+44 20 8123 2220
info@marketpublishers.com

Smart Card Industry in India: SIM, Identity, Banking, Transport, Healthcare, Pay TV, Loyalty & PDS

https://marketpublishers.com/r/S6475778D6CEN.html
Date: April 2013
Pages: 119
Price: US$ 1,000.00 (Single User License)
ID: S6475778D6CEN

Abstracts

In Pugalur - a small village in Tamil Nadu, Swami a 55 year old farmer goes out to withdraw some money from his bank account. He takes out a smart card from his pocket and gives it to a business correspondent - a bank appointed agent who comes to the village with an electronic handheld device connected to the bank. The business correspondent takes Swami’s smart card and inserts it on his hand held device facilitating withdrawal of his money, deposits and other transactions.

Smart cards have not only changed Swami’s life but also the lives of millions of Indians living in remote villages who previously had no access to any kind of financial services. Be it an identity card, credit card, drivers license, health insurance card or a metro pass; smart cards are not only rapidly replacing paper and magnetic stripe cards wherever they are in use but have also started penetrating into sectors that had remained untapped so far.

In technology terms, smart cards resemble similar to “dumb” magnetic stripe cards, but with one major difference: embedded in them is a computer chip, either to process data held on the card, or to act as an access key to data that is held remotely. Smart cards are more secure than simple plastic or magnetic stripe cards and are more versatile, being able to store more data and operate multiple applications.

Till recently, the telecom sector has been the only prominent user of smart cards in the country. The picture is now undergoing a radical change. Driven by a number of public and private initiatives, the use of smart cards is getting more and more diversified. During 2013-2018, we expect smart cards to further percolate into a number of other sectors such as credit/debit cards, financial inclusion, public distribution, healthcare, identity management, transportation, etc. The versatile application of smart cards can

+44 20 8123 2220
info@marketpublishers.com

be further validated from the fact that the telecom sector, which represented the biggest application sector in 2012, accounted for more than 70% of the total market volumes. In contrast, the National Population Register, which is expected to represent the biggest application segment in 2018, is expected to account for less than 31% of the total market volumes by 2018.

IMARC's new report entitled "Smart Card Industry in India: SIM, Identity, Banking, Transport, Healthcare, Pay TV, Loyalty & PDS" gives a deep insight into the Indian smart cards market. The research study serves as an analytical as well as a statistical tool to understand not only the market trends, structure, drivers and restraints but also the outlook of the market till 2018. This report aims to serve as an excellent guide for investors, researchers, consultants, marketing strategists, and all those who are planning to foray into the Indian smart cards market in some form or the other.

What We Have Achieved in this Report

Comprehensive situation analysis of the Indian smart cards market and its dynamics.

Identifying all application segments/sub-segments and quantifying their current and future market potential.

Providing a robust long range value and volume forecast for all segments and sub-segments.

Providing an understanding of key drivers and restraints and their impact on current and future market scenario.

Smart Card Application Segments and Sub-segments Covered in this Report

Telecommunication

National Population Register Project

Public Distribution System

Pay TV

+44 20 8123 2220
info@marketpublishers.com

Loyalty Cards

Financial Services

Credit / Debit Cards

Financial Inclusion

PAN Cards

Travel Identity

Driving License

Vehicle Registration Certificates

E-Passports

Automated Fare Collection

Metro Rail Projects

Bus Projects

Indian Railways

Healthcare

Rashtriya Swasthya Bima Yojna

Other Healthcare Applications

Focus of the Analysis for Each Segment and Sub-segment

Segment/Sub-segment Overview

Smart Card Implementation Scenario

+44 20 8123 2220
info@marketpublishers.com

Historical and Future Smart Card Volume Demand

Historical and Future Smart Card Value Demand

Research Methodology

Initial Exploration of the Indian Smart Cards Market: Conducted primary and secondary market research to complement/enhance our current knowledge and to identify key market segments and sub-segments.

Qualitative Market Research: Interviewed various industry stakeholders to gain a comprehensive insight into all major segments and sub segments. This included understanding key metrics and events such as smart card requirements, current and future demand, implementation timelines, success & risk factors, costs, etc.

