

State Profile:
Uttar Pradesh: Large scale operations

Technology Drive: E-Challan in Odisha



A Joint Publication
by NIC & MoRTH



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EDITOR'S NOTE

High Project Pressure

The last six months have been hectic for all personnel working for the National Transport Computerization Project what with planning and implementing the migration to online centralized server. And it does not stop at that. As with all new implementations, there are teething problems that have to be taken care of, new technology that one has to be acquainted with, and in turn acquaint the department end user with. But thanks to the untiring efforts of all those who are involved in the Project in MoRTH, in NIC and in the state transport departments, the migration has taken off smoothly enough.

However, the *NextMile* had to face the downside. Busy project co-ordinators hardly had the time to sit down and file reports for the newsletter, and we also did not feel like keeping after them beyond a reasonable limit. We had no other option but to club the October 2015 and the January 2016 issues of the *NextMile* together. The content of this combined issue itself is testimony to the priority given to the migration process all over the Country.

In the *State on the Move* section, we bring to you Uttar Pradesh - the largest of them all. The *Services Profile* section brings to you a report on the wide variety of services being provided in the Union Territory of Chandigarh. Our Technology Section features how Odisha has been successful in on-field implementation of enforcement activities through its *e-Challan*. Plus all our other regular features.

WISHING FOR ALL A VERY HAPPY AND SUCCESSFUL 2016!



Rubaiyat-ul Ali



Volume 1 No. 12 January 2016

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Uttar Pradesh – Large Scale Operations

From our Uttar Pradesh Correspondent **Dr Y K Singh**

located in northern India, the state of Uttar Pradesh (UP) was created on April 1, 1937 as a United Province, and was renamed Uttar Pradesh in 1950. Lucknow is the capital city of UP. The State shares an international boundary with Nepal and is bordered by Rajasthan to the west, Haryana and Delhi to the north-west, Uttarakhand to the north, Bihar to the east, Madhya Pradesh to the south and touches small areas of Jharkhand and Chhattisgarh to the south eastern corner. It is the fourth largest Indian state by area and is the most populous state in the Country.

Transport is an important part of India's economy. Roads are the dominant mode of transportation in India today. They carry almost 80% of the Country's passenger traffic and 65% of its freight. The tremendous growth of the automobile sector has provided a lot of comfort and luxury to the common man. Hence, there is enormous increase in the number of vehicles. As the vehicular population is increasing every year, the workload of the Transport Department is also increasing by many folds. The

enormity of this sector can also be gauged by the fact that over 30 lakhs Driving licences and over 20 lakhs Vehicles are registered by the transport authorities across Uttar Pradesh every year.

The Transport System

As in the rest of the Country, the Motor Vehicle Registration and issuance of Learners License (LL) / Driving License (DL) are governed by the Central Motor Vehicle Act and Central Motor Vehicles Rules. The State has its

own taxation structure. Although documents such as Driven Licenses (DLs) and Registration Certificates (RCs) are issued by the state, these documents are valid for the entire Country.

The major activities of the Transport System (RTO/ARTO offices) are Registration of vehicles, issuance of Fitness Certificate, Collection of Tax/Additional Tax, issuance of Permits to Commercial vehicles, enforcement and issuance of Learner License and Driving License (LL/DL).

Manual System Vs Computerized System

In the manual system, even a simple activity such as registration of vehicles was a tedious/cumbersome job for the general citizen. The four steps in getting a new vehicle registered were:

- Screening of Documents
- Submission of registration fee
- Submission of Tax amount
- Collection of Registration Certificate



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This simple task used to take hours, even days/weeks to complete, as all activities were carried out at different counters and the poor, hapless citizen had to run around, stand in separate queues, and collect receipts to get her/his work done. For each of these steps during registration, the citizen had to interact with different persons at different counters. Cumbersome office functions had gaps which provide the scope for manipulation and inaccuracies, especially in calculation of fee/tax etc.

Also, the vehicle owner or DL holder used to carry paper documents for registration certificate (RC) and Driving License (DL); these documents were not legible, often in torn condition and were difficult to manage or comprehend at times. At the same time, the Regional Transport Offices were operating on a manual mode with

documents and files pertaining to each vehicle and licensee's record being stored in a paper format.

The manual system did not even suit the Transport Department (or one can say the Government) because of non-uniformity in various fees/taxes that resulted in revenue leakage, frauds, etc. Also, the middlemen, or so-called agents, had flourished because of the outdated and irrelevant processes.

Computerization of the Transport Department has provided a single-window delivery of service to the common man. The user now visits only one counter to get his registration work done.

In order to overcome the very high workload, the UP Transport Department, with the technical support of NIC, decided to apply Information Technology in the Department in the year 2000.

