eProcurement System in Government

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Abstract: This study investigated Government tender management system, its demerits and how it can be improved. Indian Government nowadays started using eProcurement system for tender management but not all the tenders are managed with this system large number of tenders are still managed on papers in offline mode where all the data of tender is mentioned on papers and those papers are transferred from department to department for approval, this is time consuming , slow and ineffective way so there is need for appropriate online tender management system that reduces paper work and at the same time makes the process faster in secure manner. Government tender management system has a lot of loopholes such as lack of transparency, manual process, limited access, limited use of technology, lack of standardization lengthy process etc. This loopholes can be improved by reduction in paperwork, increased transparency, improved efficiency, cost saving etc.

If Government shifts its tender management system completely to online mode by using eProcurement methodologies, then it will not only easier the process but also have a positive impact on the procurement system, some of the advantages that we will have on using online tender management system are improved efficiency and cost saving, increased competition and innovation, Improved supplier relation, Improved data analysis and decision-making. The year wise study of tender management system shows the percentage of Government tenders that are now managed in online mode. So overall the Government should use eProcurement system for tender management so as to easier the process, reduce time consumption and has a positive impact to the economy.

Keywords*:* eProcurement system, Online and Offline tender management, Tenders and economy, Software for eProcurement system, Data analysis, Paper work

I. INTRODUCTION

In present scenario technology is increasingly used for simplifying the process of business operations. The Indian Government to recognize the need for modernization of its old procurement system. To take this issue and consideration there must be use of e procurement system four online tender management system. The tender management system should be user friendly efficient in managing the procurement process turn off document storage notification and real time updates. The system should be capable of handling large number of tender responses which will make it a perfect replacement for old tender management system. System should also be built with security app data protection system which will ensure that sensitive information is kept confidential and only accessible to authorized users.

There are several nephews of using key procurement systems not only the Government but also the supplier will be benefited from it as it will consist of simplified bidding process and increase the visibility of tender opportunities. This leads to increased competition and will improve efficiency in the procurement process which will result in coach saving for both supplier and the Government.

Overall shifting to the e-Procurement methodology is a step forward of the Indian Government in tender management system by embracing technology the Government which will improve transparency costs effectiveness and efficiency that will benefit all the stakeholders involved in the process of procurement.

II. GOVERNMENT'S CURRENT TENDER MANAGEMENT SYSTEM AND ITS DRAWBACKS:

Rent tinder management system of Indian Government has various issues that its effectiveness and efficiency. Tender management is the process of procuring goods and services from suppliers through a process cord bidding. This this process involves stakeholders such as Government officials, vendors and bidders. The current system of tender management has various drawbacks such as:
1. Lack of Transparency: the system which Government is using now lakes transparency which result in corruption and bias bidding. The lack of transparency makes it difficult for vendors and bidders to trust each other in the process making it challenging to detect fraud.
2. Manual Processes: The current tender management system is it based on highly manual process, which leads to errors, inefficiencies coma delays it also makes process difficult to track and manage tenders effectively.
3. Limited access: there is limited access of vendors and bidders, which makes it challenging to reach large pool of potential suppliers.

4.　　　Limited use of technology: the current system uses limited technology which affect effectiveness and efficiency. The lack of technology leads to challenges in communication, data management and collaboration.

5.　　　Lack of standardization: the current system also lacks standardization which makes it difficult to compare different tenders across departments. This results in inconsistency in the evaluation process.

6.　　　Lengthy process: the current process of tender management system is lengthy and time consuming which affects procurement speed. The delay results in miss the deadlines and opportunities, financial losses for both Government and bidders.

7.　　　Limited feedback: the current system has limited mechanism of feedback making it difficult for bidders and vendors to improve their chair performances. It also makes it difficult to access the effectiveness of the process.

The Highlighted demerits of the current procurement system needs effective e-procurement system that can address all the challenges mentioned above. The use of technology automated process and bidding portals increases efficiency and reduces errors and delays while improving transparency at the same time.

III.　　SOFTWARE FOR E-PROCUREMENT SYSTEM:

The E procurement system is a software based system that easier to process of current tender management. It makes it more efficient stop the software for e-procurement offers several advantages, such as:

a)　　　Reduction in paperwork: the traditional procurement process has a lot of paperwork done that is time consuming. Web E procurement system ,the need of papers is significantly reduced.

