Digital India
Power To Empower

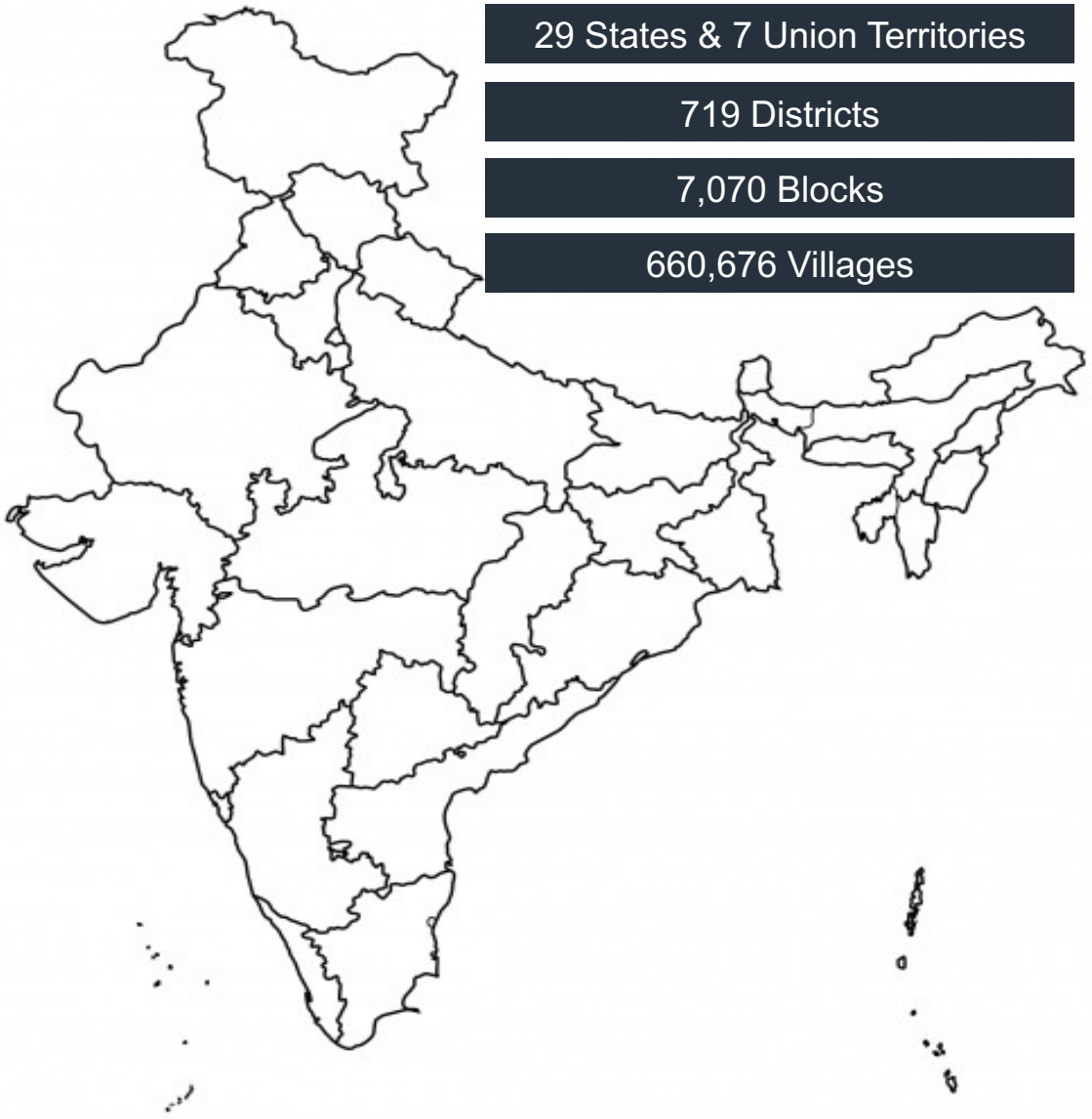
सत्यमेव जयते

NATIONAL INFORMATICS CENTRE

eGovernance@India

National Informatics Centre
Ministry of Electronics and Information Technology
Government of India

India is a Federal Union…



- 29 States & 7 Union Territories
- 719 Districts
- 7,070 Blocks
- 660,676 Villages

…with three-tiered Government System

- Union Government
- State Government
- Local Government (270,660 Bodies)
  - Municipality (Urban)
    - Municipal Corporation
    - Municipality
    - City Council
  - Panchayat (Rural)
    - District Panchayat
    - Block Panchayat
    - Village Panchayat

GePNIC©, (India) eProcurement Evolution

From Digitization to automation

Pre Computerization

- Physical Tenders
- Manual Bids
- News paper Advertisement

First Initiatives of Digitising Procurement

- One Centralised Portal
- Availability of Tenders and corrigendums
- Tenders.gov.in
- Focus on accessability of Tender document by all
- Govt of Andhra Pradesh – First to have Online system

