

संदर्भ सं. भाविप्रा/प.क्षे/वडो/अभि.-विद्युत/Turn Pad/डब्ल्यू-15/2025-26 / 313
Ref. No.: AAI/WR/VADO/E-E/Turn Pad/W-15/2025-26

दिनांक : 21.11.2025
DATE : 21.11.2025

By Speed Post / E-mail

सेवा में,
मेसर्स टेकनों इलेक्ट्रिकल,
पहली मंजिल, शॉप नंबर एफएफ-19,
सुंदरवन कॉम्प्लेक्स, करोडिया रोड,
आईटीआई के नजदीक, गोरवा,
वडोदरा - 390 016.

To,
M/s. Techno Electricals,
First Floor, Shop No. FF 19,
Sundervan Complex, Karodia Road,
Near ITI, Gorwa,
Vadodara - 390 016.

कार्य का नाम : वडोदरा हवाई अड्डे पर रनवे एंड टर्न पैड लाइट का प्रावधान और रनवे और टैक्सीवे साइन बोर्ड को बदलना तथा अन्य संबंधित कार्य।

Name of work : Provision of runway end turn pad light and replacement of runway and taxiway sign board including other associated works at Vadodara Airport.

संदर्भ : दिनांक : 11.11.2025 को खोली गई निविदा आईडी : 2025_AAI_249822_1

महोदय,

- कृपया उपरोक्त CPP बोली क्रमांक से संबंधित आपके टेंडर का अवलोकन करें।
1. Kindly refer your tender submission i.r.o above CPP Bid Number.
- 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.3,05,11,625/- (रुपये तीन करोड़ पाँच लाख ग्यारह हजार छह सौ पच्चीस मात्र) (जी.एस.टी रहित) है, जो कि टेंडरकी न्योचित राशि रु. 3,34,76,617/- (जी.एस.टी रहित) से 8.86 % कम है। 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. 3,05,11,625/- (Rupees Three crore Five Lakh Eleven Thousand Six Hundred Twenty Five only) (Excluding GST), which is 8.86 % below than the Justified cost of Rs.3,34,76,617/- (Excluding GST). The GST No.of Airports Authority of India for Gujrarat state is 24AAACA6412D1ZE.
- 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 15.12.2025 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/-

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 **15.12.2025** 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-131 के Schedule -E, para (iii) के अनुसार सिक्युरिटी डिपॉजिट के लिए राशि **₹ 30,51,163/-** (रुपये तीस लाख इक्यावन हजार एक सौ तिरसठ मात्र) केवल जमा कर दे, अन्यथा इतनी ही राशि आपके रनिंग बिलो से काट ली जाएगी।
4. Please deposit **₹ 30,51,163/- (Rupees Thirty Lakh Fifty One Thousand One Hundred Sixty Three only)** towards security deposit as per Schedule – E para (iii) on page GCC-131 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 प्रबंधक (अभि-विधुत), भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट, वडोदरा से संपर्क करे, जोकि आपको साइट सोपने कि व्यवस्था करेंगे। कृपया नोट करले कि काम करने का अनुमत समय **09 महीने (नौ महीने)** है जोकि दिनांक **01.12.2025** के दिन से गिना जाएगा।
6. You are also directed to contact Manager (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 **09 Months (Nine Months)** which shall be reckoned from the date **01.12.2025**.
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.
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.

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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,

भवदीय / Yours Faithfully,



(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.

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प्रतिलिपि/ Copy To : (NOO)

1. महाप्रबंधक (अभि-विद्युत), भारतीय विमानपत्तन प्राधिकरण, आरएचक्यू, पश्चिम क्षेत्र, इंटीग्रेटेड प्रशासनिक भवन, पारसी वाड़ा के सामने, सहार रोड, विले पार्ले(पूर्व), मुंबई - 400 099.
General Manager (Engg.-Elect), Airports Authority of India, RHQ, Western Region, Integrated Administrative Building, Opp. Parsiwada, Sahar Road, Vile Parle (E), Mumbai - 400099.
2. संयुक्त महाप्रबंधक(सतकर्ता), भारतीय विमानपत्तन प्राधिकरण, आरएचक्यू, पश्चिम क्षेत्र, इंटीग्रेटेड प्रशासनिक भवन, पारसी वाड़ा के सामने, सहार रोड, विले पार्ले(पूर्व), मुंबई - 400 099.
Jt.Gen.Manager (Vigilance), Airports Authority of India, RHQ, Western Region, Integrated Administrative Building, Opp. Parsiwada, Sahar Road, Vile Parle (E), Mumbai - 400099.

