



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

संदर्भ सं. भाविप्रा/बीओ/संयुक्त महा.प्र.(ईजी-विधुत)/डब्ल्यू-17/2023-24/446
Ref. No.: AAI/BO/Jt.GM(E-E)/W-17/2023-24

दिनांक : 13.03.2024
DATE : 13.03.2024

By Speed Post / E-mail

सेवा में,

मेसर्स वेरिएंट इंफ्राटेक प्राइवेट लिमिटेड,
502, 5वीं मंजिल, बिल्डिंग नंबर 72,
लक्ष्मी भवन, नेहरू प्लेस,
नई दिल्ली-110019.

To,

M/s. Variant Infratech Private Limited
502, 5th Floor, Building No.72,
Lakshmi Bhavan, Nehru Place,
New Delhi-110019.

कार्य का नाम :- वडोदरा हवाई अड्डे पर परिचालन क्षेत्र के अंदर नई निर्मित सड़क के अनुसार मौजूदा खंभों को स्थानांतरित करने, नाइट पार्किंग हाईमास्ट के पुनः स्थान और अन्य संबद्ध विद्युत कार्यों सहित परिधि रोशनी का विस्तार.

Name of work :- Augmentation of Perimeter Lights including shifting of existing poles as per newly Constructed road, re-location of Night Parking High mast and other Allied Electrical Works inside Operational Area at Vadodara Airport.

संदर्भ : दिनांक : 27.02.2024 को खोली गई निविदा आईडी : 2024_AAI_181483_1

महोदय,

1. कृपया उपरोक्त टेंडर आई.डी. से संबंधित आपके टेंडर का अवलोकन करें।

1. Kindly refer your tender submission i.r.o above tender I.D.

2. उल्लिखित कार्य हेतु आपका टेंडर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है। आपके द्वारा बताए आइटम मूल्यों पर आपका टेंडर कुल रु. 1,60,56,126/- (रुपये एक करोड़ साठ लाख छप्पन हजार एक सौ छब्बीस मात्र) (जी.एस.टी रहित) है, जो कि टेंडरकी अनुमानित / न्योचित राशि रु. 2,18,19,012/- (जी.एस.टी रहित) से 26.41% कम है। वास्तविक के अनुसार GST का भुगतान किया जाएगा। भारतीय विमानपत्तन प्राधिकरण का गुजरात राज्य के लिए GST संख्या : 24AAACA6412D1ZE है।

2. Your 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 totaling to **Rs. 1,60,56,126/- (Rupees One Crore Sixty Lakh Fifty Six Thousand One Hundred Twenty Six only) (Excluding GST)**, which is **26.41 % below** than the estimated / Justified cost **Rs.2,18,19,012/- (Excluding GST)**. **GST shall be paid as per actual.** The GST No.of Airports Authority of India for Gujarat state is 24AAACA6412D1ZE.

3. संयुक्त महाप्रबंधक (अभि-विधुत), भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट, वडोदरा कार्य के प्रभारी अभियंता होंगे। आपसे निवेदन है कि अपनी ओर से एक विश्वसनीय प्रतिनिधि नियुक्त करें जो करारनामे पर हस्ताक्षर करने तथा उसे पूरा करने के लिए दिनांक **15.04.2024** तक संयुक्त महाप्रबंधक (अभि-विधुत) भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट, वडोदरा के कार्यालय में उपस्थित हो। ठेके का करारनामा ₹300/- के नॉनजुडीशियल स्टैम्प पेपर पर निष्पादित किया जाएगा, तथा स्टैम्प पेपर का खर्च आपके द्वारा उठाया जायेगा।

Cont.page:- 2/-

नागर विमानक्षेत्र वडोदरा /Civil Aerodrome, Vadodara

दूरभाष/Phone: 0265-2485356, फैक्स/Fax:0265-2464249 ई-मेल/E-Mail: apdvadodara@aai.aero



