



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

संख्या: भाविप्रा/गया / स.म.प्र.(अभि.-वि.)/डब्लु.ओ. -02/2020-21/722-39

दिनांक: 14.07.2020

(स्पीड पोस्ट)

सेवा में,

To,

मै0 प्रग्या ईलेक्ट्रिक एण्ड ईलेक्ट्रॉनिक कॉरपोरेशन
नियर रिलायन्स पेट्रोल पम्प,
सिविल लाईन्स,
राइबरेली- 229001

M/s Pragya Electric & Electronics Corpn.,
Near Reliance Petrol Pump,
Civil Lines,
Raebareli - 229001

E-mail:- (i) pragyaee1@rediffmail.com
(ii) pragyaee1@gmail.com

विषय : गया हवाई अड्डे, गया पर तकनीकी ब्लॉक सह नियंत्रण टॉवर का निर्माण।

(उपशीर्ष: डी.जी. सेट और उप-स्टेशन उपकरण का प्रावधान)

Subject:- Construction of Technical Block cum Control Tower at Gaya Airport, Gaya. (SH: Provision of D.G Sets & sub-station equipments).

संदर्भ : (i) Tender ID - 2020_AAI_43578_1

महोदय,

- उपर्युक्त कार्य हेतु आपकी ई-निविदा अध्यक्ष, भा0वि0प्रा0 की ओर से एतद्वारा इस आधार पर स्वीकार की जाती है कि आपके द्वारा उद्धृत आइटम दरों पर कुल योग **रु० 3,36,48,874/-** (तीन करोड़ छत्तिस लाख अड़तालिस हजार आठ सौ चौहतर रुपये मात्र) है जोकि निविदा में दिये गये अनुमानित लागत **रु० 4,00,42,475/-** से **15.97%** 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. 3,36,48,874.00 (Rupees Three Crore Thirty Six Lacs Forty Eight Thousand Eight Hundred and Seventy Four Only)** which is **15.97%** below the estimated cost put to the tender of **Rs. 4,00,42,475.00**.

- सहायक महाप्रबंधक (अभि.-विद्युत), भा0वि0प्रा0 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 **29.07.2020** तक भेजे। संविदा करार आप के द्वारा उपलब्ध कराए गए **1000/-** रु (एक हजार रुपया) 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 **29.07.2020** 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.

Signature
14.07.2020
सं. महाप्रबंधक (अभि. विद्युत)
Asst. G.M. (Engg. Elect.)
भा0वि0प्रा0 गया हवाई अड्डा, गया
Gaya Airport, Gaya
Ph: 631-2228884

- 3 संविदा के सामान्य शर्त पृष्ठ 16 पर दर्ज शर्त 1A के अनुसार आपकी निविदा के साथ प्राप्त **रु० 8,00,858 /- (आठ लाख आठ सौ अठावन रुपये मात्र)** की बयाना राशि को प्रतिभूति जमा राशि में परिवर्तित कर दिया गया है। कृपया इस पत्र के जारी होने की तिथि से 10 दिनों के भीतर प्रतिभूति जमा राशि शेष **रु० 25,64,029 /- (पच्चिस लाख चौंसठ हजार उन्नतिस रुपये मात्र)** जमा करें अन्यथा यह राशि आपके चालू बिलों से संविदा सामान्य शर्त 1A के तहत काट ली जाएगी।

As per clause 1A on page 16 of the General Conditions of Contract (GCC), Earnest Money amount of **Rs 8,00,858 /- (Rupees Eight Lacs Eight Hundred and Fifty Eight Only)** received along with your tender has been converted as part of security deposit. Please deposit **Rs. 25,64,029/- (Rupees Twenty Five Lacs Sixty Four Thousand and Twenty Nine 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 clause 1A of GCC.

- 4 आपसे अनुरोध है कि संविदा सामान्य शर्त 19, पेज 49 के अनुसार संविदा श्रम (नियमन व समापन) अधिनियम-1970 के प्रावधानों, संविदा श्रम (नियमन व समापन) केन्द्रीय नियम, 1971, एवं केन्द्र व राज्य सरकारों के तत्सम्बन्धी न्यूनतम मजदूर अधिनियम व एवं अन्य 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 etc. as specified in clause 19, on page 49 of GCC of tender and rules of central and state Government.

5. आपको यह निर्देश भी दिया जाता है कि प्रबंधक (अभि.-विद्युत)-I, भारतीय विमानपत्तन प्राधिकरण, गया हवाई अड्डा, गया से शीघ्र संपर्क करें, जो आपको कार्यस्थल सौंपने की व्यवस्था करेंगे।

You are also directed to contact the Manager (Engg-E)-I, Airports Authority of India, Gaya Airport, Gaya immediately who will arrange to hand over the site to you.