आंतरिक विवरण / INTERNAL: (By E-mail)

1. विमानपत्तन निदेशक, भाविप्रा, नागरविमान क्षेत्र, वडोदरा/Airport Director, Airports Authority of India, CA, Vadodara - सूचनार्थ ।
2. सहायक महाप्रबंधक (वित्त) / AGM (Fin), Airports Authority of India, CA, Vadodara - सूचनार्थ ।
3. प्रबंधक (अभि-विद्युत)/ Manager (E-E), Airports Authority of India, CA, Vadodara - कार्य निष्पादन हेतु ।
4. कार्य फाइल / Work File
5. करारनामा फाइल / Agreement File
6. हिन्दीगार्ड फाइल / Hindi Guard File

सचिन खंगार
21/11/2025

(सचिन बी. खंगार)

(Sachin B. Khengar)

संयुक्त महाप्रबंधक (अभि-विद्युत)

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.

SCHEDULE OF QUANTITY

Name of Work :-Provision of Runway End Turn Pad Light and replacement of runway & taxiway sign boards i/c other associated work at Vadodara Airport.

Sl.No	Description of Work / Item(s)	Qty	Units	Rate after considering discount (in Rs.)	Amount (in Rs.)
1.00	Supply of FAA Certified Inset type medium intensity Turn Pad light fitting (Unidirectional Centerline light (Green) 8 inch dia.) for aviation visual aids requirements complete with shallow base and matching body of the fitting, inner body of the fitting, inner body and outer cover made of die cast aluminium complete with LED Lamp 6.6 Amps current with connected heat resistant accessories, prism assembly, optical assembly, "O" ring seal, pressure relief test plug, hardware, lenses and all standard accessories and ready for site installation complete with all accessories meeting the ICAO and CAR requirements complete as per technical specifications as required.	125.00	Each	59892.00	7486500.00
2.00	SITC of FAA compliance Indoor type air cooled Constant Current Regulator (CCR) of 50 KW rating , micro processor controlled, thyristor type suitable for operation on 240/415 V AC $\pm$ 10%, 50 Hz input AC supply with 5 steps variation of current output and able to communicate with PC/ PLC controlled system with digital output ammeter (0-30 Amps), over current, over voltage, open circuit and earth fault protection and earth leakage meter, two stage earth leakage detector, positive back indication equipments, hours run counter, LED display, input MCCB, lightning protection, 5kv grade Surge protection device of 100KA rating, suitable IEC tested earthing as per SPD OEM recommendation etc. complete as required and conforming to detailed tender technical specifications suitable for communication on existing NASU make ALCMS at Vadodara Airport complete as per technical specifications as required. (Note:- 5KV grade, 100KA rated Surge protection device(SPD) and it's earthing, installation & connection is included in scope of work of this item)	2.00	Each	578956.40	1157912.80
3.00	SITC of FAA compliance Indoor type air cooled Constant Current Regulator (CCR) of 4KW rating , micro processor controlled, thyristor type suitable for operation on 240/415 V AC $\pm$ 10%, 50 Hz input AC supply with 5 steps variation of current output and able to communicate with PC/ PLC controlled system with digital output ammeter (0-10 Amps), over current, over voltage, open circuit and earth fault protection and earth leakage meter, two stage earth leakage detector, positive back indication equipments, hours run counter, LED display, MCCB complete as required and conforming to detailed tender technical specifications suitable for communication on existing NASU make ALCMS at Vadodara Airport complete as per technical specifications as required.	6.00	Each	299460.20	1796761.20

