



आशादीन
अमृत महोत्सव

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

सूरत एयरपोर्ट, सूरत-394550

SURAT AIRPORT, SURAT-394550

सन्दर्भ संख्या :- भा.वि.प्रा/सूरत/संयुक्त महाप्रबंधक (अभि-वि)/बैलेन्स पीटीटी विद्युत कार्य/2023-24/W-02

दिनांक :- 15/01/2024

Ref. No: - AAI/SURAT/Jt.GM (E-E)/Balance PTT Elect Works/2023-24/W-02 - 9994 (i-XV) Date: - 15/01/2024

(कार्य आदेश / Work Order)

सेवा में,

मेसर्स, टेक्नो इलेक्ट्रिकल्स,

FF 19, सुंदरवन कॉम्प्लेक्स, टावर-B, गोपी पेट्रोल

पम्प के पास, गोरवा, वडोदरा -390016

ई मेल. girish069@gmail.com

To,

M/s. Techno Electricals.,

FF 19, Sundarvan Complex, Tower-B, Near. Gopi

Petrol Pump, Gorwa, Vadodara-390016.

E-mail. girish069@gmail.com

कार्य का नाम :- “सूरत हवाई अड्डे के समग्र विकास सहित टर्मिनल बिल्डिंग तथा एप्रन का विस्तार, एवं समान्तर टैक्सी ट्रैक के निर्माण हेतु।

उपशीर्ष :- सूरत हवाई अड्डे पर एप्रन विस्तार तथा समान्तर टैक्सी ट्रैक के फेज-II एवं III से समन्वित उर्वरित जीएलएफ विद्युत कार्य।”

Name of Work :- “Holistic Development of Surat Airport including Extension of Terminal Building, Apron and Construction of Parallel Taxi Track.

Sub Head: - Balance GLF Electrical works of Apron Extension & Parallel Taxi Track- in Phase-II & III.”

संदर्भ / Reference :- आपकी निविदा / Your tender for Tender Id - 2023_AAI_172948_1
(Financial bid opening on Dt: 28.12.2023)

1. उल्लेखित कार्य हेतु आपकी निविदा के संबंध में, आपके द्वारा उद्धृत कुल ₹ 1,36,96,829.00 (रुपए: एक करोड़ छत्तीस लाख छानबे हजार आठसौं उनतीस मात्र) जी.एस.टी. छोड़कर जो की निविदा की आंकलन लागत राशि ₹ 1,55,65,736.00 से 12.01% % कम है, को अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से स्वीकृत किया जाता है।

Your tender for the above-mentioned work is hereby accepted on behalf of the Chairman, Airports Authority of India at the item rates quoted by you totaling to ₹ 1,36,96,829.00 (Rupees: One Crore Thirty Six Lakh Ninety Six Thousand Eight Hundred Twenty Nine Only) Excluding GST which is 12.01% below the estimated cost put to the tender ₹ 1,55,65,736.00.

2. संयुक्त महाप्रबंधक (अभि-वि.) भाविप्रा, सूरत एयरपोर्ट, सूरत - 394550, उपरोक्त कार्य के प्रभारी होंगे। आपसे निवेदन है कि आप के अधिकृत प्रतिनिधि, जिन्हें आपकी ओर से ठेका करार पर हस्ताक्षर करने का अधिकार हो, को दिनांक: 25.01.2024 तक संयुक्त महाप्रबंधक (अभि-वि.) के कार्यालय में भेजकर करार पर हस्ताक्षर करने तथा करार की कार्यवाही पूर्ण कराने का कष्ट करें। ठेका करार का निष्पादन तीन सौ रुपए मूल्य के गैर अदालती स्टैम्प पेपर (गुजरात) पर किया जाएगा तथा स्टैम्प पेपर का खर्च आपके द्वारा वहन किया जायेगा।

Jt. General Manager (Engg. - Elect.) AAI, Surat Airport, Surat - 394550, shall be the Engineer-In-Charge of the work. You are requested to depute your accredited representative, empowered to sign the contract agreement on your behalf to attend the office of the Jt.GM (Engg. - Elect.), AAI, Surat Airport, Surat by the 25.01.2024 to sign and complete the agreement. The contract agreement shall be executed on a Non-Judicial Stamp Paper (Gujarat) of value ₹ 300/- and the cost of the same shall be borne by you.