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

- 2 -

3. Jt.Gen. Manager (Engg-E), Airports Authority of India, Vadodara Airport, Vadodara shall be the Engineer-in-Charge of the work. You are requested to attend the office of the Jt.Gen. Manager (Engg-E), Airports Authority of India, Vadodara Airport, Vadodara by **15.04.2024** to sign and complete the contract agreement. The contract agreement shall be executed on a non - judicial stamp paper of value ₹ 300/- and the cost of the stamp paper shall be borne by you.
4. कृपया इस पत्र के जारी होने के 15 दिनों के भीतर निविदा की सामान्य शर्तों पृष्ठ संख्या GCC-129 के Schedule – E, para (iii) के अनुसार सिक्योरिटी डिपॉजिट के लिए राशि ₹ 16,05,612/- (रुपये सोलह लाख पाँच हजार छह सौ बारह मात्र) केवल जमा कर दे, अन्यथा इतनी ही राशि आपके रनिंग बिलो से काट ली जाएगी।
4. Please deposit ₹ 16,05,612/- (Rupee Sixteen Lakh Five Thousand Six Hundred Twelve only) towards security deposit as per Schedule – E para (iii) on page GCC-129 of tender document within 15 days from the date of issue of this letter, failing which the same will be deducted from your running bill.
5. आपसे निवेदन है कि आप केन्द्रीय और राज्य सरकारों के 1970 के अधिनियम अनुबंध श्रम नियम तथा उन्मूलन तथा 1971 के कन्द्रीय नियम तथा उन्मूलन एवं न्यूनतम वेतन अधिनियम और नियम के प्रावधानों का अनुपालन करें।
5. You are requested to comply with the provision of contract labour (Regulation and abolition) Act of 1970 and contract labour (Regulation and abolition) Central rules 1971 and minimum wages Act & rules thereof central and state Governments.
6. आपको निर्देश दिया जाता है कि आप तुरंत सहायक महाप्रबंधक (अभि-विधुत), भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट, वडोदरा से संपर्क करें, जोकि आपको साइट सोपने की व्यवस्था करेंगे। कृपया नोट करले कि काम करने का अनुमत समय **08 महीने (आठ महीने)** है जोकि इस कार्य आदेश के जारी होने के दसवे दिन से गिना जाएगा।
6. You are also directed to contact AGM (Engg-E), Airports Authority of India, Vadodara Airport, Vadodara immediately who will arrange to hand over the site to you. Please note that the time allowed for carrying out the work is **08 Months (Eight Months)** which shall be reckoned from the 10th day of issue of this work order.
7. ठेकेदार द्वारा किसी सुरक्षा विनियमों का उलंघन करते पाये जाने पर उसे ब्लैक लिस्टेड कर दिया जाएगा और अन्य कानूनी कार्यवाही की जाएगी।
7. If Contractor is found to violate any of security regulations, he shall be black listed and will be subjected to other legal proceedings.

Cont.page:- 3/-



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

- 3 -

8. इस ठेके के संबंध में आगे का कोई भी पत्राचार संयुक्त महाप्रबंधक (ईजी-विधुत), भाविप्रा, वडोदरा एयरपोर्ट, वडोदरा -390022 के पते पर किया जाए।
8. Any further correspondences in connection with the contract should normally be addressed to the Jt. Gen.Manager (Engg-E), AAI, Vadodara Airport, Vadodara -390022.
9. उपरोक्त कार्य के लिए त्रुटि दायित्व की अवधि 12 माह होगी जो कार्य के प्रमाणित समाप्ति के दिन से गिनी जाएगी।
9. The defects liability period for the above-mentioned work shall be 12 months from the certified date of completion work.
10. उपरोक्त हिन्दी एवं अंग्रेजी के पाठ्य में मतभेद होने पर अंग्रेजी लिपि में लिखित पाठ्य मान्य होगा।
10. In case of discrepancy in Hindi and English text then English text will be taken as correct.
11. कृपया पावती भेजे।
11. Please acknowledge the receipts.

संलग्नक: Schedule of Quantity

धन्यवाद / Thanking you,

भवदीप / Yours Faithfully,

सचिन बी. खंगार
13/3/2024

(सचिन बी. खंगार)
(Sachin B. Khangar)
संयुक्त महाप्रबंधक (अभि.-विधुत)
Jt. General Manager (Engg-E)
कृते तथा ओर से अध्यक्ष
For and on behalf of chairman,
भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट.
Airports Authority of India, Vadodara Airport.

प्रतिलिपि/ Copy To - For Favour of Information

1. क्षेत्रीय श्रम आयुक्त, चंद्रप्रभा फ्लैट नंबर-2, कृष्णा नगर सोसाइटी, मोती बाग पैलेस के सामने, वडोदरा - 390001.
Regional Labour Commissioner, Chandraprabha Flat No.2, Krishna Nagar Society, Opp. Moti Baugh Palace, Vadodara - 390 001.
2. क्षेत्रीय भविष्य निधि आयुक्त, भविष्य निधि भवन, वीएमसी वार्ड -6 कार्यालय के पीछे, अकोटा स्टेडियम रोड, अकोटा, वडोदरा -390020
Regional P.F Commissioner (I), Bhavishyanidhi Bhawan, Behind VMC Ward-6 Office, Akota Stadium Road, Akota, Vadodara - 390020.

SCHEDULE OF QUANTITY

Name of Work :- Augmentation of perimeter lights including shifting of existing poles as per newly constructed road, re-location of Night Parking High Mast and other allied electrical works inside operational Area.