Sl.No	Description of Work / Item(s)	Qty	Units	Rate after considering discount (in Rs.)	Amount (in Rs.)
4.00	Design, Supply, installation, testing and commissioning of Slim type Edge lit LED Guidance Sign Board of various sizes made out of anodized 3 mm corrosive resistant aluminium extrusion frame (thickness of signboard should be less than 40 mm) and Facia should not be more than 50 mm at all sides of the display. The extrusions frame should be interlocked/bolted with each other creating a sealed unit and 1.5 mm thick aluminium back cover, 2 mm thick polycarbonate sheet with glare free front face, the letter & symbol should be made by of vinyl and pasted on 2mm thick polycarbonate sheet at the inner side of the sign face with required colouring, 3.5mm acrylic LGP sheet shall be sandwiched for even distribution of light, suitable arrangement shall be made for water tightness & locking arrangement, including supporting frangible legs & frame etc., signboard shall be uniformly internally illuminated with LED strip mounted on the top/bottom of LGP sheet to achieve illumination level and can operate on series circuit without flickering, complete as required and as specified in ICAO Annex. 14 Vol. I (legends as approved by Engineer-In- Charge). Sign boards shall be uniformly internally illuminated with IP 67 grade. LEDs operated on driver with in-built dual(Main & standby) input sources of 2.5Amps to 6.6Amps constant current its supporting frangible legs, base frame etc., complete as per latest ICAO/FAA requirement specification and detailed tender specification. (Signboard shall be fixed on existing Concrete foundation. Dismantling of existing signboard including storing in AAI store is included in scope of work)	60.00	Sq Mtrs.	44919.00	2695140.00
5.00	Supply of 6 sq.mm 5 KV grade Single Core unarmoured Primary Circuit Cable with Stranded Annealed Plain Copper Conductor, XLPE/PVC insulated and XLPE sheathed, Cable for airfield lighting conforming to IS 1554 (part-2/ IS 7098(part -2) and as per tender specification etc. as required.	24000.00	Mtr	156.70	3760800.00
6.00	Supply of 2 x 4 sqmm secondary lead made out of multi stranded copper conductor EPR insulated & PCP sheathed, anti termite & rodent treated 1.1 KV grade underground cable etc. complete as required.	5000.00	Mtr	224.60	1123000.00
7.00	Supply of 2.5 Sq.mm FRLS PVC insulated (Yellow with green strip) copper conductor single core cable as per IS694:1990 with latest amendments for loop earthing as required.	7000.00	Mtr	60.00	420000.00
8.00	Supply of 6 sqmm, 5 KV grade plug and receptacle of type I, class 'B' connector and suitable field attachment with 5 KV grade XLPE insulated, PE sheathed, single core copper conductor cable as per detailed tender specification as required.	200.00	Set	598.90	119780.00
9.10	Supply of following rating completely enclosed isolating transformer encapsulated in polyster resin finally moulded in neoprene rubber for use of 6.6 amps series airport lighting circuits having nominal voltage rating of 5KV and all rated for operation on 50 Hz. The transformer shall be water tight and shall be designed for direct burial in the earth or installation in a base confirming to tender specification as required. 45Watt 6.6/6.6 Amps	150.00	Each	4192.40	628860.00