Vahan was initiated in the office of RTO Lucknow as a pilot project with Oracle 7 as the RDBMS. As the pilot project was successful, the Department decided to roll out the project in the entire State. The same

version of *Vahan* was implemented in 25 ARTOs/RTOs of the State. In the year 2006, the Department decided to implement the Graphical User Interface (GU)-based *Vahan* software.

Vahan

It is a comprehensive system for all activities related to vehicle registration at RTOs. It is based on a 3-tier architecture, as well as platform and database-independent software, customized to cater to the needs of individual states.

Key Technologies: The Client-Server technology has been used. *Vahan* is an application developed in GUI (entirely in Visual Basic).

Database- This is the bottom most layer or the backend. In UP, *Vahan* works on ORACLE database (Oracle 10g).

Application Server- This is the middle layer, which manages the business rules that manipulate the data as per the governing condi-

tion of the applications. It provides a database-independent interface for applications and makes the front end robust. The application developed in GUI mode uses the DCOM server model to establish connection to clients.

Functions of Vahan: The main functions of *vahan* are

- Registration of Private/Commercial Vehicles
- Collection of fees of old/new vehicles

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- Collection of Road Tax/Additional Tax
- Issuance of Vehicle Fitness Certificates
- Issuance of Permits to Commercial Vehicles
- Online issuance of National Permit Authorization across the State (<https://vahan.nic.in/npermit/>)
- Collection of Compounding Fee & Tax of Challan

System Objectives: The major objectives of the system are summarized as below:

- Single window clearance.
- Customer satisfaction by way of reducing waiting time.
- Automatic allotment of Vehicle Registration Number.
- Uniformity in assessment of fee/fine/tax.
- Generation of defaulters list of offenders.

- Computerized revenue management.
- Better management control
- Automatic calculation of Compounding Fee & Tax,
- Notification of repeated offence of Challan
- Clean, legible and readable computer-generated certificates/receipts.
- Making data available to other government agencies i.e. Police, Income Tax, etc.

Preparation of State Register (SR) of Vehicles

In the state of Uttar Pradesh, there are 76 transport offices and *Vahan* is in place at all the 76 locations. All these offices are connected to the State SAN Server through 512 kbps Virtual Private Network (VPN) over broadband connectivity. The SAN Server is placed at the

NIC Data Centre at Shastri Park, New Delhi.

The Data Consolidation Project is aimed at consolidating the stand alone RTO data into a centralized server for creation of a State Register of vehicles. Also, The Ministry of Road Transport & Highways, Government of India, wanted the data to be consolidated at the state level to enable them to have a state view of the RTO data as well as generate various types of report from this data.

The State Register for UP has been developed and maintained, and UP data at the National Register (NR) has been available since 2010.

The RTO data is going through 3 stages of replication before it reaches the central repository. The three stages of replication are:

RTO → State Consolidation Register (SCR) – In this stage, the RTO data is moved into the SCR (State Consolidation Register)

server following the process of replication of the RTO database, where it is a one-to-one table replication.

SCR → State Register (SR) – In this stage, the SCR data is moved into the SR (State Register) server as the consolidation of all RTO data within the State.

SR → National Register – in this stage all the SR data of the State is consolidated into a single centralized server i.e. the NR (National Register).

The data from all offices gets stored/updated into a SAN storage at a defined interval. The data updates take place in an automated manner through scheduling. Oracle Data Integrator (ODI) is used for updating the data. Thus, State Register (<http://vahan.nic.in>) for the UP Transport Department has been prepared, and is being regularly updated.



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Online Services through Vahan in UP

Online tax collection for other state vehicles

... First of its kind of e-service in the Country

(<https://vahan.up.nic.in/upcheckpost>)

Any commercial vehicle (either passenger or goods) which desires to come to Uttar Pradesh (for a limited period) from other states has to deposit the tax as per Motor Vehicle Taxation Rules. This is deposited at state border offices of the UP Transport Department.

Vehicles keep on entering the State day and night. This requires the UP Transport Department to keep its tax collection counters open day and night. It is quite risky to have government money transactions (in cash) at border locations during day and night. The staff posted

at these points also feels insecure. Moreover, the passengers/ tourists/ pilgrims also have to physically locate the offices and wait for depositing the taxes.

To improve this service, the UP Transport Department asked NIC to provide a solution through which other state vehicle owners would be able to deposit the tax (prior to their entry in the state) from anywhere at anytime.

To cater to this requirement, a web-based On Line Tax Collection software solution (<https://vahan.up.nic.in/upcheckpost>) has been developed by NIC. Through this software, the customer (vehicle owners from other states) can deposit On-Line Tax using Internet Banking facility. The software calculates the tax amount based on the parameters of the vehicle concerned. If the user wants to make the payment online then she/he gets redirected to the selected bank's

Internet Banking Site. The user then makes the payment through Internet Banking. The software generates a receipt, which can be printed by the user.