Sl.No	Description of Work / Item(s)	Units	Qty	Rate (in Rs.)	Amount (in Rs.)
1.01	Supply of following sizes LT power cables of 1.1 KV grade aluminum conductor XLPE insulated and PVC sheathed armored cable conforming to IS 7098 Part I-1988 with upto date amendments as required.	Mtr.	4200.00	450.00	1890000.00
1.02	3.5C x 120 sq. mm.	Mtr.	2700.00	175.00	472500.00
1.03	3.5C x 35 sq. mm.	Mtr.	4000.00	139.00	556000.00
	4C x 25 sq. mm.				
2.01	Supply of following size XPLE insulated PVC sheathed armoured copper conductor control cable of 1.1KV grade conforming to IS 7098 (Part-I) with up to date ammendment etc. complete as required. 30C x 2.5 sq.mm.	Mtr.	1000.00	77.00	77000.00
2.02	6C x 2.5 sq.mm.	Mtr.	2000.00	152.00	304000.00
3.01	Supply of following size HDPE (High Density Polyethylene) duct of grade PE80, PN6 ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 4984:1995, complete as required. 160 mm dia (O.D)	Mtr.	200.00	361.00	72200.00
3.02	90 mm dia (O.D)	Mtr.	5100.00	78.00	397800.00
3.03	50 mm dia (O.D)	Mtr.	10000.00	67.00	670000.00
4.01	Laying of HDPE (High Density Polyethylene) pipe of following dia direct in ground including boulder/grit mix soil up to a depth of 1 Mtr. including excavation and refilling the trench complete with excavated soil after pipe laying. This work shall be including fixing, cutting of extra pipes and jointing with coupler, applying good quality pipe selant on coupler to make it water tight, disposing of the surplus soil with in a lead of 50 Meters etc. complete as per site requirement. 90 mm dia (O.D)	Mtr.	5100.00	26.00	132600.00
4.02	50 mm dia (O.D)	Mtr.	6000.00	26.00	156000.00
5.00	Laying of HDPE (High Density Polyethylene) pipe of 160mm dia through HDD method up to a depth of 6M under Runway / Taxi crossing inside operational area including jointing of HDPE pipe, Providing end cap at both ends, providing 10 SWG GI wire in each crossing pipe for cable pulling etc. complete as per site requirement.	Mtr.	200.00	206.00	41200.00

Sl.No	Description of Work / Item(s)	Units	Qty	Rate (in Rs.)	Amount (in Rs.)
6.00	Supply & fixing of precast RCC Round type cable manhole chamber of Dia.(I.D.) 1.0M and height 1.0M with all around(i/c base but except top cover) wall thickness not less than 100mm. with top cover made of 10mm thick MS iron sheet having dia 1.2 Meter fixing in position and applying two priming coat of approved steel primer and one topcoat synthetic enamel black paint using structural steel etc. (2 nos. 50 X 50 X 6mm angle welding across the diameter for strength and 3 Nos. 12mm rod for handle) chamber should have two clear holes each on 180 degree from centre & 300 mm above bottom surface suitable to receive 160 mm dia HDPE pipe Including excavation in soft/ hard soil and consolidating with excavated earth all around the chamber by ramming and watering etc. as per tender specification and site requirement.	Job	4.00	2575.00	10300.00
7.00	Supply & fixing of 100 mm dia Medium class GI pipe of approved make in in hard rock/bitumenous/concrete surface at a depth of 60 cm (width shall be as per site requirement but not less than 150mm) including getting out the excavated rock/bolder and disposal of excavated rock/bolder as directed within a lead of 50 metres and refilling the trench completely by providing PCC(1:2:4) after fixing, cutting & laying of pipe. providing coupler at both ends of GI pipe, making the top surface smooth finish etc. complete as per site requirement.(For road crossing)	Mtr.	100.00	1030.00	103000.00
8.00	Supply & fixing of 100 mm dia Medium class GI pipe of approved make across trench/ditches including making hole in retaining wall at a depth of more than 1 Mtr & fixing pipe with PCC(1:2:4) and making the existing wall good. coupler shall be provided at both ends of GI pipe by making threads at pipe end. GI pipe should be fixed in such a way that at least 1 Mtr. pipe shall be protruding outward at both ends of trench/ditches. The work shall be inclusive of accessories like socket, bend, couplers etc. complete as per site requirement.(For Drain crossing)	Mtr.	100.00	1030.00	103000.00
9.00	Excavation of the cable trenches in hard rock not exceeding 1.5 metres in width, and lift upto 1.5 metres, including getting out the excavated soil and disposal of excavated soil as directed within a lead of 50 metres.	CUM	10.00	10300.00	103000.00
10.01	Laying of one number PVC insulated and PVC/ XLPE sheathed power cable of 1.1 kV grade of following size in the existing RCC/ HUME/ METAL/ HDPE pipe as required.	Mtr.	6500.00	25.00	162500.00
10.02	Upto 35 sq.mm. (For laying of cable mentioned in BOQ Item No.-1.02, 1.03 & 2.02) Above 95 sq. mm and upto 185 sq. mm (For laying of cable mentioned in BOQ Item No.-1.01 & 2.01)	Mtr.	5000.00	25.00	125000.00
11.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required. Above 95 sq. mm and upto 185 sq. mm	Mtr.	300.00	51.00	15300.00
12.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required. Above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp)	Mtr.	100.00	50.00	5000.00

