

Eligibility Criteria

- 1) The card should incorporate Philips Mifare Desfire Chip no. MF3ICD40 or compatible (4 Kbytes) with part no. as MF3MOD4001DV/06.
- 2) ISO-9001 certified facility for smart card manufacturing & in-house MIFARE DESFire 4K Inlay Manufacturing.
- 3) Supplier should present certifications / registration for their Smart card business. Manufacturing Experience of at least 2 years for Mifare Desfire 4K smart cards (Chip No NXP MF3ICD40 or compatible) and having successfully completed a minimum manufacturing and supply of 2,00,000 smart cards/PreLams using Mifare Desfire 4k or compatible, using in house manufactured Inlays for AFC/Transport applications in the last 2 years. Tenderer should specify and submit documents along with the bid to substantiate this. The supplier shall provide a list of references of same type of card deliveries done by him and their respective applications.
- 4) The compatible chip should support RF & Mifare Desfire command set and file system.
- 5) The Complete base material for manufacturing the smart card including Inlay, outer layer and the card body must be PETG material.
- 6) Card Antennae: the construction of the contactless smart card antenna for the inlay should be made of copper wire and should be embedded copper type only.
- 7) Card manufacturer must submit an valid ARSENAL Certificate of Mifare Desfire 4k or compatible smart cards to ensure the quality, reliability and compatibility of the Mifare Desfire 4k based smart cards. The certified smart cards must be manufactured using in-house manufactured Inlays with the Mifare desfire 4K or compatible. The detailed test report should also be submitted to prove the details of chip and inlays used in the certified cards.
- 8) The Manufacturer must have had an Indian office for minimum last 3 years. This is required so as to support card printing & customization needs of DMRC during the card supply phase and post issuance support.
- 9) The manufacture shall provide atleast 2 letters of satisfactory performance of its supplies of exactly the same card as offered for minimum 2 years each. The following details are to be given:
 - a. Name of Organization to whom supplied
 - b. Customer contact Name, email and Phone Number
 - c. Scope undertaken by bidder
 - d. Total Quantity supplied.
 - e. ISO Standard for cards

- f. Financial criteria.
 - g. In satisfactory operational use, minimum for last 2 years, (with name of Project).
- 10) A declaration that vendor has not been blacklisted /debarred by any Government agency.
- 11) A declaration that the product being offered does not in any way infringe on international copy right regulations.
- 12) The supplier to produce recognized certifications (for item 'a' below) and to confirm through tests or produce recognized laboratory certificates (for items 'b' & 'c'), that the supplied card (Mifare Desfire or compatible) meets following international standards:
 - a. Electrical specifications should comply with Arsenal Certification from Mifare Arsenal Institute. Arsenal Certification to be submitted for Desfire or compatible chip along with the bid.
 - b. Dimensional Specifications to comply with ISO 14443-1.
 - c. Mechanical / environmental tests complying to ISO IEC 10373 as detailed in the acceptance tests.
- 13) Ten numbers of Cards to be provided along with Tender for testing. Each card should have engraved serial number and manufacturer name. . Further, the Tenderer should be able to demonstrate compliance of these sample cards, to this Tender's specifications at his manufacturing plant or third party recognized test laboratory, if called for by DMRC. All costs shall be borne by the Tenderer for these tests.