

संदर्भ सं.: भा.वि.प्रा./BBSR/ उप महाप्रबंधक (अभि - विद्युत)/WO-54/2022-23/2/80 - 88 दिनांक: 31.03.2023.

सेवा में/To,

स्पीडपोस्ट द्वारा / By Speed Post

e-mail: mirageadworld@gmail.com

मेसर्स मिराज आडवटाइजिंग वर्ल्ड

M/s Mirage Adverting World

प्लॉट नंबर: -280(470/1), दूसरी मंजिल,

Plot No:-280(470/1), 2nd Floor

शिवाजी मार्केट, पीतमपुरा

Shivaji Market, Pitampura

नयी दिल्ली -110034/ New Delhi:-110034.

कार्य का नाम : कनस्ट्रक्शन अफ लिंक बिल्डिंग बिटवीन टर्मिनल टी१ एंड टर्मिनल टी२ फर इंटीग्रेटेड ऑपरेशन्स यूजिंग पैसंजर बोर्डिंग ब्रिज फैसिलिटी एंड एक्स पानसन / रेनोवेशन वर्क अफ टर्मिनल टी-२ एट बी.पि.आई. एयरपोर्ट, भुवनेश्वर। एस.एच: प्रोविजन अफ एडिशनल वे फाइंडिंग साईनजेस ।

Name of Work: Construction of Link Building Between Terminal T1 & Terminal T2 for Integrated Operations Using Passenger Boarding Bridge Facility and Expansion/Renovation Work of Terminal T-2 at B.P.I. Airport, Bhubaneswar. SH: Provision of additional way finding signages..

महोदय/Dear Sir(s),

Ref: Your e-Tender opened dated 20.03.2023 for Tender ID No. 2023_AAI_144753_1.

1. उपरोक्त कार्य के लिए आपकी निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आप द्वारा उद्धरित मद दर जिसकी कुल राशि रु. 34,29,769.00 (चौतीस लाख उनतीस हजार सात सो उनहतर रुपया मात्र) जीएसटी को छोड़कर जो कि निविदा की अनुमानित लागत रु. 47,43,802.00. से 27.70% कम है, स्वीकृत की जाती है।

Your e-Tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at item rates quoted by you totaling to Rs.34,29,769.00 (Rupees Thirty Four Lakhs Twenty Nine Thousand Seven Hundred and Sixty Nine Only) Excluding GST which is 27.70% (Twenty Seven Point Seven Zero Percent) below the Justified cost of Rs.47,43,802.00.

2. उप महाप्रबंधक (अभि-विद्युत), भारतीय विमानपत्तन प्राधिकरण, बी.प.अ. हवाई अड्डा, भुवनेश्वर इस कार्य के इंजीनियरिंग प्रभारी होंगे। आपसे अनुरोध है कि आप संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु दिनांक 10.04.2023 के अंदर उप महाप्रबंधक (अभि- विद्युत), भारतीय विमानपत्तन प्राधिकरण, बी.प.अ. हवाई अड्डा, भुवनेश्वर के कार्यालय में उपस्थित हों। संविदा करार रु 100/- (सौ रुपये मात्र) के न्यायिकेतर (नॉन ज्युडिशियल) स्टाम्प पेपर पर बनाया जाएगा और स्टाम्प पेपर की लागत आपको वहन करनी होगी।

Dy. General Manager Engg. (E), AAI, B.P. International Airport Bhubaneswar, shall be the Engineer-in-Charge of the work. You are requested to attend the office of the Dy. General Manager Engg. (E), AAI, B.P. International Airport, Bhubaneswar by 10.04.2023 to sign and complete the agreement.

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The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100.00 (Rupees One Hundred only) and the cost of stamp paper shall be borne by you.

