

TENDER EVALUATION - TECHNICAL BID

TENDER NO.: AAI/ANS/CNS/VOML/2021/RF PIGTAIL/T-05 Dated: 22/12/2021 (E-Tender ID.:2021_AAI_99164_01)

Name of the work: Supply of RF pigtails, coaxial surge protectors, N-type connectors, and 50 ohm terminators for CNS at AAI, Mangaluru International Airport

Tender Document reference	Documents to be submitted	COMPLIED/NOT COMPLIED		
		M/s. Nexpo Power Solutions Private Limited	M/s. Vinsurwaves	M/s. Ground e3g Private Limited
12(i)	Annexure-I: Sealed and signed Undertaking of unconditional acceptance prepared in the letter head of the bidder	Complied	Not Complied	Complied
12(ii)	Tender Fee: The Non-Refundable Tender Fee of ₹.590/- (Rupees Five Hundred and ninety only) shall be submitted through the online payment option available in CPP Portal. Copy of successful online transaction details towards payment	Complied (Exempted)	Complied (Fee paid)	Complied (Exempted)
Ref. Clause: 12.7	Duly signed and sealed copy of NSIC certificates if applicable.	Complied (Not Applicable)	Complied (Not Applicable)	Complied (Not Applicable)
12(iii) Ref. Clause: 12.3.7	Annexure-II: Power of Attorney in respect of the Authorized Signatory as per Annexure-II	Complied (Not Applicable)	Complied (Not Applicable)	Complied
12(iv) Ref. Clause: 12.4	Annexure-III: All bidders shall submit Bid Security Declaration (Earnest Money Declaration) as per Annexure-III	Complied	Not Complied	Complied
12(v)	Annexure-IV: Duly filled and signed "Pre-Qualification & Technical Bid" Checklist as per Annexure-IV	Complied	Not Complied	Complied
12(vi) Ref. Clause: 12.3.5	Annexure-V: Undertaking on not blacklisting, as per Annexure-V	Complied	Not Complied	Complied
12(vii) Ref. Clause: 12.3.1 to 12.3.4	Annexure-VI: Declaration/Undertaking as per Annexure-VI.a AVI.b and Proof of being Original Equipment Manufacturer (OEM) or Authorized Representative (AR) of OEM or System Integrator (SI).	Complied	Not Complied	Complied
12(viii)	Copy of valid Permanent Account number (PAN)	Complied	Complied	Complied

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AGM (CNS)G Sandeep
SM (CNS)

12(ix)	Copy of GST registration certificate.	Complied	Complied	Complied
12(x) Ref. Clause: 12.10.1	Copies of relevant purchase orders duly signed by authorized signatory as a proof of experience of works claimed by the bidder.	Complied (MSME)	Not Complied	Complied (MSME)
12(xi) Ref. Clause: 12.10.2	Performance/Experience/completion certificates duly signed by authorized signatory and issued by the end user.	Complied (MSME)	Not Complied	Complied (MSME)
12(xii) Ref. Clause: 12.9	Certified copy issued from Chartered Accountant for certifying financial turnover for the last THREE YEARS and Abridged Balance Sheets along with Profit & Loss Account.	Complied (MSME)	Not Complied (Submitted only 2 years financial data)	Complied (MSME)
12(xiii) Ref. Clause: 13.1	Duly signed, stamped and digitally signed Section A – General Conditions of Contract.	Complied	Not Complied (Not submitted)	Complied
12(xiv) Ref. Clause: 13.2	Duly signed, stamped and digitally signed Section B – Special Conditions of Contract. Refer clause 13.2	Complied	Not Complied (Not submitted)	Complied
12(xv) Ref. Clause: 13.3	Duly Filled signed, stamped and digitally signed Section C – Technical & Qualitative Requirement along with necessary documents/technical brochures in support of Technical compliance.	Complied	Not Complied (Not submitted)	Complied
12(xvi) Ref. Clause: 13.4	Duly signed, stamped and digitally signed Section D: Notice Inviting Tender (NIT).	Complied	Complied	Complied
12(xvii) Ref. Clause: 13.5	ANNEXURE-VII (Unpriced Bill of Quantity) WITHOUT INDICATING THE PRICE.	Complied	Complied	Complied
12(xviii)	Duly signed & sealed document for claiming MSME, NSIC & Make in India (MII) purchase preference	Complied	Not Applicable	Complied
Ref. Clause: 13.3	Signed & sealed copy of Technical brochures and other documents towards proof of compliance of Section-C.	Complied	Not Complied (Brochure supplied are insufficient to identify the product offered)	Complied
Annexure-XII	Declaration for clause no. 20 of NIT as per annexure-XII	Complied	Not Complied (Not submitted)	Complied
Annexure-XIII	Declaration for Non-applicability of E-Invoicing under GST Act as per Annexure-XIII	Complied	Not Complied (Not submitted)	Complied