वा. ना. घटारे / B. N. GHATARE

संयुक्त महाप्रबंधक (अभि-विद्युत)

3. कृपया इस पत्र के जारी होने के 15 दिनों के अन्दर प्रतिभूति जमा के रूप में ₹ 13,69,683.00 (रुपये: तेरा लाख उनसत्तर हजार छः सौ तिरासी मात्र), की राशि इस कार्यालय में जमा करा दें अन्यथा संविदा की सामान्य शर्तों के पृष्ठ संख्या 29 पर दी गई शर्त 1 (ए), के अनुसार उक्त राशि आपके चालू बिल से काट ली जाएगी।

Please deposit ₹ 13,69,683.00 (Rupees: Thirteen Lakh Sixty Nine Thousand Six Hundred Eighty Three Only) towards security deposit within 15 days from the date of issue of this letter, failing which, the same will be deducted from your running bills as per General Terms & Conditions Clause 1 (A) on page 29 of the contract document.

4. आपसे अनुरोध है कि आप ठेका श्रमिक (विनियम एवं अन्मूलन) अधिनियम 1970 के उपबन्धों का अनुपालन करें। साथ ही ठेका श्रमिक (विनियम एवं अन्मूलन) केन्द्रीय नियमावली 1971 एवं केन्द्रीय एवं राज्य सरकारों के न्यूनतम वेतन तथा उससे सम्बन्धित अन्य नियमों का पालन करें।

You are requested to comply with the provisions of contract labour (Regulation and Abolition) Act of 1970 and contract labour (Regulation and Abolition) Central Rules 1971 and Minimum Wages Act and Rules there of Central and State Governments.

5. आपको यह भी निर्देश दिया जाता है कि आप सहायक प्रबंधक (अभि.-वि.), भा.वि.प्रा., सूरत से अविलम्ब सम्पर्क करें जो आपको कार्यस्थल सौंपने की व्यवस्था करेंगे।

You are directed to contact Asst. Manager (Engg. -E), AAI, Surat immediately who will arrange to hand over the site to you.

6. कृपया यह भी भली भांति नोट कर लें की निविदा के अनुसार कार्य निष्पादन हेतु अनुमत समय 10 (दस) माह है जो दिनांक 01/02/2024 से गिना जाएगा।

Please note that the time allowed for carrying out the work shall be 10 (Ten) Months, and same shall be reckoned from 01/02/2024

7. इस ठेके से संबंधित किसी भी प्रकार के पत्र व्यवहार के लिए संयुक्त महाप्रबंधक (अभि.-वि.), भारतीय विमानपत्तन प्राधिकरण, सूरत एयरपोर्ट, सूरत-394 550 को संबोधित करेंगे।

Any further correspondence in connection with the contract should normally be addressed to the Jt. GM (Engg. - Elect.), Airports Authority of India, Surat Airport, Surat – 394 550.

8. दोष दायित्व अवधि काम पूरा होने की तारीख से 12 महीने तक होगी।

The defect liability period shall be 12 Months from the date of completion of work.

9. कृपया इस पत्र की प्राप्ति सुचना दें तथा इसके साथ संलग्न प्रति पर हस्ताक्षर करके टोकन प्रतिग्रहण के रूप में अधोहस्ताक्षरी को वापस भेज दें
Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as a token of acceptance.

धन्यवाद / Thanking you,

संलग्न: Item Rate BOQ. (Page.1 to 5)


15/01/24

(बी.एन. घटारे) / (B.N. Ghatare)

संयुक्त महाप्रबंधक (अभि.-वि.) / Jt. Gen. Manager (Engg. - Elect)
कृते तथा की ओर से अध्यक्ष, भा.वि.प्रा. / For and on behalf of the Chairman, AAI
भा.वि.प्रा., सूरत विमानपत्तन, सूरत / AAI, Surat Airport, Surat

विशेष ध्यान : अर्थ निर्णय के सम्बन्ध में कोई विवाद होने पर अंग्रेजी पाठ को ही प्राधिकृत माना जाएगा।

Note: In the event of any dispute regarding interpretation the English text will be treated as authentic.