Sl.No	Description of Work / Item(s)	Units	Qty	Rate (in Rs.)	Amount (in Rs.)
13.01	Dismantling of following size LT Panels complete including disconnecting & removing existing incoming & outgoing feeders from gland plate without any damage to cables, breaking of foundation if needed, cutting of base frame if needed as per site requirement from their existing location and handover to AAI by transporting them to AAI store up to a distance of 5.0Km complete as per site requirement. Night Parking Main Panel, Size(L X W X H) :- 2.0 Meter X 0.5 Meter X 1.8 Meter	Job	1.00	5100.00	5100.00
13.02	Fire Station Essential Panel, Size(L X W X H) :- 1.0 Meter X 0.4 Meter X 1.8 Meter	Job	1.00	5100.00	5100.00
13.03	Fire Station Non-Essential Panel, Size(L X W X H) :- 1.0 Meter X 0.4 Meter X 1.8 Meter	Job	1.00	5100.00	5100.00
14.00	Outdoor type LT Panel (Main Panel For APRON & Night parking High Masts) Design, fabrication, supply, installation, testing and commissioning of double door, weather proof, dust & vermin proof, Epoxy Powder Coated With 7-Tank Chemical Process, RAL-7032 Shade, fully compartmentalised free standing type outdoor type feeder pillar (with IP54 protection) fabricated from 2mm thick CRCA sheet including making suitable size concrete foundation, providing suitable size of HDPE bend pipe in foundation for cable entry, supply and fixing of following switch gears and accessories complete with bus bars, neutral link, interconnections, Control MCBs, Cast resin type CTs, Multifunction meter with selector switches and LED indicating lamps as required as per enclosed specifications and approved make.: Incoming: (i) 160A, 50KA (Ics=100%Icu) thermal magnetic release type TPN MCCB having over load and short ckt. protection, adjustable overload settings :- 0.8 - 1.0 x In, adjustable short-circuit settings :- 6 - 10 x In. along with suitable size Spreader terminals, rotary handle. - 2 Nos.(Both Incomer shall be electrically interlocked as well as mechanically interlocked with 2 lock & 1 Key) (ii) 3- Phase, Digital VAF-PF meter with RS485 CL-0.5 including protection fuses/MCBs and 3 Nos of class 1.0,15 VA CTs- 2 Nos. (iii) LED Type R-Y-B indication lamps- 2 set. (iv) LED Type R-G-W indication lamp for on/off/Trip indication - 2 Set. Busbar 250 Amps TP& N high conducting aluminium bus bars- 1 Set. Outgoing: Following thermal magnetic release type TPN MCCB having over load and short ckt. protection, adjustable overload settings :- 0.8 - 1.0 x In, adjustable short-circuit settings :- 6 - 10 x In. along with suitable size Spreader terminals, rotary handle. :- (i) 100A, 35KA-37KA (Ics=100%Icu) MCCB - 1 No.(In Seprate compartment) (ii) 63A, 35KA-37KA (Ics=100%Icu) MCCB - 7 Nos.(Each in Seprate compartment) (iii) 40A, 10KA, C curve TPN MCB- 2 Nos.(Each in Seprate compartment) (iv) LED Type R-G indication lamp for on/off indication - 8 Set. (Feeder Pillar should be PTTA type only)	Job	2.00	36500.00	73000.00

Sl.No	Description of Work / Item(s)	Units	Qty	Rate (in Rs.)	Amount (in Rs.)
15.00	Outdoor type LT Panel (For individual High Mast of APRON & Night parking and Iso. bay) Design, fabrication, supply, installation, testing and commissioning of double door, weather proof, dust & vermin proof, Epoxy Powder Coated With 7-Tank Chemical Process, RAL-7032 Shade, fully compartmentalised free standing type outdoor type feeder pillar (with IP54 protection) fabricated from 2mm thick CRCA sheet including making suitable size concrete foundation, providing suitable size of HDPE bend pipe in foundation for cable entry, supply and fixing of following switch gears and accessories complete with bus bars, neutral link, interconnections, Control MCBs, Cast resin type CTs, Multifunction meter with selector switches and LED indicating lamps as required as per enclosed specifications and approved make.: Incoming: (i) 63A, 50KA (Ics=100%Icu) thermal magnetic release type TPN MCCB having over load and short ckt. protection, adjustable overload settings :- 0.8 - 1.0 x In, adjustable short-circuit settings :- 6 - 10 x In. along with suitable size Spreader terminals, rotary handle. - 1 No. (ii) 63 amps 3 pole contactor with auto manual selector switch for remote operation. - 1 No. (iii) 3- Phase, Digital VAF-PF meter with RS485 CL-0.5 including protection fuses/MCBs and 3 Nos of class 1.0,10 VA CTs- 1 No. (iv) LED Type R-Y-B indication lamps- 1 set. (v) LED Type R-G-W indication lamp for on/off/Trip indication - 1 Set. Busbar 200 Amps TP& N high conducting aluminium bus bars- 1 Set. Outgoing: (i) 40A, 10KA, C curve TPN MCB- 2 Nos. (Each in Sperate compartment) (ii) 32A, 10KA, C curve DP MCB- 3 Nos.(All 3 Nos. MCBs should be bypassed from contactor and in one compartment) (iii) 30A, 12Way bakelite SHT type Connector for copper conductor control cable.- 1 Set (In separate compartment) (Feeder Pillar should be PTTA type only)	Job	13.00	36050.00	468650.00