Sl.No	Description of Work / Item(s)	Qty	Units	Rate after considering discount (in Rs.)	Amount (in Rs.)
9.20	Supply of following rating completely enclosed isolating transformer encapsulated in polyster resin finally moulded in neoprene rubber for use of 6.6 amps series airport lighting circuits having nominal voltage rating of 5KV and all rated for operation on 50 Hz. The transformer shall be water tight and shall be designed for direct burial in the earth or installation in a base confirming to tender specification as required. 150Watt 20/6.6 Amps	200.00	Each	5490.10	1098020.00
9.30	Supply of following rating completely enclosed isolating transformer encapsulated in polyster resin finally moulded in neoprene rubber for use of 6.6 amps series airport lighting circuits having nominal voltage rating of 5KV and all rated for operation on 50 Hz. The transformer shall be water tight and shall be designed for direct burial in the earth or installation in a base confirming to tender specification as required. 200Watt 6.6/6.6 Amps	40.00	Each	5490.10	219604.00
9.40	Supply of following rating completely enclosed isolating transformer encapsulated in polyster resin finally moulded in neoprene rubber for use of 6.6 amps series airport lighting circuits having nominal voltage rating of 5KV and all rated for operation on 50 Hz. The transformer shall be water tight and shall be designed for direct burial in the earth or installation in a base confirming to tender specification as required. 200Watt 20/6.6 Amps	40.00	Each	5490.10	219604.00
10.00	Supply of 50mm dia O.D. Permanently Lubricated High Density Polyethylene (PLB-HDPE duct) duct as per IS: 7328, TEC/GR/TX/ CDS-008/03 March, 2011 with latest amendment and as per tender specification, complete as required.	21000.00	Mtr.	139.70	2933700.00
11.00	Supply of Cast iron Isolating Transformer housing box, water tight round type, metal container of outside dia 330 mm, height 450 mm made of 10 mm thick cast iron moulding all round, except the top surface, which is 15 mm thick cast iron moulding suitable to receive a light fitting base plate/cover plate on the top and underground housing associated with transformer power cable and having three/two/one nos holes as per site requirement on the periphery centre, 100mm-150mm below top surface suitable to receive 50 mm HDPE pipes/ Secondary leads as required . The box should have two SS earth bolts of M10 x 40 mm tapped inside near the hole (4" away from the hole centre) and having clear opening of 220 mm at the top surface and 6 Nos. M10 tapped hole having centre to center distance of 260 mm alongwith cover plate, gasket & bolts as required as per the drawings. Supply of CI box included 10mm thick CI top cover(Dummy plate) of 310 mm dia. with 6 Nos. M10 tapped hole and 6 nos. SS bolts complete as per tender specification & drawing as required.	120.00	Each	5689.70	682764.00
12.00	Installation, testing and commissioning of inset fitting of size upto 8" with core cutting, aligning and setting i/c providing sealing material & Fast setting compound of reputed make and installation of Isolating Transformer, Crimping / Jointing of plug receptacles, & other accessories required for commissioning i/c supply of all materials except fixture, secondary lead, plug & receptacles & isolating transformer etc. complete as per tender specification as required.	112.00	Job	3793.20	424838.40

Sl.No	Description of Work / Item(s)	Qty	Units	Rate after considering discount (in Rs.)	Amount (in Rs.)
13.00	ITC of CI housing box of size 330 mm dia and 450 mm deep i/c Core cutting and excavation of runway / taxiway surface i/c leveling of housing box with suitable instrument such that slope of top surface of CI box should be match with that of runway surface and top surface of CI box shall be 25mm above Runway/taxiway surface level. 50 mm thick base cement concrete shall be provided at bottom and filling of cement paste/slurry of compound mix shall be done all around the gap between CI box and excavated core. Cement mortar of 1:3 with compound mix shall be provided at top around the housing box of 200mm width to make finish slope to level of runway all around the housing box. box shall be painted all around in & out with one coat of primer and two coats of black enamel paint before installation. Fitting Numbing and Lettering on Fitting base/dummy plate shall be done after installation. Work included disposal of excavated earth, debris/malba and making the runway/taxiway surface good the same as original complete as per tender specification & drawing as required.	112.00	Job	2994.60	335395.20
14.00	ITC of CI housing box of size 330 mm dia and 450 mm deep in basic strip(for new PAPI installation) i/c leveling of housing box with suitable instrument and top surface of CI box shall be 25mm above with PAPI foundation surface level. 100 mm thick cement concrete shall be provided at bottom and all around. Cement mortar of 1:3 with compound mix shall be provided at top around the housing box of 200mm width to make finish slope to level of runway all around the housing box. box shall be painted all around in & out with one coat of primer and two coats of black enamel paint before installation. Fitting Numbing and Lettering on Fitting base/dummy plate shall be done after installation. Work included disposal of excavated earth, debris/malba and making the runway/taxiway surface good the same as original complete as required.	24.00	Job	1996.40	47913.60
15.00	Laying of one number XLPE insulated and PE sheathed primary circuit cable of 5 KV grade of 1C x 6sqmm./ 1C x 16sqmm. size in the existing RCC/ HUME/ METAL pipe/ HDPE Pipe/ Open masonry duct/ Cable tray(with cable tie) etc. as required.	21000.00	Mtr.	12.00	252000.00
16.00	Kerf cutting with machine in taxiway/runway/apron of PQC/bituminous surface of depth upto 100 mm and width upto 25 mm for 1 or 2 nos secondary lead AFL cable along with laying of secondary lead and 1 no. earth cable by wrapping cotton tape i/c filling the same by suitable sealing material of reputade make etc complete as required i/c disposal of excavated PQC/ bitumin, debris/malba and making good the same as per instruction of EIC.	4500.00	Mtr.	199.60	898200.00
17.00	Excavation & refilling for cable trenches of depth upto 1.2 m in soft soil including getting out the excavated soil, refilling(after Pipe laying) and disposal of surplus excavated soil as directed within a lead of 50 metres complete as per site requirement.	100.00	CUM	399.30	39930.00
18.00	Excavation & refilling for cable trenches of depth upto 1.2 m in hard rock including getting out the excavated soil, refilling(after Pipe laying) and disposal of surplus excavated soil as directed within a lead of 50 metres complete as per site requirement.	20.00	CUM	798.60	15972.00

