

e-TransactionAggregation and Analysis Layer

User and Technical Manual

Version: 1.0

July, 2013

National Informatics Centre Department of Electronics & Information Technology Ministry of Communications and Information Technology Government of India New Delhi – 110 003



Table of Contents

| 1. | INT | IRODUCTION | 4 |
|----------------------------|---|--|--|
| | 1.1 | Purpose of the Document | 4 |
| | 1.2 | WHAT IS AN E-TRANSACTION | 4 |
| | 1.3 | ACROSS THE COUNTER SERVICES | 4 |
| | 1.4 | List of Standard Services | 5 |
| | 1.5 | LIST OF CATEGORY OF SERVICES | 6 |
| 2. | но | W TO ACCESS THE DASHBOARD | 7 |
| 3. | FUI | NCTIONALITIES | 8 |
| 4. | ETA | AAL HOME PAGE | 9 |
| 5. | E-T | RANSACTIONS MENU TAB | 10 |
| | 5.1 | Тавз | |
| | 5.2 | Date Wise View | 10 |
| | 5.3 | Central Govt. Projects | 11 |
| | 5.4 | State Govt. Projects | 15 |
| | 5.5 | Standard Services | 19 |
| | 5.6 | MISSION MODE PROJECTS (MMPS) | 21 |
| | 5.7 | Across the Counter Services | 23 |
| | 5.8 | NATIONAL OPTICAL FIBRE NETWORK (NOFN) | 25 |
| | 5.9 | CATEGORIES OF SERVICES | 27 |
| | 5.10 | OTHER GRAPHICAL VIEWS | 29 |
| | ANI | ΔΙ ΥΤΙC ΔΙ - CHADTS | |
| 6 | ANA | ALT TICAL CHARTS | |
| 6 | ANA 6.1 | TIME-LINE ANALYSIS | |
| 6 | 6.1 6.2 | TIME-LINE ANALYSIS Comparative Analysis | |
| 6 | 6.1 6.2 6.3 | TIME-LINE ANALYSIS Comparative Analysis Line Chart Analysis | |
| 6 | 6.1 6.2 6.3 6.4 | TIME-LINE ANALYSIS Comparative Analysis Line Chart Analysis Analysis of Services | |
| 6 | 6.1 6.2 6.3 6.4 6.5 | TIME-LINE ANALYSIS Comparative Analysis Line Chart Analysis Analysis of Services % Share of Services | 32 |
| 6 7. | ANA 6.1 6.2 6.3 6.4 6.5 SEF | TIME-LINE ANALYSIS COMPARATIVE ANALYSIS LINE CHART ANALYSIS ANALYSIS OF SERVICES % SHARE OF SERVICES RVICE ENROLMENT | 32 32 34 35 36 37 38 |
| 6 7. | 6.1 6.2 6.3 6.4 6.5 SEF 7.1 | TIME-LINE ANALYSIS COMPARATIVE ANALYSIS LINE CHART ANALYSIS ANALYSIS OF SERVICES % SHARE OF SERVICES RVICE ENROLMENT PROJECT ENTRY | 32 |
| 6 7. | ANA 6.1 6.2 6.3 6.4 6.5 SEF 7.1 7.2 | TIME-LINE ANALYSIS COMPARATIVE ANALYSIS LINE CHART ANALYSIS ANALYSIS OF SERVICES % SHARE OF SERVICES RVICE ENROLMENT PROJECT ENTRY SERVICE ENTRY | |
| 6 7. | ANA 6.1 6.2 6.3 6.4 6.5 SEF 7.1 7.2 7.3 | TIME-LINE ANALYSIS | 32 32 34 35 36 37 38 38 39 40 |
| 6 7. 8. | ANA 6.1 6.2 6.3 6.4 6.5 SEF 7.1 7.2 7.3 TEC | TIME-LINE ANALYSIS | 32 32 34 35 36 37 38 38 39 40 40 |
| 6 7. 8. 9. | ANA 6.1 6.2 6.3 6.4 6.5 SEF 7.1 7.2 7.3 TEC AR | TIME-LINE ANALYSIS | 32 32 34 35 36 37 38 38 38 39 40 40 44 45 |
| 6 7. 8. 9. 10. | ANA 6.1 6.2 6.3 6.4 6.5 SEF 7.1 7.2 7.3 TEC ARC | TIME-LINE ANALYSIS | 32 |
| 6 7. 8. 9. | ANA 6.1 6.2 6.3 6.4 6.5 SEF 7.1 7.2 7.3 TEC ARC .GUID 10.1 | TIME-LINE ANALYSIS | 32 |
| 6 7. 8. 9. 10. | ANA 6.1 6.2 6.3 6.4 6.5 SEF 7.1 7.2 7.3 TEC AR GUID 10.1 10.2 | TIME-LINE ANALYSIS | 32 32 34 35 36 37 38 38 39 40 40 44 44 45 46 46 |
| 6 7. 8. 9. 10. | ANA 6.1 6.2 6.3 6.4 6.5 SEF 7.1 7.2 7.3 TEC ARC .GUID 10.1 10.2 10.3 | TIME-LINE ANALYSIS | 32 |
| 6 7. 8. 9. 10. | ANA 6.1 6.2 6.3 6.4 6.5 SEF 7.1 7.2 7.3 TEC AR GUID 10.1 10.2 10.3 10.4 | TIME-LINE ANALYSIS | 32 33 34 35 36 37 38 38 39 40 40 44 40 44 45 46 46 46 46 46 47 |
| 6 7. 8. 9. 10. | ANA 6.1 6.2 6.3 6.4 6.5 SEF 7.1 7.2 7.3 TEC AR .GUID 10.1 10.2 10.3 10.4 10.5 | TIME-LINE ANALYSIS | 32 |
| 6 7. 8. 9. 10. | ANA 6.1 6.2 6.3 6.4 6.5 SEF 7.1 7.2 7.3 TEC AR GUID 10.1 10.2 10.3 10.4 10.5 10.6 | TIME-LINE ANALYSIS | 32 32 34 35 36 37 38 38 39 40 40 44 40 44 46 46 46 46 46 46 46 48 |

Acronyms

| Abbreviation | Description |
|--------------|--|
| B2C | Business to Citizen |
| DBT | Direct Benefit Transfer |
| DeitY | Department of Electronics and Information Technology |
| DCC | Dashboard Client Connector |
| DSC | Dashboard Server Connector |
| eTaal | e-Transaction Aggregation and Analysis Layer |
| HTML | HyperText Markup Language |
| IE | Internet Explorer |
| IIS | Internet Information Services |
| IT | Information Technology |
| MMP | Mission Mode Project |
| NeGP | National eGovernance Plan |
| NIC | National Informatics Centre |
| NOFN | National Optical Fibre Network |
| OS | Operating System |
| PDS | Public Distribution System |
| PHP | Hypertext Preprocessor |
| PMC | Project Management Committee |
| PNR | Passenger Name Record |
| RoR | Record of Right |
| RTI | Right To Information |
| SPMC | State Project Management Committee |
| SQL | Structured Query Language |
| URL | Uniform Resource Locator |
| UT | Union Territory |
| VAT | Value Added Tax |
| XML | Extensible Markup Language |
| WCF | Windows Communication Foundation |

1. Introduction

All Ministries and Departments of Central and State/UT Governments have been implementing e-Governance projects for providing e-Services to citizens. An idea about the impact of e-Services can be obtained from the number of e-Transactions taking place under these applications implemented by various Government Ministries/Departments.

With this in mind, National Informatics Centre (NIC), Department of Electronics and Information Technology (DeitY) has developed **eTaal** application. It provides a consolidated view of e-Transactions taking place under various e-Governance applications implemented in Government including Mission Mode Projects (MMPs) under National eGovernance Plan (NeGP) based on the transaction count shared by them in a automated manner through the use of Web Services technology.

eTaal facilitates quick analysis of transaction data shared by various applications in tabular as well as graphical from enabling the user to drill down to the lowest possible level. It will also enable the user Ministry/Department to view the consolidated picture of e-Transaction statistics of various e-Governance projects across the country and to visualize the status of utilization various e-Governance applications running across the country.

1.1 Purpose of the Document

The purpose of the document is to enable the user to identify e-Transactions, categorize various services and effectively use the application. The user may further view the e-Transaction count for various Central and State projects and MMPs as well as perform various analyses.

The document also aims at providing the users all the necessary information for registration of their respective services and integration of the data from those services with eTaal.

1.2 What is an e-Transaction

A **transaction** in delivering a public service which uses Information Technology (IT) while also satisfying the following four conditions:

- i. Service is requested through electronic means (self-access or assisted access) including mobile devices;
- ii. Workflow/approval process is electronic;
- iii. Database is electronic/digitized;
- iv. Service delivery is electronic.

in order to improve access, enhance transparency and reduce response time is termed as an e-Transaction.

1.3 Across the Counter Services

In several instances, the relevant information is proactively collected, digitised, verified and stored in digital repository and when the citizen requires the service, he/she can avail it immediately across the counter. Since, such cases fulfil all the pre-requisites of an e-Transaction, these can be considered as **Across the Counter** services.

