nos	27000.00	108000.00
4.1	Washroom I Drinking Water I Baby care Sign Type -2.4a Refer design drawing 2.4a 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 3.5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Blackout vinyl. The Plotter cut blackout vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone Cyan 311C as per graphics and of specified make duly approved by the Engineer-in-Charge. Sign Frame Providing and fixing sign frame 70-110mm 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. 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. 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. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per drawing. (Sign Size as per TATA Elxsi standards)				
4.1a	2.4a2 -Wall mounted (Single side content -Sign Face: acrylic, and Back: 3mm ACP)	24	Nos	8100.00	194400.00
4.1b	2.4a2 -Wall Projected (Single side content -Sign Face: acrylic, and Back: 3mm ACP)	10	Nos	8100.00	81000.00
4.2	Service Areas Sign Type -2.4b Refer design drawing 2.4b 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/caddings/ panellings using VHB Tape (Sign Size as per TATA Elxsi standards)	20	Nos	450.00	9000.00

S.No.	Item Description	Quantity	Unit	Rate	Amount
4.3	Lift No. Sign Sign Type -2.4c Refer design drawing 2.4c 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 3.5mm thick 040 white acrylic (as specified) having graphics pasted in Plotter cut Blackout vinyl. The Plotter cut blackout vinyl shall match the specified colour (colour Pantone Black 6C) and vinyl for text Pantone Cyan 311C as per graphics and of specified make duly approved by the Engineer-in-Charge. Sign Frame Providing and fixing sign frame 70-80mm 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. The panel should be made easily openable for maintainance. 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. 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. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per drawing. (Sign Size as per TATA Elxsi standards)				
4.3a	2.4 c2 Wall mounted (Single side content- Sign Face: acrylic, and Back: 3mm ACP)	9	Nos	7200.00	64800.00
5.1	Sign Type-2.5 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/calldings/ panellings using VHB Tape (Sign Size as per TATA Elxsi standards)				
5.1a	Poster Size A2 Sign Type -2.5b Refer design drawing 2.5b G	2	Nos	2700.00	5400.00
5.1b	Poster Size A3 Sign Type - 2.5c Refer design drawing 2.5c G	1	Nos	1350.00	1350.00
5.1c	Poster Size A4 Sign Type -2.5d Refer design drawing 2.5d G	1	Nos	675.00	675.00
6.1	Emergency Direction Signs - Illuminated Sign Type- 2.6a Refer design drawing 2.6a 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 3.5mm thick Laminated acrylic (as specified) having graphics pasted on the inside with translucent white vinyl pasted over plotter cut Translucent vinyl. The Plotter cut translucent vinyl to match the specified colour (colour Pantone XXXX) and of specified make duly approved by the Engineer-in-Charge. Sign Box The sign box 70-80 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 Mesh from inside for ventilation. Complete sign box including channel supports are to be powder coated to match RAL9016. Sign box flange receiving the sign face shall be provided with slots to receive the rivets to fix the sign frame. 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. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per drawing. (Sign Size as per TATA Elxsi standards)				
6.1a	2.6a-1 Exit	10	Nos	10800.00	108000.00
6.1b	2.6a-2 Emergency Exit	10	Nos	16200.00	162000.00

S.No.	Item Description	Quantity	Unit	Rate	Amount
6.2	Emergency Signs - Photoilluminiscent Sign Type -2.6b Refer design drawing 2.6b Providing and fixing all Photoluminiscent signs in the dedicated fire escape passages of the airports as per locations given in sign schedules, made of screen printing using artworks provided and with photoluminiscent material as per technical specifications. Screen printing shall be done on self adhesive vinyl and pasted on 2mm thick powdercoated white (RAL 9016) aluminium plate and fixed at location using screws. as per specification and using provided artwork including all operations from procuring the correct materials and made to sizes as specified and approved by the Engineer-in-charge. including all installation activities like marking, alignment and fixing with screws into the wall/cladding/face to the satisfaction of the Engineer-in-Charge. (Sign Size as per TATA Elxsi standards)				
6.2a	2.6b-1 - FHC, Fire Alarm, Fire Extinguisher	45	Nos	450.00	20250.00
6.2b	2.6b-2 - Fire doors inside	2	Nos	450.00	900.00
6.2c	2.6b-3 - Fire doors outside	2	Nos	450.00	900.00
6.2d	2.6b-4 - At lifts	4	Nos	900.00	3600.00
6.2e	2.6b-5- Emergency escape direction sign	10	Nos	1440.00	14400.00
6.3	Direction to assembly point Sign Type -2.6c-1 Refer design drawing 2.6c Providing and fixing Non-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 Signs graphics in exterior grade plotter cut opaque vinyls, made of screen printing using artworks provided and with photoluminiscent 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 75x75x3 mm 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. (Sign Size as per TATA Elxsi standards)	5	Nos	23400.00	117000.00
6.4	Assembly point Sign Type -2.6c-2 Refer design drawing 2.6c Providing and fixing Non-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 Signs graphics in exterior grade plotter cut opaque vinyls, made of screen printing using artworks provided and with photoluminiscent 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 75x75x3 mm 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. (Sign Size as per TATA Elxsi standards)	2	Nos	23400.00	46800.00

S.No.	Item Description	Quantity	Unit	Rate	Amount
6.5	Emergency Signs -Fire life safety layout Sign Type -2.6d Refer design drawing 2.6d Providing and fixing all Photoluminescent signs in the dedicated fire escape passages of the stations as per locations given in sign schedules, made of screen printed signs on white vinyl pasted over a 2mm thick aluminium sheet powder coated in White (RAL 9016) as per specification and using provided artwork including all operations from procuring the correct materials and made to sizes as specified and approved by the Engineer-in-charge. including all installation activities like marking, alignment and fixing with screws into the all/cladding/face to the satisfaction of the Engineer-in-Charge. (Sign Size as per TATA Elxsi standards)	10	Nos	4500.00	45000.00
7	Providing Plotter cut Blockout vinyl on existing internal signages after removing vinyl stickers/ films pasted on them. The jobwork include removing connections (in case of illuminated signages) , dismantling of signages, removing vinyl stickers/ films pasted on existing signage, duly cleaning the base sheet, properly pasting new vinyl signages, refixing the signages, reinstallation and making the connection (in case of illuminated signages) in an approved manner. The Plotter cut blockout vinyl shall match the specified colour as prescribed for background and text as per graphics, as per site requirement and as directed by Engineer-In-Charge. The vinyl shall be of specified make duly approved by the Engineer-in- Charge.	50	Sq. Mtr.	4500.00	225000.00
8	Providing white retro-reflective film and Graphics in Plotter RAL:5013 Exterior grade opaque vinyl pasted over white retro-relective vinyl after removing signage films froms existing external signage including all ancillary works such as dismantling, removing old films/ vinyl, cleaning base sheet, pasting new films/ vinyl, reinstallationg the signages etc. as required. The graphics and make of vinyl/ films shall be as approved by the Engineer-In-Charge.	10	Sq. Mtr.	5400.00	54000.00
Total Amount (excluding GST)					5675175.00

Rupees Fifty Six Lakhs Seventy Five Thousand One Hundred Seventy Five only (Excluding GST)

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PM/FA

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11/11/2024

**Assistant General Manager (Engg.-E.)
AAI, Dehradun Airport**