6. कृपया यह नोट किया जाए कि निविदा में की गई प्रविष्टि के अनुसार काम करने की अवधि **(06) छः महीने** है, जिसकी गिनती इस पत्र के जारी होने की तिथि के बाद **दसवें दिन से शुरू हो जाएगी।**

Please note that the time allowed for carrying out the work as entered in the tender is **(06) Six months**, which shall be reckoned from **10th day after issue of this letter.**

- 7 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.**

Handwritten: 14.07.2020
सं. महाप्रबंधक (अभि. विद्युत)
Asst. G.M. (Engg. Elect.)
आ. वि. प्रा. / गया हवाई अड्डा, गया
A.A.I., Gaya Airport, Gaya

- 8 भविष्य में संविदा से संबंधित कोई भी पत्राचार सहायक महाप्रबंधक (अभि.-विद्युत), भारतीय विमानपत्तन प्रधिकरण, 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.

- 9 कृपया पावती भेजें।

Please acknowledge the receipt of the same.

धन्यवाद,

संलग्न :- 1) मदों की सूची। (कुल 10 पेज)

i) Schedule of Quantity

(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
गया / Gaya 823004

14.07.2020

प्रतिलिपि- :

कृपया जानकारी के लिए -

- 1 संयुक्त महाप्रबंधक (अभियांत्रिक) पूर्वी क्षेत्र, भारतीय विमानपत्तन प्राधिकरण, ऑपरेशनल कार्यालय एन0 एस0 सी0 बी0 आई0 एयरपोर्ट, कोलकत्ता - 52।
- 2 संयुक्त महाप्रबंधक (वित्त), पूर्वी क्षेत्र, भारतीय विमानपत्तन प्राधिकरण, ऑपरेशनल कार्यालय एन0 एस0 सी0 बी0 आई0 एयरपोर्ट, कोलकत्ता - 52।
- 3 विमानपत्तन निदेशक भारतीय विमानपत्तन प्राधिकरण, गया हवाई अड्डा, गया।
- 4 श्रम प्रवर्तन अधिकारी, टेकारी रोड, पोस्ट औफिस, डेल्ला, गया- 823001
- 5 क्षेत्रीय भविष्य निधि आयुक्त, भव्य निधि भवन रोड न0 6, आर-ब्लॉक, पटना - 1
- 6 प्रबंधक (अभि.-विद्युत),- II भारतीय विमानपत्तन प्राधिकरण, गया हवाई अड्डा, गया।
- 7 प्रभारी (वित्त), भारतीय विमानपत्तन प्राधिकरण, गया हवाई अड्डा, गया।
- 8 करार प्रतिलिपि।
- 9 कार्यालय प्रतिलिपि।

(सैयद तनवीर अशरफ)

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

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

14.07.2020
A.A.I., Gaya Airport, Gaya

Airports Authority of India
Gaya Airport, Gaya
Bill of Quantity

Name of Work : Construction of Technical Block cum Control Tower at Gaya Airport, Gaya. (SH: Provision of D.G Sets & sub-station equipments)