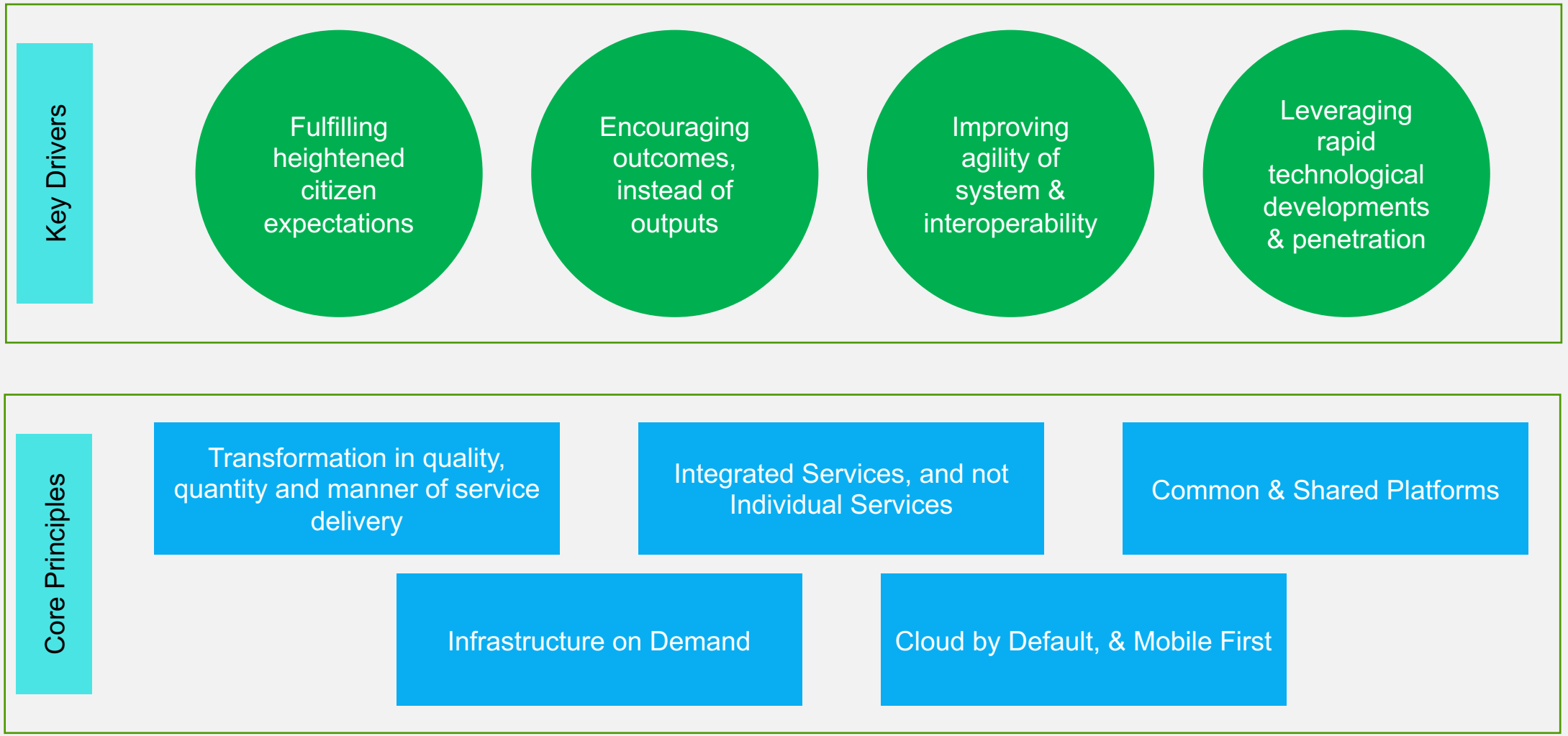
National eGovernance Plan (2009 onwards)

- eProcurement as one of the Integrated Mission Mode Projects uner NeGP
- All States and Union Territories covered by 2014.
- Tender Process Completely online
- Focus on adoption of eProcurement across the country

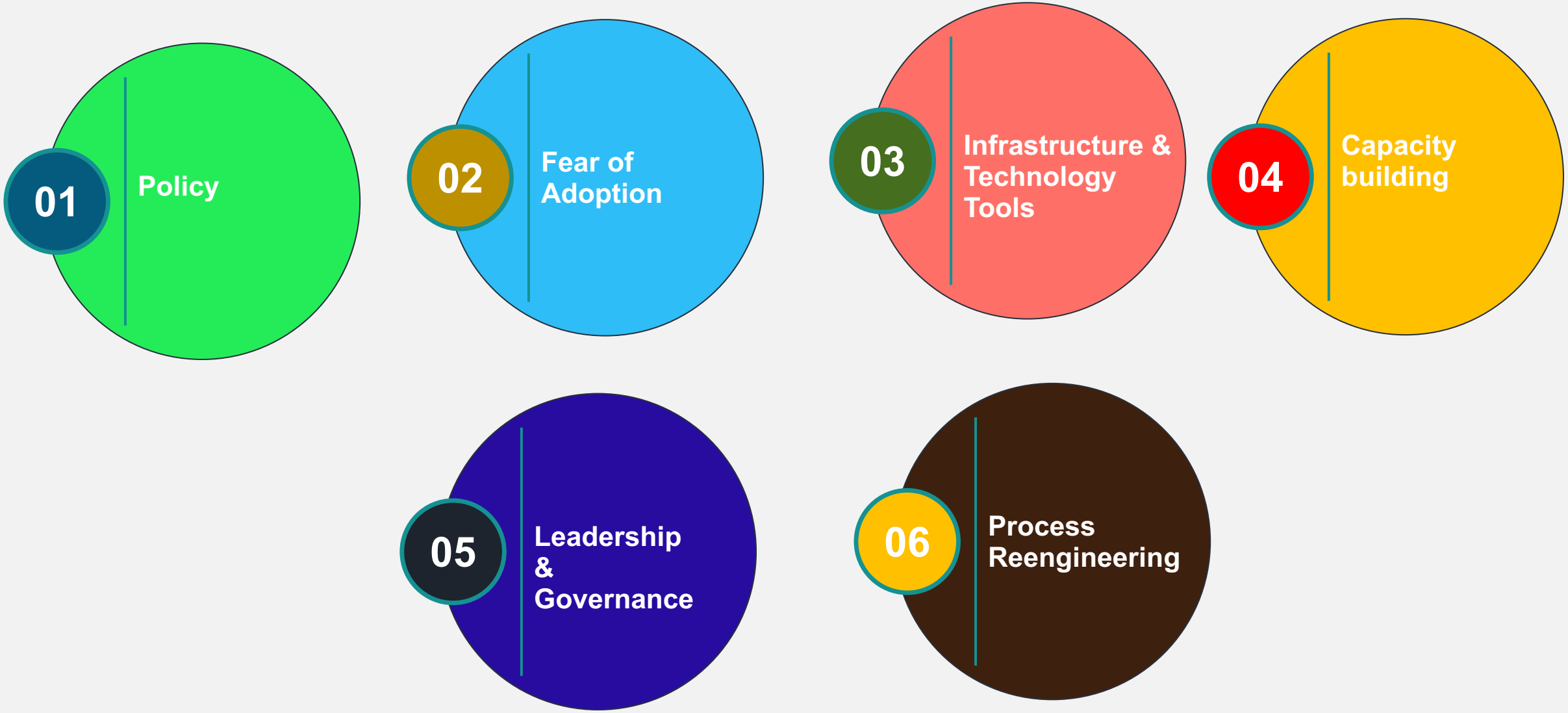
Central Procurement Portal (2014 onwards)