For checking the authenticity of the receipt, the Transport Department officials/ enforcement agencies can see the payment details of vehicles on the Internet using the web-based software. Various reports are also generated for Transport Department officials.

The web site has also been integrated with SMS service. Information of any tax deposit is sent through SMS to the depositors mobile. Moreover, authenticity of transaction/receipt can also be checked by sending the registration number of the vehicle through SMS to a designated number.

The software solution also incorporates the service for depositing On Line Tax for other state Contract Carriage Vehicles having per-

mit to operate in NCR (National Capital Region). Transporters from other states who operate their vehicle in NCR region can also deposit tax through this web site.

The revenue collected through this web site is deposited on the same day by the bank (State Bank of India) to the UP Transport Department's government (treasury) account.

Till now more than Rs 10 crore revenue has been collected through the online portal only.

Online tax collection for UP state commercial vehicles

(<https://vahan.up.nic.in/up>)

The Online Road Tax Payment System for commercial vehicles registered in UP was inaugurated by Shri Akhilesh Yadav, Hon'ble Chief Minister of UP on November 22, 2013. With the implementation of the system, owners of 7.25 lakh commercial vehicles registered in



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the State are now able to make on-line payment of their vehicle taxes through the multi-option payment gateway of SBI. Taxpayers are also getting confirmatory SMS on their registered mobile numbers, both from the Department as well as the bank portal.

Implementation of Online Dealer Point Registration

The portal (<https://vahan.up.nic.in/vahaninweb/faces/registration/jsp/index.jsp>) facilitates dealers to make online payment of calculated taxes and fees which directly goes into the government treasury through the SBI Multi Option Payment System. The data of the Online Dealer Registration is then replicated to the corresponding



Felicitation of Sri Gautam Ghosh, STD, NIC HQ by Contract Carriage Bus Association. Dr Y K Singh, TD NIC UP and Mr Piyush Gupta TD NIC HQ were also present on the occasion.



Dr Mahesh Chandra DDG NIC HQ New Delhi interacting with the members of Bus Association.



Hon'ble Minister of Transport UP, Sri Raja Mahendra Aridaman Singh, interacting with the Tour Operators/ Transporters during dedication of the online tax collection service to the citizens. Dr Mahesh Chandra DDG NIC, Sri BS Bhullar IAS, Principal Secretary Transport Govt of UP, Sri Alok Kumar IAS, Transport Commissioner Govt of UP and Sri Manoj Kumar Singh IAS, Secretary Tourism Govt of UP were also present on the occasion.

Registering Authority over VP-NoBB connectivity. The system benefits dealers as well as the Department because of lesser cash handling and immediate realiza-

tion of government money. The data entry work of such vehicles is also off-loaded from RTO/ARTO Offices.



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Several demonstrations as well as interaction sessions were held with the different district dealers to train and make them familiar with the system, and also to resolve their issues.

Initially, the portal was launched on pilot basis in four major districts of UP viz. Lucknow, Ghaziabad, Gautambuddha Nagar and Aligarh. In the next phase, 10 more districts of UP viz. Kanpur, Meerut, Bareilly, Saharanpur, Agra, Moradabad, Jhansi, Varanasi, Allahabad and Gorakhpur were started.

At present, the Government of UP has made it mandatory for all



the dealers of UP to collect fees/taxes and generate Form-20 for private vehicles only through this portal.

Online Fancy Registration Number booking System

(https://vahan.up.nic.in/UP_fancy_numberbid/)

The Fancy Registration system has been a very ambitious citizen-centric project for the Transport Department as well as for NIC. The system gives freedom to the public to book any notified number and

pay online on First Come First Serve Basis.

After successful testing of the application with Transport Department officials, it was launched in

all the RTOs/ARTOs of UP.

Manual booking of fancy numbers is no longer allowed in offices of the Transport Department across UP.

Sarathi

In Uttar Pradesh, *Sarathi*, the NIC-developed software for issuance of Learning License and Driving License, was initiated at RTO Lucknow as a pilot project. As it was quite successful, the Government of UP decided to launch *Sarathi* in the entire State. A major decision was taken to issue only Smart Card-based DLs from January 2013.

Launch of Smart Card-based Driving License (SCDL)

Hon'ble Chief Minister of UP Sri Akhilesh Yadav launched the project for smart card-based driving license (SCDL) on January 09, 2013 at the Regional Transport Office, Lucknow. The same day, the first SCDL was given to him after he submitted his biometrics of photo, thumb impression and signature. Due to the personal appearance of the CM a message went out to the

general public that for SCDL the applicant would have to appear in person. This further eliminated the possibilities of manipulations and corruption.

Issuance of Smart card-based DL through *Sarathi* was implemented in 76 RTOs/ARTOs of UP in a record time of four months in a phased manner due to good planning.