N.O.O. / मूल प्रातिलिपि पर नहीं

Copy to / प्रातिलिपि प्रेषित: -

बाह्य वितरण / External Distribution :-

1. क्षेत्रीय श्रम आयुक्त (मध्य), चंद्रप्रभा फ्लैट नंबर 2, कृष्णा नगर सोसाइटी, विपक्ष- मोतीबाग, प्लेस 7, नवापुरा, वडोदरा, गुजरात 390001.
Regional Labor Commissioner (Central), Chandraprabha flat No.2, Krishna Nagar Society, Opp- Motibaug, Place 7, Navapura, Vadodara, Gujarat 390001.
2. क्षेत्रीय पी.एफ. आयुक्त, ईपीएफओ, भविष्य निधि भवन, राम चौक, जी.डी.रोड, सूरत-395001.
Regional PF Commissioner, EPFO, Bhavishya Nidhi Bhavan, Ram Chowk, G.D.Road, Surat-395001.
3. अतिरिक्त आयकर आयुक्त, टीडीएस रेंज, कमरा नं.312, आयकर भवन, न्यू सिविल अस्पताल के सामने, मजुरागेट, सूरत।
Additional Commissioner of Income Tax, TDS Range, Room No.312, Aykar Bhavan, Opposite. New Civil Hospital, Majuragate, Surat.

आन्तरिक वितरण / Internal Distribution :-

1. कार्यपालक निदेशक, भा. वि. प्रा., केंद्रीय मुख्यालय, पश्चिमी क्षेत्र, दिल्ली.
Executive Director, AAI, CHQ, Western Region, Delhi.
2. क्षेत्रीय कार्यपालक निदेशक, भा. वि. प्रा., क्षेत्रीय मुख्यालय, पश्चिमी क्षेत्र, मुंबई.
Regional Executive Director, AAI, RHQ, Western Region, Mumbai.
3. महाप्रबंधक (अभि-वि.), भा. वि. प्रा., केंद्रीय मुख्यालय, पश्चिमी क्षेत्र, दिल्ली.
General Manager (Engg. -E), AAI, CHQ, Western Region, Delhi.
4. महाप्रबंधक (अभि), भा. वि. प्रा., क्षेत्रीय मुख्यालय, पश्चिमी क्षेत्र, मुंबई
General Manager (Engg), AAI, RHQ, Western Region, Mumbai
5. संयुक्त महाप्रबंधक (सतर्कता), भा.वि.प्रा., क्षेत्रीय कार्यपालक निदेशक कार्यालय (प.क्षे.) पारसीवड़ा के सामने, साहर रोड मुंबई
Jt.GM (Vigilance), AAI, Office of the RED (WR), Opp.Parsiwada, Sahar Road Mumbai
6. विमानपत्तन निदेशक, भा.वि.प्रा., सूरत एयरपोर्ट, सूरत
Airport Director, AAI, Surat Airport, Surat.
7. संयुक्त महाप्रबंधक (अभि-सि.), भा.वि.प्रा., सूरत एयरपोर्ट, सूरत
Jt. Gen. Manager. (Engg. -C), AAI, Surat Airport, Surat.
8. संयुक्त महाप्रबंधक (अभि-वि.), भा.वि.प्रा., सूरत एयरपोर्ट, सूरत
Jt. Gen. Manager. (Engg. -E), AAI, Surat Airport, Surat.
9. प्रभारी, (वित्त), भा.वि.प्रा., सूरत एयरपोर्ट, सूरत
In-Charge (Finance), AAI, Surat Airport, Surat.
10. सहायक प्रबंधक (अभि-वि.), भा. वि. प्रा., सूरत एयरपोर्ट, सूरत.
Asst. Manager (Engg. -E), AAI, Surat Airport, Surat.
11. वर्क फाइल / Work File
12. एग्रीमेंट / Agreement

 - 15/01/24.