Sr. No.	Description of Items	Qty.	Unit	Rate(Rs.)	Amount (Rs.)
1	Supplying of following size of XLPE insulated PVC sheathed armoured power cable of aluminium conductor confirming to IS: 7098 Part - II -1985 with latest amendments etc. as required. (a) 3 core X 300 Sqmm. - 33 KV Grade (E).	5000	Mtr.	1,700.00	8500000.00
2	Supply of HDPE Pipes of 160 mm dia as per IS: 4984 : 2016 of Material Grade : PE 63 & Pressure Rating of PN 8 etc as required.	4800	Mtr.	350.00	1680000.00
3	Making horizontal boring by HDD method suitable for laying of 160 mm dia. (min.) HDPE Pipe at a min. depth of 1.2 meter below the common ground surface level i/c drawing & laying of HDPE Pipe etc complete as required (Supply of HDPE pipe not included).	4800	Mtr.	800.00	3840000.00
4	Laying of one no. XLPE/PVC insulated PVC sheathed power cable of 33 KV of size exceeding 120 Sqmm but not exceeding 400 Sqmm in the existing RCC/hume/stone ware/GI/HDPE Pipe as required	4800	Mtr.	450.00	2160000.00
5	Laying of one no. XLPE/PVC insulated PVC sheathed power cable of 33 KV of size exceeding 120 Sqmm but not exceeding 400 Sqmm in the existing masonry open duct.	200	Mtr.	100.00	20000.00
6	Supplying and making straight through cable jointing with heat shrinkable jointing kit complete with all accessories including ferrules suitable for following size of 3 core, XLPE aluminium conductor cable of 33 kV grade as required.				
a)	3 core X 300 Sqmm.	8	Each	20,000.00	160000.00
7	Supplying and making cable route marker with cement concrete 1:2:4 (1 cement: 2 coarse: 4 graded stone aggregate 20 mm nominal size) of size 60 cm X 60 cm at the bottom and 50 cm X 50 cm at the top with a thickness of 10 cm including inscription duly engraved as required.	20	Each	300.00	6000.00
8	Constructing masonry Chamber 120x120x100 cm inside, in brick work with common burnt clay F.P.S bricks of class designation 7.5 in cement mortar 1:4 (1 cement : 4 coarse sand) and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design.	15	Each	1,200.00	18000.00
9	Supply, Installation, testing and Commissioning of indoor type 500 KVA, 3 Phase oil immersed natural cooled (ONAN) double wound with copper wire, continuous rated core type 33 KV/433 V, 50 Hz with off load tap changer +/- 7.5 % in 2.5% step transformer, delta connected on HT side and Star connected on LT side with vector group DYn11, cable box for HT & MV termination suitable for 33 KV, 3 core x 300 Sq.mm.XLPE cable on HT side and 1.1 KV, 3.5 core upto 400 Sq. mm cable connection arrangement on LT side complete with all accessories. Buchholz relay and first fill of filtered oil and confirming to IS:1180 Level 2 & additional specifications etc as required.	2	Job	9,00,000.00	1800000.00

naah
 सहायक (अभि. विद्युत)
 Asst. G.M. (Engg. Elect.)
 भा.वि.प्रा. / गया हवाई अड्डा, गया
 A.A.I., Gaya Airport, Gaya

02/10

14.07.2020
सं महाप्रबन्धक (अ.वि. विद्युत)
Asst. G.M. (Engg. Elect.)
भा.वि.प्रा० / गया हवाई अड्डा, गया
A.A.I., Gaya Airport, Gaya

3/10

Sr. No.	Description of Items	Qty.	Unit	Rate(Rs.)	Amount (Rs.)
	OUTGOING PANELS (a) 2 Nos.- 33 KV, 630 Amps, 25 KA three pole vacuum circuit breaker having rupturing capacity of 500 MVA having rear entry cable and box suitable to receive 3 core X 300 Sqmm 33 KV XLPE Cable alongwith the following accessory in each breaker panel. (b) 1600 Amps air insulated but encapsulated with PVC insulated heat shrinkable sleeves, Copper busbar on top portion of the panel (common for incoming and outgoing panel). (c) Necessary strip heaters with thermostat and an isolator suitable to operate on 230 V, 50 Hz, AC Supply for moisture absorption purpose. (d) 50/1+1A dual Ratio cast Resin CT having 15 VA output 5p 10 accuracy class for protection and class 0.5 for metering - 3 Nos./ or as per manufacturer's design as per site requirement. (e) Numerical,communicable,drawout type relay with MODBUS protocol-51/50N/50/51N, Master trip relay, Trp Circuit Supervision Relay, Auxiliary relay etc. (f) Digital Ammeter with selector switch. (g) Digital Voltmeter with selector switch. (h) Indication lamps for on/off indication and trip healthy.spring charged,Auto trip,CB Test position, R/Y/B indication (LED type). (i) All wiring necessary for the above including interconnection for buchholz relay alarm and trip on outgoing feeders. (j) Test Terminal blocks, fuses and labels. (k) Push button for trip circuit health check, 3 Pin 15 A Socket +Switch , Auxiliary contacts, 12 window annunciator & necessary trip power supply/ Power pack etc complete as required. (l) Any other accessories & instruments e.g Multifunction Meters, frequency meters etc complete as required.				
11	Supplying, Installation, testing and commissioning of indoor type floor mounted metal clad, 33 KV panel with 1 No. VCB (as outgoing) totally enclosed & fully interlocked, horizontal draw out, horizontal isolation type breaker as per IS 13118, as amended up to date and additional specifications, having capacities as mentioned below, single break, trip free mechanism, manually/motorized charged and auto/ manually closing breaker suitable for use on 33 KV, 3 Phase, 1250A, 25kA/3 sec. 50 Hz, A.C supply with short circuit fault level of 500 MVA, complete with self contained, fully interlocked, rack-in and rack-out mechanism, air insulated but encapsulated Copper bus bars with Sleeving of 2000 Amps capacity, breaker featured with mechanical ON/OFF indicator with hand trip device, spring release coil, shunt trip coil and auxiliary switch of 6 NO + 6 NC and equipped with following switchgears & accessories i/c POWER PACK connections suitable for 3 Core X 300 sq. mm HT XLPE insulated, 33 KV cable (cable entry from bottom side), end termination with heat shrinkable jointing material etc as required with following. (Note- Cost of end termination not included in this item.) (Note: This panel has to be integrated with the existing 33 KV VCB Panel of Siemens make)				