SI.No	Description of Work / Item(s)	Units	Qty	Rate (in Rs.)	Amount (in Rs.)
16.00	Outdoor type LT Panel (Fire station main panel) Design, fabrication, supply, installation, testing and commissioning of double door, weather proof, dust & vermin proof, Epoxy Powder Coated With 7-Tank Chemical Process, RAL-7032 Shade, fully compartmentalised free standing type outdoor type feeder pillar (with IP54 protection) fabricated from 2mm thick CRCA sheet including making suitable size concrete foundation, providing suitable size of HDPE bend pipe in foundation for cable entry, supply and fixing of following switch gears and accessories complete with bus bars, neutral link, interconnections, Control MCBs, Cast resin type CTs, Multifunction meter with selector switches and LED indicating lamps as required as per enclosed specifications and approved make.: Incoming: (i) 250A, 50KA (Ics=100%Icu) thermal magnetic release type TPN MCCB having over load and short ckt. protection, adjustable overload settings :- 0.8 - 1.0 x In, adjustable short-circuit settings :- 6 - 10 x In. along with suitable size Spreader terminals, rotary handle. - 2 Nos.(Both Incoming shall be electrically interlocked as well as mechanically interlocked with 2 lock & 1 Key) (ii) 3- Phase, Digital VAF-PF meter with RS485 CL-0.5 including protection fuses/MCBs and 3 Nos of class 1.0,15 VA CTs- 2 Nos. (iii) LED Type R-Y-B indication lamps- 2 set. (iv) LED Type R-G-W indication lamp for on/off/Trip indication - 3 Set. Busbar 400 Amps TP& N high conducting aluminium bus bars- 1 Set. Outgoing: Following thermal magnetic release type TPN MCCB having over load and short ckt. protection, adjustable overload settings :- 0.8 - 1.0 x In, adjustable short-circuit settings :- 6 - 10 x In. along with suitable size Spreader terminals, rotary handle :- (i) 100A, 35KA-37KA (Ics=100%Icu) MCCB - 1 No.(In Seprate compartment) (ii) 63A, 235KA-37KA (Ics=100%Icu) MCCB - 6 Nos.(Each in Seprate compartment) Following rating MCB:- (i) 40A, 10KA, C curve TPN MCB- 4 Nos.(Each in Seprate compartment) (ii) 32A, 10KA, C curve DP MCB- 3 Nos.(In one compartment) Indication Lamp:- LED Type R-G indication lamp for on/off indication - 7 Set. (Feeder Pillar should be PTTA type only)	Job	1.00	721000.00	721000.00

Sl.No	Description of Work / Item(s)	Units	Qty	Rate (in Rs.)	Amount (in Rs.)
17.00	SITC of out door, weather proof, dust & vermin proof, Epoxy Powder Coated With 7-Tank Chemical Process, RAL-7032 Shade, fully compartmentalised free standing type outdoor type feeder pillar (with IP54 protection) fabricated from 2mm thick CRCA sheet of size 600mm x450mm x300mm, having four legs of suitable length each of angle iron 35mm X 35mm x 5 mm size (leg should be 400 mm above from floor level) , TPN aluminum busbars of rating 300A, painting and writing i/c danger plate, fixing with cement concrete (1:2:4) and also making the cement concrete bed (1:2:4) of radius one meter around the feeder pillar of 100mm thickness etc. as per site requirement.	Job	2.00	25750.00	51500.00
18.00	SITC of out door, weather proof, dust & vermin proof, Epoxy Powder Coated With 7-Tank Chemical Process, RAL-7032 Shade, fully compartmentalised free standing type outdoor type feeder pillar (with IP54 protection) fabricated from 2mm thick CRCA sheet of size 600mm x450mm x300mm, having four legs of suitable length each of angle iron 35mm X 35mm x 5 mm size (leg should be 400 mm above from floor level) , 5 Nos. 30A 12way bakelite sht type connector, Termination of 2 Nos. control cable(i.e. total up to 60Core) with suitable size cable gland & copper lugs, painting and writing i/c danger plate, fixing with cement concrete (1:2:4) and also making the cement concrete bed (1:2:4) of radius one meter around the feeder pillar of 100mm thickness etc. as per site requirement.	Job	2.00	25750.00	51500.00
19.01	Supply and fixing of following rating thermal magnetic release type TPN MCCB having over load and short ckt. protection, adjustable overload settings :- 0.8 - 1.0 x In, adjustable short-circuit settings :- 6 - 10 x In. in existing LT distribution panel along with suitable size Spreader terminals, Direct rotary operating mechanism including providing & fixing suitable size Aluminium bus bars for connection of MCCB to main Bus of Panel, providing & fixing LED Type R-G indication lamp for on/off indication for each MCCB, Providing & fixing control MCB including control wiring complete as per site requirement and technical specifications.	Job	2.00	5150.00	10300.00
19.02	250A, 35KA-37KA (lcs=100%lcs)	Job	6.00	5480.00	32880.00
19.03	160A, 35KA-37KA (lcs=100%lcs)	Job	4.00	4120.00	16480.00
19.04	125A, 35KA-37KA (lcs=100%lcs)	Job	2.00	5021.00	10042.00
20.00	63A, 35KA-37KA (lcs=100%lcs) Dismantling of high mast of size upto 18.0 meter with following works:- (i) Removing of all LED Flood light fittings & obstruction light including dismantling of lantern carriage, disconnecting of ERP Cable, steel rope, pulley, bulldog grip etc. and storing the fittings in AAI Store. (ii) removing of High Mast from it's foundation with the help of hydra/crane after opening all the nuts & bolts, disconnecting feeder cables & Earthing strip and transporting the dismantled high mast and it's accessories to it's new installing location (up to a distance of 300 meters).	Job	2.00	30900.00	61800.00