Quantifying the Current and Future Market Potential: Consolidated our results to quantify the value and volume potential of smart cards in each segment and sub-segment.

Validating Our Results: Collaborated with industry stakeholders to validate our results and findings.

Information Sources

Information has been gleaned from both primary and secondary sources:

Primary sources include industry surveys and face to face/telephone interviews with industry experts.

Secondary sources include proprietary databases and search engines. These sources include company websites, reports, books, trade journals, magazines, white papers, industry portals, government sources and access to more than 4000 paid databases.

+44 20 8123 2220
info@marketpublishers.com

Contents

1. RESEARCH METHODOLOGY & MARKET DEFINITIONS

2. EXECUTIVE SUMMARY

3. SMART CARD INDUSTRY IN INDIA: MARKET PERFORMANCE

3.1 Historical & Current Demand
3.2 Historical and Current Demand by Application
3.3 Demand Forecast
3.4 Demand Forecast by Application

4. SMART CARD INDUSTRY IN INDIA: MARKET BY APPLICATION

4.1 Telecommunications
  4.1.1 Application Overview
  4.1.2 Smart Card Sales & Volume: Current Trends & Forecast
4.2 National Population Register
  4.2.1 Application Overview
  4.2.2 Smart Card Sales & Volume: Current Trends & Forecast
4.3 Public Distribution Systems
  4.3.1 Application Overview
  4.3.2 Smart Card Sales & Volume: Current Trends & Forecast
4.4 Pay TV
  4.4.1 Application Overview
  4.4.2 Smart Card Sales & Volume: Current Trends & Forecast
4.5 Loyalty Cards
  4.5.1 Application Overview
  4.5.2 Smart Card Sales & Volume: Current Trends & Forecast
4.6 Financial Services
  4.6.1 Credit/Debit Cards
    4.6.1.1 Application Overview
    4.6.1.2 Smart Card Sales & Volume: Current Trends & Forecast
  4.6.2 Financial Inclusion
    4.6.2.1 Application Overview
    4.6.2.2 Smart Card Sales & Volume: Current Trends & Forecast
  4.6.3 PAN Cards
    4.6.3.1 Application Overview

+44 20 8123 2220
info@marketpublishers.com

4.6.3.2 Smart Card Sales & Volume: Current Trends & Forecast
4.7 Travel Identity
4.7.1 E-Passports
4.7.1.1 Application Overview
4.7.1.2 Smart Card Sales & Volume: Current Trends & Forecast
4.7.2 Driving License
4.7.2.1 Application Overview
4.7.2.2 Smart Card Sales & Volume: Current Trends & Forecast
4.7.3 Registration Certificates
4.7.3.1 Application Overview
4.7.3.2 Smart Card Sales & Volume: Current Trends & Forecast
4.8 Health Care
4.8.1 Rashtriya Swasthya Bima Yojana
4.8.1.1 Application Overview
4.8.1.2 Smart Card Sales & Volume: Current Trends & Forecast
4.8.2 Other Healthcare Projects.
4.9 Automated Fare Collection
4.9.1 Metro Rail Projects
4.9.1.1 Delhi Metro
4.9.1.2 Kolkata Metro
4.9.1.3 Bangalore Metro
4.9.1.4 Mumbai Metro
4.9.1.5 Hyderabad Metro
4.9.1.6 Chennai Metro
4.9.1.7 Other Metro Projects
4.9.2 Bus Transportation
4.9.2.2 Mumbai?s and Navi Mumbai?s Public Bus Transport System
4.9.2.3 Karnataka?s Public Bus Transport System
4.9.2.4 Other Bus Transport Systems
4.9.3 Indian Railways

5. DRIVERS

5.1 India Provides One of the World’s Largest Consumer Base for Mass Market Applications
5.2 India’s Growing Mobile Subscriber Base Will Continue to Drive Demand in the Telecom Sector .
5.3 e-Governance Initiatives to Create a Huge Demand in the Public Sector
5.4 Modernization of Public Transport Systems is Expanding Smartcard Usage

+44 20 8123 2220
info@marketpublishers.com

5.5 Identity Management is Creating a Huge Opportunity for Smart Cards
5.6 Retail & Banking Sectors Offer Immense Potential

