

E-PROCUREMENT DECISION SUPPORT SYSTEM FOR DEPARTMENT OF MOTOR TRAFFIC

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Abstract

The procurement procedure being followed to purchase items and services for the Department of Motor Traffic (DMT) is becoming a long inefficient and cumbersome process which often causes to unnecessary delays and difficulties for both parties the buyer and the tenders or suppliers.

In order to overcome these problems and delays being generated by the existing manual procurement and evaluation processes, an automated evaluation of items and services is very essential.

This is exactly coincides with the requirement that revolves in the current IT environment and automation. Presently this environment is called IT governance or e-governance. Because of this change, process can be extended to cover all the governing functionalities of the aspect concerned.

The major concern of this project is to understand how the procurement process should be automated using the techniques of software engineering. It analyses the total procurement process within the scope of e-government and provides a solutions for DMT procurement processes and this can be renamed as an e-procurement system.

The prototype system presented here has the following facilities

- Registering the bidders online and create a profile for downloading or submitting tenders.
- Placing tenders on the web and suppliers wishing to submit bids can download the tender specification file and upload the responded documents using a secure encrypted connection.
- Providing detailed particulars and other informative details of bids to subscribed bidders via e-mail.
- Notifying the bidder whether the lender board accepted their tenders.