

संदर्भ सं. भाविप्रा/बीओ/उप.महा.प्र.(ईजी-विधुत)/Photometric/डब्ल्यू-21/2022-23/1574
Ref. No.: AAI/BO/DGM(E-E)/Photometric/W-21/2022-23

दिनांक : 22.03.2023
DATE : 22.03.2023

By Speed Post / E-mail

सेवा में,
मेसर्स एस.एन इलेक्ट्रिक एंड मेंटेनेंस प्रा. लि.
प्लॉट नंबर-17, मैजेनाइन फ्लोर, ब्लॉक-सी,
पैरामाउंट टॉवर, कम्युनिटी सेंटर,
जनक पुरी, नई दिल्ली - 110 058

To,
M/s. S.N Electric & Maintenance Pvt. Ltd.
Plot No.-17, Mazzanine Floor, Block -C,
Paramount Tower, Community Centre,
Janak Puri, New Delhi – 110 058.

कार्य का नाम : वडोदरा एयरपोर्ट पर एयरफील्ड ग्राउंड लाइटिंग (AGL) स्पैर की आपूर्ति, फोटोमेट्रिक परीक्षण आयोजित करना और कार के साथ गैर पुष्टि का सुधार करना।

Name of work :- Supply of Airfield Ground Lighting (AGL) spares, conducting Photometric test and rectification of non confirmance with CAR at CA, Vadodara.

संदर्भ : दिनांक : 10.03.2023 को खोली गई निविदा आईडी : 2023_AAI_144464_1

महोदय,

- कृपया उपरोक्त टेंडर आई.डी. से संबंधित आपके टेंडर का अवलोकन करें।
- Kindly refer your tender submission i.r.o above tender I.D.
- 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. **45,98,460/-** (रुपये पैंतालीस लाख अठानबे हजार चार सौ साठ मात्र) (जी.एस.टी रहित) है, जो कि टेंडरकी अनुमानित / न्योचित राशि रु.**47,20,126/-** (जी.एस.टी रहित) से 2.58 % कम है। वास्तविक के अनुसार **GST** का भुगतान किया जाएगा। भारतीय विमानपत्तन प्राधिकरण का गुजरात राज्य के लिए **GST** संख्या : **24AAACA6412D1ZE** है।
- 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. 45,98,460/- (Rupees Forty Five Lakh Ninety Eight Thousand Four Hundred Sixty only) (Excluding GST)**, which is **2.58 % below** than the estimated / Justified cost **Rs.47,20,126/- (Excluding GST)**. **GST shall be paid as per actual.** The GST No.of Airports Authority of India for Gujarat state is 24AAACA6412D1ZE.
- उपमहाप्रबंधक (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 **15.04.2023** तक सहायक महाप्रबंधक (अभि-विधुत) भारतीय विमानपत्तन प्राधिकरण, वडोदरा एयरपोर्ट, वडोदरा के कार्यालय में उपस्थित हो। ठेके का करारनामा ₹ 100/- के नॉनजुडीशियल स्टैम्प पेपर पर निष्पादित किया जाएगा, तथा स्टैम्प पेपर का खर्च आपके द्वारा उठाया जायेगा।



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3. Dy.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 Asst. Gen. Manager (Engg-E), Airports Authority of India, Vadodara Airport, Vadodara by **15.04.2023** to sign and complete the contract agreement. The contract agreement shall be executed on a non - judicial stamp paper of value ₹ 100/- 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 ₹ 4,59,846/- (रूपये चार लाख उनसठ हजार आठ सौ छियालीस मात्र) केवल जमा कर दे, अन्यथा इतनी ही राशि आपके रनिंग बिलो से काट ली जाएगी।
4. Please deposit ₹ **4,59,846/- (Rupee Four Lakh Fifty Nine Thousand Eight Hundred Forty Six 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 **03 महिना (तीन महिना)** है जोकि दिनांक **01.04.2023** के 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 **03 Months (Three Months)** which shall be reckoned from the date **01.04.2023**.
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.