- Complete Tender Information of the contry assimilated at one palce
- More and more Digitisation of procurement process
- Heterogeneous System Integration
- Government eMarket Place
- Focus on Analytics and Standardisation

Key Drivers & Core Principles



Challenges Faced & Addressed



Journey of GePNIC ©

National Informatics Centre, MeitY has developed e-Procurement software system (GePNIC) as a product in consultation with Procurement Policy Division, DoE, Ministry of Finance for facilitating electronic Procurement in Government.

- Evolved over the decade and is a stable, matured product now.
- Used by 28 Federal States and over 500+ Union Government Procuring Entities

Financial Year	e-Tenders in Millions	Value of Tenders (In Billion USD)	Average tenders in a Month
2018-19	1.36	254.29	1,13,929
2017-18	1.11	275.50	92,602
2016-17	0.68	125.31	56,831
2015-16	0.51	97.35	42,820
2014-15	0.30	67.14	25,737

Objectives Of GePNIC© System

Non-discrimination among bidders, Promotes open competition

Enhanced Transparency

Expanding the accessibility of Tender Notice / advertisement

Compliance with Govt. regulation and guidelines like GFR 2017, CVC, WB, ADB, State Procurement Act

Accountability of all activities

Secured Bid Submission using PKI Technology

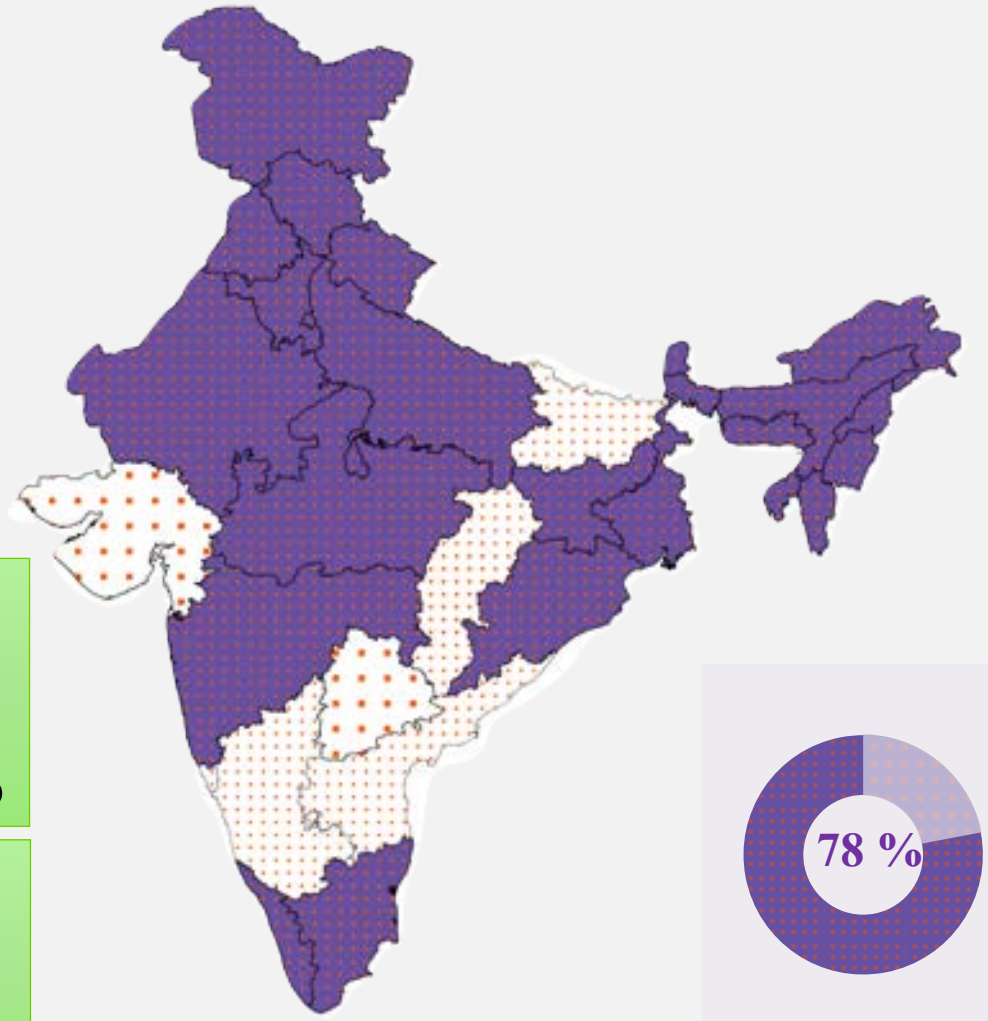
GePNIC © at a Glance

43 LAKH TENDERS

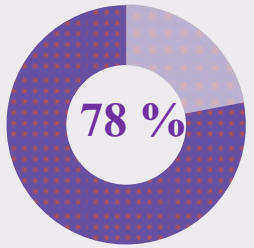
WORTH 62 LAKH CRORES

3.5 LAKH BIDDERS

2.5 LAKH PROCURING ENTITIES



Central Govt Presence	
Ministries	49
Central Govt Organisation	254
Autonomous	188
Public Sectors	81
Statutory Body	21
Others	37



of India Use GePNIC for electronic procurement

Features of GePNIC © eProcurement System

- Single product, configurable workflow with selective features.
- Caters to Goods, Works & Services
- Facilitates RFP /RFQ/EOI/Global tenders with Multi Currency/ Open /Single /Limited / Reverse-Forward Auction / QCBS/RC .
- Configurable Technical Parameter sheet with Auto tendering process with No manual intervention, Item wise evaluation, General Technical Evaluation
- Online Tender Fee, EMD Payment and automatic Refund
- Vendor Management including Debarment along with Vendor Portfolio indicating performance across participated organisation.
- Automatic Comparative charts.
- Complete transparency thru Tender Status in Public Domain
- SMS-Mail alerts/Mobile App/Dashboard
- Grievance Escalation

Functional

- Two factor authentication
- Bid encryption (Technical & Financial) at client end using PKI Technology
- Digital Signing of all documents
- Data Secured on transit using SSL
- Secured Hosting in ISO 27001:2013 & 20000-1:2011 Certified Data Centre
- Role based access system
- Log shipping, NTP configured
- Replication of data & backup facility.
- 24 X 7 availability of the system