Sl.No	Description of Work / Item(s)	Qty	Units	Rate after considering discount (in Rs.)	Amount (in Rs.)
19.00	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. in existing open/close trenches or hume pipe complete as per site requirement.	1000.00	Mtr.	30.00	30000.00
20.00	Laying of 50mm. dia.(O.D.) single run PLB HDPE (high density polyethylene) pipe along with its necessary accessories like end plugs, rope, cable sealant etc. below the ground (i/c Road crossing, runway crossings, Cement concrete, Apron Area) at a depth of up to 6 m through horizontal distance drilling (HDD) method including duct integrity test for continuity as per site requirement and as per tender specification and site requirement.	2000.00	Mtr.	164.70	329400.00
21.00	Laying of 50mm. dia.(O.D.) double run (Two run in single HDD) PLB HDPE (high density polyethylene) pipe along with its necessary accessories like end plugs, rope, cable sealant etc. below the ground (i/c Road crossing, runway crossings, Cement concrete, Apron Area) at a depth of up to 6 m through horizontal distance drilling (HDD) method including duct integrity test for continuity as per site requirement and as per tender specification and site requirement.	8000.00	Mtr.	164.70	1317600.00
22.00	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 Four clear holes Two each on 180 degree from centre & 300 mm above bottom surface suitable to receive 4 Nos. 50 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 & drawing and site requirement.	40.00	Each	13475.70	539028.00
23.00	Supply & fixing of 100 mm dia Medium class GI pipe of approved make in in hard rock/bitumenous/concrete surface at a depth of 30 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)	50.00	Mtr.	1098.00	54900.00
24.00	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.	2000.00	Mtr.	239.60	479200.00

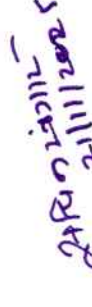
Sl.No	Description of Work / Item(s)	Qty	Units	Rate after considering discount (in Rs.)	Amount (in Rs.)
25.00	Laying of 50mm. dia.(O.D.) HDPE(High Density Polyethylene) pipe along with all accessories like socket, bend, couplers etc. complete with fitting and cutting, jointing etc. on existing trench between the transformer housing boxes and fixing the pipe with 1mm thick Iron saddle complete as per site requirements.	2000.00	Mtr.	40.00	80000.00
26.00	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) and 4% of cement fast setting compound on existing grooves or as per requirement on taxi/runway shoulders and finishing the top surface matching to existing surfaces etc. complete as required.	30.00	CUM	5989.20	179676.00
27.00	Supply and moulding of secondary Connectors (Male connector at one end and Female connector at other end of secondary cable) of size 2 x 4 Sq.mm multi stranded annealed conductor EPR insulated & PCP sheathed unshielded cable of 600 V grade at site complete as required.(This work shall be done before kerf cutting. Measurement of required length of each secondary lead shall be taken and accordingly secondary lead cable shall be cut and then connectors moulding shall be done.)	120.00	Nos.	449.20	53904.00
28.00	Earthing with 'B' class G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing RCC(1:2:4) enclosure(350mm X 350mm) with 6 mm thick 300mm X 300mm MS cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt complete as per tender specifications as required.	40.00	Nos.	6488.30	259532.00
29.00	Supply & laying earth connections from earth electrode with 6 SWG dia G.I. wire in 15 mm dia G. I. pipe from earth electrode i/c Kerf cutting the runway surface upto 50mm deep and 20mm width and refilling with compound mix cement mortar etc. as required.	600.00	mtr.	179.70	107820.00
30.00	Supply and fixing 6 SWG G. I. wire on surface or along with primary AFL Cable for loop earthing i/c necessary connection with isolating transformer housing box etc. complete as required.	2000.00	mtr.	20.00	40000.00
31.00	Making field connection by crimping of 6/16 sq. mm plug & receptacle with existing 6/16 sq. mm single core copper conductor primary airfield cable i/c filling the gap with water sealant material applying good quality HT/LT PVC insulation tape, fixing of isolation transformer etc. complete as required. (For other than Turnpad lights)	100.00	set	75.00	7500.00