The biggest advantage of reducing paperwork is that it will save a lot of cost. The cost of retrieving documents, printing, storing will be reduced. This also results in decreased workload of procurement officers and other officials. The procurement system will store all data in digital form reducing the need of physical storage and paper based storage.

Another benefit of reducing paperwork is it will enhance the accuracy of information. Manual data entry is prone to errors unlike E procurement system that has built in check and balance that ensures accuracy of data. This in turn it results in better decision making as data analysis is reliable.

Reducing paperwork also benefits environment. E procurement significantly reduces the amount of paper being used in the process with contribute contributes in reducing paper waste and preserving natural resources. Overall crucial benefit to reduce vapor work in the procurement system. It saves cost and at the same time preserves environmental.

b)　　　Increased Transparency: one more advantage of e-procurement system is transparency. The current system process is often opaque end is difficult to follow, which results in corruption. E-procurement system provides a transparent platform where all the activities related to are tracked and monitored from the creation to the delivery of the good.

Let's keep proclaimed it is easy for vendors to access all the necessary information of a tender including its terms, condition, requirements and deadlines. Set a clear view status of their bids that whether they are accepted or not. This helps in preventing favouritism or unfair treatment towards particular vendors or contractors as all bids are evolved with same criteria.

Overall accountability is promoted did the increase in transparency that reduces the risk of corruption and ensure that Government will get best value for its money. Providing playing field to all to all vendors deep procurement system promotes fair competition. Which can lead to higher quality goods and services while maintaining low prices. Which results in better outcomes.

c)　　　Improved Efficiency: one more advantage of the procurement system is that it improves the efficiency. In a traditional procurement system Government agency spends significant amount of time and resources on manual daughter entry and paperwork. This can be a time-consuming process which leads to errors, delays and cost overruns.

E-procurement systems can significantly streamline the procurement process by automating many of these tasks. With an e-procurement system, Government agencies can create and post tenders online, receive and evaluate bids electronically, and manage the entire procurement process through a single, integrated platform. This eliminates the need for paper-based processes, reduces administrative overheads, and helps to ensure that procurement processes are completed in a timely and efficient manner.

d)　　　Cost Savings: One of the most significant advantages of E-procurement system is its potential forecast saving. Buy digitizing the procurement process, the Government can streamline it its operations reduce labour and eliminate errors which results in cost saving. For example, the manual process of generating paper-based tenders, deceiving bids is time consuming and costly process. A procurement system automate this process , reducing the time and coast required to complete them.

In Edition improvement system unable the Government to reduce coast related with printing, storage and mailing tender documents. With the use of cloud-based storage solutions such as Firebase, the Government can reduce its paper consumption, which can lead to substantial savings in the long term.

Moreover, e-procurement systems can also help the Government negotiate better deals with suppliers. By automating the procurement process, the Government can collect more data on supplier performance, track delivery schedules, and monitor pricing trends. This information can be used to improve negotiations and ensure that the Government is receiving the best value for its money.

IV. ADVANTAGES OF EPROCUREMENT SYSTEM TO GOVERNMENT AND ITS EFFECT ON ECONOMY:

a) Improved efficiency and cost savings: In terms of cost savings, e-procurement can help organizations reduce their procurement costs by eliminating unnecessary expenditures, reducing errors and fraud, and negotiating better deals with suppliers. E-procurement also allows organizations to take advantage of economies of scale by consolidating their purchasing power and reducing their overall procurement costs.

E-procurement streamlines the procurement process by automating routine and repetitive tasks such as requesting quotes, placing orders, and tracking deliveries. This automation reduces manual labor, paperwork, and processing times, resulting in faster and more accurate transactions.

Moreover, e-procurement systems enable organizations to make informed purchasing decisions by providing access to real-time data and analytics. This allows organizations to compare suppliers and prices, negotiate better deals, and manage their budgets effectively. E-procurement systems also provide greater transparency and accountability, as all procurement activities are logged and tracked in a centralized system.

E-procurement systems provide greater transparency in the procurement process, making it easier for stakeholders to track and monitor transactions. This can help reduce corruption and increase accountability in the procurement process, leading to greater public trust in Government procurement practices.

b) Increased competition and innovation: the implementation of an E-procurement system in Government tenders too lead to increased innovation and competition in the process. By allowing a wider range of suppliers to access information about opportunities, procurement can foster competition and help to ensure that contracts are awarded to the most qualified suppliers or bidders.

