



आईएसओ 9001-2015 पत्तन
AN ISO 9001-2015 PORT



**MORMUGAO PORT AUTHORITY
MATERIALS MANAGEMENT DIVISION
ENGINEERING (MECHANICAL) DEPARTMENT**

MM/NS/TM/014/2022/

dated: 10.05.2022

To,

Dear Sir,

Sub:- Budgetary quotation No. MM/NS/TM/014.

You are requested to kindly furnish your budgetary quotation for the subject items shown below:-

Sr. No.	Description	Qty. & Unit	Rate/ Unit (Rs.)	Freight /Unit (Rs.)	Insurance /Unit (Rs.)	Others /Unit (Rs.)	GST/ Unit (Rs.)	FOR Destination Amount /Unit (Rs.)	HSN Code & Brand
1.	Polyester labels size 85 x 54 mm including Resin Ribbon	1,80,000 Nos.							
2.	Mifare Cards, PVC, 85x54mm, with pre-printed backside (colour & B/W), white, for use in MPT, as per specifications at Annexure-A	7000 nos.							

Kindly note that we are a Govt. of India organization, and as such:-

1. **VALIDITY:** Your budgetary quotation should be valid for 60 days from the date of opening.
2. **Kindly mention the Brand/Make of item quoted by you.**
3. Kindly submit your budgetary quotation on or before due date i.e. **25/05/2022.**

Thanking you,

Yours faithfully,

SR. DY. MATERIALS MANAGER

Technical Description

Sr. No.	Description	Unit	Qty.
1.	PAL Rolls (size 85 x 54mm)	Nos.	1,80,000
2.	Mifare Cards, PVC, 85x54mm, with pre-printed backside (colour & B/W), white, for use in MPT, as per specifications.	Nos.	7,000

TECHNICAL DETAILS OF MIFARE CARDS

1. The contactless smart card shall function as an access control card, used with access reader to gain entry in controlled areas and to hold identification information specific to the user.
2. The contactless smart card shall be a passive device, with an operating frequency of 13.56 MHz, and shall meet the contactless cards (14443 Type 1, 2 & 3 A). Generic command set should be based on ISO/IEC 7816-4.
3. The card shall be available as a single RFID solution designed for interoperability with 13.56 MHz readers.
4. The card shall offer a memory size of 1 K-Byte on the Mifare side.
5. It should be 820 GSM thick so that it can take normal wear and tear.
6. Contactless smart card shall meet the following environmental Specifications:-
 - a. Operating Temperature: -40 C to 70 C.
 - b. Operating Humidity: 5% to 95 % relative humidity non-condensing.
7. The warranty of contactless smart cards shall be for 1 year against defect on Plain Smartcards.
8. All cryptographic algorithm modes of operation protocols and mechanism used by the card shall be based on Mifare standards.
9. The smart card shall support ISO/IEC 14443 Specification.
10. The cards shall be loaded with an application that leverages existing standards for maximum interoperability and heightened protection against attacks.
11. Programmable platform: The card shall use a Micro processor to support post issuance update in the field and support retrieval of protected data formats. The card shall be ready for future applications.
12. All contactless communication shall be secured by a secure messaging established after mutual authentication between the card and the off card application. Each secure session relies on diversify AES Keys that are setup at the start of each session, Keys are 64 bit.
13. The cards shall support multiple applications as part of the available memory. Each application can be loaded with different data set and memory size.
14. The application management's commands shall be based on ISO/IEC 7816/13 of 2007.
15. The cards shall be printed in four colour variable print.