3. कृपया इस पत्र के जारी होने के 10 दिन के भीतर सुरक्षा जमा के लिए रु. 3,42,977.00 (तीन लाख बयालीस हजार नौ सौ सतहतर रुपया मात्र) जमा करवा दें, ऐसा नहीं करने पर उक्त रकम संविदा दस्तावेज के पृष्ठ 16 पर दी गई शर्त 1A के अनुसार आपके रनिंग बिल से काट ली जाएगी।

Please deposit Rs. 3,42,977.00 (Rupees Three Lakhs Forty Two Thousand Nine Hundred and Seventy Seven Only) towards Security deposit within 10 days from the date of issue of this letter, failing which the same will be deducted as per conditions of Clause No - 1A page 16 of Clauses of the contract document.

4. आपसे अनुरोध है कि संविदा श्रमिक (विनियमन एवं समापन) अधिनियम 1970 और संविदा श्रमिक (विनियमन एवं समापन) केन्द्रीय नियमावली 1971 बाल श्रम (निषेध और विनियमन) अधिनियम 1986, निर्माण वर्कर्स (रोजगार और सेवा की शर्त का विनियमन) अधिनियम 1996, भवन और अन्य निर्माण श्रमिक कल्याण अपकर अधिनियम 1996 जैसा कि निविदा के जीसीसी के पृष्ठ संख्या 68 पर धारा 19 में जीसीसी आफ निविदा निर्दिष्ट है तथा केंद्रीय और राज्य सरकारों के नियमों का अनुपालन करें।

You are requested to comply with the provisions of Contract Labour (Regulation & Abolition) Act of 1970 and Contract Labour (Regulation and Abolition) Central Rules-1971 Child Labour (Prohibition & Regulation) Act 1986, Construction Workers (Regulation of Employment and Condition of Service) Act 1996, Building and other construction Workers Welfare cess Act 1996 as specified in Clause-19 On Page No.68 of GCC of Tender and rules of Central and State Governments.

5. आपको निदेश दिए जाते हैं कि आप वरिष्ठ प्रबंधक (अभी.-विद्युत), भारतीय विमानपत्तन प्राधिकरण, बी.प.अ. हवाईअड्डा से तत्काल सम्पर्क करें जो कि आपको कार्यस्थल हस्तान्तर करने की व्यवस्था करेंगे।

You are also directed to contact the Sr.Manager Engg (E), AAI, B.P. International Airport, Bhubaneswar immediately, who will arrange to handover the site to you.

6. पया यह नोट कर लें कि काम पूरा करने का समय 03 (तीन) महीने है, जिसे इस पत्र के जारी होने की तारीख से 10 दिन बाद गिना जाएगा।

Please note that the time allowed for carrying out the work shall be Three (03) Months and same shall be reckoned from 10th day after the date of issue of this letter.

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7. कृपया ध्यान दें कि त्रुटि की देयता अवधि कार्य पूरा होने की तारीख से चौबीस महीने की होगी।

Please note that the defect liability period shall be **Twenty Four Months** from the date of completion of work.

8. संविदा के संबंध में आगे किया जाने वाला पत्राचार सामान्यतः प्रभारी इंजीनियर से किया जाए।

Any further correspondence in connection with the contract should normally be addressed to the Engineer - in - Charge.

9. कृपया इस पत्र की पावती भेजें तथा साथ में संलग्न इस पत्र की दूसरी प्रति पर स्वीकारोक्ति के रूप में विधिवत हस्ताक्षर करके हमें वापस भेजें।

Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to undersigned as a token of acceptance.

धन्यवाद / Thanking you,

भवदीय / Yours Faithfully,

 31/03/2023

उप महाप्रबंधक (अभी. - विद्युत)/Dy.GM. Engg. (Elect.)

भा.वि.प्रा., बी.प.अ. हवाईअड्डा, भुवनेश्वर / AAI, B.P. I. Airport, Bhubaneswar

कृते अध्यक्ष, भाविप्रा, नई दिल्ली

संलग्न / Encl: 1. शिड्यूल ऑफ क्वान्टिटीज / Schedule of quantities.

Copy to:-

N.O.O. (External) :

1. Labour Commissioner (Central), Kendriya Shrama Sadan, Plot no. N-7/6 & 7, IRC Village, Behind ISCON Temple, Nayapalli, Bhubaneswar - 15, Odisha.
2. Regional Provident Fund Commissioner, Vabisyanidhi Bhawan, Janpath, Unit IX, Bhubaneswar, Odisha.
3. The Regional Commissioner, Employee State Insurance Corporation, Panchadeep Bhawan, Janpath, Unit IX, Bhubaneswar, Odisha.



