

सं: एएआई/सिल/स.म.प्र. (ई.-ई.)/ लाइटनिंग अरेस्टर/2022-23/W.O-02/ 194-201
Ref: AAI/SIL/ENGG-E/LIGHTNING ARRESTOR/2022-23/W.O-02/

दिनांक: 29.06.2022

Date: 29.06.2022

सेवा,
एम/एस. वृन्दा नानो टेक्नोलॉजिस प्राइवेट लिमिटेड,
प्लॉट नॉ. 418, सेक-7-II, आईएमटी मानेसर, गुरुग्राम,
हरयाणा - 122050, भारत

To,
M/s VRINDA NANO TECHNOLOGIES PVT LTD,
Plot No. 418, SEC-7-II, IMT Manesar, Gurugram,
HARYANA - 122050, INDIA.

कार्य का नाम :- पप्रोविसन ऑफ एडवांस लाइटनिंग अरेस्टर एंड ग्राउंडिंग सिस्टम फॉर टर्मिनल बिल्डिंग एट सिलचर एयरपोर्ट। सह: पप्रोविसन ऑफ एक्सटर्नल लाइटनिंग प्रोटेक्शन एट सिलचर एयरपोर्ट।

Name of Work: - Provision of Advance Lightning Arrestor and Grounding System for Terminal Building at Silchar Airport. SH: Provision of External Lightning Protection at Silchar Airport.

(Tender ID: 2022_AAI_115150_1)

प्रिय महोदय / Dear Sir (s),

- उपर्युक्त कार्य के लिए आपका ई-टेंडर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आपके द्वारा उद्धरित मद दर जिसकी कुल राशि रु. 18,44,170/- जीएसटी के बिना (अठारह लाख चौवालीस हजार एक सौ सत्तर केवल) लागत रु 17,75,535/- से 3.87% अधिक है, स्वीकृत किया जाता है।

Your E-Tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the item rates quoted by you totaling to Rs. 18,44,170/- excluding GST (Rupees Eighteen Lakh Forty Four Thousand One Hundred and Seventy Only) which is 3.87% Above the Justified cost of Rs. 17,75,535/-.

- सहायक महाप्रबंधक (अभि-विद्युत) कार्य के लिए प्रभारी इंजीनियर होंगे। आपसे अनुरोध है कि आप अपना प्रत्यायित प्रतिनिधि जिसे कि आप की ओर से संविदा करार पर हस्ताक्षर करने की शक्ति दी गई है। सहायक महाप्रबंधक (अभि-विद्युत) के कार्यालय में करार पर हस्ताक्षर करने के लिए दिनांक 14.07.2022 को तैनात करें। (संविदा करार रु.100/- के नॉन ज्युडिशियल स्टाम्प पेपर पर निष्पादित किया जाएगा और स्टाम्प पेपर की लागत आपको ही वहन करनी होगी।)

Assistant General Manager (Engg.-Elect.), AAI, Silchar Airport, Silchar shall be the Engineer-in-Charge for the work. You are requested to attend the O/o Assistant General Manager Engg (E), AAI, Silchar Airport by 14.07.2022 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100/- (Rupees Hundred only) and the cost of the stamp paper shall be borne by you.

- कृपया इस पत्र के जारी होने के 10 दिन में सुरक्षा जमा के लिए रु. 1,84,417/- जमा करवा दें, ऐसा नहीं करने पर संविदा दस्तावेज की शर्त के अनुसार आपके रनिंग बिल से काट ली जाएगी।

Please deposit Rs. 1,84,417/- towards security deposit within 10 (Ten) days from the date of issue of this letter, failing which, the same will be deducted as per condition of the Contract document.

- आपसे अनुरोध है कि संविदा श्रमिक (विनियमन एवं समापन) अधिनियम 1970 और संविदा श्रमिक (विनियमन एवं समापन) केन्द्रीय नियमावली 1971, अधिन, केन्द्रीय और राज्य सरकार के न्यूनतम मजदूरी अधिनियम और ई.पी.एफ.एक्ट, 1952 एवं ई. एस. आई. एक्ट नियमों का पालन करें।

You are requested to comply with provision of Contract Labour (Regulation and Abolition) Act of 1970 and contract (Re regulation and Abolition) Central rules 1971, Minimum Wages Act & Rules, EPF Act, 1952 and ESI act thereof Central & State Governments.