(बी.एन. घटारे) / (B.N Ghatare)

संयुक्त महाप्रबंधक (अभि-वि.) / Jt. Gen. Manager (Engg. - Elect)
कृते तथा की ओर से अध्यक्ष, भा.वि.प्रा. / For and on behalf of the Chairman, AAI
भा.वि.प्रा., सूरत विमानपत्तन, सूरत / AAI, Surat Airport, Surat

विशेष ध्यान : अर्थ निर्णय के सम्बन्ध में कोई विवाद होने पर अंग्रेजी पाठ को ही प्राधिकृत माना जाएगा।

Note: In the event of any dispute regarding interpretation the English text will be treated as authentic.

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Validate Print Help		Item Rate BoQ					
Tender Inviting Authority: Asstt. General Manager (E-E)							
Name of Work: "Holistic Development of Surat Airport Including Extension of Apron and Terminal Building and Construction of Parallel Taxi Track. SH: Balance GLF Electrical works of Apron Extension & Parallel Taxi Track- in Phase-II & III."							
Contract No: AAI/SRT/AGM(E-E)/e-NIT-02/2023-24		Tender ID: 2023_AAI_172948_1					
Name of the Bidder/ Bidding Firm / Company :	TECHNO ELECTRICALS						
PRICE SCHEDULE							
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)							
NUMBER #		TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	13	53	55
1.01	Supply of 2 X 25 sq.mm Aluminum conductor PVC insulated, PVC sheathed (Inner sheath extruded) galvanized steel strip armoured anti termite and anti rodent treated under ground cable of 5 KV grade confirming to IS 1554 as amended upto date and as specified in particular specification.	Item 1	2080.00	Meter	297.00	617760.00	INR Six Lakh Seventeen Thousand Seven Hundred & Sixty Only
1.02	Supply of 1 Corex 6 sq.mm. Copper conductor PVC insulated, PVC sheathed single core unarmoured anti termite and anti rodent treated under ground cable of 5 KV grade confirming to IS 1554 as amended upto date	Item 2	2004.00	Meter	92.00	184368.00	INR One Lakh Eighty Four Thousand Three Hundred & Sixty Eight Only
1.03	Supply of 1 Core x 16 sq.mm. Copper conductor PVC insulated, PVC sheathed single core unarmoured anti termite and anti rodent treated under ground cable of 5 KV grade confirming to IS 1554 as amended upto date	Item 3	968.00	Meter	207.00	200376.00	INR Two Lakh Three Hundred & Seventy Six Only
1.04	Supply of 2 Core x 4 sq.mm Secondary lead of various length made out of multistranded annealed copper conductor PVC sheathed unshield anti-termite and anti-rodent treated 5 KV grade cable including connector etc. as specified and as required.	Item 4	1379.00	Meter	160.00	220640.00	INR Two Lakh Twenty Thousand Six Hundred & Forty Only
1.05	Supply of 2 x 105 watt Bi-directional INSET type, high intensity halogen type runway edge light fitting with one side Red lens & one side yellow lens//Amber lens/Green lens suitable for runway edge light complete with prefocus lamp holder 2 x 105w , halogen lamps, lens/spreader glass holding mechanism, reflector assembly ,shallow base box complete as per ICAO requirements.	Item 5	13.00	Each	56200.00	730600.00	INR Seven Lakh Thirty Thousand Six Hundred Only
1.06	Supply of INSET Omnidirectional suitable dia. LED type Medium Intensity Taxiway/apron edge light fittings suitable for operation at 6.6 A series circuit power supply complete with, Lens supporting mechanism, lens clamp mechanism, omni directional Blue lens, two pin secondary connecting lead with secondary connector, gasket and other accessories meeting ICAO/FAA requirements.	Item 6	60.00	Each	40000.00	2400000.00	INR Twenty Four Lakh Only
1.07	Supply of 3 x 105 watt Unidirectional INSET type, high intensity halogen type for Approach light fitting complete with prefocus lamp holder 3 x 105W , halogen lamps, lens/spreader glass holding mechanism, reflector assembly ,shallow base box ,secondray connector complete as per FAA/ICAO Annexure-14 requirements.	Item 7	2.00	Each	65000.00	130000.00	INR One Lakh Thirty Thousand Only
1.08	Supply of Elevated. Omni directional LED type Medium Intensity Taxiway/apron edge light fittings suitable for operation at 6.6 A series circuit power supply complete with, Lens supporting mechanism, lens clamp mechanism, omni directional Blue lens, Central column assembly, Breakable Coupling, two pin secondary connecting lead with secondary connector including Base Plate with 06 nos stainless steel M-10 Bolt nuts with spring washer, Gasket and other accessories. Fitting and its accessories shall have not less than 50000 burning hrs and meeting ICAO/FAA requirements as per the tender specifications.	Item 8	70.00	Each	4000.00	280000.00	INR Two Lakh Eighty Thousand Only