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

विद्युत अभियांत्रिकी अनुभाग
ELECTRICAL ENGINEERING WING

आंतरिक / Internal :

1. विमानपत्तन निदेशक, भा.वि.प्रा., बी.प.अ. हवाईअड्डा, भुवनेश्वर।
The Airport Director, AAI, B.P. International Airport, Bhubaneswar.
2. संयुक्त महाप्रबंधक (वित्त व लेखा), भा.वि.प्रा., बी.प.अ. हवाईअड्डा, भुवनेश्वर।
The Jt. General Manager (F&A), AAI, B.P. International Airport, Bhubaneswar
3. वरिष्ठ प्रबंधक (अभि. - विद्युत) भा.वि.प्रा., बी.प.अ. हवाई अड्डा, भुवनेश्वर।
The Sr. Manager (Engg. - Elect), AAI, B.P. International Airport, Bhubaneswar
4. अनुबन्ध फाइल / Agreement Copy.
5. कार्य फाइल / The Works File.

 31/03/2023

उप महाप्रबंधक (अभि. - विद्युत)/Dy.GM. Engg. (Elect.)
भा.वि.प्रा., बी.प.अ. हवाईअड्डा, भुवनेश्वर / AAI, B.P. I. Airport, Bhubaneswar
कृते अध्यक्ष, भाविप्रा, नई दिल्ली

AIRPORTS AUTHORITY OF INDIA
ELECTRICAL ENGINEERING WING
B.P.I AIRPORT, BHUBANESWAR
Schedule of Quantity

Name of Work: Construction of Link Building Between Terminal T1 & Terminal T2 for Integrated Operations Using Passenger Boarding Bridge Facility and Expansion/Renovation Work of Terminal T-2 at B.P.I. Airport, Bhubaneswar. SH: Provision of additional way finding signages.

Item No	Description of Items	Unit	Qty	Rate	Amount
1	1.4a Traffic Statutory Sign Drg. No. 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 (Provided by AAI) MS square post 50x50, hotdipped galvanised and powder coated to match RAL 9006 grouted in ground. All hardware used for fixing of sign shall be Stainless steel. 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 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. Note: Rate to be Quoted by agency shall be Excluding MS square post 50x50 for Sign Structure as same shall be provided by AAI	Each	4	20000.00	80000.00
2	1.6b Entry / Exit Announcer. Drg. No. Refer design drawing 1.6b-S, 1.6bG Type A 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 Portal : The portal frame is site dependent. Wherever existing portal exists, the portal to have Yellow Pantone Yellow C opaque vinyl stuck over. In case of no portal, 50mm wide portal has to be fabricated from 3mm thick ACP, with Yellow Pantone 116C Vinyl Stuck over it. Sign Structure (in case of no portal) The internal structural frame to be made from 50 mm MS box section hot-dipped galvanized PU Painted in colour RAL 9006. Sign Letters 50mm thk 3D cut letters in black glossy acrylic. 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.	Each	3	76500.00	229500.00
3	1.7a Facility Announcers - Floor Mounted Drg. No. 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 Entire Sign face all 4 sides, White translucent 040 acrylic, 5mm thick with backlighting. Graphics - Plotter cut vinyl Pantone Yellow C, Blockout vinyl for text Pantone Black 6C, pasted over acrylic with white diffuser film on inside face. Bottom Panel Bottom MS Panel powder coated in colour to match Vinyl Black of Pantone Black 6C. Sign Structure (Provided by AAI) M.S. hollow box section 75x75 hotdipped galvanised and PU Painted to match RAL 9006 fixed to ground. 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. Lighting All internal illumination shall be using Power LED Lights with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws , rivets, bolts, washers, nuts, etc. complete as per drawing. Note: Rate to be Quoted by agency shall be Excluding MS square post 50x50 for Sign Structure as same shall be provided by AAI .	Each	4	45000.00	180000.00