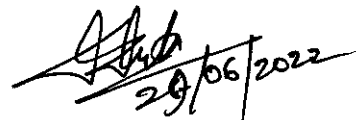
5. आपको निर्देश दिए जाते हैं कि आप प्रबंधक (अभि-बिद्युत) से तत्काल सम्पर्क करें जो कि आपको कार्यस्थल सुपुर्दकरने कि व्यवस्था करेंगे।
You are also directed to contact **Manager (Engg-E)**, AAI, Silchar Airport immediately who will arrange to hand over the site to you.
6. कृपया यह नोट कर लें कि काम करने का समय **03 (तीन) महीने** होगा और इसकी गणना **8th जुलाई 2022** से की जाएगी।
Please note that the time allowed for carrying out the work shall be **03 (Three) months** and same shall be reckoned from **8th July 2022**.
7. कार्य का दोष दाखित **12 (बारह) माह** होगी।
The defect liability period of the work shall be **12 (Twelve) months**.
8. संविदा के संबंध में आगे किया जाने वाला पत्राचार समान्यतः इंजीनियर प्रभारी से किया जाए।
Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-Charge.
9. कृपया इस आदेश की प्राप्ति को स्वीकार करें।
Please acknowledge the receipt of this order.
10. यदि कोई विसंगति पाई जाती है तो अंग्रेजी भाषा ही मान्य होगी।
In case any discrepancy is found, then English version will be taken as correct.

धन्यवाद/ Thanking you.

भवदीय / Yours faithfully

Encl: 1. Schedule of Quantities

अनुलग्नक : 1. अनुसूची की मात्रा



देवदीप दत्ता (DEBDEEP DUTTA)
सहायक महाप्रबंधक (अभि-विद्युत)
Asstt. G.M. (Engg.-Elect.)
भा.वि.प्रा., सिलचर हवाई अड्डा
AAI, Silchar Airport

Tender Inviting Authority: Asstt. G.M. (Engg-Electrical), AAI, Silchar Airport.

Name of Work: Provision of Advance Lightning Arrestor and Grounding System for Terminal Building at Silchar Airport (SH: Provision of External Lightning Protection at Silchar Airport).

Tender Id: 2022_AAI_115150_1

Name of the Bidder/ Bidding Firm / Company :		VRINDA NANO TECHNOLOGIES PRIVATE LIMITED				
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	Quantity	Units	BASIC RATE (Excluding GST) In Figures To be entered by the Bidder Rs. P	TOTAL AMOUNT (Excluding GST) in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1	Supply, Installation, Testing & Commissioning of Parallel Connectors for (700mm air terminal) connecting two conductors in parallel manner. Material- superior grade Stainless Steel, with clamping range- Rd / Rd 7-10 mm complete as required.	60.00	Each	590.00	35400.00	INR Thirty Five Thousand Four Hundred Only
2	Supply, Installation, Testing & Commissioning of Air-termination rod of diameter- 10 mm, length- 1000 mm, of material- Al chamfered on both ends complete as required.	4.00	Each	650.00	2600.00	INR Two Thousand Six Hundred Only
3	Supply, Installation, Testing & Commissioning of Air-termination rod having length- 3000 mm, of Material- AlMgSi, of Diameter Ø 16 / 10 mm, chamfered on both ends complete as required.	27.00	Each	1400.00	37800.00	INR Thirty Seven Thousand Eight Hundred Only
4	Supply, Installation, Testing & Commissioning of Air-termination rod having length- 3500 mm, of Material- AlMgSi, of Diameter Ø 16 / 10 mm, chamfered on both ends complete as required.	2.00	Each	2150.00	4300.00	INR Four Thousand Three Hundred Only
5	Supply, Installation, Testing & Commissioning of Air-termination rod having length- 4500mm, of Diameter Ø22/16/10 mm, of radius 320 mm, Material of air-termination rod- Al, Material of tripod- St/tZn complete as required.	4.00	Each	36250.00	145000.00	INR One Lakh Forty Five Thousand Only
6	Supply, Installation, Testing & Commissioning of Air-termination rod having length- 5500mm, of Diameter Ø22/16/10 mm, of radius 320 mm, Material of air-termination rod- Al, Material of tripod- St/tZn complete as required.	1.00	Each	20150.00	20150.00	INR Twenty Thousand One Hundred & Fifty Only
7	Supply, Installation, Testing & Commissioning of Side Wall Clamp for air terminal, Material - superior grade Stainless Steel, Clamping range - 16/10 mm complete as required.	70.00	Each	910.00	63700.00	INR Sixty Three Thousand Seven Hundred Only
8	Supply, Installation, Testing & Commissioning of protecting roofing sheets of material EVA (Ethylene-vinyl acetate) under the concrete base of approx weight 17 kg. complete as required. Size of the roofing sheet is approx outside diameter 370 mm and inside diameter 360 mm.	22.00	Each	260.00	5720.00	INR Five Thousand Seven Hundred & Twenty Only
9	Supply, Installation, Testing & Commissioning of Concrete base for air-termination rods, for self-supporting airtermination rods in the tripod. Support Wedge- Ø16 mm, Diameter- Ø 337 mm, Material- concrete, Material of wedge- superior grade Stainless Steel & approx Weight 17kg.	61.00	Each	610.00	37210.00	INR Thirty Seven Thousand Two Hundred & Ten Only
10	Supply, Installation, Testing & Commissioning of Air-termination rod clamps for connecting air-termination rods with one or two conductors. Material of clamp Al, with clamping range of air-termination rod 8-10 mm and the clamping range of conductor Rd 2x 8-10 mm complete as required.	4.00	Each	350.00	1400.00	INR One Thousand Four Hundred Only