1.4 List of Standard Services

A large number of services are being offered by various Ministries/ Departments/ Organizations at Central and State Governments. However, the name of a particular service may vary across the states. For example, the Record of Right (RoR) is known as Pahani, Khatauni, Patta etc. in different states. For ease of classification, grouping and presentation in a uniform manner, the services have been defined by NIC and DeitY as follows:

| Sl.No. | Standard Service | Description |
|--------|----------------------|---|
| 1 | Certificates | All type of statutory certificates issued by Government |
| | | i.e. Caste Certificate, Income Certificate, Birth Certificate |
| | | etc. come under this category. |
| 2 | Licenses and | Services related to licenses & permits like arm licenses, |
| | Permits | inner line permits, etc. come under this category. |
| 3 | Land Records | Services related to land registration come under this |
| | | category. |
| 4 | Integrated Finance | Integrated Finance Management Services includes |
| | Management | services related to finance management like treasuries. |
| | Services | |
| 5 | Commercial Tax | It includes services like Dealers Registration, VAT |
| | | Returns, payments etc. |
| 6 | Utility Services and | Utility services like electricity, gas, water, telephone etc. |
| | Bill Payment | and their bill payment come under this category. |
| 7 | Social Welfare and | It includes services like Sr. citizen, old age/widow |
| | Pension | pension, freedom fighter pension etc. |
| 8 | Transport | It includes services like Driving License Issue, |
| | | Registration of Vehicle, Transfer of Ownership etc. |
| 9 | Education | Services like backward class scholarship, post metric |
| | | scholarship etc. are covered. |
| 10 | Public Distribution | It include services like Issue of Ration Card, Modification |
| | System | of details in Ration Card, etc. |
| 11 | Agriculture & Allied | The services under this category are:Agriculture Market |
| | | Information, Agricultural Advisory Service, Animal |
| | | Disease Alert, etc. |
| 12 | Court and Judiciary | It includes services like cause list, case proceedings, |
| | | certified copy of judgment/daily order, etc. |
| 13 | Election | This service includes Electoral Roll Creation etc. |
| 14 | Police | This includes services like FIR Lodged, Missing/ Lost |
| | N 1 1 | persons, etc. |
| 15 | Personnel and | This includes services like Employee Training, |
| | Admin | posting/transfer, ACR status monitoring, etc. |
| | ~ • | |
| 16 | Grievance | This includes services like Grievances Received & |
| | | Redressed. |
| 17 | RTI | This group includes any e-transaction related to RTI Act. |
| 0 | | The mark is a star day of the former time and a second second |
| 18 | information Service | it provides data/knowledge/information on various |
| | | Cost Programs and schemes ate |
| | | Gove, riograms and schemes etc. |
| | | |
| 19 | Property | Services related to registration of property acquired or |
| | Registration | transferred come under this category. |
| | | |

| Sl.No. | Standard Service | Description |
|--------|----------------------------|---|
| 20 | Health | Services like Child Registration, Pregnant Women Registration, Patient Registration, etc. come under this category. |
| 21 | Rural Development | Services like Job Card Issued, Job Demanded and Job Provided under MGNREGA are included here. |
| 22 | Employment | This includes services related to registration of potential candidates/ unemployed youth etc. |
| 23 | e-Procurement | It includes services like No. of Bidders Enrolled, No. of Tenders Created, No. of Bids Received, etc. |
| 24 | State Specific Services | There are certain services that are specific to a particular state. Those services are not found in other state. Such services come under this group. |
| 25 | Other Services | Services which are not included in any of the above mentioned standard services are covered under this group. |

1.5 List of Category of Services

Services being offered by various Ministries/ Departments / Organizations at Central and State Governments have been classified into four categories, namely;

- a. **Category A** comprises:
 - i. All statutory services
 - ii. Payment of taxes by citizens (Income Tax/VAT etc)
 - iii. Payment of subsidies/ Scholarships/ Social benefit transfers (DBT etc.)
 - iv. Non-statutory services
 - v. Services delivered under PDS/Rural development schemes
- b. **Category B** comprises Utility Bill payments (Water bill, telephone bill, electricity bill, etc.)
- c. **Category C** comprises other B2C Transactions (e.g. banking transactions, addition of mobile numbers in Do Not Call registry by Telecom service providers etc.)
- d. Category D comprises:
 - i. Information access from various e-Governance Portals/Websites
 - ii. Down loading of forms
 - iii. Enquiry (such as Passport Status, dial.gov.in service, result of an examination etc.)

2. How to Access the Dashboard

The portal may be accessed using the following URL:

http://etaal.gov.in

Following Home Page will be displayed:



3. Functionalities

Major functionalities incorporated in eTaal web portal are as follows:

- 1. e-Transaction view of Central / State Govt. Projects aggregated at various levels.
- 2. Viewing e-Transaction count on the basis of standard service.
- 3. e-Transaction view for MMPs aggregated at various levels.
- 4. Viewing e-Transaction count on the basis of Across the Counter Service.
- 5. Viewing e-Transaction count of NOFN Service.
- 6. Viewing e-Transaction count on the basis of category of services.
- 7. Drill-down feature to get detailed view of e-Transaction count.
- 8. Time line analysis of e-Transaction count across time-periods.
- 9. Graphical and Tabular presentation of e-Transaction count.
- 10. Service enrolment feature.

4. eTaal Home Page



Home Page

Menu Bar

Home e-Transactions View Analysis Downloads Admin Login

| 1. | Home | This is the landing page of eTaal. |
|----|--------------------|---|
| 2. | eTransactions View | It shows the eTransactions of various eServices under Central Govt./State Govt. and Mission Mode Projects. |
| 3. | Analysis | It shows the different type of graphical analysis on e-Transaction data. |
| 4. | Downloads | This section is relevant for the developers. The user can download the technical documents enabling him/her to create the client connector along with sample code in .Net and Java. However, the user may create the client connector using any other platform as well.a) Sample web service in .Netb) Sample web service in Java |
| 5. | Admin Login | Registered userscan login to eTaal from here. |

5. e-Transactions Menu Tab

5.1 Tabs

| Central Govt. Projects | State Govt. Projects | Standard Services | Mission Mode Projects | Across The Counter | NOFN | Categories |
|------------------------|----------------------|-------------------|-----------------------|--------------------|------|------------|
|------------------------|----------------------|-------------------|-----------------------|--------------------|------|------------|

Various types ofe-Transactions are displayed in each tab, 'Central Govt. Projects' being the default option displayingtotal number of transactions between two user-defined dates (From Date and To Date). By default, display is in tabular format which can be changed to Bar Chart and Pie Chart by the user.

| 1. | Central Govt. Projects | This tab enables the user to view e-Transaction count of all Central Govt. Projects. |
|----|------------------------|---|
| 2. | State Govt. Projects | This tab enables the user to view e-Transaction count of State Govt. Projects. |
| 3. | Standard Services | This tab enables the user to view Standard Service wise e- Transaction counts. |
| 4. | Mission Mode Projects | This tab enables the user to view e-Transaction count of various MMPs. |
| 5. | Across The Counter | This tab enables user to view e-Transaction count of services delivered Across the counter. |
| 6. | NOFN | This tab enables user to view e-Transaction count of services delivered on National Optical Fibre Network (NOFN). |
| 7. | Categories | This tab enables the user to view Category-wise e-Transaction count. |

5.2 Date Wise View

- 1. Select required tab from home page.
- 2. Type From-Date &To-Date in text box or select dates from calendar (by clicking on calendar

icon).

3. Click submitbutton.



5.3 Central Govt. Projects

This tab enables the user to view e-Transaction data related to nationwide e-Governance projects.

| ome e-Transact | tions View | Analysis Downloads | | | | |
|-------------------------------------|------------|---------------------------------------|---------------------------|------------------|------------------------------|--------------|
| Central Gout. Proje | note St | tate Govt. Projects Standard Services | Mission Mode Projects | Across The Count | er NOFN | Categories |
| Central Govt. From: 02-02-2013 T | Project | 5 3 | | | Total no. of e-Transactions: | 30,85,63,691 |
| _ | | | | | | _ |
| | 82. No. | Central Govt. Projects | | | No. of e-Transactions | |
| | 1 | Agriculture | | | 3,67,287 | |
| | 2 | Central Public Works Department | (CPWD) | | 13,95,657 | |
| | 3 | Co-operative Banks | | | 46,63,870 | |
| | 4 | Dial.gov | | | 11,018 | |
| | 5 | Direct Benefit Transfer | | | 24,797 | |
| | 6 | e-Procurement | | | 1,80,380 | |
| | 7 | Food and Civil Supplies | | | 2,56,938 | |
| | 8 | Health | | | 2,28,68,860 | |
| | 9 | Immigration, Visa and Foreigners | Registration& Tracking (N | FRT] | 34,92,241 | |
| | 10 | Information Broadcasting | | | 1,36,259 | |
| | 11 | Judiciary | | | 43,76,587 | |
| | 12 | Labour and Empolyment | | | 2,08,686 | |
| | 13 | MGNREGA | | | 23,11,02,977 | |
| | 14 | Postal Services | | | 94,15,892 | 1 |
| | 15 | Telecommunications | | | 2,63,98,042 | |
| | 16 | Transport | | | 36,64,200 | 1 |

- Same data can be viewed in bar chart and pie chart, by selecting Display Type in the dropdown list provided below the chart.
- J e-Transaction data between two particular dates is filtered out and displayed by selecting the 'From Date' and 'To Date'.
- Each service can be clicked to further drill-down for details.