- Periodic audits by STQC as per EPS guidelines including OWSAP Top 10
- Web Service for push/pull of Data with external entities such as CCA, NTP, GeM, Railways, MSME.

Security

Procurement Automation initiatives …..

- Standard Templates Standard Bidding Documents
- Automatic Technical Evaluation – No manual Intervention
- Bidder Repository of Important Document
- Webinars/ Training videos through social media platforms
- Transparent communication with suppliers – Online Clarifications / Shortfall Documents
- Bidder Performance Portfolio indicating Trends
- Automation for the complete payment cycle
- Item- wise technical evaluation - Form based
- Bidder Participation Index
- Contractor Greviance Escalation
- Interfaces with 40 to 50 systems for Information exchange
- Message Broadcast – SMS/ Mail / Mobile App

Procurement Automation initiatives …..

- Bulk Opening of Tender
- Dashboard indicating key Performance Indicators
- Automatic extensions of Tender based on requisite number of Bids received
- Elimination of H1 in auction
- Vendor Performance Portfolio
- Contractor Debarment
- Periodic - Supplier satisfaction survey
- Help Desk Performance Tracking
- **System Health Monitoring – Up time / Downtime – Auto extension**
- **NTP , Auto alerts server health**
- **Resource allocation on Demand / Load**
- **Automation for the complete payment cycle**

Meeting Varied Requirements configurable features

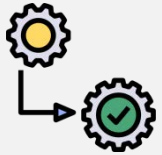
Multi-Currency

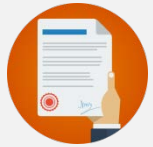
Item Wise Evaluation

General Technical Evaluation

Critical Date Validations

Visibility of Bid Documents to Participating Bidders


Two Stage Bidding


Non Disclosure Agreement

Minimum no. of Bidder(s) in Limited Tender

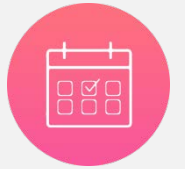
SAP Integration for Pre and Post Tender

Number of Packet / Covers Documents

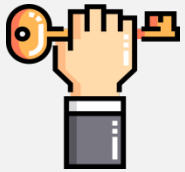
Auto Tendering Process with Technical Parameter Sheet

eReverse Auction with or without H1 elimination

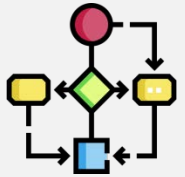
Preferential Bidder treatment for MSME etc.


Auto extension On pre specified number of Bids

Holiday / Calendar Mapping


Same Day Opening / Deferred Opening

Short Fall Documents for Technical Evaluation


Workflow based evaluations

Major Integrations with GePNIC

- Indian Railways IREPS
- Micro Small & Medium Enterprises (MSMEs)
- Project Management System of Stakeholders
- Federal Government Treasuries
- StartupIndia
- ERP systems End to End Automation
- Payment systems like Banks / Public Financial Management Systems
- MCA 21
- GeM Government eMarket Place

Startup India

Startup India is a flagship initiative of the Government of India, intended to catalyse startup culture and build a strong and inclusive ecosystem for innovation and entrepreneurship in India.