6. CHALLENGES

6.1 Implementing Smartcard Based Systems Requires Substantial Infrastructure Investments
6.2 Limited Awareness & Resistance to Technological Changes
6.3 Systemic Delays
6.4 Chip Prices Have Been Declining in Recent Years

7. KEY COMPANY PROFILES

+44 20 8123 2220
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

Figure 3-1: India: Smart Card Market: Sales Volume (in Millions), 2006 - 2012
Figure 3-2: India: Smart Card Market: Sales Value (in Billion INR), 2006 - 2012
Figure 3-3: India: Smart Card Market Forecast: Sales Volume (in Millions), 2013-2018
Figure 3-4: India: Smart Card Market Forecast: Sales Value (in Billion INR), 2013-2018
Figure 3-5: India: Smart Card Market: Cumulative Sales Volume Breakup by Application, 2013-2018
Figure 3-6: India: Smart Card Market: Cumulative Sales Value Breakup by Application, 2013-2018
Figure 4-1: India: Mobile Subscribers (in Millions), 2005-2012
Figure 4-2: India: Telecom Sector: Smart Card Volumes (in Millions), 2005-2012
Figure 4-3: India: Telecom Sector: Smart Card Values (in Million INR), 2005-2012
Figure 4-4: India: Telecom Sector: Smart Card Volume Forecast (in Millions), 2013-2018
Figure 4-5: India: Telecom Sector: Smart Card Value Forecast (in Million INR), 2013-2018
Figure 4-6 : India: Total & 18+ Population (in Millions), 2010-2018
Figure 4-7 : India: National Population Register Project: Smart Card Volume Forecast (in Millions), 2014-2018
Figure 4-8 : India: National Population Register Project: Smart Card Value Forecast (in Million INR), 2014-2018
Figure 4-9: India: Ration Cards: Smart Card Volume Forecast (in Millions), 2013 to 2018
Figure 4-10: India: Ration Cards: Smart Card Value Forecast (in Million INR), 2013 to 2018
Figure 4-11: India: Number of Television Households, DTH Households & Cable TV Households (in Millions), 2010-2012
Figure 4-12: India: Number of Television Households, DTH Households & Cable TV Households (in Millions), 2013-2018
Figure 4-13: India: Pay TV Market: Smart Card Volumes (in Millions), 2010-2012
Figure 4-14: India: Pay TV Market: Smart Card Values (in Million INR), 2010-2012
Figure 4-15: India: Pay TV Market Forecast: Smart Card Volumes (in Millions), 2013-2018
Figure 4-16: India: Pay TV Market Forecast: Smart Card Values (in Million INR), 2013-2018
Figure 4-17: India: Loyalty Card Market: Total Card Volumes (in Millions), 2011-2012
Figure 4-18: India: Loyalty Card Market: Smart Card Volumes (in 000?s), 2011-2012