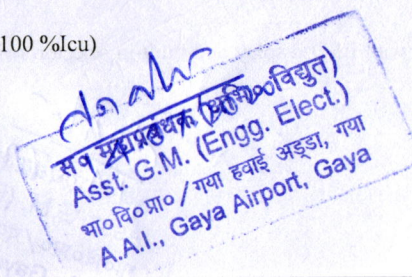
14.07.2020
 स० महाप्रबंधक (अभि० विद्युत)
 Asst. G.M. (Engg. Elect.)
 भा० वि० प्रा०/गया हवाई अड्डा, गया
 A.A.I., Gaya Airport, Gaya

04/10

Sr. No.	Description of Items	Qty.	Unit	Rate(Rs.)	Amount (Rs.)
	OUTGOING PANELS (a) 1 Nos. 1250 Amps three pole vacuum circuit breaker having rupturing capacity of 500 MVA at 33 KV having rear entry cable and box suitable to receive 3 core X 300 Sqmm 33 KV XLPE Cable alongwith the following accessory in the breaker panel. (b) 2000 Amps air insulated but encapsulated with PVC insulated heat shrinkable sleeves, Copper busbar on top portion of the panel (common for incoming and outgoing panel). (c) Necessary strip heaters with thermostat and an isolator suitable to operate on 230 V, 50 Hz, AC Supply for moisture absorption purpose. (d) 50/1+1 A dual Ratio cast Resin CT having 100 VA output 5p 10 accuracy class for protection and class 1 for metering - 3 Nos. (the CT ratings shall be suitable as per system design /site requirement). (e) Protection arrangement with 2 Nos. O/C, and 1 No. E/F IDMT relay with shunt trip on 24/30 V DC supply system. (f) 96 mm X 96 mm Ammeter with selector switch. (g) 96 mm X 96 mm Voltmeter with selector switch. (h) Indication lamps for on/off indication and trip healthy indication (LED type). (i) All wiring necessary for the above including interconnection with the existing outgoing VCB panels. (j) All necessary connections /provisions as required as per site condition for extension of /integration with the existing VCB Panel etc as required.	2	Job	57777.00	115554.00
12	SITC of Adapter Panel for extension of/ integration with the existing 33 KV VCB Panel board of Siemens make outgoings including complete connections,interconnections & other provisions whatever required as per site condition (If required)	1	Job	300000.00	300000.00
13	Design, manufacture Supply, Installation, Testing and Commissioning of main LT panel, cubicle type, made of 2 mm thick sheet steel, totally enclosed, IP 52, free standing, floor mounting, dust and vermin proof ,indoor, compartmentalised, powder coated painting suitable for operation on 3 Phase and neutral, 415V, 50 Hz AC system with Al.busbars extensible on both sides, interconnections including supply & installation of following items and as per Technical specification: INCOMER 2 Nos. ACB, 1000 A, FP, 50 kA, (for Transformers) motor wound spring charged closing mechanism,drawout type ACB with Microprocessor based release having short circuit, over current, earth fault, zone selective interlocking features with communication port RS 485 2 Nos. ACB, 1000 A, FP, 50 kA, (for DG Sets) motor wound spring charged closing mechanism,drawout type ACB with Microprocessor based release having short circuit, over current, earth fault, zone selective interlocking features with communication port RS 485				

14.07.2020
 स० महाप्रबंधक (अभि० विद्युत)
 Asst. G.M. (Engg. Elect.)
 भा० वि० प्रा०/गया हवाई अड्डा, गया
 A.A.I., Gaya Airport, Gaya