There were 7 phases with each phase having 10 locations, except



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the last phase in which 16 locations were selected. It was a highly ambitious project of the Government of UP.

NIC developed *Sarathi* for the issuance of SCOSTA-compliant SCDL as per the directions of the Ministry of Road Transport & Highways, Government of India.

Each SCDL has a computerized chip of 64 kb in capacity with printing on both the sides of the card. NIC also developed the software KMS (Key Management System) to authenticate the pre-personalized cards. KMS has two levels – one at State Level called SKMA (State Key Management System) and another at the regional level called RKMA (Regional Key Management System)

The Government of UP is availing the services of NIC/NICSI-empowered vendors for the issuance of SCDL. SCDL will be implemented in all Regional/Sub

Regional Transport Offices in UP through NICSI.

At present more than 2 lakhs Smart Card-based DL are issued every month.

Online Learning License/ Driving License Application System

The system facilitates DL seekers to submit LL/DL forms and submit fees online through the portal <https://sarathi.nic.in>.

The applicant is required to download the related LL/DL application form in PDF format, get it filled, submit it online and make the payment.

The payment is facilitated through the Multi Option Payment System (MOPS), where the applicant can choose any option to pay the fees. The applicant can also book a time-slot at his/her convenience. They can then visit the transport office during working hours for bio-metrics and other required for-



(L-R: Dr Y K Singh STD, K Ravinder Naik Transport Commissioner, Shri Durga Prasad Yadav, Transport Minister UP Government, Dr Rajendra Prasad, Additional Transport Commissioner, Shri A K Pandey, Deputy Transport Commissioner)

malties.

The Regional Transport Office Lucknow was the pilot for the *Sarathi*-on-web project. Based on its successful run in Lucknow, this system has been extended to 19 more districts in a phase-wise

manner.

RTO Lucknow is the first in the Country to have successfully implemented the online payment system for LL and DL.

The system is designed by National Informatics Centre,

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Hyderabad and Bengaluru.

The Government of UP has decided to accept only online application for issuance of LL/DL

for Lucknowites.

Hence, it has become mandatory for license seekers of Lucknow to submit their applications and make

the payment of requisite fees only through the online mode.

The online system was inaugurated on January 08, 2015 by Shri Durga

Prasad Yadav, Transport Minister, Government of UP.



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Chandigarh : Transport Department Services

From our Chandigarh Correspondent Shri Vivek Verma, Scientist-F and Shri Noor Singh Saini, Scientist-B

With the aim of making the interaction of citizens with the Department a pleasant experience, the Transport Department, Chandigarh Administration has in course of the last year embarked upon a number of initiatives to leverage the potential of technology. In order to achieve this, various processes have been re-engineered and alternate delivery channels have been explored and provided. Some of these initiatives are listed below:

□ **Launch of Sarathi 4.0**

On 21st September 2015, the Registering & Licencing Authority, Chandigarh Administration, became the first State/Unit in the Country to launch the Sarathi 4.0 Licensing application to facilitate the citizens of Chandigarh. *Sar-*



First Learner Licence generated by Sarathi 4.0 being issued

athi 2.0 was already running successfully in Chandigarh since July 2007, and the newer version of the software, with many new citizen centric features, has made many processes simpler, faster and comfortable for ordinary citizens. Presently, Learners Licence operations have been started and gradually all operations

pertaining to the licensing branch will be shifted to *Sarathi* 4.0.

□ **Launch of mobileRLA**

The Chandigarh Administration, in sync with the vision of the Government of India, is committed to offer technology enabled services to citizens. In this direction, an android-based Mobile App,

mobileRLA, was launched during the Digital India Week. Currently the app can be downloaded from the Google Play store, and the Government of India's mobile app store – Mobile Seva. *mobileRLA* - the comprehensive mobile app features driving license details, vehicle registration details, High Security Registration Plate (HSRP) running series, office locations, timings and holidays. For those planning to get a new learner license, the app provides a list of various signs and symbols as well as a mock test utility





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The Adviser to the Administrator, UT, Chandigarh, Mr. Vijay Dev launching "mobileRLA" a mobile application of Transport Department

to check their preparedness. For those who are planning to buy a new vehicle, the mobile app provides dynamic information on the numbers available in the current and previous series. A utility tax calculator is also available for calculating fees on vehicle registration. The mobile app is also a repository of all procedures involved in getting various services from the R&LA office. The ap-

plicants can also check the list of available vanity numbers to apply for the vehicle number of their choice. Integration with maps has also been done to facilitate residents to navigate to office locations.

