

E-Dashboard for Elections

Haryana's Indispensable Route For Monitoring And Enabling Transparency In Polling

e-Dashboard is a web based online application which was launched by Haryana during the 5th general election for Municipalities of ULBs. Developed and successfully implemented by NIC Haryana, this application enhances transparency in the entire election process and has evolved to be used as an integral and generic application that can be used for similar time-bound events providing vital data



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Monitoring and transparency of data are critically important for any election process. The State Election Commission (SEC) of Haryana in collaboration with National Informatics Centre (NIC) Haryana has introduced and successfully implemented an efficient web-based application called 'e-Dashboard' - <http://mcelections.nic.in> during the 5th Municipal General Election-2016 held in Haryana. This online application facilitates provision of election specific vital information and monitoring of electoral data. e-Dashboard has become an integral part of the election process replacing all the conventional monitoring and communications systems used.

OBJECTIVE

A number of communications and monitoring tools and technologies are required for the election processes in our democratic system for conducting election in a free, fair and transparent manner. In traditional systems, such process were held with limited and restricted resources such as phones, tele-communications system/ Fax/ E-Mails for fetching and disseminating information amongst the state level to the field level election functionaries. Using such traditional communications means, there involved time delay, access issues and difficulties in manual compilation procedures, which are prone to errors and gaps. To overcome such issues NIC-Hisar (Haryana State Centre) has developed and implemented an online & live e-Dash-



“ e-Dashboard, being an automated real time monitoring system, has enhanced a great level of transparency in the entire election process. Efficiency can be improved to a great extent with the use of such ICT enabled solutions for elections. I am hopeful that e-Dashboard shall turn out to be a generic application for other similar events having critical and fixed time lines, become a contender for many other such applications developed across the country.

I convey my appreciation for the innovative work done and dedication of the team of National Informatics Centre, Haryana ”

RAJEEV SHARMA, IAS (Retd.)
State Election Commissioner, Haryana

board for the 5th Municipal General Election 2016 recently at the State of Haryana. Election was held for various municipal councils and committees of the State. The application has been hosted at server of NIC-Haryana State Centre, Chandigarh.



complete credentials of candidates submitting nominations for Municipal Councils and Municipal Committee. The various parameters captured are: Name of the Municipal Council, Ward number, Name, Father's/ Husband's name, Address, Gender, Marital status, Blood group, Occupation, Mobile number, Date of birth, Caste, Educational qualification, Aadhaar number etc. Data is fed at the Municipal Council/ Municipal Committee and District level. Nomination dashboard displays the information of the all nominations filed.

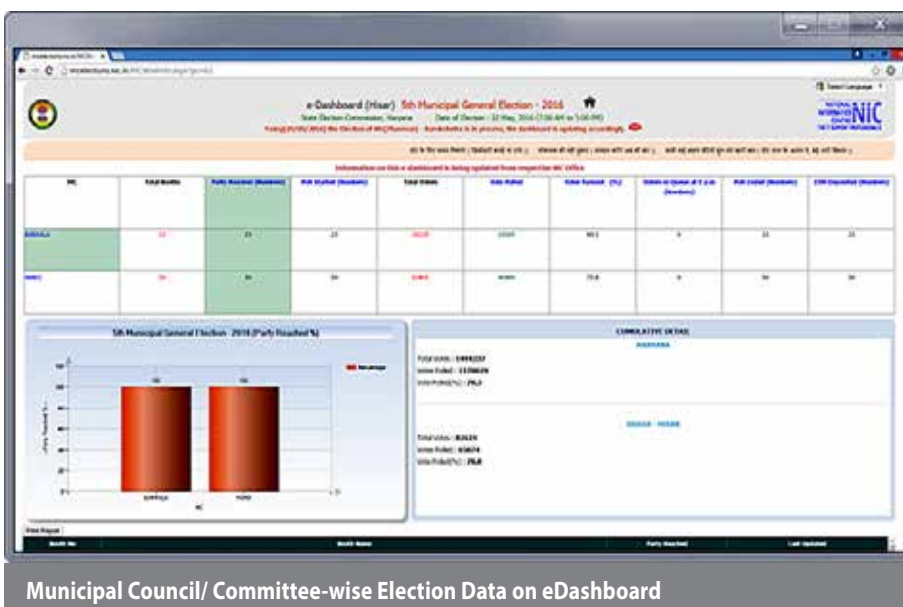
Nominations details are uploaded directly from the concern Municipal Council/ Committee and information is used by the respective Returning Officer, Deputy Commissioners in District and State Election Commissioner at HQ for dissemination of information to media and the public under the same URL. An URL link to the dashboard has also been provided at the SEC Haryana site.

National Informatics Centre, Haryana and the State Election Commission, in a joint collaboration has conceptualized that all the processes of election i.e., from nomination to declaring of the winning members of Municipal Councils be automated by deploying an efficient online web application with a frontend Dashboard. In the process, it was conceptualised that data of each of the candidates with all credentials be captured while filing of the nominations. Ushering the

database of nominated candidates the result declaration be done as by product from the repository of the data of contesting candidates. It was further decided that the online Dashboard for nominations be launched initially, followed by Poll monitoring Dashboard which should be embedded with the declared results from the contesting candidate's dashboard.

e-Dashboard for Nominations – The backend database has a provision of capturing nomination details with

e-Dashboard for Poll Process and Results - Another dashboard was launched for poll monitoring and declaring the winning members (Municipal Council wise) on the same day of completion of the poll. The e-Dashboard was populated directly under the supervision of the Returning Officers of respective Municipal Councils. The Master data of each booth such as name of booth, number of voters etc. was entered by the concerned Municipal Council/ Committee. All the pre-poll and poll day activities such as reaching of the Party at the designated booth, establishing of the booth, starting of poll, poll percentage i.e. voter turnout, voter in queue at 5:00 PM, end of polling, result of winners and EVM deposited after the end of polling. All these parameters were updated at the dashboard in real time, dynamically from the concerned Municipal Council/ Committee.



Municipal Council/ Committee-wise Election Data on eDashboard

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