Sr. No.	Description of Items	Qty.	Unit	Rate(Rs.)	Amount (Rs.)
	4 nos. Intelligent multi function digital meter to read V,A,KVA, KW, KVAR, PF, Hz etc with communication facility (RS485 port) and LED display with 3 Nos CTs, 15 VA, class 1.0 and control circuit wiring with HRC control fuses/MCBs. 4 nos. Digital Voltmeter suitable range for 3 phase, 4 wire operation with LED display and built-in selector switch along with 3 nos of HRC control fuses/MCBs.. 4 Sets Indication Lamps (1 Set for each ACB), LED type, R,Y,B and breaker 'ON' , 'OFF', 'TRIP' lamps 4 nos. Digital Ammeter of suitable range (to measure 0-2500A), for 3 phase 4 wire operation with LED display and selector switch and CT ratio programmable and auto ranging along with 3 nubmers of class 1.0, 15 VA suitable range CTs. 4 nos. of current transformer Class 0.5, 15 VA for IPFC Relay. Bus Bars 01 set of Bus bars, 1250 Amps, TPN, Aluminium Bus bars Bus coupler 1000 A, FP, 50 kA, motor wound spring charged closing mechanism,drawout type ACB with Microprocessor based release having short circuit, over current, earth fault zone selective interlocking features with communication port RS 485.- 1 No. Indication Lamps, LED type 'ON' , 'OFF', 'TRIP' lamps with HRC control fuses/MCBs etc for bus coupler Accessories for Electrical Interlocking Micro PLC & other necessary accessories for electrical & Mechanical interlocking among 2 Nos Incomers for transformer, 2 Nos. Incomers for DG Sets and Bus coupler as required shall be provided including interconnection etc as required. Outgoing 3 Nos. MCCB, 630 A, 50 kA, Four Pole, with microprocessor based release having Over Current,Short Circuit,Earth Fault Protection module. (Ics=100%Icu) 4 Nos. MCCB, 400 A, 50 kA, Four Pole, with microprocessor based release having Over Current,Short Circuit,Earth Fault Protection module. (Ics=100 %Icu) 2 Nos. MCCB, 250 A, 50 kA, Four Pole, with microprocessor based release having Over Current,Short Circuit,Earth Fault Protection module. (Ics=100 %Icu) 2 Nos. MCCB, 200 A, 36 kA, Four Pole, with microprocessor based release having Over Current,Short Circuit,Earth Fault Protection module. (Ics=100 %Icu) 10 Nos. MCCB, 100A,36 kA, Four Pole, with microprocessor based release having Over Current,Short Circuit,Earth Fault Protection module.(Ics=100 %Icu) 8 Nos. MCCB, 63 A, 25 kA, Four Pole , with Thermal magnetic release(Ics=100 %Icu)	1	Job	3000000.00	3000000.00



 सचिव प्रमुख (प्रविद्युत)

 Asst. G.M. (Engg. Elect.)

 भा.वि.प्रा. / गया हवाई अड्डा, गया

 A.A.I., Gaya Airport, Gaya

06/10

Sr. No.	Description of Items	Qty.	Unit	Rate(Rs.)	Amount (Rs.)
	29 nos. Intelligent multi function digital meter to read V,A,KVA, KW, KVAR, PF, Hz etc with communication facility (RS485 port) and LED display with 3 Nos CTs, 15 VA, class 1.0 and control circuit wiring with HRC control fuses/MCBs. 29 Sets (1 set for each MCCB) of Extended Rotary operating mechanism, terminal extension spreaders and 'ON' (Red) indication lamp (LED type) with HRC control fuse/MCBs Components for AMF operation of D.G Sets Provision for Auto mains Failure System operation capable of Auto/ Manual mode operation, protection, measurement, display of electrical & D.G parameters complete with AMF Relay, Master trip relay , phase reversal, engine start relay, cranking relay, auxiliary relays, Auxiliary Contactors, Push Button etc i/c all the necessary provisions one set each for 2 D.G Sets to achieve AMF function as described in the technical specification. Other Components & Accessories Indicating lamps "Load on set" "Load on Mains" for each DG set Emergency stop push button for each DG set and transformer Engine start / stop / push button for each DG set Auto / Manual selector switch 12 window annunciator for each DG set faults 1 No. common hooter Battery charger for each D.G Sets with inbuilt trickle & boost facility, DC Ammeter, DC Voltmeter, Selector switch etc Any other provision / component & accessories required for proper synchronisation operation & control i.e AMF function at Panel end etc as required.				
14	CAPACITOR PANEL Design, Supply, Installation, Testing and Commissioning of Automatic Power Factor Corrector Panel, 250 kVAR, 3ph, 415v, totally enclosed, free standing, floor mounting, dust and vermin proof, cubicle type to be fabricated out of min. 2 mm thick Sheet steel, with provision for capacitor mounting arrangement inside the panel with Aluminium Busbars, interconnections, adequate number of louvers and powder coated with approved shade including supply & installation of following components and as per technical specifications: INCOMER 1 Nos. MCCB, 630, 50 kA, Four Pole, with microprocessor based release having Over Current, Short Circuit, Earth Fault Protection module. (Ics=100%Icu) 1 no. Intelligent multi function digital meter to read V,A,KVA, KW, KVAR, PF, Hz etc with communication facility (RS485 port) and LED display with 3 Nos CTs, 15 VA, class 1.0 and control circuit wiring with HRC control fuses. 1 Set of 630A TPN Aluminium conductor busbar. 1 Set of Digital Voltmeter suitable range for 3 phase, 4 wire operation with LED display and built-in selector switch along with 3 nos of HRC control fuses/MCBs.				