31/03/2023

टी. के. बाला / T. K. BALA
उप महाप्रबंधक (अभि विद्युत) / OGM (Engg-Elect.)
भारतीय वि. प्र. अ. ब. भवन, भुवनेश्वर-751020
B.P.I. Airport, Bhubaneswar-751020

Item No	Description of Items	Unit	Qty	Rate	Amount
1	2	3	4	5	6
4	1.7b Facility Announcers - Wall Mounted Drg. No. Refer design drawing 1.7bS, 1.7b-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 Face Graphics - Plotter cut Blockout vinyl Pantone Yellow C, vinyl for text Pantone Black 6C as per graphics, pasted over 8mm thick White translucent 040 acrylic. Sign Structure 25mm aluminium extrusion inbuilt frame to receive the sign face. The panel should be made easily openable for maintenance. Accessories: Providing and fixing supporting MS angle/ structure to hold the letters on the fascia including all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, scaffolding and other arrangement as per site for installation of the signages etc. complete as per required at site.	Each	4	14000.00	56000.00
5	1.8 Terminal Building Announcer i) The content shall be "BIJU PATNAIK INTERNATIONAL AIRPORT, BHUBANESWAR" in the following languages as in 5.01, 5.02 and 5.03 for city side Drg. No. 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 White translucent 040, 5mm thick acrylic. complete face shall be covered with translucent vinyl film to match Blue Pantone 541C. Back channel A channel made out of minimum 1.6 mm thick aluminium sheet 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 EPC contractor in coordination with the glazing detail at specific locations as proposed in the 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. Lighting : All internal illumination shall be using Power LED Lights with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Accessories: Providing and fixing supporting MS angle/ structure to hold the letters on the fascia including all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, scaffolding and other arrangement as per site for installation of the signages etc. complete as per required at site.				
a	ODIA	Set	1	362300.00	362300.00
b	HINDI	Set	1	362300.00	362300.00
c	ENGLISH	Set	1	362300.00	362300.00
6	1.8 Terminal Building Announcer ii) The content shall be "BHUBANESWAR" in the following languages as in 6.01, 6.02 and 6.03 for Air side Drg. No. 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 White translucent 040, 5mm thick acrylic. complete face shall be covered with translucent vinyl film to match Blue Pantone 541C. Back channel A channel made out of minimum 1.6 mm thick aluminium sheet 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 EPC contractor in coordination with the glazing detail at specific locations as proposed in the 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. Lighting : All internal illumination shall be using Power LED Lights with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Accessories: Providing and fixing supporting MS angle/ structure to hold the letters on the fasci including all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per required at site.				
a	ODIA	Set	1	100700.00	100700.00
b	HINDI	Set	1	100700.00	100700.00
c	ENGLISH	Set	1	100700.00	100700.00


31/03/2023
टी. के. बाला / T.K. BALA
उप महाप्रबंधक (अभि विपुल) / DGM (Engg.-E&C)
आविप्र/वि.प.अं.उ.कां.अनु., भुवनेश्वर-751020
A.N.B.P.I.Airport, Bhubaneswar-751020