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8. इस ठेके के संबंध में आगे का कोई भी पत्राचार उपमहाप्रबंधक (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 Dy. 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,

— Sd —

(आर. बी एस कुशवाहा)

(R.B S Kushwaha)

उपमहाप्रबंधक (अभि.-विधुत)

Dy. 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 : (NOO)

1. महाप्रबंधक (अभि), भारतीय विमानपत्तन प्राधिकरण, आरएचक्यू, पश्चिम क्षेत्र, इंटीग्रेटेड प्रशासनिक भवन, पारसी वाड़ा के सामने, सहार रोड, विले पार्ले(पूर्व), मुंबई - 400 099.
General Manager (Engg), 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.



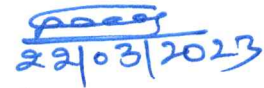
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3. संयुक्त महाप्रबंधक (अभि-विद्युत), भारतीय विमानपत्तन प्राधिकरण, आरएचक्यू, पश्चिम क्षेत्र, इंटीग्रेटेड प्रशासनिक भवन, पारसी वाड़ा के सामने, सहार रोड, विले पार्ले(पूर्व), मुंबई - 400 099.
Jt.Gen.Manager (Engg.-Elect), Airports Authority of India, RHQ, Western Region, Integrated Administrative Building, Opp. Parsiwada, Sahar Road, Vile Parle (E), Mumbai - 400099.
4. 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.
5. 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.

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.
3. सहायक महाप्रबंधक (अभि-विद्युत)/ AGM(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


२२/०३/२०२३

(आर. बी एस कुशवाहा)
(R.B S Kushwaha)
उपमहाप्रबंधक (अभि-विद्युत)
Dy. 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 :- Supply of Airfield Ground Lighting (AGL) Spares, conducting Photometric test and rectification of non conformance with CAR at C.A. Vadodara.

Sl.No	Description of Work / Item(s)	Qty	Units	Rate (In Rs.)	Amount (in Rs.)
1.00	Carrying out / making In-field measurement / testing of intensity, beam spread / coverage,orientation,chromaticity,luminous factor,setting of field alignment, toeing angle and elevation angle as per site requirement of lights including approach(SAPL) and runway lighting systems(i.e. Elevated/Inset type, Unidirection/Bi-directional Approach Lights, Edge lights, END lights, Threshold lights) by measuring all lights, as far as practicable, to ensure conformance with the applicable specification of CIVIL AVIATION REQUIREMENTS SECTION-4, AERODROME STANDARDS & LICENSING SERIES 'B', PART I by using a vehicle mounted mobile measuring unit of sufficient accuracy to analyze the characteristics of the individual lights. Further rectification of the same by adjusting/cleaning/replacing the fitting or spares after finding any ambiguity as per applicable CAR specification by deploying suitable manpower(spares to be used in rectification will be provided by AAI) and Re-measurement of intensity, beam spread / coverage,orientation,chromaticity,luminous factor,setting of field alignment, toeing angle and elevation angle of lights till the conformance with the applicable CAR specifications. (1 fitting complete = 1 Job).	280.00	Job	3000.00	840000.00

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Sl.No	Description of Work / Item(s)	Qty	Units	Rate (In Rs.)	Amount (in Rs.)
2.00	Carrying out / making In-field measurement / testing of intensity, beam spread / coverage, orientation, chromaticity, luminous factor, setting of field alignment, toeing angle and elevation angle as per site requirement for PAPI lighting systems by measuring all lights, as far as practicable, to ensure conformance with the applicable specification of CIVIL AVIATION REQUIREMENTS SECTION-4, AERODROME STANDARDS & LICENSING SERIES 'B', PART I by using a vehicle mounted mobile measuring unit of sufficient accuracy to analyze the characteristics of the individual lights. Further rectification of the same by adjusting/cleaning/replacing the fitting or spares after finding any ambiguity as per applicable CAR specification by deploying suitable manpower(spares to be used in rectification will be provided by AAI) and Re-measurement of intensity, beam spread / coverage, orientation, chromaticity, luminous factor, setting of field alignment, toeing angle and elevation angle of lights till the conformance with the applicable CAR specifications. (1 PAPI unit of 3 lamps set complete = 1 Job)	8.00	Job	5500.00	44000.00
	Supply of following GLF spares :-				
3.00	Moon type Red Filter(outer glass) for Elevated type End light (Fitting Item code- B111400JA, Make Youyang)	5.00	Each	4500.00	22500.00
4.00	Moon type Green Filter(outer glass) for Elevated type Threshold light (Fitting Item code- B112300JA, Make - Youyang)	15.00	Each	6500.00	97500.00
5.00	Moon type Clear Filter(Outer glass) for Elevated type Approach light (Fitting Item code- B111300, Make- Youyang)	5.00	Each	2600.00	13000.00
6.00	360° Clear filter (outer dome) for Elevated type Runway Edge light (Fitting Item code- B211203A, Make- Youyang)	70.00	Each	3990.00	279300.00
7.00	180° Yellow filter for Elevated type Runway Edge light (Yellow / Clear) (Fitting Item code- B211203A, Make- Youyang)	40.00	Each	3150.00	126000.00
8.00	180° Red filter for Elevated type Runway Edge light (Yellow / Red) (Fitting Item code- B211203A, Make- Youyang)	5.00	Each	3150.00	15750.00
9.00	Reflector for Approach light (Fitting Item code- B111300, Make- Youyang)	25.00	Each	3990.00	99750.00