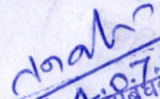
Asst. G.M. (Engg. Elect.)
 Gaya Airport, Gaya

Sr. No.	Description of Items	Qty.	Unit	Rate(Rs.)	Amount (Rs.)
	1 Set of Indication Lamps, LED type, R,Y,B and breaker 'ON', 'OFF' & 'TRIP' lamps 1 Set of Digital Ammeter of suitable range for 3 phase 4 wire operation with LED display and selector switch and suitable CT ratio programmable and auto ranging along with 3 numbers of class 1.0, 15 VA CTs. Microprocessor based intelligent, 14 step APFC relay with PF display and adjustable setting CAPACITORS 3 Nos. 50 KVAR Super Heavy duty capacitor units. 2 Nos. 25 KVAR Super Heavy duty capacitor units. 4 Nos. 10 KVAR Super Heavy duty capacitor units. 2 Nos. 5 KVAR Super Heavy duty capacitor units. OUTGOING SWITCHGEARS & OTHER COMPONENTS 3 Nos. 160 A, TP MCCB, 50 KA.thermal magnetic release with overload setting (Ics=100 %Icu) 2 Nos. 100 A, TP MCCB, 50 KA.thermal magnetic release with overload setting (Ics=100%Icu) 4 Nos. 32 A, TP MCB, 10 KA 2 Nos. 16A, TP MCB, 10 KA. 50 kVAr capacitor duty contactor with illuminated ON- OFF push buttons (LED type)- 3 Nos. 25 kVAr capacitor duty contactor with illuminated ON- OFF push buttons (LED type)-2 No. 10 kVAr capacitor duty contactor with illuminated ON- OFF push buttons (LED type)- 4 Nos. 5 kVAr capacitor duty contactor with illuminated ON- OFF push buttons (LED type)- 2 No. 2 Sets of Axial flow fans with thermostate. 1 Set of Rotary operating mechanism and terminal extension / spreaders for all the MCCBs. Complete in all respect including all interconnections from the bus bars to MCCB and MCCB to contactor and contactor to terminal blocks for Automatic Switching "ON" and "OFF" capacitor panel described as above	2	Job	800000.00	1600000.00
15	Supplying of following size of 1.1 KV grade XLPE insulated PVC sheathed armoured power cable of aluminium conductor confirming to IS: 7098 Part - I-1988 with latest amendments etc. as required.				
a)	3.5 Core X 400 Sq. mm Cable	200	Mtr.	980.00	196000.00
b)	3.5 Core X 240 Sq. mm Cable	150	Mtr.	629.00	94350.00
c)	3.5 Core X 185 Sq. mm Cable	200	Mtr.	499.00	99800.00
d)	3.5 Core X 120 Sq. mm Cable	100	Mtr.	338.00	33800.00
e)	3.5 Core X 70 Sq. mm Cable	600	Mtr.	224.00	134400.00
f)	3.5 Core X 50 Sq. mm Cable	350	Mtr.	165.00	57750.00
16	Supplying and Making end terminations with brass compression gland and aluminium lugs for following size of PVC insulated and PVC SHEATHED/XLPE aluminium conductor cable of 1.1 KV grade as required.				
a)	3.5 Core X 400 Sq. mm Cable	12	Each	550.00	6600.00
b)	3.5 Core X 240 Sq. mm Cable	4	Each	450.00	1800.00
b)	3.5 Core X 185 Sq. mm Cable	4	Each	350.00	1400.00

14-07-2022
 स.म.हा.प्र.वि. (अ.मि. विद्युत)
 Asst. G.M. (Engg. Elect.)
 भा.वि.प्रा. / गया हवाई अड्डा, गया
 A.I. Gaya Airport, Gaya