E procurement system also allow for greater transparency in the process which can encourage innovation by allowing suppliers to see the type of contracts. This transparency can help to level the playing field for smaller suppliers and promote the development of new product and service.
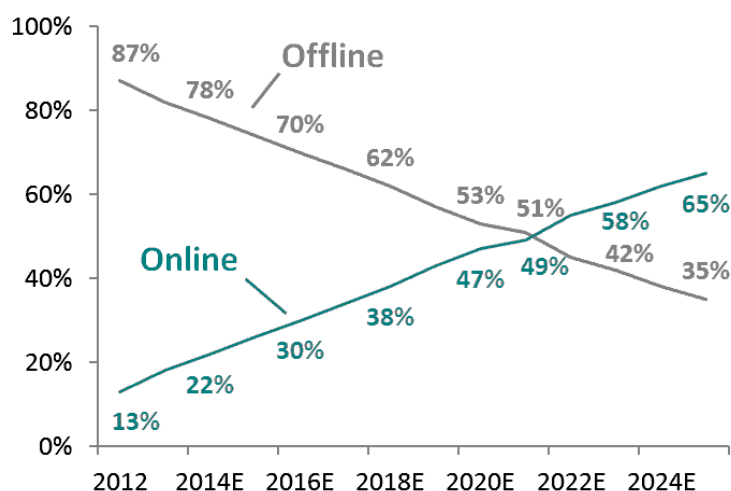
Moreover e-procurement system facilitates collaboration between suppliers and Government agencies which leads to the development of new and innovative solution to govt. by sharing information about procurement requirements and supplier capabilities Government agencies and suppliers can work together to identify best possible solution in order in order to reduce procurement cost.

c) Improved supplier relations: one of the major benefits of implementing E-procurement system Is that it significantly improves supplier relations. By streamlining the procurement process businesses can work more efficiently with their supplier and build stronger relationships with them.

d) Firstly e-procurement system provides businesses with better visibility into supply chain. This increased visibility enables businesses to identify key suppliers and build stronger relationships with them. By understanding switch suppliers are important to their business, Government can prioritize their relationships with those suppliers.
Secondly keep procurement system will help businesses to more efficiently manage their relationships with suppliers. For example businesses can use this system for taking off their performance matrix, such as one time delivery rate and quality rating. By monitoring this matrix, businesses can identify areas where plants are underperforming and work with them to address these issues. Additionally E procurement system can help businesses to manage supplier Contracts and agreements more efficiently.

e) Improved data analysis and decision-making: Son of the major advantage of keep procurement system is the ability to collect and analyze data related to the process. This data can include supplier performance pricing trends purchasing data among other things. By using by using this data Government organization can make informed decisions about process of tender management such as identifying the best suppliers negotiating effectively.

The procurement systems can also help improve decision making by providing real time information on orders of tenders. This allows procurement officers to make better decision based on current data greater than relying on outdated information or estimates. In addition, incorporate systems have reduced the risk of errors and frauds by providing greater visibility into the procurement process. By tracking every stage of the procurement process and providing an audit trial of all activities system can help prevent mistakes frauds and corruption. This can help build trust with suppliers and public while also reducing the risk of legal and financial repercussion at the same time.

Overall, the advantages of e-procurement systems to the Government are clear. By improving efficiency, increasing transparency, promoting competition and innovation, and improving supplier relations, e-procurement systems can help Governments save money, reduce corruption, and deliver better value for taxpayers' money. In turn, this can have significant positive impacts on the economy, creating new business opportunities, improving productivity, and driving economic growth.

V. CONCLUSION

In conclusion implementation of online tender management system for the Government will I have several positive benefits. it will simplify the process of tender management, increase transparency reduce cost, and promote clear competition among bidders. The proposed tender management system is built on angular frameworks and it uses fire storage to store the data and documents.

The tender management system which Government is currently using as several drawbacks including time consumption complex procedure and lack of transparency, potential corruption these issues can be addressed by implementing online tender management system or eProcurement system.

E-procurement system a number of advantages including the ability to streamline procurement process it reduces paperwork and manual processes and results in increased transparency and accountability its adoption will lead to remarkable cost saving and it will promote competition among bidders.

The implementation of e-procurement system will also have a positive impact on of the country it can increase efficiency of Government procurements and will also reduce corruption and promote fair competition. This with result in cost saving for the Government which can then be utilized in other areas for development and welfare of the society.

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