In India, government tenders are open to startups which improves the choices available to government bodies since startups are often more agile than corporate vendors and can provide cheaper, more innovative products and services.

Department for Promotion of Industry and Internal Trade (DPIIT) - Recognition
Under the Startup India initiative, eligible companies can get recognised as Startups by DPIIT, in order to access a host of tax benefits, easier compliance, IPR fast-tracking & more.

Central Public Pocurement Portal (CPPP) is integrated with **DPIIT** system which validates the Statrup Recognition. This facilitates Procurement officials to ascertain the validity of Startup.

MSME - Integration

The Micro Small & Medium Enterprises (**MSMEs**) are **defined** in India under the MSMED Act 2006 on the basis of capital investment made in plant and machinery, excluding investments in land and building.
MSME or Udyog Aadhaar registration can be obtained by startups, micro, small and medium-sized enterprises in India to avail various subsidies and schemes

Benefits of MSME Registration In India

- Bank Loans (Collateral Free)
- Subsidy on Patent Registration.
- Overdraft Interest Rate Exemption.
- Industrial Promotion Subsidy Eligibility.
- Protection against Payments (Delayed Payments)
- Fewer Electricity Bills.
- ISO Certification Charges Reimbursement.

Central Public Pocurement Portal (CPPP) is integrated with MSME to validate the Udyog Aadhaar registration. This facilitates Procurement officials to ascertain the validity of MSME Bidders.

SAP/SRM - ERP Integration

Lot of Central Public Sector Units use ERP systems for automation of their internal processes
End to End activities are automated.
For Procurement cycle from invitation of Bids till finalisation of Contract the GePNIC system is used.

Benefits of Integration

- End to end automation
- Indent Generation, aggregation, approvals in Internal SAP/SRM systems
- Draft Tender Data flows to respective Procuring officials dashboard
- Digitally sign , add more parameters to Tender and publish
- Opened, Evaluated , L1 finalised in GePNIC
- Data allows back to SAP/SRM Order placement

Central Public Procurement Portal (CPPP) is integrated with such SAP/SRM system to give a seamless end to end automation.

Preferential Bidder

Preferential Bidder BOQ Summary Details
Tender Title: Supply Installation Commissioning of 4 Nos of 10-12 CuM Diesel Hydraulic Backhoe Shovel, 1 No of 10-12 CuM Diesel Hydraulic Face Shovel and 5 Nos of Electric Hydraulic Face Shovel Along with Consumable Spares.
Tender ID: 2018_CILHQ_111850_1

Sheet Name	Sl.No	Bidder Name	Amount	Difference Amount from L1	Difference Percentage from L1	Tolerance Percentage	Preference Category
BoQ1	1	Larsen Toubro Limited	840708302.11				
	2	BEML LTD	1006895685.33	166187383.22	19.77%	20.00%	Make in India
	3	TATA Hitachi Construction Machinery Co. Pvt. Ltd	1912168091.01				

MCA 21 – Integration (in progress)

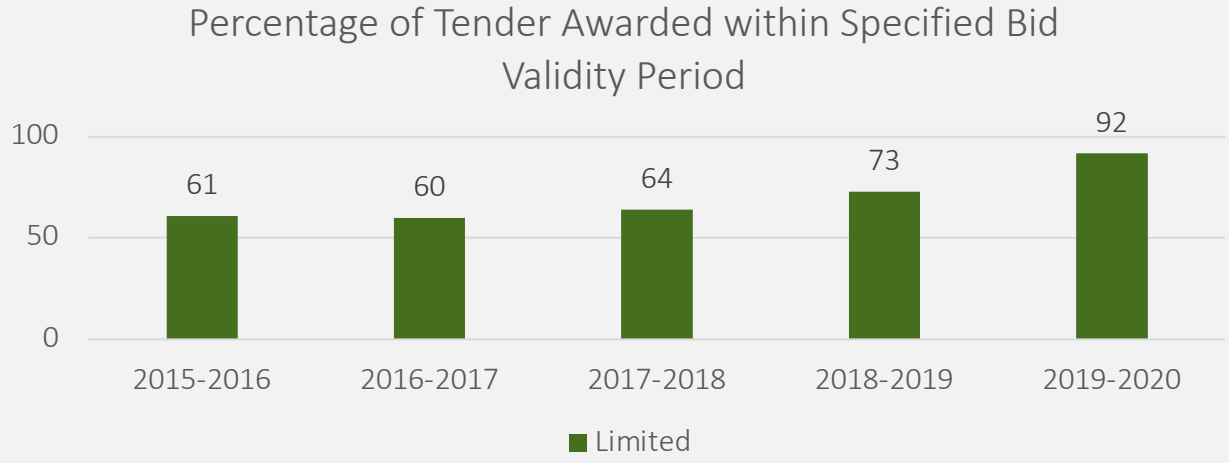
MCA21 is an e-Governance initiative of Ministry of **Corporate** Affairs (**MCA**), Government of India that enables an easy and secure access of the **MCA** services to the **corporate** entities, professionals and citizens of India.