Sl.No	Description of Work / Item(s)	Units	Qty	Rate (in Rs.)	Amount (in Rs.)
21.00	Re-Erection of high mast of size upto 18.0 meter with following works:- (i) Designing the best suitable lighting scheme with the help of software Agi32 or better. The lighting scheme must comply para 5.3.24 of "DGCA CAR Section 'B', Part I". The designing shall be done considering all the 6 Nos. existing High Masts and LED fittings. (ii) Making foundation at new location as suggested in designing scheme(point no. i) including excavation, PCC/RCC, J-bolts, templates etc. as required complete for foundation. The dimension and strength of the new foundation should be as per the foundation drawing which shall be vetted from structural engineer. (iii) Erection of High Mast pole, assembling all parts including NUTs & Bolts, Lantern carriage, steel rope, ERP Cable, pully, bulldog grip etc. (iv) fixing of all LED fittings i/c interconnection as per lighting scheme, fixing of obstruction light, connection of all feeder cables, ERP Cables, Industrial sockets etc. Note:- Any work required to complete the above job successfully are included except supply of any new spares for the purpose of replacing the existing damaged spares(Spares, if required, will be provided by AAJ).	Job	4.00	30900.00	123600.00
22.00	Supply of LED street Light fixture with housing material - Aluminum Alloy, Optic material - Polycarbonate with integrated electronic power supply unit, fixture should have minimum net efficacy at System level (Not Chip Level) >=120lumens/watt & minimum luminous flux of 5400 lumen, Life of fixture 50000hrs @ L70 Lumen maintenance, CCT upto 5700K, CRI >70, PF >=0.95, total power consumption not more than 110% of rated capacity of LED Light fitting. IP-66, IK-08, and suitable for 140V-270V AC, 50Hz. supply minimum internal Surge Protection >= 4KV. The fixture should comply with the parameters as per IS10322 and IEC60598, EMC / EMI compliance, and LED driver shall be BIS registered & luminair manufacture shall provide LM79report from NABL accredited lab & LM80 report issued by LED manufacturer and warranty for 05 years (minimum) (Make- Bajaj, Model- ENXT P 54 L WH PO PC SD MT or Equivalent)	Each	350.00	1495.00	523250.00
23.00	Supply of wide beam (minimum 60 degree) LED Flood Light fixture with housing material - Aluminum Alloy, Optic material - Polycarbonate with integrated electronic power supply unit, fixture should have minimum net efficacy at System level (Not Chip Level) >=120lumens/watt & minimum luminous flux of 9600 lumen, Life of fixture 50000hrs @ L70 Lumen maintenance, CCT upto 5700K, CRI >70, PF >=0.95, total power consumption not more than 110% of rated capacity of LED Light fitting. IP-66, IK-07, and suitable for 140V-270V AC, 50Hz. supply minimum internal Surge Protection >= 4KV. The fixture should comply with the parameters as per IS10322 and IEC60598, EMC / EMI compliance, and LED driver shall be BIS registered & luminair manufacture shall provide LM79report from NABL accredited lab & LM80 report issued by LED manufacturer and warranty for 05 years (minimum) (Make- Bajaj, Model- PRAZE F 96L WH NB A5 TG SD or Equivalent)	Each	20.00	2884.00	57680.00

Sl.No	Description of Work / Item(s)	Units	Qty	Rate (in Rs.)	Amount (in Rs.)
24.00	Installation, testing and commissioning of LED Perimeter light/ Flood light fitting on existing pole of height upto 7mtr. from ground level including supply, fabrication and fixing of suitable fixing arrangement on the existing pole arm, connection with existing wire etc. complete as per site requirement.	Each	340.00	1030.00	350200.00
25.01	Supplying and fixing of Medium class 65 mm dia., 4.0 metres high G.I. pole with 300mm X 300mm X 10mm base plate and 4 nos. 150mm x 150mm x 5mm stiffener welded at one end, Medium class 40 mm dia. tilted arm bracket on top with 80mm dia. round cap weld at one end for installation of street/perimeter light LED light fitting. The work included excavation, making suitable size PCC foundation, Supply and fixing of side hinged-door fixed with base SMC junction Box of size 250mmx200mmx105mm (Loop-in-Loop-out Box) on the GI pole with suitable size MS clamp including providing & fixing 63A, 4Pole connector for loop in & loop out, 6Amp SP MCB 'C' curve in din rail, Interconnection etc. as required. (Make: Sintex: model no. JS-JB-2520 or its equivalent), painting of complete pole including foundation with one coat primer and two coat finish paint of aluminum/silver shade etc. complete as per site requirement and technical specification with following arm brackets:- Single arm bracket	Job	13.00	6695.00	87035.00
25.02	Double arm bracket	Job	10.00	2525.00	25250.00
26.00	SITC of Double arm bracket made with Medium class 40 mm dia., i/c 80mm dia. round cap weld at one end for installation of street/perimeter light LED light fitting in existing light pole.	Job	6.00	2525.00	15150.00
27.00	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for 3½ C x 120 sqmm size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.	Each	8.00	1030.00	8240.00
28.01	Supplying and making end termination 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. 3.5 x 240 sq.mm.	Each	4.00	1030.00	4120.00
28.02	3.5 x 185 sq.mm.	Each	4.00	1030.00	4120.00
28.03	3.5 x 120 sq.mm.	Each	10.00	875.00	8750.00
28.04	3.5 x 95 sq.mm.	Each	4.00	772.00	3088.00
28.05	3.5 x 70 sq.mm.	Each	4.00	670.00	2680.00
28.06	3.5 x 50 sq.mm.	Each	14.00	567.00	7938.00
28.07	3.5 x 35 sq.mm.	Each	14.00	463.00	6482.00
28.08	4 x 25 sq. mm.	Each	20.00	360.00	7200.00
28.09	4 x 16 sq. mm.	Each	14.00	257.00	3598.00
28.10	4 x 10 sq. mm.	Each	4.00	257.00	1028.00

