



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

संख्या: भाविप्रा/गया/स.म.प्र.(अभि.-वि.)/डब्लु.ओ. -01/2020-21/705/

दिनांक: 15.06.2020

(स्पीड पोस्ट)

सेवा में,

To,

मै० वर्धमान एयरपोर्ट सोलुशन प्रा० लि०,
प्रथम और द्वितीय तल,
प्लॉट न० - 13/C & 13/3,
रामा रोड साइड, इण्डस्ट्रियल ऐरिया,
नजफगढ़ रोड,
नई दिल्ली- 110015

M/s Vardhman Airport Solutions Pvt. Ltd.,
1st & 2nd Floor,
Plot No. 13/C & 13/3,
Rama Road Side, Industrial Area,
Najafgarh Road,
New Delhi - 110015

E-mail:- anshul@vardhmanairports.com

विषय : गया एयरपोर्ट गया पर न्यू लिंकड टैक्सीवे और संबद्ध कार्यों के साथ एप्रोन का विस्तार ।

Subject:- Extension of apron with new linked taxiway and allied works at Gaya Airport, Gaya.

SH:- Electrical Works of LED taxi Lights and Allied Works.

संदर्भ : (i) Tender ID - 2020_AAI_42368_1

महोदय,

- उपर्युक्त कार्य हेतु आपकी ई-निविदा अध्यक्ष, भा०वि०प्रा० की ओर से एतद्वारा इस आधार पर स्वीकार की जाती है कि आपके द्वारा उद्धृत आइटम दरों पर कुल योग **26,95,482/-** रु० (छबीस लाख पन्चानवे हजार चार सौ बेरासी रुपये मात्र) है जोकि निविदा में दिये गये अनुमानित लागत **33,31,693/-** रु० से **19.10%** नीचे है।

Your e-tender for the work mentioned above is hereby accepted on behalf of the Chairman, AAI, at the item rates quoted by you totaling to **Rs. 26,95,482.00 (Rupees Twenty Six Lacs Ninety Five Thousand Four Hundred and Eighty Two Only)** which is **19.10%** below the estimated cost put to the tender of **Rs. 33,31,693.00**.

- सहायक महाप्रबंधक (अभि.-विद्युत), भा०वि०प्रा० गया हवाई अड्डा गया कार्य के प्रभारी अभियंता होंगे। कृपया आप स्वयं या अपने प्राधिकृत एवं संविदा-करार पर हस्ताक्षर करने में सक्षम प्रतिनिधि को हस्ताक्षर एवं करार पूरा करने हेतु सहायक महाप्रबंधक (अभि.-विद्युत) भारतीय विमानपत्तन प्राधिकरण, गया हवाई अड्डा गया के कार्यालय में **30.06.2020** तक भेजे। संविदा करार आप द्वारा उपलब्ध कराए गए **1000/-** रु (एक हजार रुपये) के गैर अदालती पक्के कागज पर सम्पादित किया जाएगा।

AGM (Engg.-Elect.), AAI, Gaya Airport, Gaya, shall be the Engineer-in-charge of the work. You are requested to attend or depute your accredited representative empowered to sign the contract agreement on your behalf to attend the office of AGM (Engg.-Elect.), AAI, Gaya Airport, Gaya by **30.06.2020** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value **Rs. 1000/- (Rupees One Thousand Only)** and cost of the stamp paper shall be borne by you.