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NUMBER #		TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	13	53	55
1.09	Supply of following ratings, 5KV, 50Hz individual lamp series to series type isolating transformer encapsulated in polyester resin finally molded in neoprene rubber as specified in particular specification.						
1.10	15W, 6.6 /6.6Amps	Item 9	133.00	Each	2880.00	383040.00	INR Three Lakh Eighty Three Thousand & Forty Only
1.11	15W, 20 /6.6Amps	Item 10	22.00	Each	2880.00	63360.00	INR Sixty Three Thousand Three Hundred & Sixty Only
1.12	45W, 6.6 /6.6Amps	Item 11	6.00	Each	3200.00	19200.00	INR Nineteen Thousand Two Hundred Only
1.13	100W, 6.6 /6.6Amps	Item 12	115.00	Each	4255.00	489325.00	INR Four Lakh Eighty Nine Thousand Three Hundred & Twenty Five Only
1.14	200W, 20 /6.6Amps	Item 13	14.00	Each	4800.00	67200.00	INR Sixty Seven Thousand Two Hundred Only
1.15	300W, 6.6 /6.6Amps	Item 14	3.00	Each	6500.00	19500.00	INR Nineteen Thousand Five Hundred Only
1.16	Supply & making field connections by crimping 6 Sq.mm plug and receptacle with existing 6 Sq.mm single core copper conductor PVC insulated and PVC sheathed cable including filling the gap with water sealant material applying HT tape over PVC tape etc as required. (A set shall consist of one male and one female connector).	Item 15	157.00	Each	460.00	72220.00	INR Seventy Two Thousand Two Hundred & Twenty Only
1.17	Installation, testing and commissioning of elevated type LED Taxiway, Runway Guard Light & Apron edge light fittings in the existing transformer housing box including secondary cable & connector of suitable length etc for connection with isolating transformer complete as per site requirement and as decided by E-I-C.	Item 16	70.00	Each	120.00	8400.00	INR Eight Thousand Four Hundred Only
1.18	Moulding of secondray cable size 2Cx4.0 Sq.mm of 5KV grade at site with required 2pin male/female connector complete as required.	Item 17	93.00	Set	500.00	46500.00	INR Forty Six Thousand Five Hundred Only
1.19	Providing of following size HDPE/DWC HDPE pipe as per IS including suitable size PP rope, etc. complete in all respect as required.						
1.20	110 mm OD with minimum wall thickness 5.90mm, PN 6 PE 80/100 HDPE pipe (IS:4984-2016 marked)	Item 18	440.00	Meter	332.00	146080.00	INR One Lakh Forty Six Thousand & Eighty Only
1.21	50 mm OD with minimum wall thickness 2.4 mm, PN 6 PE-80/100 HDPE pipe (IS:4984-2016 marked)	Item 19	600.00	Meter	86.00	51600.00	INR Fifty One Thousand Six Hundred Only
1.22	Laying of HDPE pipe of following Size with HDD trenchless methood direct in ground (upto 5mtr below ground level for taxi/runway /road crossing including suitable size PP rope, etc. complete in all respect as required.						
1.23	63 mm dia (OD-63 mm & ID-51 mm nominal)	Item 20	3640.00	Meter	180.00	655200.00	INR Six Lakh Fifty Five Thousand Two Hundred Only
1.24	120 mm dia (OD-120 mm & ID-103 mm nominal)	Item 21	560.00	Meter	275.00	154000.00	INR One Lakh Fifty Four Thousand Only
1.25	Laying of HDPE pipe of following Size with HDD trenchless methood direct in ground (upto 5mtr below ground level for taxi/runway /road crossing including suitable size PP rope, etc. complete in all respect as required.						
1.26	110mm HDPE pipe	Item 22	440.00	Meter	400.00	176000.00	INR One Lakh Seventy Six Thousand Only
1.27	50mm HDPE pipe	Item 23	600.00	Meter	300.00	180000.00	INR One Lakh Eighty Thousand Only