Sl.No	Description of Work / Item(s)	Units	Qty	Rate (in Rs.)	Amount (in Rs.)
29.01	Supplying and making end termination with brass compression gland and copper lugs for following size of PVC insulated and PVC sheathed / XLPE copper conductor armored control cable of 1.1 kV grade as required. 30C X 2.5 Sqmm.	Each	4.00	1030.00	4120.00
29.02	6C X 2.5 Sqmm.	Each	14.00	175.00	2450.00
30.00	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing RCC(1:2:4) enclosure with 6mm thick MS cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required and as per enclosed technical specification..	Job	32.00	4635.00	148320.00
31.00	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	Mtr.	30.00	20.00	600.00
32.00	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	Mtr.	600.00	20.00	12000.00
33.00	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing RCC(1:2:4) enclosure with 6mm thick MS cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required and as per enclosed technical specification.	Job	8.00	4635.00	37080.00
34.00	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, bolt, spring, washer excavation and re-filling etc. as required.	Mtr.	200.00	257.00	51400.00
35.00	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Mtr.	40.00	257.00	10280.00
36.00	Supply of open well type, waste water purpose, submersible pumping set with Stainless steel motor body with IP 68 protection & Integrated motor control for current overload and high temperature, CI impellers with cast iron pump body, suitable for voltage range from 170V to 240V, 1 phase, 50 Hz A.C. supply with in-built float switch, plug, carrying handle and minimum 5 meter cable along with 6 meter 3 mm thick SS chain separately, motor efficiency IE-2 or higher, pump shall have following duty: Total head :- 3M to 9M Discharge in LPM :- 280 LPM to 50 LPM Solid passage :- Min. 35mm (Pump model no.-STS 50/10-F EM-A of Wilo make or it's equivalent)	Each	3.00	46350.00	139050.00

Sl.No	Description of Work / Item(s)	Units	Qty	Rate (in Rs.)	Amount (in Rs.)
37.00	Supply of open well type, waste water purpose, submersible pumping set with Stainless steel motor body with IP 68 protection & Integrated motor control for current overload and high temperature, C.I impellers with cast iron pump body, suitable for voltage range from 170V to 240V, 1 phase, 50 Hz A.C. supply with in-built float switch, plug, carrying handle and minimum 5 meter cable along with 6 meter 3 mm thick SS chain separately, motor efficiency IE-2 or higher, pump shall have following duty: Total head :- 3M to 12M Discharge in LPM :- 350 LPM to 100 LPM Solid passage :- Min. 35mm (Pump model no.-STS 50/13-F EM-A of Wilo make or equivalent)	Each	2.00	46350.00	92700.00
38.00	Supply of D.G. operated mobile lighting tower with following specifications along with annual maintenance from OEM for 5 years with 12 nos. monthly visit in one year and unlimited on call visit as and when required :- a) D.G.:- Engine rated output- Minimum 8.2 KW (Continuous) / 9.5KW (Standby); Engine rpm- 1500; Number of cylinders- 3; CPCB norms- CPCB 2 or better; Bunded tank capacity- Minimum 100 Ltrs.(Fuel tank should be filled with full capacity of tank) ; Fuel consumption- Not more than 1 Ltr/Hr. b) Alternator :- Rated output- Minimum 8 KVA; Rate voltage- 230V; IP protection- IP20 or better; Auxiliary power- minimum 16 Amp. c) Mast :- Type- Manual Operation winch and each operation interlocked; Maximum height (metres)- Minimum 7.8 Meters; Number of mast section- 5; Mast Rotation- 359° with locking system & manual operation; Mast Erection time < 2 minutes; wind speed stability- minimum 110km/hr. d) Luminaries :- Total Luminaries- 4 nos. of Luminaries with each 400W.; Lumens per Watt- Minimum 120 Lm/ Watt; Light coverage in Square metre 6150 Sqm; Ingress Protection (IP) Rating- IP67 (ASKA Nomadic VT-8 400W LED - Y3 or it's equivalent)	Each	1.00	412000.00	412000.00
39.00	Supply of omni-directional 8-inch dia. MIRL type inset LED Taxiway/Turning Pad Edge light fixture, with shallow base bottom box and matching body of the fitting, inner body and outer cover complete to suitable for mounting the fitting in pavement along with suitable for operation at 2.8 Amps to 6.6 Amps series circuit supply current complete with suitable LEDs, Omni-directional Blue lens, integrated encapsulated suitable electronic converter with standard secondary lead etc. The fitting shall be of low protrusion type and the prism shall be of replaceable type without applying any compound. Fitting arrangement and photometric requirements shall confirm to latest ICAO annex 14 requirements, relevant standards, tender specifications etc. complete as required.	Each	6.00	4635.00	27810.00