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Sl.No	Description of Work / Item(s)	Qty	Units	Rate (In Rs.)	Amount (in Rs.)
10.00	Reflector for END light (Fitting Item code- B111400JA, Make- Youyang)	15.00	Each	3990.00	59850.00
11.00	Reflector for Threshold light (Fitting Item code- B112300JA, Make- Youyang)	15.00	Each	3990.00	59850.00
12.00	Clear lens (convex type) for Elevated type Runway Edge light (Fitting Item code- B211203A, Make-Youyang)	150.00	Each	2600.00	390000.00
13.00	Red prism for inset type End light (Fitting Item code- B124501, Make- Youyang)	30.00	Each	6300.00	189000.00
14.00	Green prism for inset type Threshold light (Fitting Item code- B124501, Make- Youyang)	60.00	Each	945.00	56700.00
15.00	Gasket for Red / Green / Yellow / Clear prism of inset type light (Fitting Item code- B124501, Make- Youyang)	100.00	Each	1050.00	105000.00
16.00	O - ring gasket (Outer) for inset type End / Threshold / Runway Edge light (Fitting Item code- B124501, Make- Youyang)	35.00	Each	945.00	33075.00
17.00	O - ring gasket (Inner) for inset type End / Threshold / Runway Edge light (Fitting Item code- B124501, Make- Youyang)	45.00	Each	1365.00	61425.00
18.00	Lamp holder for Elevated type HIRL fixtures (Fittings Make- Youyang)	50.00	Each	840.00	42000.00
19.00	Rubber gasket for outer dome of Elevated type Runway Edge light (Fittings Make- Youyang)	20.00	Each	2600.00	52000.00
20.00	Yellow filter for inset type Runway Edge light (Fitting Item code- 00012882, Make- Safegate)	20.00	Each	2600.00	52000.00
21.00	Red filter for inset type Runway Edge light (Fitting Item code- 00012882, Make- Safegate)	15.00	Each	4700.00	70500.00
22.00	Clear prism (with gasket) for inset type Runway Edge light (Fitting Item code- 00012882, Make- Safegate)	20.00	Each	3600.00	72000.00
23.00	prism gasket for inset type Runway Edge light (Fitting Item code- 00012882, Make- Safegate)	20.00	Each	1050.00	21000.00
24.00	O - ring gasket (Outer) for inset type Runway Edge light (Fitting Item code- 00012882, Make- Safegate)	20.00	Each	1050.00	21000.00
25.00	O - ring gasket (Inner) for inset type Runway Edge light (Fitting Item code- 00012882, Make- Safegate)	20.00	Each	3600.00	72000.00
26.00	Moon type Green Filter for Elevated type Threshold light (Fittings Make- AMA)	5.00	Each	1890.00	9450.00