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NUMBER #		TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT Without Taxes in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	13	53	55
1.28	Supply and installation base plate suitable for round Cast Iron transformer housing boxes encloser of size 330 mm (L) X 330 mm (W) and up to 4mm (Thickness) . The Top Surface cover shall have 6 no's M 10 tapped hole at the centre & as per site requirement sample approved by EIC etc. complete as required.	Item 24	100.00	Each	675.00	67500.00	INR Sixty Seven Thousand Five Hundred Only
1.29	SITC of cubical type totally enclosed outdoor feeder pillar, powder coated, dust and vermin proof of size upto 400mm(H) X 500MM(W)X300MM(D) suitable for 2 X 25 SQ.MMM., 5 KV AFL cable fabricated from CRCA sheet of 2mm thick complete with suitable rating 2 nos aluminum busbar fitted on a suitable size porcelain insulator, hinged front door with locking arrangement, suitable size MS angle iron stand of height 400 mm with breakable coupling legs. job also includes the PCC foundation work for feeder pillar etc. Complete as required.	Item 25	5.00	Job	12500.00	62500.00	INR Sixty Two Thousand Five Hundred Only
1.30	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade / 5KV airfield cable /OFC of following size in the existing RCC / HUME / METAL/PVC/DWC/HDPE Pipe as required.						
1.31	Upto 35 sqmm	Item 26	5052.00	Meter	15.00	75780.00	INR Seventy Five Thousand Seven Hundred & Eighty Only
1.32	Supply and Making end termination with brass compression gland and aluminum lugs for following size XLPE insulated and PVC sheathed Aluminum conductor cable of following KV grade as required.						
1.33	2x25 sq mm 5KV grade airfield cable	Item 27	4.00	Each	400.00	1600.00	INR One Thousand Six Hundred Only
1.34	3.5 x 240 Sq.mm 1.1KV grade airfield cable	Item 28	20.00	Each	900.00	18000.00	INR Eighteen Thousand Only
1.35	Fabrication & Supply of Guidance Sign Board of various size as per ICAO standards (Legend as approved by Engineer-In-Charge) made out of aluminum profile structure, panel shall be made of 2mm thick powder coated aluminum sheet, 4mm polycarbonate sheet with glare free face having minimum width 100 mm and suitable no. of supports at back by 50 mm dia (Nominal Size) die cast aluminum / GI Pipe frangible coupling as per latest ICAO/FAA requirement at separation along with provision of suitable PCC foundation as required. Light source shall be high lumen with 50000 hrs life,suitable Watts LED's (Make: Osram/ cree/ nichia/ lumileds/ philips) assembled on aluminum PCB of size 700mm X 20mm and having 11 LED's per/mtr or proportionate PCB for boards(Approved by Engineer-In-Charge) to achieve illumination as per latest ICAO/FAA requirement . The thickness of the aluminum PCB should be 2mm in order to ensure proper heat dissipation. These aluminum PCB's should be placed not more than 160mm apart across the length of the board in order to ensure uniform distribution of light across the board. Each board of length 800mm to 1500 mm should be illuminated by single converter single isolating transformer & above 1500 mm should be illuminated by double converter & double isolating transformer of suitable capacity. Board illumination shall be uniform(constant) with the variable input current from 2.8 to 6.6 A. The letter and symbol should be screen printed on inside of sign face made of self adhesive film of 3M applied on the inside face with required colouring. Suitable arrangement shall be made for water tight, dust proof and locking arrangement i/c all other accessories, secondary leads, suitable converter to constant current series system & converter shall able to operate on either any one ckt with two inputs from double series ckts ., nut bolt , cable connections etc as required etc.	Item 29	70.00	Sq. Mtr	32500.00	2275000.00	INR Twenty Two Lakh Seventy Five Thousand Only