□ **Website of Transport Department, Chandigarh** (<http://chdtransport.gov.in>)

The newly designed website

of the Transport Department, Chandigarh Administration (<http://chdtransport.gov.in>) was launched on Friday, January 9, 2015. Developed by the National Informatics Centre, UT Chandigarh, it has been designed taking both content and aesthetics into account, and conforms to the guidelines issued for Indian government websites. Through the new website, the Transport Department aims to enable the residents of Chandigarh to access a wide range of information and services that are delivered through the Registering & Licensing Authority and State Transport Authority, thus increasing both transparency and accountability of the

Department.

The various dynamic modules of the website aim at making the system more efficient transparent and responsive. Some of the key features of the website are:



Website of Transport Department, UT Chandigarh

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- Services provided by R&LA and STA offices:
- Fee & Road Tax calculator
- Vehicle Registration details
- Driving License details
- Online Mock Test
- Available numbers in the series
- Test results of Learners Licence and Regular licence
- High Security Registration Plates
- Traffic Signs and Safety Rules & Regulations:
- Administrative Setup/ Locations
- Acts/Notifications and Frequently Asked Questions
- News & Updates
- Grievance Redressal

Smart Card Printing through NICSI empanelled vendor

Smartcard-based Driving Licenses

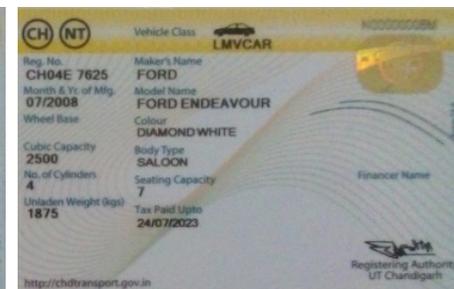
(DLs) & Registration Cards (RCs) are being issued in Chandigarh through *Sarathi* and *Vahan* since 2007 and 2009 respectively. In 2014 it was decided by the Transport Department to engage NICSI-empanelled vendor for the printing of Smartcard-based DLs and RCs. This was necessitated by the fact that the public was being put to a lot of harassment and inconvenience due to increasing pendency. In July 2014, the Transport Department, UT Chandigarh decided to engage NICSI empanelled Smartcard vendor for printing and personalisation of DLs and RCs. M/s M-TECH Innovations Ltd, Pune was entrusted with



Smart Card based Driving Licence



Smart Card based Registration certificate



this responsibility and was asked to commence operations from October 2014. The layout of DLs and RCs were also redesigned by the National Institute of Design, Ahmedabad as per the approved format of the Ministry of Road Transport and Highways. Some of the Salient Features of these Smart Cards are:

- State-specific security features such as Micro-text, Guilloche Patterns and Hologram have been used for the new smartcards according to Government of India approved guidelines.
- The security features serve as a check against duplication of the smartcards, and the Government of India approved design helps align the Chandigarh design with that of other states in order to provide a pan-India uniformity
- Composite Card of 60% PET and 40% PVC used for Card body
- Top Polyester patch of 10mil (minimum) has been applied

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above the thermal Printing layer for durability of printing which also acts as a deterrent for tampering with the data and image used in the visible zone.

□ **RC/DL Delivery through Speed Post**

In a step to make the interaction of citizens with it more pleasant, the UP Transport Department embarked upon the initiative of postal dispatch of DLs/RCs. The solution provided by NIC and the Postal Department, was launched on October 2, 2014 with the sole aim of reducing footfalls at RLA

offices by providing DLs/RCs right at the door steps of the applicants through Speed Post. This delivery mechanism of RCs/DLs at the door step of the applicants through Speed Post has also helped in verification of the address proof of the applicants. A Covering Letter and a Unique Speed Post Consignment Number is generated for every RC or DL posted. An SMS is also sent to the applicant informing the consignment number and DL/RC number. Thereafter, the consignment can be tracked on the official website of Indian Post.

Transport Department, Chandigarh Administration
Registering & Licensing Authority
Sector-17, Chandigarh-160017
Phone: 0172-2700341

To _____

Issue No. R&LA/RC-DL/2014/
Issue Date _____

Subject: Smart Card Registration Certificate/ Driving License No. _____

Dear Sir/Madam,

We thank you for giving us this opportunity to serve you and it is our constant endeavour to make your experience with the Registering & Licensing Authority, U.T., Chandigarh truly satisfying.

Your Smart Card Registration Certificate/ Driving License No. _____ is enclosed herewith. You may also visit the official website of the Transport Department, Chandigarh Administration at <http://chdtransport.gov.in>, for any further details.

Wishing you happy and safe driving!