Sl.No	Description of Work / Item(s)	Units	Qty	Rate (in Rs.)	Amount (in Rs.)
40.00	Supply of 1 x 6 Sq. mm 5 KV grade single core, stranded copper conductor PVC insulated and PVC sheathed underground airfield lighting cable wound on metal drum of suitable size generally confirming to IS 1554 Part II - 1981 with up to date amendments as required.	Mtr.	6000.00	258.00	1548000.00
41.00	Supply of of 5 KV grade, 6 sq. mm size plug and receptacle of type I class "B" connector suitable for field attachment with 5 KV grade of PVC insulated PVC sheathed single core copper conductor Airfield Lighting cable conforming to the relevant IS specification etc. complete as required.	Each	250.00	360.00	90000.00
42.00	Cutting and making groove of width suitable for laying of one no. 50mm dia HDPE pipe and minimum 100 mm depth under hard concrete surface of APRON/Taxi track with saw cut machine and concrete breaker machine etc. complete as required.	Mtr.	4000.00	25.00	100000.00
43.00	Making two nos. holes in existing CI housing box(installed in operational area) of suitable size to receive 50mm HDPE pipe with the help of gas cutter machine/ electric cutter machine and making the hole smooth with the help of file grinder machine. This work is including dismantling and re-installation of fittings and any excavation around housing box required for proper operation of gas cutter / file /grinder as per site requirement. Both holes shall be 50mm below from top surface of CI box .(two nos. hole in one box = one set)	Set	220.00	5150.00	1133000.00
44.00	Laying of 50mm. dia.(O.D.) HDPE(High Density Polyethylene) pipe along with all accessories like socket, bend, couplers etc. complete with fitting and cutting, jointing etc. on existing trench between the transformer housing boxes complete as per site requirements etc. complete as required.	Mtr.	4000.00	25.00	100000.00
45.00	Providing and laying in position cement concrete 1:2:4(1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources) on existing grooves or as per requirement on taxi/runway shoulders and finishing the top surcace matching to existing surfaces etc. complete as required.	Cum	50.00	10500.00	525000.00
46.00	Laying of one number 6/16 Sqmm. 5 KV grade single core, PVC insulated and PVC sheathed stranded copper conductor underground airfield lighting cable in the existing RCC/ HUME/ METAL/HDPE pipe complete as required.	Mtr.	4000.00	25.00	100000.00
47.00	Making field connections by crimping 6 / 16 Sq.mm plug and receptacle with the existing 6 / 16 Sq.mm single core PVC insulated copper conductor cable including filling the gap with water sealant material, applying good quality HT tape & followed by PVC insulation tape of approved/reputed make etc complete as required.	Job	220.00	255.00	56100.00
48.00	Installation of Omni-directional, INSET type of APRON/TAXI EDGE light fittings , installation of isolation transformer, interconnection, testing, commissioning including thoroughly cleaning the fixtures and its accessories before installation including core/groove cutting of the hard standing & alignment of fittings with instruments and jointing with existing pipes for wires including fixing the fitting using quick setting sealant compound etc. complete as required.	Job	6.00	51500.00	309000.00

SI.No	Description of Work / Item(s)	Units	Qty	Rate (in Rs.)	Amount (in Rs.)
49.00	Dismantling & Re-installation Bi-directional/unidirectional/omnidirectional, ELEVATED type of RUNWAY EDGE LIGHT/ TURNING PAD LIGHT/ TAXIWAY EDGE LIGHT and its supporting pipe fitting etc. i/c base plate, isolating transformers from transformer housing box after opening the base plate and M10 size SS/MS hardware, cleaning of outer glass/filter/reflector with cleaning agent after dismantling and re-installing the same after HDPE Pipe and airfield cable laying including fixing of isolating transformer etc. complete as per site requirement.	Job	220.00	6650.00	1463000.00
50.00	Providing and laying 4 Sq.mm FRLS wire (Yellow with green strip) along with cable for loop earthing i/c lugs/thimble as required.	Meter	4000.00	360.00	1440000.00
51.01	Supply of 2 x 4 Sqmm TPR/EPR insulated TPR/PCP sheathed anti termite & anti rodent stranded copper conductor airfield lighting cable of 1.1 KV grade secondary lead cable with moulded connector (male) on one side as per IS 6380 of following length.	Each	300.00	257.50	77250.00
51.02	0.5 Meter	Each	50.00	255.00	12750.00
51.03	2 Meter	Each	35.00	265.00	9275.00
51.04	5 Meter	Each	20.00	278.00	5560.00
51.05	60 Meter	Each	4.00	280.00	1120.00
	80 Meter	Each			
				TOTAL	16056126.00

(Rupees One crore sixty lakh fifty six Thousand one hundred twenty six Only)

Note :- GST shall be paid as per actual.

24/09/2024

(Sachin B. Khangar)
JGM(E-E)
AAI, CA, Vadodara