- संविदा कागजात के पृष्ठ NIT-2 पर दर्ज शर्त-13 के अनुसार आपकी निविदा के साथ प्राप्त **66,634/-**रु० (छिआसठ हजार छः सौ चौतिस रुपये मात्र) की बयाना राशि को प्रतिभूति जमा राशि में परिवर्तित कर दिया

15.06.2020
अभि. विद्युत
G. M. (Engg. Elect.)
Gaya Airport
631-2210501-505

गया है। कृपया इस पत्र के जारी होने की तिथि से 10 दिनों के भीतर प्रतिभूति जमा राशि शेष 2,02,914/-रु0 (दो लाख दो हजार नौ सौ चौदह रुपये मात्र) जमा करें अन्यथा यह राशि आपके चालू बिलों से निविदा GCC पेज -16, Clause 1A के तहत काट ली जाएगी।

As per condition-13 on page NIT-2 of the contract documents, Earnest Money amount of **Rs 66,634/- (Rupees Sixty Six Thousand Six Hundred and Thirty Four Only)** received along with your tender has been converted as part of security deposit. Please deposit **Rs. 2,02,914/- (Rupees Two Lacs Two Thousand Nine Hundred and Fourteen Only)** towards security deposit within 10 days from the date of issue of this letter failing which, the same will be deducted from your running bills as per tender GCC page -16, Clause 1A.

- 4 आपसे अनुरोध है कि आप संविदा श्रम (नियमन व समापन) अधिनियम-1970 के प्रावधानों तथा संविदा श्रम (नियमन व समापन) केन्द्रीय नियम, 1971, एवं केन्द्र व राज्य सरकारों के तत्सम्बन्धी न्यूनतम मजदूर अधिनियम व नियमों का पालन करें।

You are requested to comply with the provisions of Contract Labour (Regulation & Abolition) Act. of 1970 and Contract Labour (Regulation & Abolition) Central Rules - 1971 & Minimum Wages Act., & rules thereof of Central and State Governments.

- 5 आपको यह निर्देश भी दिया जाता है कि प्रबंधक (अभि.-विद्युत)- II, भारतीय विमानपत्तन प्राधिकरण, गया हवाई अड्डा, गया से शीघ्र संपर्क करें, जो आपको कार्यस्थल सौंपने की व्यवस्था करेंगे। कृपया यह नोट किया जाए कि निविदा में की गई प्रविष्टि के अनुसार काम करने की अवधि (12) बारह महीने है, जिसकी गिनती इस पत्र के जारी होने की तिथि के बाद दसवें दिन से शुरू हो जाएगी।

You are also directed to contact the Manager (Engg-E)-II, Airports Authority of India, Gaya Airport, Gaya immediately who will arrange to hand over the site to you. Please note that the time allowed for carrying out the work as entered in the tender is (12) twelve months, which shall be reckoned from 10th day after issue of this letter.

- 6 आपकी निविदा एवं इस कार्य के संदर्भ में उल्लिखित पत्र, इस अवार्ड पत्र सहित करार का हिस्सा होंगे। कृपया नोट करें कि दोष दायित्व अवधि (12) बारह महीने होगी।

Your tender mentioned above under the reference for this work shall form part of the agreement along with this award letter. Please note that the defect liability period shall be (12) Twelve Months.

- 7 भविष्य में संविदा से संबंधित कोई भी पत्राचार सहायक महाप्रबंधक (अभि.-विद्युत), भारतीय विमानपत्तन प्राधिकरण, गया हवाई अड्डा, गया से किया जाए।

Any further correspondence in connection with the contract shall normally be addressed to the AGM (Engg.-E), AAI, Gaya Airport, Gaya.

- 8 कृपया पावती भेजें।

Please acknowledge the receipt of the same.

धन्यवाद,

संलग्न :- 1) मदों की सूची।

i) Schedule of Quantity

सहायक महाप्रबंधक (अभि.-वि.) (AGM (EE)
अध्यक्ष की ओर से और उनके लिए / For and on behalf of the Chairman

भा.वि.प्रा. / AAI, गया हवाई अड्डा / Gaya Airport
गया 823004
A.A.I., Gaya Airport, Gaya

(सैयद तनवीर अशरफ)

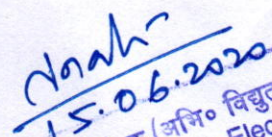
15.06.2020

**AIRPORTS AUTHORITY OF INDIA
ELECTRICAL ENGINEERING WING
GAYA AIRPORT, GAYA**

Bill of Quantity

Name of Work: Extension of apron with new linked taxiway and allied works at Gaya airport, Gaya. SH:- Electrical Works of LED Taxi Lights and Allied Works.