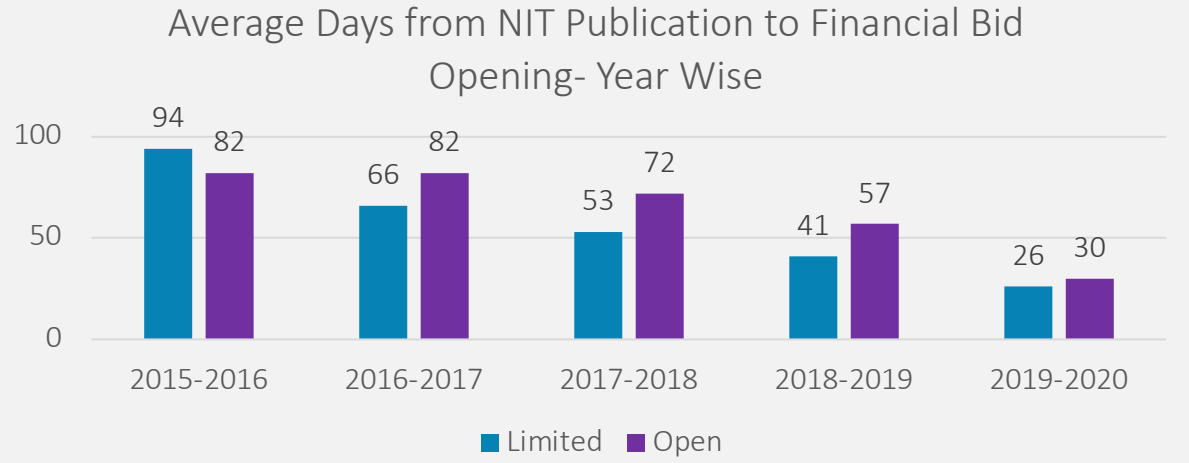
The MCA21 application offers the following.

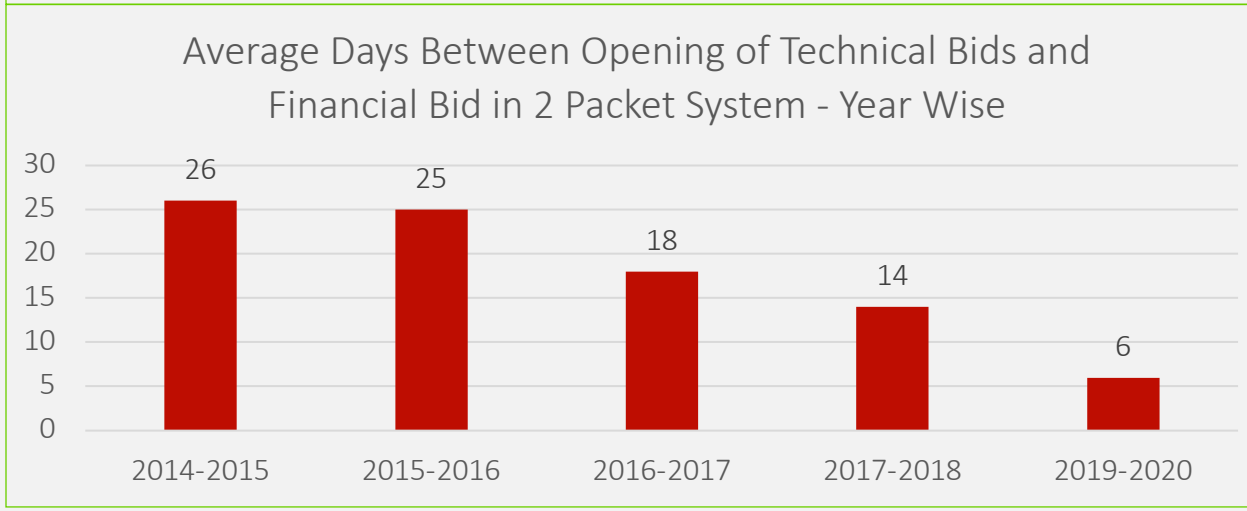
- Enables the business community to register a company and file statutory documents quickly and easily.
- Provides easy access of public documents.
- Helps faster and effective resolution of public grievances.
- Helps registration and verification of charges easily.

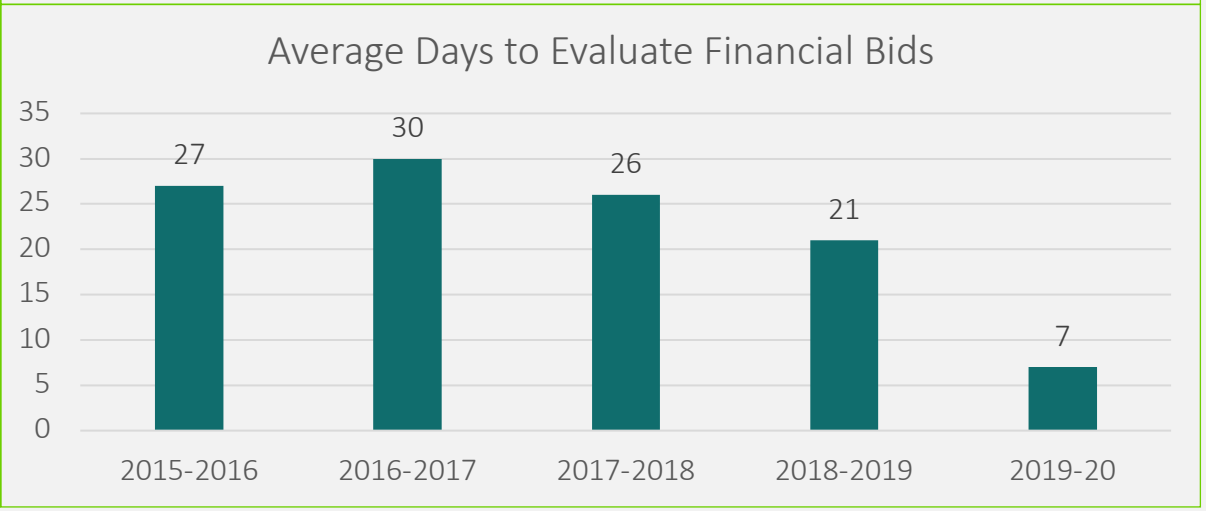
Central Public Procurement Portal (CPPP) is being integrated with MCA 21 .
This facilitates Procurement officials to have authentic details of the companies who have participated in the tender.

