



PKI in e-Procurement: A Case Study

Centre for Development of Advanced Computing (C-DAC) Bangalore

Under the Aegis of

Controller of Certifying Authorities (CCA) Government of India

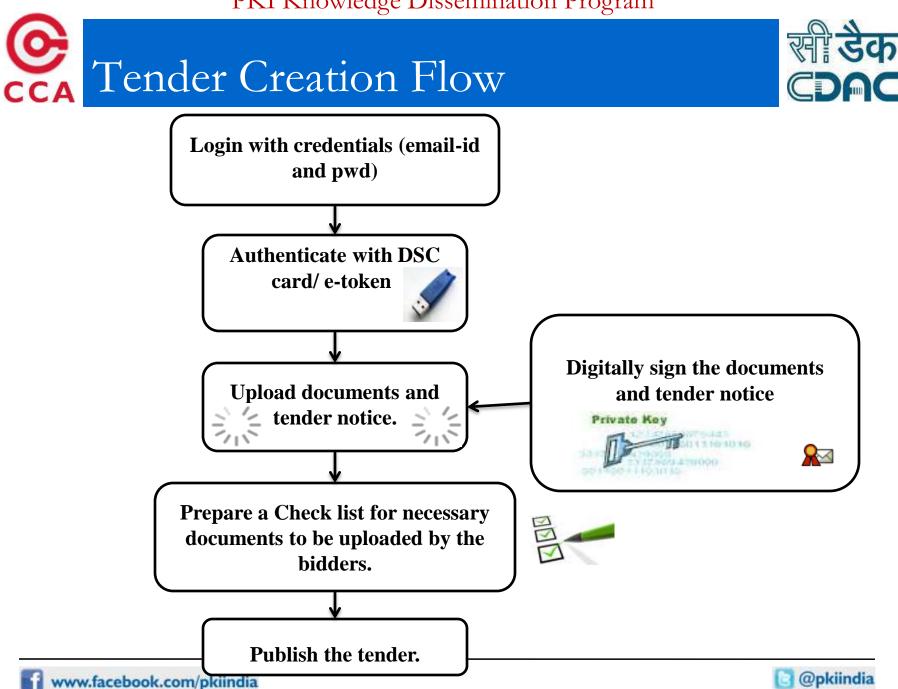




- Tender Creation
- Bid Submission
- Bid Opening
- Technical Evaluation
- Financial Evaluation
- Award of Contract