0-66-0777)



Bar Chart View of Central Govt. Projects



Pie Chart View of Central Govt. Projects

5.3.1. Drilled-down Central Govt. Projects

Central Govt. Projects can be further drilled-down by clicking on service name. Following is drilled-down view of Health service.

| Central Govt. Pro | ects 8 | tate Govt. Projects | Stand | ard Services | Illission Mo | de Projects | Across The | Counter | NOFN | Categories |
|-------------------|--------------|---------------------|--------|---------------|--------------|-------------|------------|---------------|--------------------|------------------|
| Project(s |) under | Health | | | | | | Total | no. of e-Transacti | ons: 2,28,68,860 |
| Frem: 67-63-2633 | 10:25-06-200 | | | | | | | | | |
| | | Contract Contract | - | | - | | | | | |
| | 31, 144, | COHS | ropect | - | | | | | 40.53 | 870 |
| | 2 | eHospital | | | | | | | 7,89, | 658 |
| | 3 | MCTS | | | | | | | 1,71,99, | 135 |
| | 4 | Nikshay | | | | | | | 8,26, | 197 |
| | | | | | Тс | tal e-Tra | nsactions | | 2,28,68,8 | 360 |
| | | | | | | | _ | | | |
| | | | | 01-01-2013 | 1000 | | | | Parkadas Barra (m) | |
| NBC III | AMATICS | | rice | 25-06-2013 | 2000 | | | readenal (20m | Tabular Data | |
| | | | Tor | (CD-888-YTTY) | 10000 | | | | Submit | |

| Total no. of e-Transactions: 8,01,863 State Name Total ex. of e-Transactions = Delhi Carnataka Carnatak |
|--|
| s State Name - Total se. of e-Transactions a Daihi 6,61,280 Karnataka 52,108 Kerala 4,522 Maharashtra 922 Iripura 83,031 Total e-Transactions 8,01,863 |
| State Name - Total as. of e-Transactions a Delhi 6,61,280 Karnataka 52,108 Kerala 4,522 Maharashtra 522 Fripura 83,01 Total e-Transactions 8,01,863 |
| State Name • Total se, of e-Transactions • Delhi 6,61,280 Karnataka 52,108 Kerala 4,522 Maharashtra 922 Tripura 83,031 Total e-Transactions 8,01,863 |
| Dalhi 6,61,280 Karnataka 52,108 Kerala 4,522 Maharashtra 922 Tripura 88,031 Total e-Transactions 8,01,863 |
| Karnataka 52,108 Karala 4,522 Maharashtra 522 Tripura 88,031 Total e-Transactions 8,01,863 |
| Kerala 4,522 Maharashtra 922 Tripura 88,031 Total e-Transactions 8,01,863 |
| Maharashtra 922 Tripura 88,031 Total e-Transactions 8,01,863 |
| Tripura B8,031 Total e-Transactions 8,01,863 |
| Total e-Transactions 8,01,863 |
| |
| |
| |
| |
| |
| |

State wise View of eHospital project

| Service(s) o From: 01.01-2011 | f Karnatak To 25-06-2011 | a under eHospit | al | | | Total no. of e-Transact | ions: 52,108 |
|----------------------------------|-----------------------------|---------------------------|--|------------|-------------|-------------------------------|--------------|
| | SI, No. | Service Name | | | 100 | Total no. of e-Transactions - | |
| | 1 2 | Admission Registration | | | | 4,557 47,551 | |
| | | 15 T | - | Total e-Tr | ransactions | 52,108 | |
| | | | | | | | 4 |
| NK | ATTREAMES | | Free* 01-01-2 200.000-000 70* 25-06-2 200.000-000 | | Display 1 | Tabular Data • Submit | |
| | | | | | | | |

National Informatics Centre

| ntral Govt. Proje | ets > Health > | eHospital | | | | | |
|-------------------|----------------|-------------------|-------------------|-----------------------|--------------------|-----------------------------|---------------|
| entral Gost. Proj | ecte Stat | le Govt. Projects | Standard Services | Mission Mode Projects | Across The Counter | NOFN | Categories |
| Hospital(s) u | inder eHos | pital | | | | Total no. of e-Transactio | ons: 8,01,863 |
| Ostate Wise | Hospital V | Nise | | | | | |
| | | | | | | | |
| | SL No. | Hospital Name | | | | Total so, of e-Transactions | |
| | 1 | AGMC | | | | 65,233 | |
| | 2 | AllMS | | | | 2,38,884 | |
| | 3 | AYJNIHH | | | | 922 | E |
| | .4 | Ernakulam | | | | 4,521 | 1 |
| | 5 | IGICH | | | | 2,915 | 5 |
| | 6 | NIMHANS | | | | 49,193 | 8 |
| | 7 | RML | | | | 4,07,053 | L |
| | 8 | SIC | | | | 15,343 | 5 |
| | 9 | TMC | | | | 17,798 | 8 |
| | | | | Total e-Tr | ansactions | 8,01,863 | |
| | | | | Total e-Tr | ansactions | 8,01,863 | |

Hospital wise view of eHospital project

5.4 State Govt. Projects

The 'State Govt. Projects' tab enables the user to view the e-Transactions count of eServices in various states. The table can further be drilled down to view the distribution of e-Transactions of e-Governance projects implemented in respective states segregated on the basis of Standard Service types.

| tate Govt. Proje | cts | | | | | | | |
|---------------------------------|---------------------------|----------------------|-------------------|-----------------------|------------|---------|----------------------|-----------------|
| Central Govt. Pro | ojects | State Govt. Projects | Standard Services | Mission Mode Projects | Across The | Counter | NOFN | Categories |
| State Govt. From: 01-01-2013 | Projects 3 To: 25-06-2 | 013 | | | | Total n | o. of e-Transaction | s: 19,65,34,944 |
| | | | | | | | | |
| | SL No. | State Govt. Pro | jects | | | | No. of e-Transaction | s |
| | 1 | Andaman and | Nicobar | | | | 7,3 | 314 |
| | 2 | Andhra Prades | h | | | | 3,68,97,6 | 628 |
| | 3 | Arunachal Prac | lesh | | | | 11,1 | 163 |
| | 4 | Assam | | | | | 7,79,5 | 527 |
| | 5 | Bihar | | | | | 23,29,7 | 767 |
| | 6 | Chattisgarh | | | | | 31,80,0 | 065 |
| | 7 | Chandigarh | | | | | 1,54,8 | 840 |
| | 8 | Daman and Dis | 1 | | | | 8,0 | 054 |
| | 9 | Delhi | | | | | 30,34,4 | 416 |
| | 10 | Dadar and Nag | ar Haveli | | | | 16,8 | 891 |
| | 11 | Goa | | | | | 1,51,5 | 565 |
| | 12 | Gujarat | | | | | 26,68,9 | 954 |
| | 13 | Himachal Prade | esh | | | | 2,37,7 | 780 |
| | 14 | Haryana | | | | | 2,29,14,6 | 564 |
| | 15 | Jharkhand | | | | | 5,98,4 | 417 |
| | 16 | Jammu and Kar | shmir | | | | 9,54,0 | 008 |

- Same data can be viewed in bar chart and pie chart, by selecting Display-type in the dropdown list provided below the chart.
- The user can change time period for displaying data by changing From Date and To Date and clicking on Submit button.
- Each state can be clicked to further drill-down for details.

5.4.1 Drilled-down State Govt. Projects (Standard Service Wise)

Each state can be drilled down to get transaction count of standard services. Following screenshot shows e-Transactionsforthe state of Haryana, as an example:

| Central Gost, Project | ts Stat | te Govt. Projects | Standard Services | Mission | Mode Projects | Across The Co | unter | NOFN | Catego | ries |
|---------------------------------------|-------------------------|-------------------|-------------------|------------|---------------|---------------|-------|-------------------|----------------|-------|
| Standard Serv From: 01-01-2013 To: | ice(s) of 25-06-2013 | Haryana | | | | | Total | io. of e-Transac | tions: 2,50,39 | 9,975 |
| | SI. No. | Standard Servic | es | | | | | No. of e-Transact | lions | |
| | 1 | Certificates | | | | | _ | 3, | 85,255 | |
| | 2 | Land Record | | | | | | 1,1 | 86,921 | |
| | з | Integrated Fina | ince Management | t Services | | | | | 6,770 | |
| | 4 | Utility Services | and Bill Payment | i | | | | | 2 | |
| | 5 | Social Welfare | & Pension | | | | | 1,78, | 69,419 | |
| | 6 | Transport | | | | | | 61,5 | 54,444 | |
| | 7 | Grievance | | | | | | | 46,156 | |
| | 8 | Health | | | | | | 8,4 | 47,336 | |
| | 9 | e-Procurement | | | | | | | 2,420 | |
| | 10 | Other Services | | | | | | 1 | 91,252 | |
| | | | | | Total e-Tra | insactions | | 2,50,39 | 9,975 | |
| - | | | - | | | | | | | |

- Same data can be viewedin bar chart as well as pie chart, by selecting Display Type in the drop-down list provided below the chart.
- Each standard service can be clicked to further drill-down for details.

5.4.2 Drilled-down Standard Services under State Govt. Projects

Each state can be drilled down to get transaction count of standard services. Following screenshot shows e-Transactionsforthe state of Haryana, as an example:

| Oto | al 🖁 | ectronic Transaction gregation & Analysis Layer | Departmen Ministry of Commu | t of Electronic nications & Informa | s & Information Tech tion Technology, Governmen | nology |
|-------------------------------------|-------------|--|--------------------------------|--|--|-------------|
| Home e-Transact | ions View / | Analysis Downloads | | | | |
| State Govt. Project | > Haryana > | Certificates | | | | |
| Central Govt. Proje | cts Stat | a Govt. Projects Standard Services | Mission Mode Projects | Across The Counter | NOFN | Categories |
| Service(s) of From: 01-01-2015 1 | Certificate | s under Haryana | | [| Total no. of e-Transaction | s: 3,35,255 |
| ſ | SL No. | Service Name | | • | Total no. of e-Transactions | |
| | 1 | Rural Area Certificate Issuance | | | 62 | |
| | 2 | Death Certificate | | | 273 | |
| | 3 | Correction of Death Record Detail | | | 667 | |
| | 4 | Correction of Birth Record Detail | | | 841 | |
| | 5 | Correction of Birth Record Detail | | | 852 | |
| | 6 | Death Registration | | | 1,117 | |
| | 7 | Birth Certificate | | | 2,523 | |
| | 8 | Birth Registration | | | 4,417 | |
| | 9 | Income Certificate | | | 13,337 | |
| | 10 | Special Backward Class | | | 20,107 | |
| | 11 | Resident Certificate | | | 94,112 | |
| TIONAL ORMATICS | | From* 01-01-2013 (DO-MMP-YYY) T0* 25-06-2013 | | | Display Type Tabular Da | ta 💌 |

- Same data can be viewed in bar chart as well as pie chart, by selecting Display Type in the drop-down list provided below the chart.
- Each standard service can be clicked to further drill-down for details.

