FORCE DEPLOYMENT SOFTWARE

Details of Head of the nominated project

Name of the Project Head of the project:

Arvind Kumar Chaudhary, IAS

Designation :

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Details of team for the nominated project Key Team Members with their Role Designation [Please mention key officers/ staffs (not more than 7 including project head) whose contributions were most significant for the success of the Initiative]

SlNO	Name(s)	Designation:
1.	Rajesh Kumar Singh	STD & ASIO(State HQ)
2.	Shailesh Kumar Shrivastava	Technical Director & Project Co-ordinator
3.	Sanjay Kumar	Deputy Secretary
4.	Mrs. Priyanka Sinha	Assistant Election Officer
5.	Niraj Kr. Tiwary	Systems Analyst
6.	Prakash Kumar	Systems Analyst

PROFORMA OF MAIN APPLICATION FORM (for applying through e-mail) for NATIONAL AWARDS FOR e-GOVERNANCE

1. **Name of the Organization:**

   Office of Chief Electorate Officer, Bihar and National informatics Centre, Bihar

2. **Name of the Department:**

   Office of Chief Electorate Officer, Bihar and National informatics Centre, Bihar

3. **Name of State/UT/Central Government/Others:**

   Bihar Government

4. **Name of the Project :**

FORCE DEPLOYMENT SOFTWARE

5. **Nature of the project :**

   Workflow based Online System for Management of movement of Forces across state and deployment for free and fair elections

6. **Category of Award Applying for**

   'INNOVATIVE USE OF TECHNOLOGY IN e-GOVERNANCE'

7. **Objective of the Project : (Please provide the brief summary of the project being nominated for the National Award for eGovernance along with salient features (in 500 words approx)**

Force Deployment Software is a joint initiative of **Office of Chief Electoral Officer, Election Department, Government of Bihar and National Informatics Centre, Bihar.** This is a **Work flow based application system** which leverages spatial and textual data to generate various MIS to serve and facilitate various levels of decision support to force deployment related election machinery across 38 (Thirty Eight) districts of Bihar consisting of 534 (Five Hundred and Thirty Four) Blocks, 243 Assembly Segments and 40 parliamentary segments of state of Bihar to facilitate District Administration and Police administration, Election Commission of India, Office of Chief Electorate Officer and Citizens of State. This aim of the software is to automate the process of movement of forces in different phases of elections, reporting of home-guards, deployment of state

forces to booths and PCCP, reporting from booth, SMS alerts at various stages of deployment. This is a work-flow based online software which integrates functions of various stake holders such as SP office, Commandant of Home Guards office, Election Office, vehicle cell, reporting cell, command distribution centre, enquiries etc. Formation of parties, locating members of parties and assembling party for despatch involves huge task as part of police administration during election. **First time in Country automated software to manage the entire processes related to movement and deployment of forces has been developed.** Randomization software helps to randomly depute forces to election booth and PCCP which brings transparency in the entire process. Help desk has been created across state to assist the forces in locating their parties and collecting command letter. *Software helps to collect force details from various field formations, send SMS alert for reporting, monitor total availability of forces against targets, arrivals, reported, command distribution, allotments, re-allotments in case of causality, communication plan, vulnerability mapping of booths etc.* This has drastically reduced the effort of managing forces in extremely limited time between various phases of elections. The software has been enhanced to include duty distribution of Home Guards on other days so that their payment schedules can easily be generated.

The salient features of e-enabled services for force deployment:

- Online workflow based system to assist Police Administration in deployment of forces for Polling Magistrate AND Election booth.
- Identifying each designated polling staff by an unique serial no i.e. **Personal Identification Number(PIN)** valid for entire state
- Online movement of Police personnel database for different phases of elections
- Monitoring of Force movement/arrival against allotment to the district.
- Deployment of **two-tier of random number generation techniques** for polling party formation and deployment (booth tagging) with zero bias
- **Standardized application** for Parliament &Assembly Elections with capability to support local elections to Nagarpalika, Panchayat (Local Bodies Election) etc.
- **Support Simultaneous Elections** to Parliament and Assembly
- **Multi-layer data security** at the level of Database, User& Observer
- **Facility for locking and unlocking the processed data** by the Observer
- Preparation of Force **Identity Card**, used during poll duty
- Generation of Command letters with photograph.
- Automated **deployment of police force** on election booth for free and fair

elections.

- **SMS alert**
- **Dashboard for different Stakeholders**
- **Help Desk and Online Search facility for duty of Police Personnel and Home guards**
- **GIS Mapping of Election Booth** and vulnerability mapping of election booth.

Election activities are time bound processes and resource management in terms of man, money and material is crucial for smooth conduct of elections. Force Deployment Software deploys unique innovative ideas to weed out any biasness during force party composition and booth allotment. System inbuilt functions along with complex guidelines of Commission make this approach unique thus keeping user informed and satisfied at each and every step of force party formation. Multi-layered randomization technique is core to this innovation. The software has been integrated to inform to the stake-holder though e-mail various activities during election related processes. Entire internal communication between field formations is through e-mail. SMS integration has been done for both PULL and PUSH service for enquiry as well as reporting purposes.

8. Date of Launch of Project: **(please see para 6.2 for eligibility of the project with reference to launch date)   :**

(i) For all categories except Incremental Innovation((dd/mm/yyyy): **20.12.2012**
(ii) For Incremental innovation(period during which substantial incremental innovation has been made in the project)- Year of National e-Governance Award

9. Beneficiary of the Project:

   I.   Government Departments
        1.   Office of Chief Electoral Officer, Bihar
        2.   DGP Office Bihar
        3.   DG, Home Guards Office
        4.   Superintendent of Police, Govt. of Bihar
        5.   Commandants of Home-Guards, Govt. of Bihar
   II.   District Administration/District elections Offices of Bihar
   III.   Election Observers/other election functionaries
   IV.   Inspectors, Hawaldars, Constables, Sepoy etc.
   V.   Citizens of Bihar