Sandeep G
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SECTION- C PART A & B: SYSTEM DESIGN AND TECHNICAL REQUIREMENTS**BILL OF QUANTITY FOR SUPPLY OF RF PIGTAILS, COAXIAL SURGE PROTECTORS, N-TYPE CONNECTORS AND 50OHM TERMINATORS**

SL. No.	Description of item	Quantity	COMPLIED/NOT COMPLIED		
			M/s. Nexpo Power Solutions Private Limited	M/s. Vinsurwaves	M/s. Ground eca3g Private Limited
1.	Supply of N-TYPE RF Connectors (Male Type)	10 Nos	Complied	Complied	Complied
2.	Supply of N-TYPE RF Connectors (Female Type)	10 Nos	Complied	Complied	Complied
3.	Supply of RF pigtails (5 mtr each) using RG213 flexible coaxial cable with N-Type male connector on one side and N-type female connector on other side	35 Nos	Complied	Not Complied (Cable make VINSUR is not included in the approved list of cables as per tender)	Complied
4.	Supply of N-Type 50 Ohm RF Coaxial terminator (Female Type)	20 Nos	Complied	Complied	Complied
5.	Supply of Coaxial Surge Protection Devices	30 Nos	Complied	Complied	Complied

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QUALITATIVE REQUIREMENT: TECHNICAL SPECIFICATIONS IN DETAIL1. & 2. RF CONNECTORS

SL. No	Description	Required rating/value	Complied/Not Complied		
			M/s. Nexpo Power Solutions Private Limited	M/s. Vinsurwaves	M/s. Ground eca3g Private Limited
a	Connector Type	Standard N - Type, Male and Female	Complied	Complied	Complied
b	Straight/right angled	Straight	Complied	Complied	Complied
c	Connection method	Outer conductor: Clamping Inner conductor: Solder	Complied	Complied	Complied
d	Cable size	RG213, Flexible	Complied	Complied	Complied
e	Impedance	50 Ohms	Complied	Complied	Complied
f	Frequency	0-11GHz	Complied	Complied	Complied
g #	Make (make offered shall be specified)	RADIALL / AMPHENOL	RADIALL	AMPHENOL	RADIALL / AMPHENOL

29/02/2022

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3. RF PIGTAILS

SL. No	Description	Required rating/value	Complied/Not Complied		
			M/s. Nexpo Power Solutions Private Limited	M/s. Vinsurwaves	M/s. Ground eca3g Private Limited
b	Operating frequency range	VHF range (117-137MHZ)	Complied	Complied	Complied
c	Impedance	50 Ohms	Complied	Complied	Complied
d	Connector Type	Standard N - Type, Male and Female	Complied	Complied	Complied
e	Straight/right angled	Straight	Complied	Complied	Complied
f	Connection method	Outer conductor: Clamping Inner conductor: Solder	Complied	Complied	Complied
g	Operating frequency range	VHF range (117-137MHZ)	Complied	Complied	Complied
h	Impedance	50 Ohms	Complied	Complied	Complied
i #	Cable Make (make offered shall be specified)	RALLISON/ DELTON / CMI LEGRAND/UNICAB/ AVOCAB/RR KABEL/ BHANSALI / GEMSCAB/ CORDS/ SCHNEIDER/ UNIVERSAL /MOLEX/AMP/ SKYTONE/ RPG/UNIFLEX/AVAYA/ METRO/SKYLINE/DELTRON/	Complied Cable make: DELTON	Not Complied Cable make: VINSUR (Cable make VINSUR is not included in the approved list of cables as per tender)	Complied Cable make: POLYCAB
j #	Connector Make (Make offered shall be specified)	RADIALL / AMPHENOL	RADIALL	AMPHENOL	RADIALL / AMPHENOL