Key Performance Indicators wrt eProcurement Usage across the Country using GePNIC© – Till August 2019

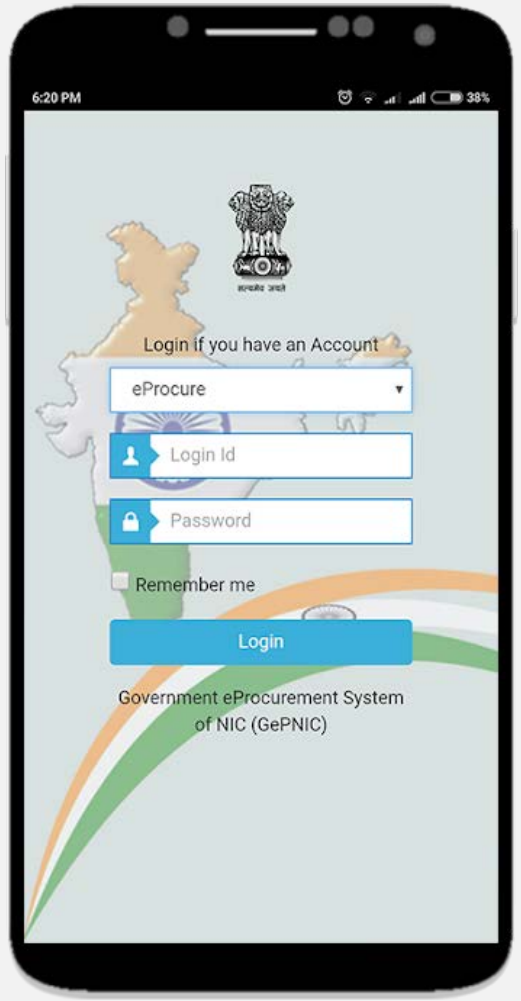


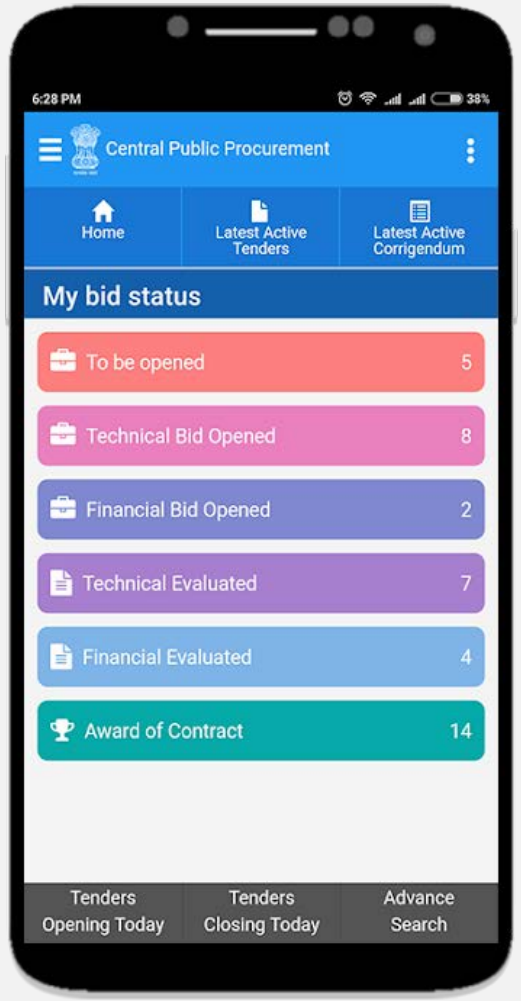


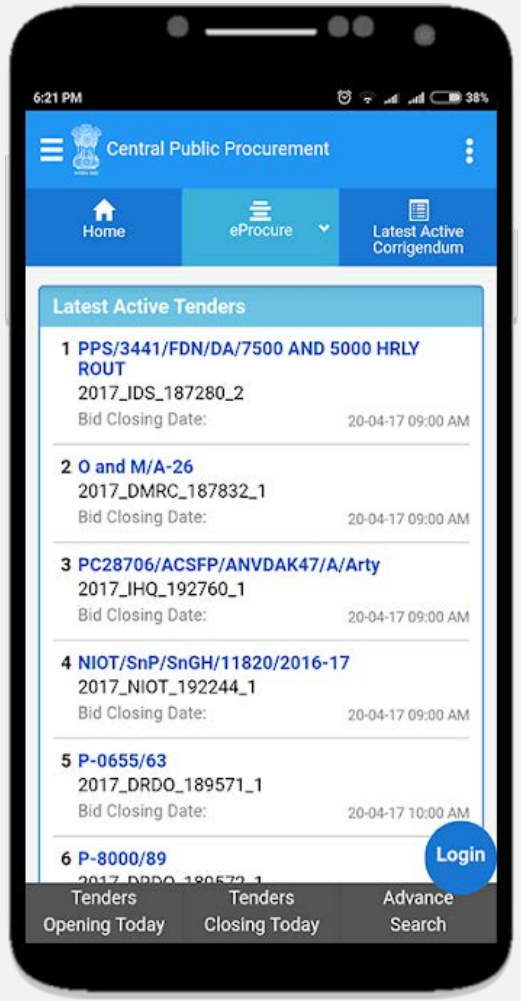




Mobile App – Android & iOS



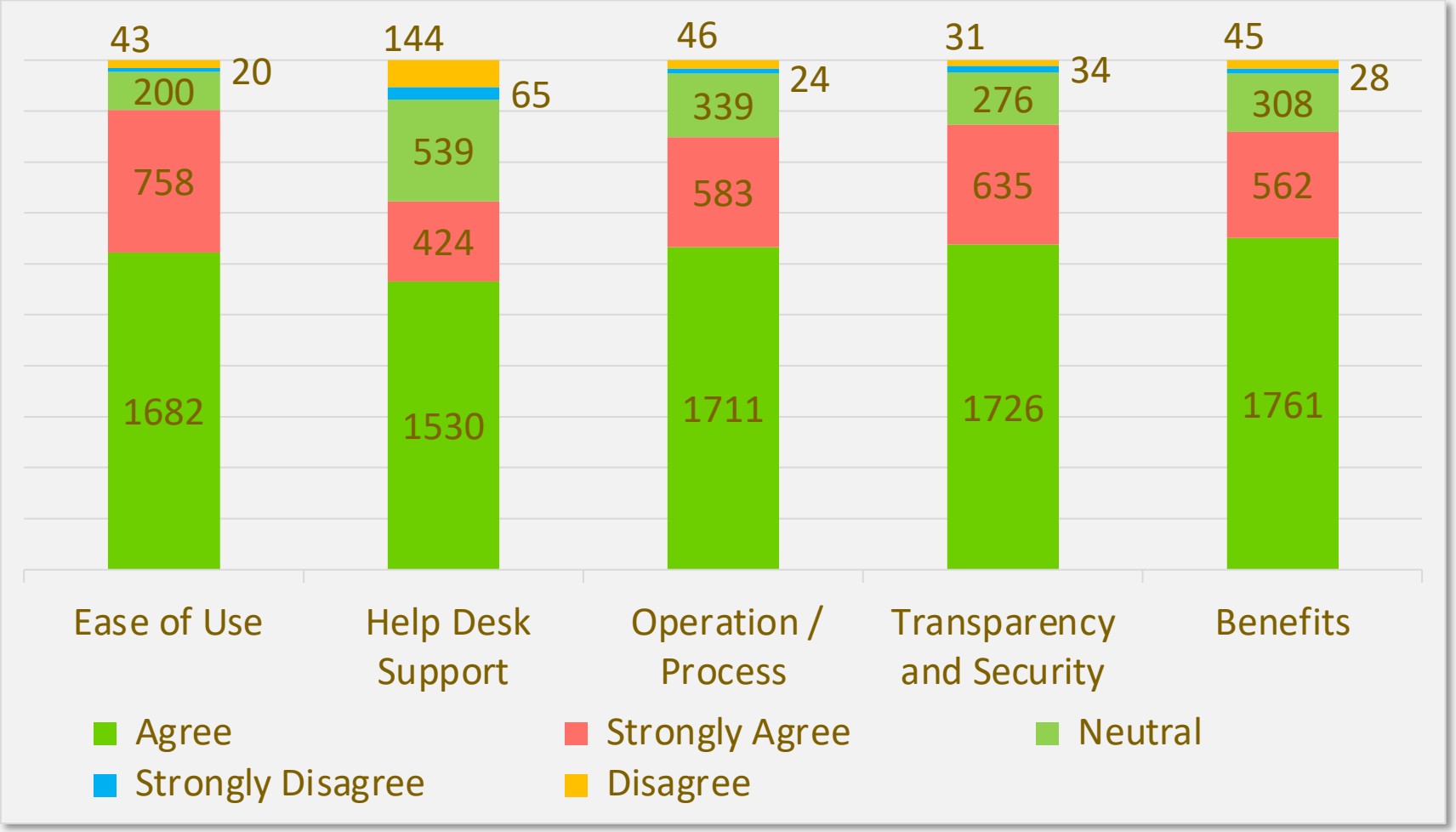




Download on the App Store

ANDROID APP ON Google play

Bidder Survey



Survey Details

- The survey was conducted for 12 days
- Total No. of Bidder's participated in survey were 2,703 in count
- Questions were asked under five major headers and taken feedback on basis of Likert scale.

Recognitions

South Asian Procurement Innovation Award – 2018 – International Award By World Bank

GEMS of India Award in Jun 2017

Two Skoch Award for Smart Governance in Sep 2015 and also in 2010

GePNIC bags eIndia 2014 for Govt. of Kerala and MCL

CSI Nihilent eGovernance Award 2017- CPP portal and 2013 - Govt. of Kerala

eMaharashtra 2013 – Govt. of Maharashtra

CII-IT Award 2011 Odisha for Mahanadi Coalfields Ltd.

eProcurement in Orissa bagged G2B Initiative of the year 2009 – eIndia Award

Usha Saxena