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1	2	3	4	5	13	53	55
1.36	Supply and Making Straight through Joint with heat shrinkable kit including ferrules and other jointing materials for following size PVC insulated PVC sheathed / XLPE aluminum conductor cable of following KV grade as required.						
1.37	2 x 25 Sq.mm. of 5 KV grade						
1.38	3.5 x 240 Sq.mm of 1.1 KV grade	Item 30	4.00	Each	1203.00	4812.00	INR Four Thousand Eight Hundred & Twelve Only
1.39	Construction of cable chamber of inner size 900mm(L) x900mm(W) x900mm(D) which includes excavation and disposal of excavated in all kinds of soil earth lead upto 50 m and providing & laying of 100 mm cement concrete of 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) grade at the bottom of the chamber and Brick work with common burnt clay bricks at foundation and plinth in Cement mortar 1:4 (1 cement : 4 coarse sand) with 12 mm cement plaster finished with neat cement of mix 1:3 (1 cement: 3 fine sand). Chamber shall be provided drain pipe in the bottom and cover of chamber size chequer plate of 8mm thick with MS Angle frame made of 50x50x5mm and shall be provided with lifting hooks as required.	Item 31	20.00	Each	3000.00	60000.00	INR Sixty Thousand Only
1.40	Installation testing and commissioning of INSET type Runway edge/ Apron edge light fitting including preparation of core cutting in existing bituminous pavement(flexible) /cement concrete pavement (rigid) payment of required size, installation & fixing of shallow base using suitable resin compound with alignment with the surrounding surface area, fixing & assembly of fitting in the shallow base and making connection etc with secondary lead including connection with isolating transformer and ITC of the isolating transformer etc complete as required.	Item 32	45.00	Each	13000.00	585000.00	INR Five Lakh Eighty Five Thousand Only
1.41	Providing and laying earth connection from earth electrode with 6 SWG dia. GI wire in 15 mm dia. GI pipe from earth electrode including connection with GI thimble excavation and refilling etc. as required	Item 33	75.00	Each	5300.00	397500.00	INR Three Lakh Ninety Seven Thousand Five Hundred Only
1.42	Providing and laying 6 SWG dia. GI wire on surface or in recess for loop earthing along with the existing cable on surface/recessed/in cable trench or in pipes etc. complete as required.	Item 34	920.00	Meter	250.00	230000.00	INR Two Lakh Thirty Thousand Only
1.43	Providing and fixing of advance technology earth electrode earthing system fabricated from hot deep galvanized pipes (pipe in pipe technology) & cavity between pipes pressure filled with highly conductive non-corrosive crystalline material complete with chemically modified homogeneous earth enhancing compound (back fill compound 25 Kg) to treat the soil for lowering the effective ground impedance for each earth pit to make it maintenance free and to minimize the ground voltage potential rise i/c excavation of earth pit suitable to accommodate earth electrode, prefabricated FRP enclosure with cover plate all as reqd. & conforming to (IS:3043 : 1987) duly CPRI/ERDA approved all as required & as specified for Size :- Outer pipe dia = 80mm Inner pipe dia = 40mm Length of electrode = 3 Mtr	Item 35	10000.00	Meter	21.00	210000.00	INR Two Lakh Ten Thousand Only
1.44	Earthing with 'B' class G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing precast enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	Item 36	46.00	Set	7700.00	354200.00	INR Three Lakh Fifty Four Thousand Two Hundred Only
1.45	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.	Item 37	36.00	Set	5888.00	211968.00	INR Two Lakh Eleven Thousand Nine Hundred & Sixty Eight Only
1.46	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Item 38	138.00	Meter	800.00	110400.00	INR One Lakh Ten Thousand Four Hundred Only
		Item 39	50.00	Meter	240.00	12000.00	INR Twelve Thousand Only