Handwritten signature and date: 05/08/2022

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AGM (CNS)

Handwritten signature

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4. RF COAXIAL 50OHM TERMINATOR

SL. No	Description	Required rating/value	Complied/Not Complied		
			M/s. Nexpo Power Solutions Private Limited	M/s. Vinsurwaves	M/s. Ground eca3g Private Limited
a	Connector Type	Standard N -Type, Female	Complied	Complied	Complied
b	Straight/right angled	Straight	Complied	Complied	Complied
c	Power handling capacity	1W minimum	Complied	Complied	Complied
d	Impedance	50 Ohms	Complied	Complied	Complied
e	Frequency	DC- 1 GHz Minimum	Complied	Complied	Complied
f #	Make (Make offered shall be specified)	RADIALL / AMPHENOL	Complied	AMPHENOL	RADIALL / AMPHENOL

5. RF COAXIAL SURGE PROTECTOR

SL. No	Description	Required rating/value	Complied/Not Complied		
			M/s. Nexpo Power Solutions Private Limited	M/s. Vinsurwaves	M/s. Ground eca3g Private Limited
a	SPD Test Class according to EN/IEC 61643-21	C2, D1	Complied	Complied	Complied
b	Identification and Markings	As per IEC 61643-21	Complied	Complied	Complied
c	Technology	GD tube (Replaceable)	Complied	Complied	Complied
d	Maximum continuous voltage Uc	≥ 180V	Complied	Complied	Complied
e	Frequency of operation	0 – 1GHz minimum	Complied	Complied	Complied
f	Response time (tA)	≤ 100nS	Complied	Complied	Complied

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g	Lightning impulse current (10/350 μ s) (Iimp)	≥ 2.5 kA	Complied	Complied	Complied
h	Nominal discharge current(8/20 μ s) (In)	≥ 20 kA	Complied	Complied	Complied
i	Voltage protection level, Up (Core- Shield)	≤ 1.1 kV	Complied	Complied	Complied
j	Input Attenuation/Insertion loss	≤ 0.2 dB	Complied	Complied	Complied
k	Impedance	50 Ω	Complied	Complied	Complied
l	Max .power	≥ 150 W	Complied	Complied	Complied
m	Connector type	N-male to N-female bulkhead	Complied	Complied	Complied
n	Earth connection	Via suitable screw ground lug	Complied	Complied	Complied
o	Mounting	L shaped Mounting bracket (To be supplied along with the SPD)	Complied	Complied	Complied
p	Standards for compliance	IEC61643-21	Complied	Complied	Complied
q #	Make (Make offered shall be specified)	FINDER/L&T/LEGRAND/ PHOENIX / DEHN /CITEL/ DEHN/TERCEL/JMV/ MERCEN/CAPE/EATON/ HUBER SUHNER/LCOM/ OBO BETTERMANN	Complied Make: CITEL Model: P8AX25-N/MF	Complied Make: L-COM Model: NMMFB	Complied Make: Tercel Model No. ISOCX

No. of Technical bid Opened: 3

No. of bidders qualified: 2

Name of the qualified bidders:

- 1) M/s. Nexpo Power Solutions Private Limited
- 2) M/s. Ground eca3g Private Limited

Jayaprakashan T V
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Prashant
Madhu T A
AGM (CNS)

Sandeep
G Sandeep
SM (CNS)

Signature Not Verified

Digitally signed by HARIDASAN EMBRAN T N
Date: 2022.03.23 16:01:23 IST
Location: eProcurement System for Central PSUs