5.5 Standard Services

This menu option displays consolidated count of e-Transaction for the Standard services. It shows consolidated e-Transactions count pertaining to both Central and Stateprojects. The usercan further drill down to see "State-Wise details of the selected Standard Service". Following screenshot shows Standard Services.

| tandard Services | | | | | | | | |
|--|----------------|------------------|--------------------|-----------------------|---------------|----------------|-------------------|--------------|
| Central Govt. Projects | State | Govt. Projects | Standard Services | Mission Mode Projects | Across The Co | ounter I | IOFN | Categories |
| Standard Service From: 01-01-2013 To: 25- | (s) 06-2013 | | | | | Total no. of (| e-Transactions: 4 | 47,91,84,008 |
| 51 | No. | Standard Servis | e Name | | • | No. (| of e-Transactions | |
| | 1 | Certificates | | | | | 62,24,449 | • |
| | 2 | Licenses and P | ermits | | | | 8,941 | 1 |
| | 3 | Land Record | | | | | 1,23,94,694 | 8 |
| | 4 | Integrated Fin: | ance Management Se | rvices | | | 1,08,076 | 5 |
| | 5 | Commercial Ta | × | | | | 1,52,87,369 | 9 |
| | 6 | Utility Services | and Bill Payment | | | | 6,12,533 | 3 |
| | 7 | Social Welfare | & Pension | | | | 1,77,92,160 | 2 |
| | 8 | Transport | | | | | 1,19,58,997 | |
| | 9 | Education | tion Funtan | | | | 2,06,115 | |
| | 10 | Autoulture & | tion system | | | | 25,52,557 | , |
| | 12 | Court and Judi | siary | | | | 6 12 676 | |
| | 13 | Grievance | | | | | 1.37.869 | 2 |
| | 14 | Property Regis | tration | | | | 2,560 | 2 |
| | 15 | Health | | | | | 2,35,78,576 | 5 |
| | 16 | Employment | | | | | 2,913 | 3 |

- Same data can be viewed in bar chart and pie chart, by selecting Display-type in the dropdown list provided below the chart.
- The user can change time period for displaying data by changing From Date and To Date and clicking on Submit button.

5.5.1 Drilled-down Standard Services

Standard Services can be drilled down to get the State view. Following screenshot shows Drilled-down Service Classification of the service 'Land Record'.

| Central Govt. Proje | cta Sta | te Govt. Projecta | Slamma | rd Services | Mission Mode Proje | cts Across The Con | unter | NOFN | Categories |
|---------------------|------------|-------------------|--------|-------------|--------------------|--------------------|---------|-----------------------|-------------|
| State(s) under | ar Land Re | acord | | | | | Total n | o. of e-Transaction | 1,24,52,743 |
| COLORADOWN | | | | | | _ | | | |
| | St. No. | State Name | | - | - | | | No: of e-Transaction: | • |
| | 1 | Maharashtra | | | | | | 64,31,7 | 28 |
| | 2 | Rajasthan | | | | | | 24,95,8 | 29 |
| | | Tripura | | | | | | 7,2 | 90 |
| | 4 | Haryana | | | | | | 1,86,9 | 21 |
| | 5 | Odisha | | | | | | | 91 |
| | 6 | Andhra Prades | h | | | | | 25,15,7 | 21 |
| | 7 | Madhya Prade | sh | | | | | 8,15,1 | 44 |
| | | | | | Total e | Transactions | | 1,24,52,74 | 43 |
| | | | | 10 | | | | | |

Drilled-down Standard Services to show List of Land Record

| Central Govt. Projects | State | Govt. Projects | Standard Services | Mission Mode Projects | Across The Co | unter NOFN | c | ategories |
|--|-----------------------|----------------|-------------------|-----------------------|---------------|-------------------|-----------------|-----------|
| State(s) under (Promi 82-82-2823 Toi 2 | Other 5e 5-06-2013 | irvices | | | | Total no. of e-Tr | ansactions: 10, | 52,90,129 |
| | SI. No. | State Name | | | | No. of e-1 | ranzactions - | |
| | 1 | Maharashtra | | | | | 7,79,828 | |
| | 2 | Jammu and Ke | ahmir | | | | 2,924 | |
| | | Rajasthan | | | | | 54,80,500 | |
| | 4 | Tripura | | | | | 8 | |
| | 5 | Haryana | | | | | 90,486 | |
| | 6 | Gujarat | | | | | 10,98,716 | |
| | 7 | Odisha | | | | | 593 | |
| | 8 | Tamil Nadu | | | | | 2 | |
| | 9 | Chandigarh | | | | | 34,832 | |
| | 10 | Kernataka | | | | | 15,45,841 | |
| | 11 | Andhra Prade | sh | | | | 3,15,01,209 | |
| | 12 | Mizoram | | | | | 27,105 | |
| | 19 | Himachal Prad | leah | | | | 10,915 | |
| | 14 | Puducherry | | | | | 24 | |
| | 15 | Madhya Prade | uh | | | | 6,47,16,651 | |
| | | | | Total e-1 | Transactions | 10 | 0,52,90,129 | |

Drilled-down Standard Services to show Other Services for various States

5.6 Mission Mode Projects (MMPs)

This menu items enables the user to view the e-Transactions count for various National, State and Integrated MMPs across the nation. Following screenshot shows transaction of Mission Mode Projects in tabular form.

| ntral Govt. Pr | rojects Str | ate Govt. Projects Standard Services | Mission Mode Proje | Across The Counter | NCEN | Categories |
|----------------|-------------|--------------------------------------|---------------------|--------------------|----------------------------|-------------|
| Aission Me | ode Project | t 1 | | То | tal no. of e-Transactions: | 2,56,59,745 |
| | | | | | | |
| | SL No. | Mission Mode Project | 1 | | No. of e-Transactions | 1 |
| | 1 | Commercial Taxes | - | | 1,52,87,369 | |
| | 2 | e-Procurement | | | 1,80,380 | |
| | 3 | Road Transport | | | 36,64,200 | |
| | 4 | e-District | | | 30,35,556 | |
| | 5 | Immigration, Visa and Foreigners R | egistration& Tracki | ng (IVFRT) | 34,92,240 | |
| | | | Total e | -Transactions | 2,56,59,745 | |
| | | | | | | |
| _ | | Frem* 01-01-2013 | | Display | Ivee Tabular Data 💌 | |
| RIC | ORMATICS | (DD-MMI INYN) | | | No | |

- Same data can be viewed in bar chart and pie chart, by selecting Display-type in the dropdown list provided below the chart.
- The user can change time period for displaying data by changing From Date and To Date and clicking on Submit button.
- It can be clicked to further drill-down for details.

5.6.1 Drilled-down Mission Mode Projects

Mission Mode Projects can be drilled down to get the status of MMPs across various states. Following screenshot shows drilled-down view of e-District MMP.

| Central Govt. Proj | octs Stat | le Govt. Projects | Standard Services | Mission Mode Projects | Across The Counter | NOFN | Categories |
|--------------------|-------------|-------------------|-------------------|-----------------------|--------------------|---------------------------|---------------|
| State/Centre | al under e- | District Project | | | Т | otal no. of e-Transaction | ns: 30,35,556 |
| | | | | | | | |
| | 5L No. | State/Central | | | | No. of e-Transactions | - |
| | 1 | Heryene | | | | 4,24,10 | 8 |
| | 2 | Kerala | | | | 8,22,87 | 4 |
| | 8 | Madhya Prades | h | | | 9,93,01 | 6 |
| | 4 | Odisha | | | | 28,67 | 0 |
| | | Tamil Nadu | | | | 4,84,75 | 6 |
| | 6 | Uttarakhand | | | | 25,53 | 5 |
| | 7 | Uttar Pradesh | | | | 6,07,09 | 9 |
| | | | | Total e-Tra | nsactions | 30,35,55 | 6 |
| | | | | | | | |

- Same data can be viewed in bar chart and pie chart, by selecting Display-type in the dropdown list provided below the chart.
- We can change time period for displaying data by changing From Date and To Date and clicking on Submit button.

| Central Govt. P | rojects St | ate Gevt. Projects | Standard Services | Hission Mode Projects | Across The Counte | P NOPN | Categories |
|------------------------------|----------------|---------------------|-------------------|------------------------------|-------------------|--------------------|---------------------|
| Standard S Frem: 01-01-20 | Service(s) | | | | | Total no. of e-Tra | nsactions: 4,24,106 |
| | | | | | | | |
| | 81. No. | Standard Service N | lame | | | No. of e-Trans | actions - |
| | 1 | Certificates | | | | | 2,14,728 |
| | 2 | Land Record | | | | | 1,29,977 |
| | 9 | Utility Services an | d Bill Payment | | | | 2 |
| | 4 | Grievance | | | | | 46,109 |
| | | Other Services | | | | | 33,295 |
| | | | | Total e- | Transactions | 4 | ,24,106 |
| | | | | | | | |
| | | , | 01-01-2013 | 1171 | 014 | Tabular Data | 0 |
| MIC | FORMATICS NTRE | | 29-00-2013 | 1000 | | Exchange in | - |