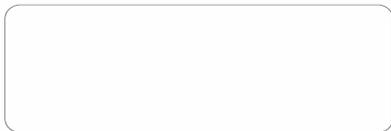
Yours faithfully,
Registering & Licensing Authority,
U.T., Chandigarh

**SMART CARD RC/ DL
TO BE PASTED HERE**

(This being a Computer generated letter, no signatures are required)

ON INDIA GOVT. SERVICE SPEED POST

BNPL- Customer Code No. SP / CH-131
SP Barcode No.
Date :
Weight :
NSH CHANDIGARH 160017



From:
Registering & Licensing Authority,
Near Municipal Corporation Office,
Sector 17, Chandigarh - 160017



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Uttarakhand CM Launches Sarathi 4.0

From our Uttarakhand Correspondent **Dr SP Kulshrestha**

Dehradun, December 2015: The Hon'ble Chief Minister, Uttarakhand, Shri Harish Rawat inaugurated *Sarathi* 4.0 on December 07, 2015 at RTO Dehradun. The new process ensures that one does not need to wait for hours in long queues at the RTO for issuance of learners' licenses. Applicants can now apply for Learners' License online on the site of the Uttarakhand Transport Department. The applicant has to upload the necessary documents and fees on the site of the Department, and can also book the appointment for the test, online. Moreover, applicants get SMS alerts keeping them informed about the status of their applications.

Officers of the Uttarakhand

Transport Department and NIC, specially NIC Hyderabad and Bangalore, took a lot of pain to make this programme a success. This success was the outcome of the efforts taken by the then Transport Commissioner Shri S Ramaswamy, & present Transport commissioner Shri CS Napalchayal. Shri Sunita Singh, DTC, Shri AK Singh, the then RTO Dehradun, Shri S K Singh, Shri Sudhanshu Garg, Shri DC Pathoi a Shri Rajeev Kumar Mehra extended invaluable support. Mention must also be made of the hard work and round-the-clock dedicated support of Shri Naresh Singhal and Shri Sandeep Saini.



Photo ops from the Sarathi 4.0 inauguration

Chandigarh UT – Launch of Sarathi 4.0

From our Chandigarh Correspondent Shri Vivek Verma

Chandigarh, September 21, 2015:

Registering & Licencing Authority, Chandigarh Administration reached another milestone today with the launch of *Sarathi 4.0* - Licensing application, to bring convenience to the citizens of Chandigarh. *Sarathi 2.0* was running successfully in Chandigarh since July 2007. The newer version of the software, with many new citizen-centric features, would bring a lot of convenience to the ordinary citizens. The initiative, at the very first instance, has been very well accepted by the Registering & Licencing Authority, Chandigarh UT and due support has been provided by them in making it a success. It has many new features so as to simplify the processes and make them faster. Presently,



Screenshot Sarathi 4.0

Learners Licence operations have been started and gradually all operations pertaining to the licensing branch will be shifted. It is expected to be fully implemented at the earliest.

The first day of its operations saw lot of willingness and enthusiasm on part of the staff of the RLA office, Chandigarh. Overcoming all the teething troubles associated with such kinds of newly launched project, the first day passed off

successfully.

The directions given in this regard from NIC Headquarters by Shri Sanjay Gahlout, DDG and Group Incharge (Transport) and Shri Joydeep Shome, STD and Head of the Division were instrumental in its timely launch, and making Chandigarh the first State/UT to have implemented *Sarathi 4.0*. The support rendered by the *Sarathi* Team at NIC Hyderabad and Bengaluru ably led by Mr B V Reddy, Technical Director, left no stones unturned to make the product run smoothly and without any problems.

The team was always available in full-strength to ad-

dress issues and resolve them on priority. At the Project site in Chandigarh, many days of tireless efforts put in by the Project Incharge Mr Noor Singh Saini, Systems Analyst and Mr Mohit, Programmer under the guidance of Mr Ajay Rampal, SIO bore fruit when the first *Sarathi 4.0* generated licence was issued to Mr Ayush Bajaj.



Sarathi 4.0 generated first Learner Licence being issued

Two new Transport Offices with *Vahan* and *Sarathi*

From Our Puducherry Correspondent **Shri P Sridharan**

Puducherry, July 08, 2015: A new Unit office at Thirubuvanai (PY05V), a small hamlet of Puducherry in Villianur Taluk was inaugurated by the Hon'ble Chief Minister of Puducherry on July 08, 2015. *Sarathi* was implement-

ed initially, and new Learner licenses were being issued through this new office, in the first phase. *Vahan* was implemented subsequently at this new Unit office.

A new RTO at Oulgaret (PY05) was inaugurated on August 28, 2015 by the Hon'ble Chief Minister of Puducherry. *Sarathi* was implemented in the first phase from August 27, 2015 and *Vahan* was also subsequently introduced at this new office.

The necessary technical support to establish

these two new offices and to make them fully operational was provided by the NIC, Puducherry team. Also, provision has been made to enable the public to pay road tax, get special permits and get fitness certificate for all the transport vehicles within the territory of these new offices but registered in Puducherry RTO, through *Vahan*, by means of PSWAN connectivity to the Puducherry RTO Server from these two new offices. This arrangement by the Transport Department, with the active support of NIC Puducherry, has paved the way for vehicle owners of these



Hon'ble CM of Puducherry inaugurating the new RTO office at Saram, Oulgaret Taluk, Puducherry

areas to avail the services of *Vahan* for their vehicles registered at RTO, Puducherry from their home area itself without going to the parent RTO, thereby saving precious time and money.