Sl.No	Description of Work / Item(s)	Qty	Units	Rate after considering discount (in Rs.)	Amount (in Rs.)
32.00	Installation, Testing & Commissioning of one number 3 lamps PAPI unit (01 job) (Vardhman Make) with base plates including positioning & fixing of checking stick base plate, supply of all required materials for complete installation including designing and providing suitable strength PCC and RCC foundation as per OEM along with PCC pedestal (1:2:4 cement concrete) of 1000mm wide and 200mm thick all around the foundation of each PAPI unit and checking base foundation, connection & laying of secondary leads in flexible metal conduit, connections/ inter-connections with isolating transformers including excavation, levelling, sloping and refilling of hard/soft soil etc complete as per site requirements i/c testing, commissioning and confirming to tender specifications and annexure 14 of ICAO with latest upto date amendments etc complete as per tender specification as required. (Note:- Pre installation work like surveying of PAPI site elevation, site preparation are included in scope of work. Only Runway elevation shall be provided by AAI.)	8.00	Job	9983.00	79864.00
33.00	Supply of 8c x 2.5 sq.mm. of XPLE insulated PVC sheathed armoured copper conductor control cable of 1.1KV grade conforming to IS 7098 (Part-I) with up to date amendment etc. complete as required.	1500.00	Meter	299.50	449250.00
34.00	SITC of Horizontal double mounting outdoor siren of range 5KM, intended for use in all weather condition, with 3HP 2800 RPM motor suitable for operation on 400/440 VOLTS 50 HZ A.C. power supply along with supply & fixing of 3P AC power contactor of rating 22A(AC3)/32A(AC1) with 1NO Aux contact, 40A 4P C-curve MCB and other required accessories fixed on DIN rail in SMC junction box(Sintex model GSJB-5728) for remote switching of siren including control wiring and power wiring with 4C X 4 Sqmm flexible copper conductor cable upto 15 Meter shall be provided in 25mm PVC conduit. Siren shall be mounted on 1.5 Meter height ladder type frame structure made from supplying and fabrication of 50x50x6 GI angle with suitable holes for bolting/fixing of siren (Approximate weight of siren shall be 80-90 Kg). Siren cover made of suitable size MS sheet shall be fabricated and provided to protect the siren from rain. All the fabrication shall be painted with two coat of red oxide and one coat of silver metal paint complete with all accessories, suitable angle/ channels, gland, painting etc.as per tender specification and site requirement. (Siren make -Kheraj, Model no. HDT-500 or equivalent)	1.00	Each	27475.50	27475.50

Sl.No	Description of Work / Item(s)	Qty	Units	Rate after considering discount (in Rs.)	Amount (in Rs.)
35.00	Supply of high voltage synthetic insulating mat made of synthetic Elastomer suitable for following voltage grade conforming to IS 15652:2006 with minimum width of 1 meter. Insulating mat should be flexible, anti skid, fire retardant, water and moisture proof with no adverse effect of acids, alkalis and transformer oil. Insulating mat should be fixed with suitable adhesive/ chemical bond, resin, water proofing compound and other sealing materials as per specifications. Insulating mats should be ISI marked along with CM/L nos. at every meter. Insulating mats should be CPRI certified for required voltage level. 11 KV grade, class B, Thickness- 2.5mm+/-10% with 45KV dielectric strength.	100.00	Sq Mtrs.	1197.80	119780.00
	TOTAL				30511624.70
	Say				30511625.00

(Rupees Three Crore Five lakh Eleven Thousand Six Hundred Twenty Five Only)

Note :- GST shall be paid as per actual.


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