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Sr. No.	Description of Items	Qty.	Unit	Rate(Rs.)	Amount (Rs.)
c)	3.5 Core X 120 Sq. mm Cable	12	Each	350.00	4200.00
d)	3.5 Core X 70 Sq. mm Cable	12	Each	250.00	3000.00
e)	3.5 Core X 50 Sq. mm Cable	12	Each	250.00	3000.00
17	Supply and Making end terminations for the following size of 33 KV grade Aluminium conductor XLPE insulated cable with heat shrinkable jointing kits etc. Complete with all accessories as required.				
a)	3 core X 300 Sqmm. indoor end termination.	8	Each	8,000.00	64000.00
18	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray (galvanisation thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.				
a)	450 mm width X 50 mm depth X 2.0 mm thickness	100	Mtr.	600.00	60000.00
b)	300 mm width X 50 mm depth X 1.6 mm thickness	150	Mtr.	500.00	75000.00
c)	150 mm width X 50 mm depth X 1.6 mm thickness	100	Mtr.	350.00	35000.00
19	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "bends" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required.				
a)	450 mm width X 50 mm depth X 2.0 mm thickness	8	Each	500.00	4000.00
b)	300 mm width X 50 mm depth X 1.6 mm thickness	12	Each	300.00	3600.00
c)	150 mm width X 50 mm depth X 1.6 mm thickness	8	Each	250.00	2000.00
20	Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray "Reducer" (galvanisation not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc.				
a)	450 mm width X 50 mm depth X 2.0 mm thickness	2	Each	500.00	1000.00
b)	300 mm width X 50 mm depth X 1.6 mm thickness	4	Each	300.00	1200.00
c)	150 mm width X 50 mm depth X 1.6 mm thickness	2	Each	260.00	520.00
21	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of Above 95 sq. mm and upto 185 sq. mm size in the existing RCC/HUME/ METAL pipe as required.	250	Mtr.	100.00	25000.00
22	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of Above 185 sq. mm and upto 400 sq. mm size in the existing RCC/HUME/ METAL pipe as required.	250	Mtr.	100.00	25000.00
23	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of Above 35 sq. mm and upto 95 sq. mm size in the existing RCC/HUME/ METAL pipe as required.	400	Mtr.	100.00	40000.00
24	Laying of one number XLPE insulated and PVC sheathed power cable of 1.1 KV grade in the existing open duct as required.				
a)	Above 35 Sq. mm upto 95 Sq. mm	100	Mtr.	80.00	8000.00
b)	Above 95 Sq. mm upto 185 Sq. mm	50	Mtr.	80.00	4000.00
c)	Above 185 Sq. mm upto 400 Sq. mm	200	Mtr.	80.00	16000.00


 14.07.2020
 स० महापंचक (अभि० विद्युत)
 Asst. G.M. (Engg. Elect.)
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 A.I., Gaya Airport, Gaya