Service-wise Details of Selected state under Mission Mode Projects

5.7 Across the Counter Services

It includes services meeting the e-Transaction criteria or are assisted services delivered across the counter. Following screenshot shows the states providing across the counter services.

| Central Govt. Pr | rojects St | ate Govt. Projects | Standard Services | Illission Mode Projects | Across The Coun | ter NOFN | Categories |
|------------------|-------------|--------------------|-------------------|-------------------------|-----------------|-----------------------------|---------------|
| State(s) pro | oviding Act | ross the Counter | Services | | | Total no. of e-Transactions | : 2,75,48,283 |
| | | | | | | | |
| | SL No. | State Name | | | | No. of e-Transactions | |
| | 1 | Chandigarh | | | | 56,336 | |
| | 2 | Chattisgarh | | | | 27,99,689 | |
| | 3 | Karnataka | | | | 58,99,320 | |
| | 4 | Maharashtra | | | | 73,19,004 | |
| | 5 | Meghalaya | | | | 5,21,327 | |
| | 6 | Mizoram | | | | 80,519 | |
| | 7 | Odisha | | | | 29,063 | |
| | 8 | Puducherry | | | | 3,357 | |
| | 9 | Rajasthan | | | | 1,03,02,428 | |
| | 10 | Tripura | | | | 5,04,440 | |
| | 11 | Uttar Pradesh | | | | 7,265 | |
| | 12 | Uttarakhand | | | | 25,535 | |
| | | | | Total e-Trans | actions | 2,75,48,283 | |

- Same data can be viewed in bar chart and pie chart, by selecting Display-type in the dropdown list provided below the chart.
- The user can change time period for displaying data by changing From Date and To Date and clicking on Submit button.
- It can be clicked to further drill-down for details.

5.7.1 Drilled-down Across the Counter Services

Across the counter services can be drilled down to view services under particular state. Following screenshot shows services of Chandigarh.

| ross The Counter > entral Govt. Projec | Chandiga ts Sb | the Govt. Projects | Standard Services | Mission Mode Projects | Across The Counter | NOFN | Categories |
|---|-------------------|--------------------|--------------------|-----------------------|--------------------|------------------------|---------------|
| -Service(s) o | f State, | Across the Cour | nter Services | | | Total no. of e-Transac | tions: 56,336 |
| | | | | | | | |
| | SL No. | Service Name | | | | No. of e-Transactions | |
| | 1 | Driving License | Issued | | | 11,686 | 5 |
| | 2 | Learner License | Issued | | | 6,506 | 5 |
| | з | Mc Grievances | Received | | | 242 | 2 |
| | 4 | Vehicle Hypoth | ecation Addition/T | ermination | | 10,193 | 3 |
| | 5 | Vehicle Noc Iss | ued | | | 1,059 | 9 |
| | 6 | Vehicle Registre | ation | | | 21,766 | 5 |
| | 7 | Vehicle Registra | ation Renewal | | | 1,184 | 1 |
| | 8 | Vehicle Transfe | r | | | 3,700 | 0 |
| | | | | Total e-Tr | ansactions | 56,336 | 5 |
| | | | | | | | |

- Same data can be viewed in bar chart and pie chart, by selecting Display-type in the dropdown list provided below the chart.
- The user can change time period for displaying data by changing From Date and To Date and clicking on Submit button.

5.8 National Optical Fibre Network (NOFN)

It includese-Services under National Optical Fiber Network (NOFN). It provides State wise, District wise, Block wise and services wise transaction count of e-Services. Following screenshot shows State wise transaction count:

| Central Govt. Pr | ojects S | tate Govt. Projects | Standar | d Services | Illission | Mode Projects | Across The C | Counter | HOFN | Categories |
|------------------|---------------------------------|---------------------|---|---|-----------|---------------|--------------|--------------|--------------------------|------------------|
| State(s) pro | oviding e-9 13 To: 25-06-200 | Services through P | NOFN | | | | | [| Total no. of e-Tra | nsactions: 8,578 |
| | | | | | ~ | | - | 10 | | 1 |
| | SI, No. | State Name | 1 | | | - | | | No. of e-Transactio | 85 - |
| | 1 | Rajasthan | | | | | | | | 14 |
| | 2 | Tripura | | | | | | | | 164 |
| | 3 | Andhra Pradesh | | | | | | | 8, | ,400 |
| | | | | | | Total e-Tra | ansactions | | 8,5 | 578 |
| | | | 1 | | | | | | | |
| NIC | TIONAL ORMATICS | | Fram ^a (m To ^a (| 01-01-2013 5-08-100 25-06-2013 to AM (100) | 3 | | | Οισρίας Τγρο | Tabular Data 💌 Submit | |

- Same data can be viewed in bar chart and pie chart, by selecting Display-type in the dropdown list provided below the chart.
- The user can change time period for displaying data by changing From Date and To Date and clicking on Submit button.
- It can be clicked to further drill-down for details.

5.8.1 Drilled-down view of NOFN

User can drill down states providing e-Services through NOFN to view Block wise transactions.

| Central Govt, Proje | | | | | | | |
|---------------------|--------------|---------------------|-------------------|-----------------------|--|------------------------------------|---------------|
| | ects S | tate Govt. Projects | Standard Services | Mission Mode Projects | Across The Counter | NOFN | Categories |
| Block(s) of V | lisekhep | etnem District in | Andhra Pradesh | State providing e-Ser | vices through NOFN | Total no. of e-Transac | ctions: 8,400 |
| From: 01-01-2013 1 | 10: 25-06-20 | 1.5 | | | | | |
| | | | | | | | |
| | SI, No. | Block Name | | | • | No. of e-Transactions - | |
| | 1 | Paravada | | | | 8,400 | |
| | | | | Total e-Tr | ansactions | 8,400 | |
| | | | | | - 1 | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | 04.04.004 | 3 100 | Disate Ter | Tabulas Data In | |
| | | | 01-01-201 | | La set de la set | Tabutar Data W | |
| | REATHER | | from 01-01-201 | | | | |

- Same data can be viewed in bar chart and pie chart, by selecting Display-type in the dropdown list provided below the chart.
- The user can change time period for displaying data by changing From Date and To Date and clicking on Submit button.
- It can be clicked to further drill-down for details.

| Central Govt. Projects | Male Govt. Projects Standard Services | Illisten Mode Projects Ac | rose The Counter | NOM | Categories. |
|---|---|---------------------------|------------------|-----------------------|----------------|
| e-Service(s) of Pa Fram: 01-01-2013 To: 25-0 | ravada Block in Visakhapatnam Distric 5-2013 | ct of Andhra Pradesh Stat | e through NOFN | Total no. of e-Trans | actions: 8,400 |
| 84. | io. Service Name | | + | No. of a Transactions | |
| 1 | Agriculture Income Certificate | | | | 2 |
| 1 | Birth Certificate - Coma | | | 1 | 9 |
| 1 | Corrections in Adangal/Pahani | | | 1 | 2 |
| | Current Adangal / Pahani | | | 1,10 | 9 |
| | Death Certificate - Colma | | | 1 | 0 |
| | Duplicate Copy of Certificate - Incor | me | | 2 | 7 |
| | Duplicate Copy of Cartificate - Integ | rated | | 6 | 7 |
| 1 | Duplicate Copy of Certificate - Resid | lenca | | 2 | 5 |
| | Ehe Certificate | | | 2 | 7 |
| 1 | F.M.B Copy | | | 7 | 4 |
| 1 | Family Member Certificate | | | 8 | 8 |
| 1 | F-Line Petitions | | | 20 | 6 |
| 1 | I Income Certificate | | | 1,52 | 15 |
| 3 | Integrated Certificate | | | 2,63 | a |
| 3 | i lass Services - Income Fee Reimburo | ement | | | 8 |
| 1 | Isas Services -Income Certificate | | | | 7 |
| ONAL RMATICS RE | From* 01-01-2013 (00-448-1777) To* 25-06-2013 | | | Display Type Tabular | Data 💌 |

National Informatics Centre

5.9 Categories of Services

Services are classified into four categories i.e. A, B, C and D:

- 1. A-Statutory and Non Statutory Services
- 2. **B**-Utility Bill payments
- 3. C-Business to Citizen (B2C) Services
- 4. **D**-Information Services

Following screenshot shows transaction of categories in tabular form.

| entral Govt. P | rojects Si | tate Govt. Projects Stand | lard Services | Mission Mode Projects | Across The Court | ter NOFN | Categories |
|----------------|-------------------------|---------------------------|----------------------------|-----------------------|------------------|------------------------|---------------------|
| Category(i | es) 13 To: 25-06-201 | 1 | | | | Total no. of e-Transac | tions: 48,25,22,792 |
| | | | | | | | |
| | SL No. | Calegory | _ | | | No. of e-Trans | actions |
| | 1 | Statutory and Non Sta | atutory Service | | | 20,5 | 1,97,665 |
| | 2 | Utility Bill payments | | | | | 5,91,841 |
| | з | Business to Otizen (82 | C) Services | | | 3,1 | 3,45,365 |
| | 4 | Informational Services | 10 | | | 24,1 | 3,87,920 |
| | | | | Total e-T | ransactions | 48,25 | ,22,792 |
| | | | | | | | (ACM/95080347) |
| | | From* | 01-01-2013 | | Displ | ay Type Tabular Data 💌 | |
| NK | FORMATICS | Te* | (DD-MH-TYYY) 25-06-2013 | 1221 | 20105 | Submit | |
| | | | (DO-MH-YYYY) | Salas. | | Saterine | |

5.9.1Drilled-down Categories of Services

Categories of servicescan be drilled down to view services under the particular category. Following screenshot shows Drilled-down view of the services under category 'B'.

| Service(s) of Ca From:01-01-2013 Tax | tegory | в | | | | Total no. of e-Transactions | : 5,91,841 |
|---|---------|--------------------------------|------------------|-----------------------|------------|-----------------------------|------------|
| | | | 0 | | | | |
| | 51, No. | Service Name | | | | No. of e-Transactions | |
| | 1 | Haryana Project (Receip | t of Water Bil] | | | 7 | |
| | 2 | Lakshadweep Project [E | lectricity Const | imer Bills Collected] | | 1,07,102 | |
| | 3 | Lakshadweep Project [E | ectricity Const | imer BBs Generated | | 1,04,997 | |
| | 4 | Topura, District (Electric | ty Balling | | | 1,72,859 | |
| | 5 | Trioura District (Electric | ty Reading 1 | | | 38.143 | |
| | | to de activitante a ferreraria | -1 (1 | Total e-T | ansactions | 5 91 841 | |
| | | | | Total e II | ansactions | 2)22/042 | |
| | | 1007 | 01-01-2013 | 100 | | Testa Testa Testa | |
| NIC | ATICS | | 25-06-2013 | 1000 | | | |
| | | 38* | (cowerm) | | | Submit | |

• Same data can be viewed in bar chart as well as pie chart, by selecting Display-type in the drop-down list provided below the chart.