Hon'ble CM of Puducherry inaugurating the new Unit office at Thirubuvanai, Villianur Taluk of Puducherry

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News clipping from the *NewZNew*, Bathinda

Bathinda's Naruana village to get first automated driving test-training centre



NewZNew (Bathinda) : Taking strides in governance reforms, the state government is opening ultra-modern automated driving track at village Naruana wherein after passing the learning and driving licence test, people would be issued licences online. Being opened under Automated Driving Test, Online Licence and Training Center, the set-up would prove to be a boon for the people of area as they would be given time on-the-spot driving licence facility after they pass the driving test. The Deputy Chief Minister Punjab Mr Sukhbir Singh Badal would lay foundation stone of this facility on April 15. He said 32 modern driving test centres were being setup in the state as per international standards to bring transparency in transport department.



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Odisha - Introduction of e-Challan for online enforcement activities

From our Odisha Correspondent **Shri Bimal Kanta Panda**

Odisha has successfully introduced the enforcement module of *Vahan* using the online application **e-Challan**. Issue of challans has now been made easy with the online e-Challan application. The manual issuance of challans has been replaced with e-Challans from June 2014. Vehicle data is fetched from the State Register/National Register instantly which helps the enforcement officer to access the status of vehicle tax validity, permit validity, insurance validity and fitness validity on the spot. It helps the enforcement officer to decide offence sections on the basis of the data fetched. The introduction of e-Challan has effectively put an end to the practice of producing fake documents of tax particulars, insurance certificates, permits or fitness validity by vehicle drivers/owners.

The enforcement officer is provided with a Tough Book Computer which looks like a laptop. The following features of the Tough Book Computer makes it easy to operate the application in rough weather condition also:

- Sunlight viewable display
- Rugged body
- Inbuilt 3G SIM slot
- All weather working features
- Smart card reader etc

The online application needs only the registration number



Enforcement Officer using e-Challan

of the vehicle as input. The rest of the available data is picked from the SR/NR to fill the form automatically. If it is an Odisha state vehicle, then the region where it is currently available is also dis-

played automatically. The other fields such as the driver's information and conductor details need to be filled up by Transport Inspector (TI).

The applicable offence needs to be selected. If the section selected is a second offence, then the amount for second or subsequent offence is also selected as per the list of the vehicle available in the Odisha SCR database. If the offender pays the compounding fee (CF) on the spot or pays the advance compounding

fee (ACF), then it is also recorded through the application. The inspector saves and prints the Challan copy and receipt, if CF/

Sl No	Select	Cr/Off	Description	Penalty	Penalty	Penalty
1	<input type="checkbox"/>	101	General Offence	100	100	Compounding Fee: 1100
2	<input type="checkbox"/>	102	Penalty for driving without rider	500	1000	Total Fee: 1100
3	<input type="checkbox"/>	103	Exceedance of engine displacement	500	1000	Settled Fee: 0
4	<input type="checkbox"/>	104	Failure to display information correctly	500	1000	Adv. Compounding Fee: 0
5	<input type="checkbox"/>	105	Allowing unauthorised person to drive the vehicle	1000	1000	
6	<input type="checkbox"/>	106	Driving vehicle without valid D.L.	500	1000	

A list of offence sections with its penalty amount is displayed in a list box

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ACF is collected, using a printer connected to the device. In case no CF/ACF is collected on the spot then the challan is handed over to the driver/offender and an SMS is sent to the owner's RMN (registered mobile number). The driver/owner can then meet the inspector any time within 24 hours to settle and dispose off the challan by paying the CF amount.

The challan data is replicated to the respective Regional Transport

Office to block further transactions of the vehicle if the vehicle check report is not disposed off. In case it was disposed off on the spot, then the data is replicated to the challan history table for record. The challaning officer is provided with a user id and a password to login in to the system. The feature of being able to operate the Tough Book Computer in odd weather conditions and sunlight makes it easy to operate on the road.

Equipped for the Field

The enforcement officers are provided with a Tough Book computer, a printer, a power device to use power from the enforcement vehicle power plug. The Tough Book has an inbuilt 3G SIM slot for internet connection. A new feature has also been added to endorse any driving offence in driver's Driving License (DL) card using the Smart Card reader available with the system.

Odisha had tried out on field implementation of the Enforcement module of *Vahan* with various alternatives such as use of Hand Held Terminal (HHT) and mobile device. These were not successful as very limited information could be fed using the small screen devices.