Sl.No	Description of Work / Item(s)	Qty	Unit	Rate	Amount
1	Supply of 6 sq.mm. 5KV grade PVC insulated & PVC sheathed stranded copper conductor single core airport lighting cable confirming IS:1554 (Part-II) with up to date amendment and confirming to technical specification etc. as required.	2250	Metre	67.00	150750.00
2	Supply of elevated blue colour LED type MIRL omni directional Taxiway Edge Light fitting suitable for use with series circuit of 2.8A - 6.6A, 50Hz CCR supply complete with LED, 360° optical head, breakable coupling, gasket, two pin leads, base plate with stainless steel bolts, spring & plain washer & other accessories etc. complete with all accessories as per ICAO standards etc. as required.	69	Each	4788.00	330372.00
3	Supply of 5KV grade plug & receptacle of type-I class B Connector & suitable field attachment suitable for following sizes 5KV grade PVC insulated PVC sheathed single core stranded copper conductor cable confirming to IS:1554 (Part-II) etc. as specified in technical specification as reqd. (a) 6 Sqmm	50	Each	372.00	18600.00
4	Supply of following capacity 5 KV grade, 50 Hz individual series to series Isolating Transformer encapsulated in polyester resin finally moulded with neoprene type rubber as specified in technical specification etc as required. (a) 45 W, 6.6/ 6.6Amps	30	Each	3024.00	90720.00
5	Installation, Testing and commissioning of elevated type taxiway MIRL fittings on the existing transformer housing boxes i/c removal of existing fitting, installation of transformer, lens, lamps gasket, nut bolts, lens holding clamp and other accessories i/c alignment, levelling, isolating transformer, connection, earth connection etc. all complete as required.	69	Each	300.00	20700.00
6	Laying 1 No. 6 sqmm. PVC insulated PVC sheathed unarmoured Copper conductor Airfield lighting cable of 5 KV grade direct in ground including excavation sand cushioning protective covering with bricks and back filling work etc complete as required. (Trench width shall be min 35cm and depth shall be 80cm.)	990	Metre	240.00	237600.00
7	Laying 1 No. additional cable of size 6 sq mm PVC insulated PVC sheathed unarmoured Copper conductor Airfield lighting cable of 5 KV grade direct in ground in the same trench in one tier horizontal formation including excavation sand cushioning protective covering with bricks and back filling work etc complete as required. (Additional trench width shall be made by 20 cm and depth shall remain 80 cm.)	200	Metre	216.00	43200.00
8	Laying of 1 No. 6 sq.mm PVC insulated PVC sheathed unarmoured Copper conductor Airfield lighting cable of 5 KV grade in the existing RCC / HUME / STONEWARE / METAL pipe/ as required.	625	Metre	24.00	15000.00
9	Making field connections by crimping 6 sq.mm. plug & receptacle with existing 6 sq.mm. single core PVC copper Conductor cable including filling the gap with water sealant material applying PVC insulation tape, HT Tape etc. complete as required.	50	Set	180.00	9000.00
10	Earthing with GI Pipe 4.5m long x 40mm dia with providing masonry enclosures on the top with cover plate having locking arrangement etc. (with charcoal or coke and salt) complete as required.	4	JOB	7200.00	28800.00
11	Providing and laying earth connections from earth electrode with 6 SWG dia G.I wire in 15mm dia G.I. pipe from earth electrode as required.	24	Metre	180.00	4320.00
12	Providing & fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing alongwith the existing surface/recessed/along with cable in cable trench/pipe as required.	2000	Metre	22.00	44000.00
13	Supply of following sizes HDPE pipe of PN-6, PE-100 grade as per relevant specification and approved make of AAI/approval from EIC etc. as required. (A) 63 mm dia.	180	Metre	107.00	19260.00
14	Laying of following sizes HDPE pipe in the excavated trench including fixing joints etc. complete as required. (A) 63 mm dia	180	Metre	60.00	10800.00
15	Cutting the bituminous/PCC Apron/road of upto 12 cm width and 20 cm depth with help of suitable tools & plants / manpower and disposal of debris upto 300 mtr suitable for laying of 63mm dia HDPE/GI Pipe etc complete as required.	200	Metre	360.00	72000.00
16	Making good the excavated trenches at road crossing, drain crossings or on paved surfaces by providing and laying cement concrete of grade 1:2:4 (1 cement:2coarse sand:4graded stone of aggregate 10mm to 20mm nominal size).	4.5	Cub. Mtr	6000.00	27000.00
17	providing and laying in position concrete 1:3:6 (1cement:3coarse sand :6 graded stone aggregate 20 mm nominal size) as required for making clear the surrounding areas.	6	Cumt.	5400.00	32400.00
18	Constructing brick masonry manhole chamber of minimum dimension 1.2m x 1.2m x 1.1m with medium class bricks in cement mortar 1:4 (1 cement : 4 coarse sand) R.C.C. top slab with mix 1:2:4 cement concrete (1cement : 2coarse sand : 4 graded stone of aggregate 20mm nominal size), foundation concrete 1: 4: 8 mix (1cement : 4 coarse sand : 8 graded stone of aggregate 40mm nominal size) in side plastering 12 mm thick with cement mortar 1:4 (1 cement : 4 coarse sand). The top slab/cover should be provided in a suitable size MS angle frame work at the edges.	4	Job	12000.00	48000.00