5.10 Other Graphical Views

Pie Chart: Following screenshot showstransactions (Sate Govt. Projects) in Pie Chart form.



- Each 3D Pie piece depicts states identified by different color.
- Size of each Pie Piece shows total e-Transactions recorded in that State, as compared to the total number of e-Transactions recorded for all the states during the period specified by user.
- Each Pie Piece can be clicked to further drill-down for details.

| Home e-Transactions View Analysi | s Downloads | | | |
|--|-------------------|-----------------------|-------------------------|-----------------------|
| Central Govt. Projects Mervene | Standard Services | Mission Mode Projects | Across The Counter BOFH | Categoriea |
| Standard Service(s) of Haryan Konsi01-05-0013 16:05-06-0013 | na | | Total no. of e-Tran | sactions: 2.50.39.975 |
| | | | -Wealth Dilevance | 5.) |
| | | | Tradisport | |

Drilled-down Pie Chart of Standard Services of Haryana



Drilled-down Pie Chart of Services of Transport under Haryana

Bar Chart: Following screenshot illustrates the graphical representation of e-transaction count for State Govt. Projects in Bar Chart form.

| Central Govt. Projects State Gov | . Projetite Standard Services Mission Mode Proj | ecta Across The Courter BOFB Categories |
|---|---|---|
| State Govt. Projects Press 01 45 3018 % 24 46 3018 P0.000,000 36.000.000 | | Total no. of e-Transactions: 19,94,95,470 |
| 26.004,000 26.004,000 | 1_1 | 3. 3 |
| | PEBSSIESBEBBB Mete | |
| | ****** 01-01-2013 | make type Bar Chart . |

- Each 3D column bar depicts states identified by different color.
- Height of each column bar shows total transactions occurred in that State, during the period specified by user.
- Each state can be clicked to further drill-down for details.



Drilled-down Bar chart of Standard Services of Haryana



Drilled-down Bar Chart of Transport Services under Haryana

6 Analytical Charts

6.1 Time-line Analysis

This option enables the user to view the e-Transactions count over a period of time. Following screenshot shows details of e-Transactions in tabular form.

| Time-line / | Analysis | | | Total no. of e-Transactions: 50,19,23,862 |
|-------------|--------------------------------|---------|----------------------|---|
| | | 1 Pages | | |
| | -8L No. | 2011 | | 13.10.807 |
| | 2 | 2012 | | 2,14,29,047 |
| | 3 | 2013 | | 47,91,84,008 |
| | | | Total e-Transactions | 50,19,23,862 |
| | | | | A |
| NIC | ATIONAL SEOSMATICS ENTRE | | Tabular Data | |

- This table can be further viewed in detail by drilling down as:
 - Months of particular year.
 - Weeks of a particular month.
 - Services in selected week of a particular month of a particular year.
- Same data can be viewed in bar chart and pie chart, by selecting Display-type in the dropdown list provided below the chart.

| Monthly Tr | ansactions | | Total no. of e-Transactions: 47,91,84,000 |
|------------|------------|----------|---|
| 1100-1002 | | | |
| | SI. No. | Month | No. of e-Transactions = |
| | λ | January | 3,90,36,033 |
| | 2 | Pebruary | 4,07,89,261 |
| | | Marsh | 11,96,63,223 |
| | 4 | April | 8,34,06,365 |
| | 5 | May | 11,42,58,116 |
| | | June | 8,21,01,010 |
| | | | Total e-Transactions 47,91,84,008 |
| | | | |

Drilled-down Time-line Analysis to view Monthly Transactions

| Weekly Tran June, 2015 | sactions | | | | Total no. of e-T | ansactions: 8,21,01,0 |
|---------------------------|-----------|-------------|---|----------------------|------------------|-----------------------|
| | SI, No. | Week | | | No. of e-T | ransactions = |
| | 1 | First Week | | | | 3,32,15,558 |
| | 2 | Second Week | | | | 2,66,86,647 |
| | 3 | Third Week | | | | 2,21,98,805 |
| | | | - | Total e-Transactions | 8 | ,21,01,010 |
| NIC | DOMAL ICS | | | Tabular Data 💌 | | |

Drilled-down Time-line Analysis to view Weekly Transactions

| | Apprepation & Analysis Layer Ministry of | Communications & Information Technology, Government of India |
|-----------------------|--|--|
| tome e-Transactio | ns View Analysis Downloads | |
| ime line Anabais a 20 | 13 a june a Third Wash | |
| Standard Servic | e(s) | Total no. of e-Transactions: 2,21,98,805 |
| 81. 1 | No. Nandard Nervice Name | - No. of a Transactions - |
| 3 | Certificates | 3,66,552 |
| 2 | Licenses and Permits | 287 |
| | Land Record | 4,33,161 |
| | Integrated Finance Management Services | 5,005 |
| | Commercial Tax | 7,36,599 |
| | Utility Services and Bill Payment | 25,498 |
| 7 | Social Welfare & Pension | 44,041 |
| | Transport | 1,37,270 |
| 9 | Public Distribution System | 76,265 |
| 3 | D Court and Judiciary | 818 |
| 1 | 1 Orlevance | 6,305 |
| 3 | 2 Health | 0,79,196 |
| 3. | 3 Employment | 96 |
| | | |

Drilled-down Time-line Analysis to view Standard Service Wise Transactions

6.2 Comparative Analysis

This menu item enables the user to perform an analysis of the variation in e-Transaction count over a period of time e.g. number of e-Transactions in the current year as compared to the number of e-Transactions recorded in a selected year. Or comparison between number of e-transactions recorded in a particular month this year with respect to the number of e-Transactions recorded in the specified year for the same month.

| | | Year: 2013 | Comparison in Two | Year 💌 Submit | | | |
|----------------|-------------|------------|-------------------|---------------|------------|------------|---|
| FusionCharls T | rial | | | | | | _ |
| | #1.000.000 | | eTa | al | | | |
| | 54.000,000 | | | | | | |
| | 27.000.000 | | | - | 20.421.122 | | |
| | 1 | (1,503,22 | | | | | |
| | -54.000.000 | | | | | 22,127,104 | |
| | January | relayery | Hardt Pareth | Paper1 | New | June | |

Theabove graph shows the variation in e-Transactions recorded over months of the year 2013.

The user may perform an analysis of number of e-Transactions recorded between two different years (Month Wise) byselectingthe years amongst which the comparison is to be made through the drop down lists.

| Analysis - Cemparative Analysis | Varie [2017 [2] 2012 [2] Science |
|---------------------------------|--|
| Territorith and Territori | Landa - Factor III - Managara |
| 135.050.000 | Nest |
| 96,000,000 | |
| 72,000,000 | |
| 24.000.000 | |
| | |
| January Pathyany | Hardh Aptil Has June July August Bestember October Invertiber December Headth |
| | 16 2013 16 2012 |

6.3 Line Chart Analysis

User can perform Year Wise, State Wise and Service Wise analysis of no. of e-Transactions by selecting desired year from the drop down list. Following screenshot shows the State Wise analysis for the year 2013.

| Analysis - Line Chart Analysis | ©Year Wise @State V Year: [] | Vise ©Service Wit 013 • | Let | | |
|--------------------------------|---------------------------------|----------------------------|-----|---------------|--|
| PusionCharts Trial | State | Wise Analysis | | | |
| 13.000.000 | | ear:2013 | 1 | | |
| 7.000.000 | | | | | |
| 000.019-3 | | | 1 1 | | |
| 1 1 1 | | | | 1 1 | |
| | • UI • UP | | | HP 61 H2 8 00 | |

6.4 Analysis of Services

User can perform Service Wise analysis of no. of e-Transactions by selecting desired year from the drop down list. Following screenshot shows the Service Wise analysis for the year 2013 in the form of bubbles.

| Home e-Transactions View Analysis Downloads | | | |
|--|---|---|---|
| Analysis of Analysis of Terrorati | | | |
| | Yean [2013]m] | | |
| FusionCharts Trial | Service Wise Analysis | | |
| 109,000,000 | Year:2013 | | - |
| 88,000,000 | | | |
| 88,000,500 | | | |
| 1 =0.000,000 | | | |
| 28.000.000 | | | |
| a Deniary Paknary Hanh | ind Hay Jone July Report Heaths | Rayterritar Ostakar Ascervitar Deservitar | _ |
| Certification University and PolyTick Total Wolfare is PolyTick PolyTick | Land Rissed Transport Transport Apriochare & Alteri | Convertential Tau Education Count and Sulfiniary Count and Sulfiniary Oriengone | |

6.5 % Share of Services

User can perform Service Wise analysis of no. of e-Transactions in terms of percentage by selecting desired year from the drop down list. Following screenshot shows the Service Wise analysis for the year 2013 in the form of bubbles.