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1	2	3	4	5	13	53	55
1.47	Supply of round Cast Iron transformer housing boxes of size 330 mm (L) X 330 mm (W) X 450 mm (H) made out of 10mm thick CI with top surface cover. The box shall have following number of to&fro clear hole having centre at 75 mm above bottom surface to receive 50 mm dia pipe (GI/HDPE) ,01 No. 20mm did hole perpendicular to the 50mm hole and having two earth bolts and four nuts with washer of 10x40 mm welded inside near the hole (4" away from the hole centre) and having a drain hole at the bottom suitably tapped to receive 15mm dia 'B' class GI pipe. The Top Surface cover shall have a clear opening of 220 dia at top surface and 6 nos M 10 tapped hole at the centre of 260 mm to receive light fitting base plate etc. complete as required.						
1.48	Single Hole	Item 40	30.00	Meter	5500.00	165000.00	INR One Lakh Sixty Five Thousand Only
1.49	Double Hole	Item 41	20.00	Meter	5600.00	112000.00	INR One Lakh Twelve Thousand Only
1.50	Supply and laying of 50mm OD, PN 6 , PE 100 HDPE pipe (IS:4984-2016 marked) with all accessories i/c suitable size PP rope in the existing bituminous road/runway side shoulder/taxiway/runway including excavation and refilling and making good the same with 1:2:4 PCC etc. complete as required.	Item 42	500.00	Meter	425.00	212500.00	INR Two Lakh Twelve Thousand Five Hundred Only
1.51	Laying of Secondray lead of Size 2x4 sq. mm 5kV grade copper cable in pipe by curb cutting on the surface of runway/taxiway for inset light fitting and filling the curb by suitable adhesive /other material complete as required.	Item 43	1379.00	Meter	400.00	551600.00	INR Five Lakh Fifty One Thousand Six Hundred Only
1.52	Supply & Fixing of anticorrosive and chemical resistant cable junction box of size up to 200mm x 160mm x 98mm (Hansel K 9250 or equivalent including fixing on the MS pipe of canopy structure with MS suitable clamps and neutral link and 4 way, 16 amp. terminal block for cable termination in the box and arrangement for providing loop earthing etc. complete as required.	Item 44	8.00	Each	2700.00	21600.00	INR Twenty One Thousand Six Hundred Only
1.53	Installation, testing and Commissioning of Guidance Sign Board of various size includes installation tranformer and providing secondray leads , ESNA connector etc i/c supply of all amaterial except isolating transformer etc. the cement concrete of 1:2:4 grade foundation of size 400x400x500 mm (For each leg) and total base of 150 mm thick which extended all around the board with a distance of 1500 mm (front, back & both sides). The concrete base leg foundation shall be on the same level and 20-25mm above the ground level for each Sign board.	Item 45	53.00	Each	12500.00	662500.00	INR Six Lakh Sixty Two Thousand Five Hundred Only
Total in Figures						13696829.00	INR One Crore Thirty Six Lakh Ninety Six Thousand Eight Hundred & Twenty Nine Only
Quoted Rate in Figures						13696829.00	One Crore Thirty Six Lakh Ninety Six Thousand Eight Hundred & Twenty Nine Only
Quoted Rate in Words			Select			13696829.00	INR One Crore Thirty Six Lakh Ninety Six Thousand Eight Hundred & Twenty Nine Only

Signature Not Verified

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BABULAL DESHMUKH
Date: 2024.09.06 16:23:39 IST
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PSUs

R. Ghatare
का. ना. घटारे / **N. GHATARE**
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