+44 20 8123 2220
info@marketpublishers.com

Figure 4-19: India: Loyalty Cards Market: Smart Card Values (in Million INR), 2011-2012
Figure 4-20: India: Loyalty Card Market Forecast: Total Card Volumes (in Millions), 2013-2018
Figure 4-21: India: Loyalty Card Market Forecast: Smart Card Volumes (in 000?s), 2013-2018
Figure 4-22: India: Loyalty Cards Market: Smart Card Value Forecast (in Million INR), 2013-2018
Figure 4-23: India: Credit & Debit Cards in Circulation (in Millions), 2004- 2012
Figure 4-24: India: Banking Services: Smart Card Volumes (in Millions), 2010 - 2012
Figure 4-25: India: Banking Services: Smart Card Values (in Million INR), 2010-2012
Figure 4-26 : India: Credit & Debit Cards in Circulation (in Millions), 2013 - 2018
Figure 4-27 : India: Banking Services Forecast: Smart Card Volumes (in Millions), 2013 - 2018
Figure 4-28 : India: Banking Services Forecast: Smart Card Values (in Million INR), 2013-2018
Figure 4-29 : India: Microfinance Accounts (in Millions), 2006- 2012
Figure 4-30 : India: Microfinance Accounts Forecast (in Millions), 2013- 2018
Figure 4-31 : India: Number of MGNREGA Job Cards Issued (in Millions), 2006 - 2012
Figure 4-32 : India: Financial Inclusion: Smart Card Volumes (in Millions), 2010 - 2012
Figure 4-33 : India: Financial Inclusion: Smart Card Values (in Million INR), 2010 - 2012
Figure 4-34 : India: Financial Inclusion Forecast: Smart Card Volumes (in Millions), 2013 - 2018
Figure 4-35 : India: Financial Inclusion Forecast: Smart Card Values (in Million INR), 2013 - 2018
Figure 4-36 : India: PAN Cards Forecast: Smart Card Volumes (in Millions), 2014-2018
Figure 4-37 : India: PAN Cards Forecast: Smart Card Values (in Million INR), 2014-2018
Figure 4-38 : India: E-Passport Forecast: Smart Card Volumes (in Millions), 2014-2018
Figure 4-39 : India: E-Passport Forecast: Smart Card Values (in Million INR), 2014-2018
Figure 4-40 : India: Driving License Forecast: Smart Card Volumes (in Millions), 2013-2018
Figure 4-41 : India: Driving License Forecast: Smart Card Values (in Million INR), 2013-2018
Figure 4-42 : India: Vehicle Registration Certificates: Smart Card Volumes (in Millions), 2010-2012
Figure 4-43 : India: Vehicle Registration Certificates: Smart Card Values (in Million INR), 2010-2012
Figure 4-44 : India: Vehicle Registration Certificate Forecast: Smart Card Volumes (in

Millions), 2013-2018
Figure 4-45 : India: Vehicle Registration Certificate Forecast: Smart Card Values (in Million INR), 2013-2018
Figure 4-46: India: RSBY Project: Smart Card Volumes (in Millions), 2008-2012
Figure 4-47: India: RSBY Project: Smart Card Values (in Million INR), 2008-2012
Figure 4-48: India: RSBY Project Forecast: Smart Card Volumes (in Millions), 2013-2018
Figure 4-49: India: RSBY Project Forecast: Smart Card Values (in Million INR), 2013-2018
Figure 4-50 : India: Delhi Metro: Daily Ridership (in Millions), 2010-2012
Figure 4-51 : India: Delhi Metro Forecast: Daily Ridership (in Millions), 2013-2018
Figure 4-52 : India: Delhi Metro: Smart Card Volumes (in 000?s), 2010-2012
Figure 4-53 : India: Delhi Metro: Smart Card Values (in Million INR), 2010-2012
Figure 4-54 : India: Delhi Metro Forecast: Smart Card Volumes (in 000?s), 2013-2018
Figure 4-55: India: Delhi Metro Forecast: Smart Card Values (in Million INR), 2013-2018
Figure 4-56 : India: Kolkata Metro: Daily Ridership (in 000?s), 2010-2012
Figure 4-57 : India: Kolkata Metro Forecast: Daily Ridership (in 000?s), 2013-2018
Figure 4-58 : India: Kolkata Metro Forecast: Smart Card Volumes (in 000?s), 2012-2018
Figure 4-59 : India: Kolkata Metro Forecast: Smart Card Values (in Million INR), 2012-2018
Figure 4-60 : India: Bangalore/Namma Metro: Daily Ridership (in 000?s), 2011-2012
Figure 4-61 : India: Bangalore/Namma Metro Forecast: Daily Ridership (in 000?s), 2013-2018
Figure 4-62 : India: Bangalore Metro/Namma Metro Forecast: Smart Card Volumes (in 000?s), 2012-2018
Figure 4-63 : India: Bangalore Metro/Namma Metro Forecast: Smart Card Values (in Million INR), 2012- 2018
Figure 4-64 : India: Mumbai Metro Forecast: Daily Ridership (in 000?s), 2013-2018
Figure 4-65: India: Mumbai Metro Forecast: Smart Card Volumes (in 000?s), 2013-2018
Figure 4-66 : India: Mumbai Metro Forecast: Smart Card Values (in Million INR), 2013-2018
Figure 4-67 : India: Hyderabad Metro Forecast: Daily Ridership (in 000?s), 2015-2018
Figure 4-68 : India: Hyderabad Metro Forecast: Smart Card Volumes (in 000?s), 2015-2018
Figure 4-69 : India: Hyderabad Metro Forecast: Smart Card Values (in Million INR), 2015-2018
Figure 4-70 : India: Chennai Metro Forecast: Daily Ridership (in 000?s), 2014-2018
Figure 4-71 : India: Chennai Metro Forecast: Smart Card Volumes (in 000?s), 2014-2018