29/05/2022
AKM (L-6)

11	Supply, Installation, Testing & Commissioning of Air-termination rod clamps for connecting air-termination rods with one or two conductors. Material of clamp Al, with clamping range of air-termination rod 16 mm and Clamping range of conductor Rd 2x 8-10 mm complete as required.	29.00	Each	260.00	7540.00	INR Seven Thousand Five Hundred & Forty Only
12	Supply, Installation, Testing & Commissioning of Universal connector of Material- superior grade Stainless Steel, with clamping range- 8- 10mm, with truss head screw of approx size M10x35 mm complete as required.	141.00	Each	150.00	21150.00	INR Twenty One Thousand One Hundred & Fifty Only
13	Supply, Installation, Testing & Commissioning of Roof Conductor of Diameter Ø8 mm, Cross-section- 50 mm ² , of Material- AlMgSi complete as required.	1160.00	Mtr	165.00	191400.00	INR One Lakh Ninety One Thousand Four Hundred Only
14	Supply, Installation, Testing & Commissioning of Conductor holder for Parapet wall/Side wall of Material- superior grade Stainless Steel, for Rd 8-10 mm FI 20 mm, Height- 20 mm complete as required.	560.00	Each	175.00	98000.00	INR Ninety Eight Thousand Only
15	Supply, Installation, Testing & Commissioning of Conductor holder with a slotted saddle clamp, for fixing round conductors. For use with different materials, e.g. Al, superior grade Stainless Steel, St/Zn and Cu, fixed conductor routing, with female thread complete as required.	100.00	Each	80.00	8000.00	INR Eight Thousand Only
16	Supply, Installation, Testing & Commissioning of Conductor holder with a slotted saddle clamp, for fixing round conductors. For use with different materials, e.g. Al, superior grade Stainless Steel, St/Zn and Cu, fixed conductor routing, with female thread complete as required.	500.00	Each	130.00	65000.00	INR Sixty Five Thousand Only
17	Supply & application of Lord glue for connecting metal to metal.	3.00	Each	9515.00	28545.00	INR Twenty Eight Thousand Five Hundred & Forty Five Only
18	Supply & application of Lord glue for connecting metal to fiberglass.	2.00	Each	7500.00	15000.00	INR Fifteen Thousand Only
19	Supply, Installation, Testing & Commissioning of Connection Clamps for Steel/metal column. Clamping range of the clamp- 3-18 mm, Material of the clamp- superior grade Stainless Steel, Clamping range of conductor Rd 6-10 mm complete as required.	10.00	Each	490.00	4900.00	INR Four Thousand Nine Hundred Only
20	Supply, Installation, Testing & Commissioning of Pipe clamp for integrating pipes into the protective and functional equipotential bonding, complete version with adjustable superior grade Stainless Steel tensioning strap, for connecting 1 conductor Rd D10 mm or 1-2 conductors Rd D6-8 mm or 4-50 mm ² (solid / stranded) to pipe size 16-89 mm (3/8-3") complete as required.	10.00	Each	650.00	6500.00	INR Six Thousand Five Hundred Only
21	Down conductor: Supply, Installation, Testing & Commissioning of Conductor of Diameter Ø8 mm, Cross-section- 50 mm ² , of Material- AlMgSi complete as required.	150.00	Mtr	175.00	26250.00	INR Twenty Six Thousand Two Hundred & Fifty Only
22	Down conductor: Supply, Installation, Testing & Commissioning of Conductor holder for Parapet wall/Side wall of Material- superior grade Stainless Steel, for Rd 8-10 mm FI 20 mm, Height- 20 mm complete as required.	150.00	Each	190.00	28500.00	INR Twenty Eight Thousand Five Hundred Only
23	Down conductor: Supply, Installation, Testing & Commissioning of CUI Conductor the dangerous area of touch and step voltages for living beings is defined as an area of approx. 3 m around the down conductor, from ground level up to a height of approx. 3 m. Material of conductor- Cu, Material of insulation- XLPE, Diameter Ø conductor- 20 mm complete as required.	39.00	Each	16500.00	643500.00	INR Six Lakh Forty Three Thousand Five Hundred Only