Item No	Description of Items	Unit	Qty	Rate	Amount
1.	2	3	4	5	6
7	2.1a/2.1d Directional Sign (Ceiling Hung / Wall Projected) Drg. No. Refer design drawing 2.1aS, 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 Graphics - Plotter cut Blockout vinyl Pantone Black 6C, vinyl for text Pantone Yellow C or Cyan 311C as per graphics, pasted over 8mm thick White translucent 040 acrylic. Sign Frame 50mm wide aluminium extrusion with inbuilt frame to receive the sign face. The panel should be made easily openable for maintainance. Sign Structure Framework of aluminium 25mmx 25mm hollow square sections. Ceiling hung suspender: Providing and fixing Stainless steel 25x25mm Hollow sections mounted on slabs/beams/walls. OR Wall Projection: Projection supported of small plates 8mm thick and tension rod with threaded ends and turnbuckles for adjustments. Secret fixing methods should be used to fix parts together All hardware used for fixing of sign shall be Stainless steel. 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. 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. 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.	Each	3	65000.00	195000.00
8	2.1b-1 Floor Mounted Directional Sign without FIDS Drg. No. Refer design drawing 2.1b -1-S, 2.1B - 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 satisfaction of the Engineer-in-Charge. Sign face Graphics - Plotter cut Blockout vinyl Pantone Black 6C, vinyl for text Pantone Yellow C or Cyan 311C as per graphics, pasted over 8mm thick White translucent 040 acrylic. Sign Frame Providing and fixing sign frame 50mm wide aluminium extrusion with inbuilt frame to receive the sign face. The panel should be made easily openable for maintainance. Sign Structure (Provided by AAI) All structural members in Stainless steel Hollow box section 100x100 brush finish, 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. 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. Cover Plate: 5mm thk ss cover plate mounted on flooring. Secret fixing methods should be used to fix parts together. 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 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: Rate to be Quoted by agency shall be Excluding MS square post 50x50 for Sign Structure as same shall be provided by AAI	Each	4	50000.00	200000.00
9	2.1c Wall Mounted Directional Sign Drg. No. 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: Graphics - Plotter cut Blockout vinyl Pantone Black 6C, vinyl for text Pantone Yellow C or Cyan 311C as per graphics, pasted over 8mm thick White translucent 040 acrylic. Graphics as per 2.1 Sign Structure 50mm wide 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 EPC contractor and shall be designed with due consultation and approval from structural designer. 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. 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.	Each	4	25000.00	100000.00


31/03/2023
टी. के. बाला / T. K. BALA
उप महाप्रबंधक (अभि विपुल) / D.M. (Engg-Elect.)
भाविप्रा/वि.प.अ.ईआईएड, पुणे-411002
B.I. Airport, Dhulewad-751020

Item No	Description of Items	Unit	Qty	Rate	Amount
1	2	3	4	5	6
10	2.2a Wall Mounted Facility Announcer Drg. No. Refer design drawing 2.2a-S, 2.2a-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: Graphics - Plotter cut Blockout vinyl Pantone Black 6C, vinyl for text Pantone Yellow C or Cyan 311C as per graphics, pasted over 8mm thick White translucent 040 acrylic. Sign Frame 50mm wide aluminium extrusion with inbuilt frame to receive the sign face. The panel should be made easily openable for maintenance. 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. Lighting : All internal illumination shall be using Power LED Lights with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws , rivets, bolts, washers, nuts, etc. complete as per drawing.	Each	18	8000.00	144000.00
11	2.2b Wall Projected Facility Announcer Drg. No. Refer design drawing 2.2b-S, 2.2b-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: Graphics - Plotter cut Blockout vinyl Pantone Black 6C, vinyl for text Pantone Yellow C or Cyan 311C as per graphics, pasted over 8mm thick White translucent 040 acrylic. Sign Frame - 50mm wide aluminium extrusion with inbuilt frame to receive the sign face. The panel should be made easily openable for maintenance. 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. 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. 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. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws , rivets, bolts, washers, nuts, etc. complete as per drawing.	Each	20	8000.00	160000.00
12	2.2g - 3 Boarding Gates without LED/Digital Display (FIDS/Information Panel) Wall Mounted Drg. No. 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: Graphics - Plotter cut Blockout vinyl Pantone Black 6C, vinyl for text Pantone Yellow C or Cyan 311C as per graphics, pasted over 8mm thick White translucent 040 acrylic. Sign Frame 50mm wide aluminium extrusion with inbuilt frame to receive the sign face. The panel should be made easily openable for maintenance. 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. 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. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws , rivets, bolts, washers, nuts, etc. complete as per drawing.	Each	4	80000.00	320000.00
13	2.2h Belt No. sign Drg. No. 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. Material Specification Of Type 3 Sign face Entire Sign face all 4 sides, to be made of 8mm thk acrylic , with the letters/pictogram to match Pantone Black 6C and the rest of the vinyl to match Yellow Pantone Yellow C. To be mounted onto framework using appropriate fixing ties/bolts. Bottom panel Bottom MS Panel PU Painted in colour to match Vinyl Black of 95%(Pantone Black 6C) Sign Structure : Type Internal Structure of MS, fixed to Column using brackets. All internal illumination shall be using Light Guide Panels(preferred) or LED Strip Edge Lights with electronic controllers, having even spread and overlaps to avoid banding and dark spots. 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.	Each	2	30000.00	60000.00