+44 20 8123 2220
info@marketpublishers.com

Figure 4-72 : India: Chennai Metro Forecast: Smart Card Values (in Million INR), 2014-2018
Figure 4-73 : India: Ahmadabad BRTS Forecast: Daily Ridership (in 000?s), 2012-2018
Figure 4-74: India: Ahmadabad BRTS Forecast: Smart Card Volumes (in 000?s), 2012-2018
Figure 4-75: India: Ahmadabad BRTS Forecast: Smart Card Values (in Million INR), 2012-2018
Figure 4-76: India: BEST & NMMT Forecast: Smart Card Volumes (in 000?s), 2011 - 2018
Figure 4-77: India: BEST & NMMT Forecast: Smart Card Values (in Million INR), 2011-2018
Figure 4-78: India: KSRTC & BMTC Forecast: Smart Card Volumes (in 000?s), 2013 - 2018
Figure 4-79: India: BMTC & KSRTC Forecast: Smart Card Values (in Million INR), 2013 - 2018
Figure 4-80: India: Indian Railways Forecast: Smart Card Volumes (in Millions), 2012-2018
Figure 4-81: India: Indian Railways Forecast: Smart Card Values (in Million INR), 2012-2018
Figure 5-1: India: Breakup of Cash & Electronic Transactions by Volume (in %), 2011

+44 20 8123 2220
info@marketpublishers.com

List Of Tables

LIST OF TABLES

Table 1-1: India: Smart Card Market Definition
Table 2-1: India: Executive Summary: Smart Card Market: Market Breakup by Application: Sales Volume (in Millions), 2011-2018
Table 2-2: India: Executive Summary: Smart Card Market: Market Breakup by Application: Sales Value (in Million INR), 2011-2018
Table 3-1: India: Smart Card Market: Market Breakup by Application: Sales Volume (in Millions), 2011-2012
Table 3-2: India: Smart Card Market: Market Breakup by Application: Sales Value (in INR), 2011 - 2012
Table 3-3: India: Smart Card Market Forecast: Market Breakup by Application: Sales Volume (in Millions), 2013-2018
Table 3-4: India: Smart Card Market Forecast: Market Breakup by Application: Sales Value (in Million INR), 2013 - 2018
Table 3-5: India: Smart Card Market Forecast: Sales Volume Breakup by Application (in %), 2013-2018
Table 3-6: India: Smart Card Market Forecast: Sales Value Breakup by Application (in %), 2013-2018
Table 4-1 : India: Number and Type of New PAN Cards Issued (in Millions), 2010-2018
Table 4-2: India: Number and Type of New Passports Issued (in Millions), 2011-2018
Table 4-3: India: Number and Type of New Driving Licenses Issued (in Millions), 2010-2018
Table 4-4: India: Number and Type of Vehicle Registration Certificates Issued (in Millions), 2010-2018
Table 5-1: India: Population as a Driver of the Smart Cards Market
Table 5-2: India: E-Governance as a Driver of the Smart Cards Market
Table 5-3: India: Modernization of Transport Systems as a Driver of the Smart Cards Market
Table 6-1: India: Smart Card Projects That Have Faced Delays & Bureaucratic Hurdles

+44 20 8123 2220
info@marketpublishers.com

I would like to order

Product name: Smart Card Industry in India: SIM, Identity, Banking, Transport, Healthcare, Pay TV, Loyalty & PDS

Product link: https://marketpublishers.com/r/S6475778D6CEN.html

Price: US$ 1,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/S6475778D6CEN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

**All fields are required

Custumer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

+44 20 8123 2220
info@marketpublishers.com