What is Happening Where

Puducherry, The newly commissioned RTO namely PY05 (Oulgaret) was identified by the Transport department as the pilot location for starting *Sarathi 4.0* and *Vahan 4.0*. All ground work are in progress in full swing by NIC, Puducherry team to realize this goal.

Manipur, The Transport Department has decided to make Smart Card based Registration Certificate mandatory for commercial vehicles also. A separate paper document reflecting frequently changing data such as tax and fitness status, etc. will also be issued. Currently, Smart Card RC is issued only for private vehicles.





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Dr Yogesh Kumar Singh
Senior Technical Director,
NIC Uttar Pradesh

Dr Yogesh Kumar Singh, Senior Technical Director, has been the Project Coordinator of the Mission Mode National Transport Project for Uttar Pradesh. He has been associated with the Project since 2000.

He has been the torch bearer in implementing the Project from the scratch by implementing Unix-based *Vahan* software in RTO Lucknow as a pilot project, completing the rollout of *Vahan* across the State, creating the National Register (NR) at the National Data Centre (NDC), and then taking the Project to the next level by implementing various online services to facilitate the Department. The implementation of Smart Card-based Driving License (SCDL) in the difficult environment of RTOs/ARTOs with limited resources, was a real challenge. He has been instrumental in implementing SCDL in all the 76 locations of UP in a record time of four months.

Various online services have been started successfully under his guidance. These include online tax collection for checkposts, online tax collection of UP State vehicles, online dealer point registration system, online booking of fancy (VIP) numbers, online LL/DL application system. Due to the introduction of online citizen-centric services a new era of transparent, efficient and robust G2C service delivery has been ushered in by the UP Transport Department.

At present he and his team members are working for implementation of *Vahan* 4.0 and *Sarathi* 4.0.

Dr Singh was born in Pilibhit district of UP. He completed his post graduation from IIT, Roorkee erstwhile University of Roorkee, Roorkee in Physics with specialization in Electronics and Digital Networks & Computer Systems. He completed his PhD from the National Physical laboratory, Delhi in 1990. He joined NIC in September, 1988 as District Informatics Officer, Bijnor UP. He was transferred to the NIC UP State Unit in 1994. Since then he has been working at the NIC State Unit and leading many e-governance projects including for the Rural Development Department, UP Jal Nigam and Planning Department.

Dr Singh's wife Mrs Suman belongs to Bijnor and has done her PG in Social Sciences. She takes care of their home. They have a son Ankit Singh who is doing PG in Film & Video Design from the MIT Institute of Design, Pune; and a daughter Apoorva who is in her B.Tech. (Computer Science) first year at the Jaypee Institute of Information Technology (JIIT), Noida.

Dr Singh is very fond of sports. He plays Cricket and badminton. He listens to music, especially ghazals of Jagjit Singh and old songs of Lata Mangeshkar.



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:: [Transport Project Officers](#) ::

Now also as Correspondents for *Parivahan NextMile*

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:: [Project Coordinators](#) ::

List of Transport Project Officers at NIC HQ

Role	Name of Officer	Designation	IP Phone	Mobile No.	STD Phone No.	e-mail ID
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Sarathi Coordinator	Shri BV Reddy, Hyderabad	TD	6152	9490749834	040-23261247	bvreddy@nic.in
Data Integration Coordinator	Shri Nagaraj Kulkarni, Delhi	STD	5202	9868227386	011-24305202	kulkarni@nic.in
Vahan Team Member	Shri Piyush Gupta, Delhi	TD	5121	9971877440	011-24305121	piyush@nic.in
Vahan Team Member	Shri Deepak Mehra, Delhi	TD	5682	9810626233	011-24305682	deepakm@nic.in
Vahan Team Member	Shri Sanjay Mendiratta, Delhi	PSA	5686	9958388995	011-24305686	sanjaymen@nic.in
Vahan Team Member	Shri Ravindra Gautam, Delhi	SA	5687	9868260189	011-24305687	rgautam@nic.in
Vahan Team Member	Smt Nisha Gupta, Delhi	Technical Asstt-B	5901	9958277191	011-24305901	nisha.g@nic.in
Vahan Team Member	Smt Manisha Agarwal, Delhi	Scientific Officer	5906	9810377441	011-24305906	manisha.aggarwal@nic.in
Sarathi Team Member	Shri Manoj Kumar Srivastava, Delhi	SA	5684	9968071989	011-24305684	mks@nic.in





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Vahan Team Member	Shri Ravindra Gautam, Delhi	SA	5687	9868260189	011-24305687	rgautam@nic.in
Vahan Team Member	Smt Nisha Gupta, Delhi	Technical Asstt-B	5901	9958277191	011-24305901	nisha.g@nic.in
Vahan Team Member	Smt Manisha Agarwal, Delhi	Scientific Officer	5906	9810377441	011-24305906	manisha.aggarwal@nic.in
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