टी. के. बाल 31/03/2023
उप महाप्रबंधक (अभि विद्युत) / DGM (Engg.-Elect.)
भाविप्र/वि.प.अ.रका/अका, भुवनेश्वर-751020
A.A.I.B.P.I.Airport, Bhubaneswar-751020

Item No	Description of Items	Unit	Qty	Rate	Amount
1	2	3	4	5	6
14	2.4a Washroom / Drinking Water / Baby care (Wall Mounted) Drg. No. 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 of Type 2, Wall Mounted Plotter cut Blockout vinyl Pantone Black 6C, vinyl for text Pantone Yellow C or Cyan 311C as per graphics, pasted over 8mmthk acrylic. Sign Internal Structure 50mm wide aluminium extrusion with inbuilt frame to receive the sign face. The panel should be made easily openable for maintainance. Lighting All internal illumination shall be using Power LED Lights with electronic controllers, having even spread and overlaps to avoid banding and dark spots. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws , rivets, bolts, washers, nuts, etc. complete as per drawing.	Each	35	6000.00	210000.00
15	2.4b Service Areas Drg. No. 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/calddings/ panellings using VHB Tape. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws , rivets, bolts, washers, nuts, etc. complete as per drawing.	Each	3	2000.00	6000.00
16	2.5e Statutory Sign Drg. No. Refer design drawing 2.5G-02 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 pasted on 3mm thick acrylic mounted on walls/ calddings/ panellings using VHB Tape. Note - The artworks are representative only. Please refer to the structural drawings for details. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws , rivets, bolts, washers, nuts, etc. complete as per drawing.	Each	11	2000.00	22000.00
17	2.6b Emergency Signs - Photoilluminiscent Signs Drg. No. Refer design drawing 2.6b-G Providing and fixing signs will be positioned along the escape routes to ensure that the route is clearly marked. This means - signs placed appropriately directing the escape path at every junction or change of direction on that route. If a long straight corridor or space is part of an escape route then it is usual to place repeater exit signs, at around 2.0 - 2.5 meter spacing. Signs are placed at a height above head-height so they can be clearly seen and will need to be above the height of doorways (at least 2.1m). Along long corridors spaced 3m and staggered on opposite walls. 1.2m above finished floor. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws , rivets, bolts, washers, nuts, etc. complete as per drawing.	Each	1	2268.85	2268.85
18	2.6d Emergency Signs - Fire Life Safety Layout Drg. No. Refer design drawing 2.6d-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 signs are digitally printed using artworks made specific to each locatino. Laminated Digital prints on photoluminiscent self adhesive film mounted on 3mm thick white acrylic plate. At location with available flat and non-porous surfaces like glass laminate panels, cladding- the printed vinyl can be applied directly. Artworks : The artworks will have to be made by the execution agency using inputs from consultants who have designed the emergency evacuation routs & firefighting equipment location. Placement : In passenger areas : Near frequently visited areas like toilets and prominently visible in large areas with seating or waiting and at high movement areas like escalators and staircases. On Level 1and 2 these are also placed near the access to the fire escape staircases. In Staff areas : Near toilets and at the access doors in long corri- dors. In Fire escape staircase : At Level L0 before exiting as reference for path to assembly areas. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per drawing. Accessories: Providing and fixing all accessories such as thimbles, end connectors, nut-inserts, screws, rivets, bolts, washers, nuts, etc. complete as per drawing.	Each	8	9500.00	76000.00

Total Rs. 3429768.85
Say 3429769.00

Note

1. GST Extra Applicable.
2. AAI GSTIN:-21AAACA6412D1ZK

(Rupees Thirty Four Lakhs Twenty Nine Thousand Seven Hundred and Sixty Nine Only)


31/03/2023

Dy. General Manager Engg(E)
AAI, B.P.I.Airport Bhubaneswar