



नव मंगलूरु पत्तन प्राधिकरण **NEW MANGALORE PORT AUTHORITY**
इलेक्ट्रिकल इंजिनियरिंग डिविजन / Electrical Engineering Division
पणंबूर मंगलूरु / Panambur, Mangalore – 575 010.

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No.1/RFID/EE(E)II/2024

Date:19.04.2024

To,
Website

Sir,

Sub: NMPA - EE(E)II – Supply of Vehicle RFID cards - Budgetary offer requested – Reg.

Budgetary offer for “Supply of Vehicle RFID cards” are invited as per specification attached and in accordance with the Terms and Conditions of Contract as detailed below, to be sent by **E-mail on or before 25.04.2024**.

| SNo | Item Description | Qty | Rate/Per Card (Rs.) | Total amount (Rs.) |
|-----|-----------------------|----------|---------------------|--------------------|
| 1 | Vehicle RFID cards | 2000 Nos | | |
| | Applicable GST in (%) | | | |

Terms & Conditions of the Contract:

1. The time allowed for supply is **30 days** from the date of issue of work order.
2. The rate quoted shall be firm and applicable GST shall be mentioned separately.
3. Please note that no advance payment will be made. Payment will be made within 15 days after satisfactory receipt of the subject item to the entire satisfaction of the Officer-in-Charge.
4. Income Tax if applicable at the applicable rates will be recovered from the gross amount of the firm's bill as per the relevant provisions of the Acts.
5. The Rates quoted should be valid for **90 days**.

Yours faithfully,

Encl: Specification

Sd/-

Executive Engineer (E)I
NMPA Panambur.

Specification

| Sl.No | Parameter | Particular |
|--------------|-------------------------------|--|
| 1 | Tag Design | Tamper-evident design as required by NMPT |
| 2 | Artwork | For windshield project's unique optional personalized graphic design printed with 3 colors on the substrate. |
| 3 | Variable information | Variable information such as barcode or text is printed directly on the same substrate of the tag. Barcode can be of different formats. |
| 4 | Passive RFID Operation | RFID passive type |
| 5 | Tag Size | Credit card size |
| 6 | Flexibility | Flexible and Thin. Minimum 700 microns |
| 7 | Protocol | ISO/IEC 18000-6C |
| 8 | Data | Up to 640 kbps data transfer rate.32 Bit Access and 32 Bit Kill Passwords. |
| 9 | Sensibility | -14dBm in the UHF frequency band |
| 10 | Storage Temperature | -40`C to +100`C |
| 11 | ESD Voltage Immunity | +/- 3 KV |
| 12 | Transferable | The tag should be transferable. |
| 13 | Security | The tag should have a master key lock mechanism. |
| 14 | Data Protection | Password authentication to data. |
| 15 | Durability | Durability of at least five years from the delivery of materials and proper installation according to the installation instructions under normal environmental conditions. |
| 16 | IR and UV protection | Ultraviolet (UV) and infrared (IR) protection of the chip on both sides of the tag. |
| 17 | Operating Frequency | 865-867 MHz |
| 18 | Memory | Minimum total memory chip 800-bits. Unique 64 bit Tag Identifier. |
| 19 | EEPROM | EEPROM write cycles to 100,000 cycles. EEPROM data retention of 5 years. |
| 20 | Operating Temperature | -40`C to +85`C |
| 21 | Relative Humidity | 100% condensing |