 29/06/2022
 AGM (S)

24	Down conductor: Supply, Installation, Testing & Commissioning of Conductor Holders for installing the CUI conductor on walls or facades. Conductor leading- fixed, Material of conductor holder- superior grade Stainless Steel, Conductor holder support- Rd 20 mm, Height of conductor holder- 10 mm complete as required.	117.00	Each	520.00	60840.00	INR Sixty Thousand Eight Hundred & Forty Only
25	Down conductor: Supply, Installation, Testing & Commissioning of Universal connector of Material- StSt, with clamping range- 8-10mm, with truss head screw M10x35 mm complete as required.	39.00	Each	135.00	5265.00	INR Five Thousand Two Hundred & Sixty Five Only
26	Earthing: Supply, Installation, Testing & Commissioning of UNI Disconnecting Clamps with intermediate plate for round and flat conductor of Material- superior grade Stainless Steel, Material thickness- 2.5 mm, with clamping range- Rd / Fl 8-10 / 30 mm complete as required.	20.00	Each	225.00	4500.00	INR Four Thousand Five Hundred Only
27	Earthing: Supply, Installation, Testing & Commissioning of GI flat (25x6mm) Strip. Having width- 25mm, Thickness- 6mm, Material- Hot dipped Galvanized Iron, Cross Section- 150 mm ² Coating thickness- Avg. 70 microns complete as required.	100.00	Mtr	245.00	24500.00	INR Twenty Four Thousand Five Hundred Only
28	Earthing: Supply, Installation, Testing & Commissioning of GI strip holder of material- Dow moulded compound, having height- 19mm, Slot Size- 25x6 mm complete as required.	40.00	Each	100.00	4000.00	INR Four Thousand Only
29	Earthing: Supply, Installation, Testing & Commissioning of Earthing Copper bonded rod with Low carbon steel, high tensile strength copper bonded rod with min 254 microns of copper plating, Diameter- 17.2 mm, Length- 3 meters, Material- Copper Bonded, Coating thickness- 250 microns (min). The backfill material shall be highly conductive and should be non - polluting and safe for use near potable ground water systems. The backfill Material shall be carbon based, low resistance, non corrosive, highly conductive powdered material that improves grounding effectiveness, especially in areas of high soil resistivity such as rocky and sandy areas. This material shall be suitable to be installed in either slurry or dry form. The backfill material shall confirm to the following specifications: (20Kg Quantity) a) Shall be highly electrically conductive and non-soluble. b) Shall not leach into ground. c) Shall have a resistivity of less than 0.12 ohm meter d) Shall be compatible with all copper grounding systems. e) Shall contain a corrosion inhibitor to mitigate corrosion of copper f) Shall contain Sulphur less than 2%. g) Shall have pH value between 6.5 to 7.5 h) Shall be tested for loss of ignition test at 800° + Centigrade and the result shall be less than 5%. i) Shall not contain hazardous chemicals j) Shall not be affected by drought and shall be stable between -60° to +60° C temperature. k) Shall not depend on continuous presence of moisture for conductivity. StSt 316 grade clamp to terminate the load on earth electrode. Dimension- 160x35x3 mm., Poly plastic pit cover of material- Polymer Body & Cover, approx dimensions- 308 mm (L) x 308 mm (W) X 214 mm (H), Weight 2.5 kg (5.50 LBS).	10.00	Each	24750.00	247500.00	INR Two Lakh Forty Seven Thousand Five Hundred Only
Total in Figures					1844170.00	INR Eighteen Lakh Forty Four Thousand One Hundred & Seventy Only
Quoted Rate in Words					INR Eighteen Lakh Forty Four Thousand One Hundred & Seventy Only	

Signature Not Verified

Digitally signed by DEBDEEP DUTTA
Date: 2022.08.17 15:17:32 IST
Location: eProcurement System for Central PSUs



[Signature]
29/06/2022
Asstt.G. M. (Engg-I)
AAI, Silchar Airport