 स० महाप्रबंधक (असि० विद्युत)
 Asst. G.M. (Engg. Elect.)
 आ० नि० प्रा० / ग० हवाई अड्डा, ग०
 A.A.I., Gaya Airport, Gaya

19	Supply of internally illuminated LED based with central split type opening for easy maintenance mandatory /information signages of various sizes made out of 4mm thick glare free poly carbonate sheet at front.Body (all side except front) made out of 2.00 mm thick powder coated anodized aluminum profile having minimum width of 150mm and supported at back by 50mm dia (Normal size) die cast aluminum pipe at a seperation and fragile coupling as per ICAO norms . Light source shall be highly luminous , long life typical 50,000 Hrs , suitable number of LEDS of make (Osram / Philips /Nichia) assembled on each PCB of minimum size 700mm X 20mm x 2mm for boards having height 800mm or more .Efficiency of LED shall have delivered minimum output 110 Lumens per watt and colour temperature should be more than 5000 Kelvin with proper heat dissipation . These Aluminum PCB's should be placed across the length of the board . The signages boards with length varying from 800mm to 3000mm shall be suitable for operation on series circuit at variable current from 2.8Amps- 6.6 Amp (brightness of the signages should be uniform with current variation) including supply and installation of suitable capacity/wattage electronic convertors and isolating Transformers . All the signages shall have letters and symbols made by computerised cutting vinyl and pasting on the polycarbonate sheet from inside /outside of the sign face of required colour as per ICAO. (The details of signages required will be intimated during execution of work & will be as per ICAO).	20	Sqmt.	34058.00	681160.00
20	Installation , testing and commissioning of Operational guidance /information signages of various sizes at various locations at operational area of the airport. The signages should be installed in 1:2:4 grade cement concrete of 400X400X500mm (for the mounting legs) and a total base of 150mm thick which extends all around the boards with the distance of 1500mm (front , back and both the sides) . the concrete base and legs foundation should be on the same level and 20-25 mm above ground level) Measurement shall be of Plan area of concrete base.)	10	Sqmt.	7800.00	78000.00
21	Retrieving out carefully the laid in ground, charged and in operation PVC insulated and PVC sheathed/ XLPE power cable 1.1 V grade of following sizes from the ground (but excluding soil excavation) laid under the bricks & sand, cutting the cable for re-routing etc as required.				
21.1	3½ core x 185 Sqmm Power Cable	800	Meter	60.00	48000.00
21.2	3½ core x 150 Sqmm Power Cable	200	Meter	60.00	12000.00
21.3	3½ core x 120 Sqmm Power Cable	200	Meter	48.00	9600.00
21.4	4 core x 16 Sqmm Power Cable	200	Meter	24.00	4800.00