Sl.No	Description of Work / Item(s)	Qty	Units	Rate (in Rs.)	Amount (in Rs.)
27.00	Reflector for Elevated type Threshold light (Fittings Make- AMA)	5.00	Each	3600.00	18000.00
28.00	Red filter for PAPI lights (Fittings Make- AMA)	15.00	Each	2600.00	39000.00
29.00	Clear lens for PAPI lights (Fittings Make- AMA)	20.00	Each	1890.00	37800.00
30.00	Reflector for PAPI lights (Fittings Make- AMA)	20.00	Each	2600.00	52000.00
31.00	Clear prism for inset type Approach light (Fitting Item code- 007.4450, Make- OCEM)	20.00	Each	2600.00	52000.00
32.00	Prism Gasket for Clear prism for inset type Approach light (Fitting Item code- 007.4450, Make- OCEM)	20.00	Each	1575.00	31500.00
33.00	O - ring gasket (Outer) for inset type Approach light (Fitting Item code- 007.4450, Make- OCEM)	10.00	Each	1575.00	15750.00
34.00	O - ring gasket (Inner) for inset type Approach light (Fitting Item code- 007.4450, Make- OCEM)	10.00	Each	1575.00	15750.00
35.00	Blue LED for Inset type Taxiway light (Fitting Item code- 005.7972, Make- OCEM)	10.00	Each	1050.00	10500.00
36.00	Omni directional clear lens for Inset type Taxiway light (Fitting Item code- 005.7972, Make- OCEM)	10.00	Each	895.00	8950.00
37.00	200W, 6.6A Lead type(with holder) Halogen lamp.(OSRAM Cat No.- 64382 / PHILIPS Cat No.6117 or 6313 male type).	150.00	Each	1315.00	197250.00
38.00	150W, 6.6A Bi-Pin type(without holder) Halogen lamp.(PHILIPS Cat No.6292).	150.00	Each	998.00	149700.00
39.00	105W Halogen lamp for Inset type fitting (OSRAM Cat No.- 64339A / PHILIPS Cat No.6103 or 6105 female type).	150.00	Each	1100.00	165000.00
40.00	Supply of loop wire with non-reversible male jack for LED Strips suitable for operational area signages.	25.00	Each	475.00	11875.00
41.00	Converter for LED type Operational area signage of all sizes(Upto 3000mm length and can illuminate upto 0.5W, 220Nos. LED by a single driver) operated through series circuit by using single isolating transformer of suitable size with current range from 2.8 to 6.6 Amps with inbuilt dual circuit and auto changeover facility to work on main and standby circuit.	15.00	Each	475.00	7125.00
42.00	strip with high luminous long life typically 50,000 Hrs type, 0.5 Watts Osram LED's assembled on aluminium PCB of size 700mm X 200mm X 2mm and having 11 LED's per PCB for boards. At one end single non-reversible jack to be provided.	50.00	Each	4745.00	237250.00



Sl.No	Description of Work / Item(s)	Qty	Units	Rate (In Rs.)	Amount (in Rs.)
43.00	200W 6.6 A / 6.6 A , 5 KV grade 50 Hz series type Isolating Transformers, encapsulated in polyester resin finally moulded in neoprene type rubber with primary & secondary connections and ready to install etc. complete as required.	30.00	Each	4150.00	124500.00
44.00	150W 20 A / 6.6 A , 5 KV grade 50 Hz series type Isolating Transformers, encapsulated in polyester resin finally moulded in neoprene type rubber with primary & secondary connections and ready to install etc. complete as required.	50.00	Each	4150.00	207500.00
45.00	15W 6.6 A / 6.6 A , 5 KV grade 50 Hz series type Isolating Transformers, encapsulated in polyester resin finally moulded in neoprene type rubber with primary & secondary connections and ready to install etc. complete as required.	50.00	Each	4150.00	207500.00
46.00	secondary lead cable (male) of 0.5 meter length, 2 x 4 Sqmm PVC insulated PVC sheathed anti termite & anti rodent stranded copper conductor airfield lighting cable of 1.1 KV grade. Confirming to IS 1554 part II with up to date ammendnebs as required	10.00	Each	2600.00	26000.00
47.00	16 Sq. mm. size 5KV grade plug and receptacle(Essna Connector) 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.	60.00	Each	578.00	34680.00
48.00	6 Sqmm. Size 5KV grade plug & receptacles(Essna Connector) 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.	60.00	Each	578.00	34680.00
49.00	Rubber gasket for base plate for HIRL/MIRL fittings	20.00	Each	475.00	9500.00
	Total				4598460.00

(Forty Five Lakh Ninety Eight Thousand Four Hundred Sixty only)

Note :- GST shall be paid as per actual.

[Signature]
22/03/2023

(R.B.S.Kushwaha)
DGM (E-E)
AAI,CA,Vadodara