7. Service Enrolment

Service Enrolment is reserved for administrator for approving the Project entry, Service entry and Enrolment of web services by owner of the project. This option could be invoked only after login through Admin Login.

| <u>eTaal Admin Login</u> | |
|--------------------------|--|
| User Name | |
| Password | |
| Login | |

7.1 **Project Entry**

Entry of the project is done by the owner of the project. The owner needs to specify the Project name along with the person who has requested for the entry of it. Screenshot of the project entry page is shown below:

| | € state © : | Central Projec | ts O others | | | |
|--------------------------|---------------|----------------|-----------------|-----------|---|--|
| Contact Person Name * | Balact | 1001 | Designation * | Free | - | |
| Email 1D * | UP.Admin@nic. | in . | Contact No * | 999900000 | | |
| Request For Port Opening | | | | | | |
| | | | | | | |
| | 5 | Save | Show List Clear | | | |
| | | | | | | |
| I | | | | | | |

Once all the details of the person along with the Project name are entered, it can be saved by clicking on the Save Button. Complete list of the projects can be viewed by clicking on the 'Show List' Button. Clear Button is used to clear the details already entered in the current screen. The Approve Button is used to approve the list and save it permanently in the database.

National Informatics Centre

7.2 Service Entry

Entry of service is done by the owner of the project. He/she needs to specify the Service name along with the person who has requested for the creation of it. Screenshot of the service creation page is shown below:

| Name Contact No. | Project Admin 999988888 | | Designation * Email ID * | Einp UP,Admin@ric.in | |
|---|---|-------------------------------------|--|--|---------|
| Project * | Select | Add New | Catagory * | Select | Add New |
| Local/Regional Service Name Is Across Counter | 1 | | Brief Description | | |
| Transection Benchmark Service is requested thr Database is electronic/c | bugh electronic means inc ligitised. | lading mobile devices. Save Show | E Workflow/s Service deli Citear | approval process is elect very is electronic. | renic. |

Service creation consists of two sub-sections:

1. 'Service Reported By and Service Details' Section: In this section, details of the person who is reporting the service is entered. The name, designation, contact no. and email id is captured.

Also, details of services are entered in following format:

- a. Select Project, Category (A,B,C,D), Major Service (Standard Service), Minor Service (Sub Standard Service).
- b. Enter local name of service to be added and brief description of the service.
- c. Check whether the service is across counter or mission mode project.
- 2. 'e-Transaction Benchmark' Section: All the benchmark are required to be fulfilled by the e-Service to participate in eTaal which are as follows:
 - a. Service is requested through electronic means including mobile devices.
 - b. Workflow/approval process is electronic.
 - c. Database is electronic/digitized.
 - d. Service delivery is electronic.

7.3 Enrolment

Web service can be registered by owner of the project. He/she needs to register the Web Service along with the details. This module is smart enough to identify and verify the correctness of the input parameter and output parameter.

| ** | idd Web Reference 🖱 Add | web URL © Add WO | f Reference 🔍 Stat | e 🗇 Central Projects 🗇 Others | |
|----|---|------------------|--------------------|--|--|
| | State" Project Name" Service URL* | -Select- | * | Note Plassic open the part of web service from | |
| | Service Name* | | | 19:30.348.90.396 to your server 19 | |
| | | | Invoke Service | | |
| | | | | | |

Data exchange in eTaal is based on web service. This page is used to add new web services/URLs in following steps:

- 1. Select type of web service: There are three types of web services:
 - i. Web Reference: It includes only .asmx type web services.
 - ii. Web URL: It includes .php and java type web services.
 - iii. WCF Reference: It includes only .svc type web services.

Select the desired type of web service. Also select whether it is state project or central project or others.

Let us take an example of 'web referenced based' service of state 'Mizoram'. Details of service are:

URL: <u>http://web4.kar.nic.in/mizoramnesd/Service1.asmx</u> UserId: vatmizoram Password :abc%YZ\$4442

Select Add web reference and state as shown in above screenshot.

2. Select State and Project Name. Here the state is 'Mizoram' and project is 'VATSoft-Mizoram'.

| Add Web Deference | | Register Web S | service | ata 🔿 Othara | |
|---|--|----------------|---------|--|--|
| St Project Na Service L Service Na URL of Applica Keyw | ate* Mizoram me* VATSoft-Mizoram JRL* tion ords | × | | Note Please open the port of web service from IP:10.248.90.196 to your server IP | |
| | Pulling Frequency * | Select | | | |
| | | Invoke Serv | ice | | |

- 3. Enter 'Web Service Name'. The web service name should be 'Name of the class used in web service'.
- 4. Enter URL of application and select pulling frequency. Then click on 'Invoke Service' button.

| Home e-T | ransactions View Analysis | Service Enrolment Approval Report Audit Trails Downlo | oads Logout | Change Password |
|----------|--|---|---|-----------------|
| | | Register Web Service | | |
| | Add Web Reference Ad Ad | d Web URL◎Add WCF Reference ● State ◎ Cen | tral Projects 🔘 Others | |
| | State* | Mizoram | | |
| | Project Name* | VATSoft-Mizoram | Note | |
| | Service URL* | http://web4.kar.nic.in/mizoramnesd/Service1.asmx | please open the port | |
| - 1 | Service Name* | Service1 | of web service from IP:10.248.90.196 | |
| | URL of Application | http://web4.kar.nic.in/ | to your server iP | |
| | Keywords | | | |
| | | Pulling Frequency • Daily | | |
| | | 🗹 As per eTaal pulling engine | Pull Time Select 💌 | |
| | | Imaka Sanica | | |

5. System will automatically show all the available methods under selected web service. Here two methods are available i.e. getStatistics and getStatisticsDS.

| dmin Corner > Enrolment | Register Web Service | | |
|---|---|--|--|
| ●Add Web Reference ○A | dd Web URL OAdd WCF Reference State | 🛛 Central Projects 🔘 Others | |
| State Project Name Service URL Service Name URL of Application Keyword | Mizoram VATSoft-Mizoram VATSoft-Mizoram Kitp://web4.kar.nic.in/mizoramnesd/Service1.asmx Service1 http://web4.kar.nic.in/ Putling Frequency Daily | Note Please open the port of web service from IP:10.248.90.196 to your server IP | |
| | ☑ As per eTaal pulling engine | Pull Time Select 💌 | |
| | Invoke Service | | |

6. Select the desired method name. System will automatically show all the input parameters available under that selected web method. At the same time, it shows 'Return type' of the method.

| URI | Project Name* V Service URL* htt Service Name* Se of Application | A I Soft-Wizoram tp://web4.kar.nic.in/mizor arvice1 tp://web4.kar.nic.in/ | amnesd/Service1.a | smx | Note Please open the por of web service from IP:10.248.90.196 to your server IP | t | |
|-------------|---|--|-------------------|--------------------|---|---------------------|---|
| | Keywords | | | | | | |
| | | Pulling Frequency • | Daily | • | | | |
| | | 🗷 As per eTaal pu | lling engine | | Pull Time Select | • | |
| | | | Invoke S | iervice | | | |
| All In | All Methods out parameter Sy Sy Sy | getStatistics @getSta /stem.String date /stem.String username /stem.String password | atisticsDS | Return | t ү ре | System.Data.DataSet | E |
| | | _ | Select Service | e Parameter | | | |
| Choose Date | Format | ®(dd/MM/yyyy) | ©(dd-MM-yyyy) |) ©(уууу/MM/dd) ©(| yyyy-MM-dd) | | |
| | | | From Date * | | | | |
| | | User N | ame Or Project Id | | | | |
| | | | Password | | | | |
| | | | Get D | lata | | | - |

National Informatics Centre

In this service the desired method is getStatisticsDS. It shows three parameters i.e. date, username and password. It also shows Return type which is DataSet in this example.

| URL of Application | http://web4.kar.nic.in/ | | to your server IP | |
|---------------------|---|----------------------|-------------------|---------------------|
| | Pulling Frequency • Daily | | | |
| | As per eTaal pulling engine | P | ull Time Select | |
| | Invoke | Service | | |
| All Methods | ◎getStatistics | | | |
| All Input parameter | System. String date System. String username System. String password | Return t | type | System.Data.DataSet |
| | Select Servic | e Parameter | | |
| Choose Date Format | ⊚(dd/MM/уууу) ©(dd-MM-ууу | y) ©(yyyy/MM/dd) ©(y | yyy-MM-dd) | |
| | From Date * | 23-07-2013 | | |
| | To Date | | | |
| | User Name Or Project Id | vatmizoram | | |
| | Password | abc%YZ\$4442 | | |
| | Get | Data | | |

7. It provides Test Area which accepts the value of the input parameter.

8. After inserting value of parameters and clicking on Get Data button we get the output.

| | | Invoke | Service | | |
|----------------|---|---|----------------------------|--------|--------------|
| All Input | All Methods oge t parameter Syst Syst Syst | etStatistics ©getStatisticsDS em.String date em.String password | Return type | System | .Data.DataSe |
| | | Select Servic | e Parameter | | |
| Choose Date Fo | ormat | ၜ(dd/MM/yyyy) ©(dd-MM-yyy | у) ©(уууу/MM/dd) ©(уууу-MM | I-dd) | |
| | V | From Date * | 16-07-2013 | | |
| | | To Date | | | |
| | V | User Name Or Project Id | vatmizoram | | |
| | V | Password | abc%YZ\$4442 | | |
| | | Get Data R | egister Web Service | | |
| | Sl No | Service Code | v | alue | |
| | 1 | VAT Registration | 3 | | |
| | 2 | CST Registration | 1 | | |
| | 3 | Returns Filed | 0 | | |
| | 4 | ePayment | 1 | 1 | |

9. Click on 'Register web service' button to save the web service in eTaal application.

Once the entire process as stated above is complete, the service is ready for integration with eTaal. Before integration, the e-Service is subject to validation and approval by the National Level Project Management Committee (PMC). Similar Committees exist at the level of States and UTs.

| National I | Informa | tics (| Centre |
|------------|---------|--------|--------|
|------------|---------|--------|--------|

8. Technical Specifications of eTaal

| Technical Specifications | Description |
|--|--|
| Technology | Microsoft Technologies with WCF |
| Browser Supported | IE 7.0 or above, Mozilla Firefox 3.6 or above, Chrome 15.0 or above |
| Reporting | HTML Reporting |
| Minimum System Specification for running eTaal | Any OS having any browser with internet |
| Unicode Compliant | Yes |
| Concurrent Access | Yes |

9. Architecture

eTaalis broadly categorized into following three components:

1. Dashboard Server Connector (DSC)

Dashboard Server Connector (DSC) runs as a service on Central Server and acts as watchdog to pull the e-Transaction count from various servers located at State and Centre.