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Sr. No.	Description of Items	Qty.	Unit	Rate(Rs.)	Amount (Rs.)
25	Laying of one number XLPE insulated and PVC sheathed aluminium conductor cable of 1.1KV grade of following size on surface/ cable tray as required.				
a)	Above 35 sq. mm and upto 95 Sq. mm	200	Mtr.	100.00	20000.00
b)	Above 95 sq. mm and upto 185 sq. mm	150	Mtr.	100.00	15000.00
26	Earthing with Copper earth plate 600 mm X 600 mm X 3 mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe 2.7 mtr. long etc. with charcoal and salt complete as required.	8	Set	20,000.00	160000.00
27	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal and salt complete as required.	12	Set	10,000.00	120000.00
28	Providing and fixing 25 mm x 5 mm Copper strip in 40 mm dia G. I. pipe from earth electrode including connection with brass nut, bolts, spring, washer excavations and refilling etc. as required.	48	Mtr.	650.00	31200.00
29	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	64	Mtr.	350.00	22400.00
30	Providing and fixing 25 mm x 5 mm G. I. strip in 40 mm dia G. I. pipe from earth electrode including connection with G.I. nut, bolts, spring, washer excavation and refilling etc. as required.	72	Mtr.	450.00	32400.00
31	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in reces for connections etc. as required.	96	Mtr.	350.00	33600.00
32	Supplying and fixing in position 3 Nos. of 9 ltr.. Capacity G.I. fire buckets duly painted with red oxide and red paint and text. "FIRE" in white mounted on suitable size MS angle frame including grouting in floor or wall and filling dry sand etc. as required.	2	Set	7,000.00	14000.00
33	Supply, installation, testing and commissioning ISI maked (IS:15683) Fire Extinguisher, Carbon-di-oxide type capacity 4.5 kg. Flat base including valve, discharge hose of not less than 10mm dia, 1M long, and complete in all respects including initial fill with CO2 gas conforming to IS:307-1966 and wall suspension braket as required as per specification.	10	Each	9,000.00	90000.00
34	Supply,installation,testing and commissioning of 6kg ABC (Powder Type) Fire Extinguisher,Mild Steel Cylinders ISI marked fitted with pressure indicating gauge,internal tube,squeeze lever type valve fully charged with ABC 90 Powder (Monoammonium phoshate) pressured by Nitrogen complete in all respects including wall suspension bracket and conforming to IS:15683 as required as per specification.	10	Each	7,000.00	70000.00
35	Supply and fixing in position shock treatment charts written in "English" and "Hindi" duly mounted on wooden frame with glass covering / in fiber board etc. complete as required.	2	Each	3,000.00	6000.00
36	Supply and Fixing First Aid box made of MS with powder coating, front door transparentMade of Acrylic sheet of size 15"x11"x4" with two compartments, hinged cover with locking arrangement with necessary general medical grade tools and medicines.	1	Set	4,900.00	4900.00
37	Providing and fixing H.T. danger notice plate of 250 mm X 200 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	2	Each	1,000.00	2000.00
38	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	3	Each	800.00	2400.00

Asst. G.M. (Engg. Elect.)
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 A.I., Gaya Airport, Gaya

10/10

Sr. No.	Description of Items	Qty.	Unit	Rate(Rs.)	Amount (Rs.)
39	Providing, laying and fixing following dia RCC pipe NP2 class (light duty) in ground complete with RCC collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) including trenching (75 cm deep) and refilling etc. as required.				
(a)	250 mm dia.	150	Mtr.	1,000.00	150000.00
40	Supply & fixing of fire retardant / extinguishing Electrical Insulated synthetic mat of 3 mm thick $\pm$ 10% conforming to IS 15652: 2006, & other applicable standards, suitable for all voltages upto 33 KV AC and having minimum width of 1000 mm $\pm$ 20 mm and including fixing the same at site by using adhesive/compound as per site requirement.	25	Sq mtr.	3,000.00	75000.00
41	Supply & fixing of fire retardant / extinguishing Electrical Insulated synthetic mat of 2 mm thick $\pm$ 10% conforming to IS 15652: 2006, & other applicable standards, suitable for all voltages upto 3.3 KV AC and having minimum width of 1000 mm $\pm$ 20 mm and including fixing the same at site by using adhesive/compound as per site requirement.	40	Sq mtr.	2,500.00	100000.00
42	Supply, Installation, Testing and Commissioning of 500 KVA (Minimum) Silent type D.G Set with DG set controller module mounted on DG set having AMF control, auto synchronizing, auto load sharing, auto load management, inbuilt metering & protection, communicable port (RS485) etc. and acoustic enclosure conforming to latest environment protection regulations for emission and noise levels complete with Diesel Engine of suitable BHP (considering de-rating factor if any) at 1500 RPM, water cooled, (Radiator type), four stroke, electric start, turbo-charged & after cooled conforming to BS: 5514 with all standard accessories, coupled with Alternator of 500 KVA rating (minimum), brushless, self excited, self regulated and suitable for continuous operation, generating 415 V $\pm$ 5% Volts at 0.8 PF (lag), 50Hz, 3 phase, 4 wire system generally conforming to BS: 2613 & IS: 4722. Both Engine and Alternator shall be mounted on common channel iron base frame, with fuel pipe line upto 10 meter (to be concealed under floor), exhaust pipe line upto 15 meter (to be erected with sufficient M.S supports and insulated, hood on top), Antivibration mountings, residential type silencer, electric starter, batteries & battery charger, fuel tank of 990 ltrs. capacity with level indicator, other standard accessories etc complete as required. (Refer Technical specification)	2	Set	35,00,000.00	7000000.00

Total Amount excluding GST Rs. 336,48,874.00

(Rupees Three Crore Thirty Six Lacs Forty Eight Thousand Eight Hundred and Seventy Four 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, गया

गया /Gaya - 823004

Signature Not Verified

Digitally signed by SYED TANWEER ASHRAF

Date: 2020.07.15 11:56:51 IST

Location: eProcurement System for Central PSUs