22	Excavation for cable trenches of depth upto 1.2m in soft soil including getting out the excavated soil and disposal of surplus excavated soil as directed.	150	Cumt	240.00	36000.00
23	Laying of one number PVC insulated and PVC sheathed XLPE power cable 1.1 KV grade/RC Cable of following sizes direct in ground including excavation sand cushioning, protective covering and refilling the trench etc as required.				
23.1	Above 95 sq. mm and upto 185 sq. mm	1200	Meter	348.00	417600.00
23.2	Upto 35 sq. mm	200	Meter	300.00	60000.00
24	Laying of one no. PVC insulated and PVC sheathed/ XLPE power cable of 1.1 KV grade/RC Cable of following sizes in the existing RCC/Hume/Stoneware/Metal/HDPE pipe etc. complete as required.				
24.1	Above 35 sq. mm and upto 185 sq. mm	800	Meter	30.00	24000.00
24.2	Upto 35 sq. mm	900	Meter	26.00	23400.00
25	Supplying and making STRAIGHT THROUGH cable jointing with heat shrinkable jointing kit , including ferrule and other jointing materials, for following size of PVC insulated and PVC sheathed/XLPE aluminium conductor/Copper Conductor cable of 1.1 KV grade as required.				
25.1	3½ core x 185 Sqmm, 1.1 KV Gade Power Cable	10	Nos.	2400.00	24000.00
25.2	3½ core x 150 Sqmm Power Cable	5	Nos.	2400.00	12000.00
25.3	3½ core x 120 Sqmm Power Cable	8	Nos.	2400.00	19200.00
26	Making end termination with existing PVC gland and providing aluminum lugs for 4 x 16 sqmm size of PVC insulated and PVC sheathed / XLPE aluminum conductor cable of 1.1 KV grade as required.	10	Each	420.00	4200.00
27	Erection of Existing Aluminium tiltable light pole in the RCC pedestal foundation with collar having overall size 1564mm(964mm+600mm)x410mmx410mm with base of size 100mm X1000mm X 150 mm and fixing of foundation bolts alongwith provision for installation of Loop in loop out box on suraface of collar by fixing on MS frame and supply & laying of 2 nos. 32mm PVC pipe of 1.5mtr for protection of cable including excavation, refilling and painting (Two or more coat) for the exposed portion of the pedestal with approved colour including installation of loop in loop out box complete etc as required as per instruction of Engg-Incharge.	8	Each	3000.00	24000.00
28	Dismantling of existing Aluminium tiltable swan neck perimeter light pole (approximately 5.0 mtr high) fixed on cement concrete foundation and removing out the MS hinge rearrangement, thermoplastic loop in loop out box with proper care for re installation of pole etc complete as required.	5	Nos.	3000.00	15000.00

2695482.00

Total excluding GST

(Rupees Twenty Six Lacs Ninety Five Thousand Four Hundred and Eighty Two Only)

(सैयद तनवीर अशरफ)

सहायक महाप्रबंधक (अभि-वि)/AGM (E-E)

अध्यक्ष की ओर से और उनके लिए /For and on behalf of the "Chairman"

भा.वि.प्रा. /AAI, गया हवाई अड्डा /Gaya Airport

सं. महाप्रबंधक (अभि-वि) /Asst. G.M. (Engg. Elect.)

भा.वि.प्रा. /गया हवाई अड्डा, गया /A.A.I., Gaya Airport, Gaya

823004

15.06.2020