2. Dashboard Client Connector (DCC)

Dashboard Client Connector (DCC) runs as a service on the Servers which are providing the e-Transaction count details.

3. eTaal Portal

eTaal Portal is a web portal to give view of dashboard.



Architecture of eTaal

In the architecture of eTaal drawn above, one DSC and multiple DCCs exists. One DCC is for each application.

10. Guidelines

This section provides guidelines for application administrator / developer to create Client Connector and deploy on their servers.

10.1 Prerequisites for participation in eTaal

- 1. Server on which the data that needs to be integrated with eTaal resides must be on Internet.
- 2. The application whose data needs to be integrated with eTaal may be on any operating environment (Windows/Linux; SQL Server/Oracle/MySQL/PostGreSQL; .Net /Java/PHP etc.)

10.2 Steps for creation of Client Connector

Client Connector may be Web Service, WCF service or URL based data sharing application. Client Connector may be written in any language(C#, VB.Net, Java, PHP etc.). Creation of Client Connector will consist of following steps:

- 1. Creation of Web Service or WCF service or URL based data sharing application
- 2. Creation of 'Stored Procedure' in the database which will give count of e-Transaction to web connector
- 3. Writing of the code to access stored procedure created to get the e-Transaction count.



10.3 Specifications of Client Connector

The **specifications** of Client Connector are given below:

Web Method Name: e-TransactionCount

Input Parameters: The web method created for the purpose will have following parameters:

| S.No. | Parameter Name | Format | Example |
|-------|------------------|------------|------------|
| 1 | Transaction Date | DD/MM/YYYY | 23/11/2012 |
| 2 | User Name | String | Deity |
| 3 | Password | String | xYz#\$36F |

Response Type:The web method will return either XML or dataset.

Format of XML:

Format of dataset:

This will have following set of data: ServiceCode, ServiceCount, LocationCode

Error Code Returned by Service

| S.No. | Error Code | Error Description |
|-------|------------|---------------------------------------|
| 1 | -1 | Transaction Date parameter is missing |
| 2 | -2 | Wrong credentials |
| 3 | -3 | Data is not available on this date |

Format of XML having Error Code:

```
<?xml version="1.0" encoding="utf-8" ?>
<eTaal>
<response ServiceCode="-1" Count="-1" />
</eTaal>
```

10.4 Development and hosting environment

- 1. Client Connector can be created in any of the programming language i.e. Java, C#, VB.Net, PHP etc.
- 2. It can be hosted on any web server i.e. IIS, Apache Tomcat etc.

10.5 Post deployment steps

- 1. The port on which the service is running is required to be opened for eTaal Server Connector.
- 2. Share the URL of **Web Service** with UserName and Password to eTaal Administrator.

10.6 Data pulling mechanism and assumptions

Enrolment of web service by user

- 1. Web service is created by user and hosted on server where project (State/Central) related data resides.
- 2. Port opening request is made to provide communication between servers (i.e. from Project server to eTaal server).
- 3. Enrolment of web service is done from enrolment page (in Admin Corner) of eTaal.

eTaal Process of data pulling from a project

- 1. Port opening request is made to provide communication between servers (i.e. from eTaal server to the project server).
- 2. Approval of registration by Project Management Committee (PMC).
- 3. eTaal fetches data on daily basis by invoking web service with current date as parameter and following data is obtained:
 - a. List of services provided by project on given date.
 - b. Transaction count.
 - c. Date of transaction.
 - d. Location Code as per census (if any).
- 4. The Process of invoking web service is done as per schedule determined by the user during enrolment and data is updated (in case of zero transaction of service, no data is updated) in eTaal.
- 5. For projects having irregular data updating services, web service is invoked by eTaal, it will check for last update (date/time) and pull data from that date.
- 6. Reconciliation of data between eTaal and project server to be combined once a week.

Assumptions

- 1. The web service could be hosted on live server or on intermediate server, as defined during enrolment.
- 2. Data updated on the project server is accumulative during the day and is reset to zero at oo:oo hrs.

10.7 Sample Codes

Sample Code in .Net

Interface

```
[ServiceContract]
public interface IeTaalService
{
    [OperationContract]
    [FaultContract(typeof(InvalidCodeFault))]
    int eTransactionCount(DateTime TransactionDate,String UserName,String Password);
```

Implementation of Interface

```
public class eTaalService : IetaalService
{
   #region Call StoreProcedure and Fetch Transaction
   string ConnectionString = System.Configuration.ConfigurationSettings.AppSettings["connectionstring"];
   public DataSet eTransactionCount(DateTime TransactionDate, String UserName, String Password)
   {
       try
        {
           var parms = new SqlParameter[3];
           parms[0] = new SqlParameter("@TransactionDate ", TransactionDate);
           parms[1] = new SqlParameter("@UserName", UserName);
           parms[2] = new SqlParameter("@Password", Password);
           return (SqlHelper.ExecuteDataset(ConnectionString, CommandType.StoredProcedure, "SP_eTransactionCount", parms));
        }
       catch (Exception ex)
        {
           throw new FaultException<InvalidCodeFault>(new InvalidCodeFault(ex.Message), new FaultReason(ex.Message));
       }
   }
```

Technical Document Version 1.0

Sample Code in Java

```
package in.nic.exchange.action;
import in.nic.exchange.db.DBConnection;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.text.SimpleDateFormat;
import java.util.ArrayList;
import java.util.Date;
import java.util.HashMap;
public class ExchangeWebService {
public ArrayList<HashMap<String, Float>> countRegistrationsActivityWise(Date date) {
                      Connection con = null;
                      PreparedStatement pstmt = null;
ResultSet rs = null;

System.out.println("date = " + date);

String query = "select name, sum(transactions) as total_trns from refactivity ra left join

(select * from dashboard where trndate = ?) db on db.activity=ra.code group by ra.code,ra.name order by
ra.code;";
                      SimpleDateFormat formatter = new SimpleDateFormat("yyyy-MM-dd");
                      String d = formatter.format(date);
                     ArrayList<HashMap<String, Float>> result = new ArrayList<HashMap<String, Float>>();
HashMap<String, Float> map = null;
                     try (
                                con = DBConnection.getConnection("", "");
pstmt = con.prepareStatement(query,
ResultSet.TYPE_SCROLL_INSENSITIVE,ResultSet.CONCUR_UPDATABLE);
                                pstmt.setString(1, d);
                                rs = pstmt.executeQuery(query);
System.out.println("query = " + query);
                                while(rs.next()) (
                                          map = new HashMap<String, Float>();
                                           map.put(rs.getString("name"), rs.getFloat("total_trns"));
                                           result.add(map);
                     } catch(SQLException sqle) {
    sqle.printStackTrace();
                     } catch(Exception e) {
    e.printStackTrace();
                     } finally (
                                try (
                                           rs.close();
                                           pstmt,close();
                                           con.close();
                                } catch (SQLException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
                      3
```

Technical Document Version 1.0

1

```
map = new HashMap<String, Float>();
map.put(rs.getString("name"), rs.getFloat("total_trns"));
                 result.add(map);
} catch(SQLException sqle) {
    sqle.printStackTrace();
} catch(Exception e) {
         e.printStackTrace();
} finally (
         try (
                  rs.close();
                  pstmt.close();
                  con.close();
         } catch (SQLException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
         ł
}
return null;
public float countRegistrations(Date date) {
         Connection con - null;
                  Statement stmt = null;
                  ResultSet rs = null;
                  System.out.println("date = " + date);
                  String query = "select sum(transactions) as trns from dashboard where trndate='";
                  SimpleDateFormat formatter = new SimpleDateFormat("yyyy-MM-dd");
                  String d = formatter.format(date);
System.out.println("date = " + date);
                  trv {
                           con = DBConnection.getConnection("","");
                           stmt =
if(rs.next()) {
                                    return rs.getFloat("trns");
                           } else {
                                    return 0;
                           }
                  } catch(SQLException sqle) {
                           sqle.printStackTrace();
                  } catch(Exception e) {
                  e.printStackTrace();
    finally (
                                  try {
                                          rs.close();
                                          stmt.close();
                                          con.close();
                                 } catch (SQLException e) {
    // TODO Auto-generated catch block
    e.printStackTrace();
                                 Ъ
                        }
                        return 0;
               ł
      ł
```

For further information, please contact:

dash@nic.in, sethi@nic.in, op.gupta@nic.in



National Informatics Centre

Department of Electronics & Information Technology

Ministry of Communications and Information Technology

Government of India

New Delhi – 110 003

http://www.nic.in