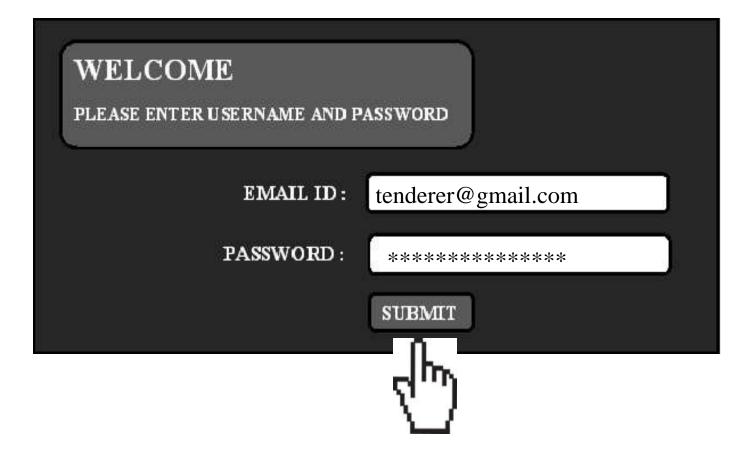


















WELCOME TO E-PROCUMENT

Authenticate with DSC e-token

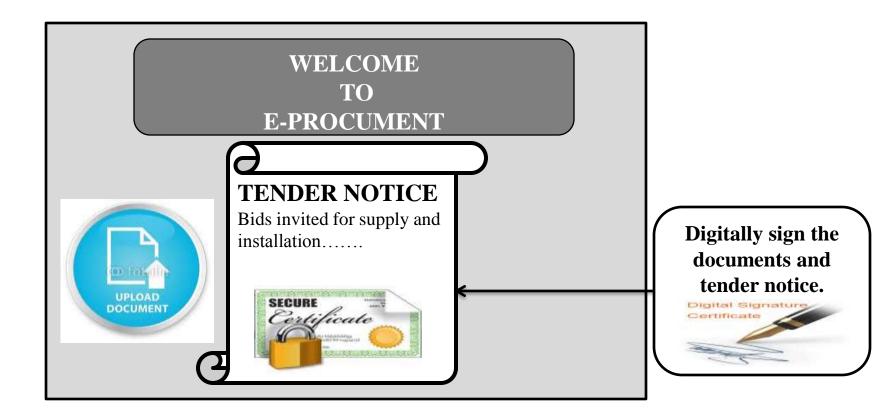








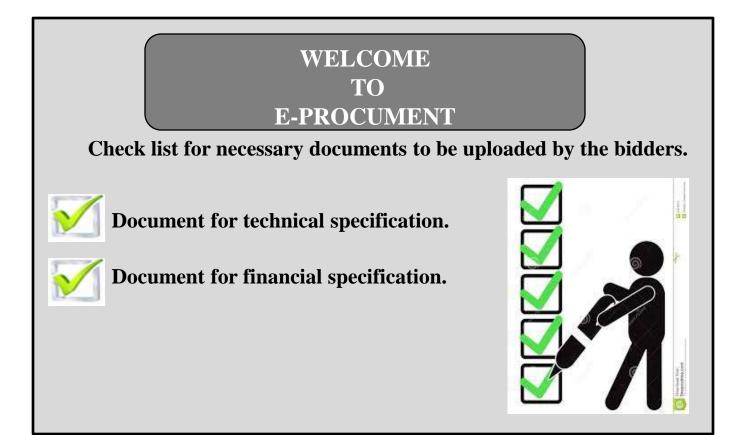
















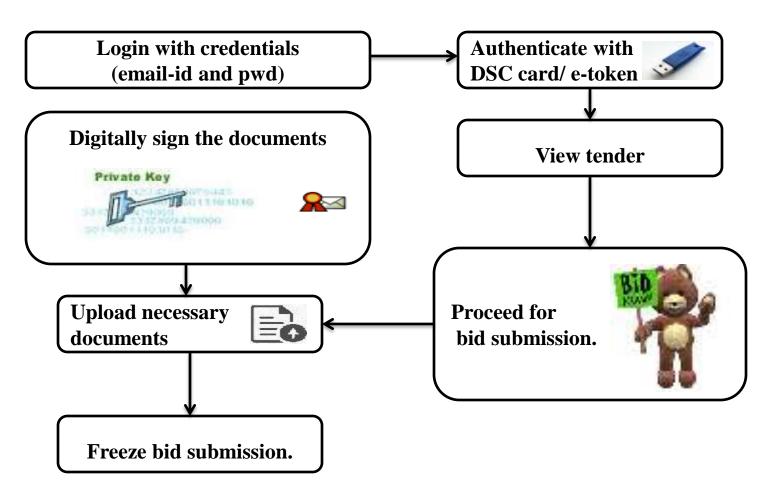












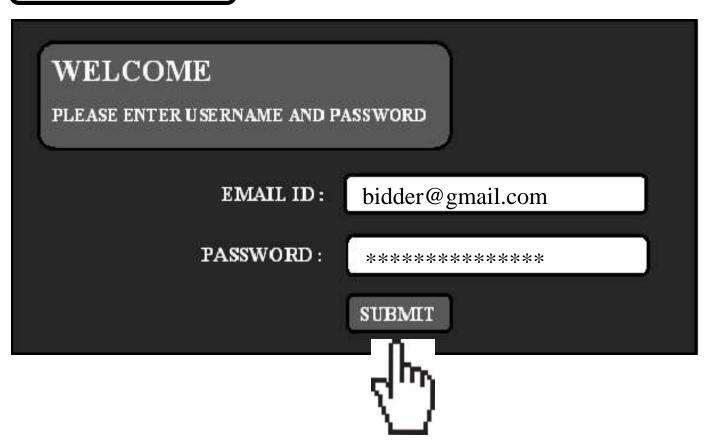
NOTE: The documents that are uploaded by the bidder are encrypted with tenderer's public key, so that tenderer can only decrypt.



Bid Submission Flow



BIDDER LOGIN





Bid Submission Flow



WELCOME TO E-PROCUMENT

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BIDDER VIEW TENDER

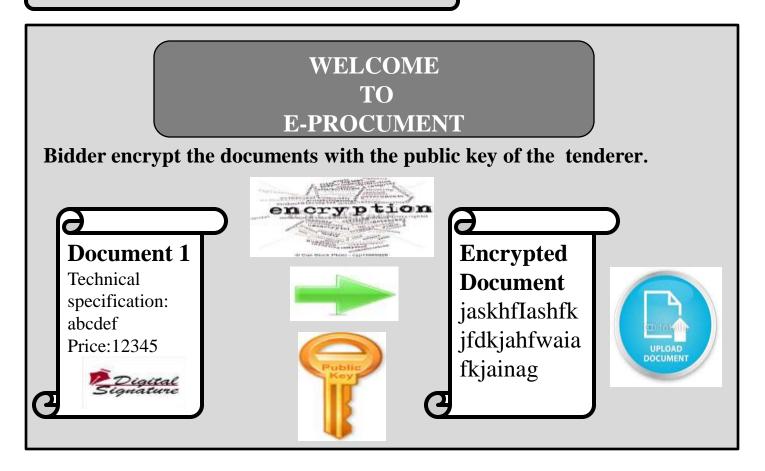




Bid Submission Flow



BIDDER ENCRYPT THE DOCUMENT



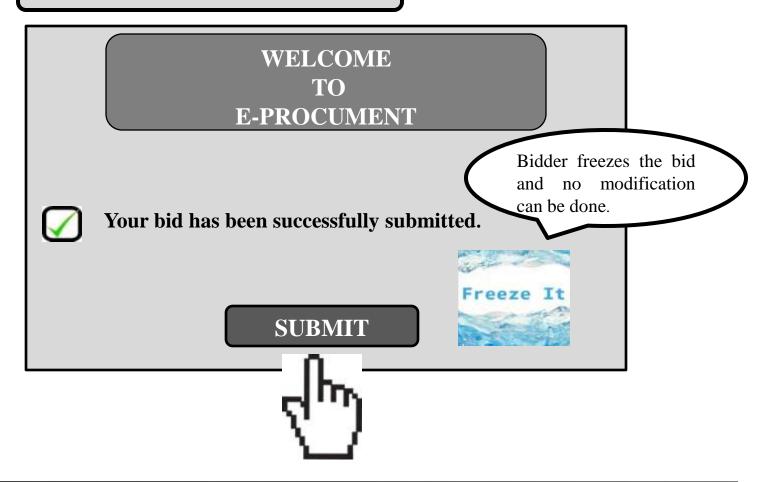




Bid Submission Flow



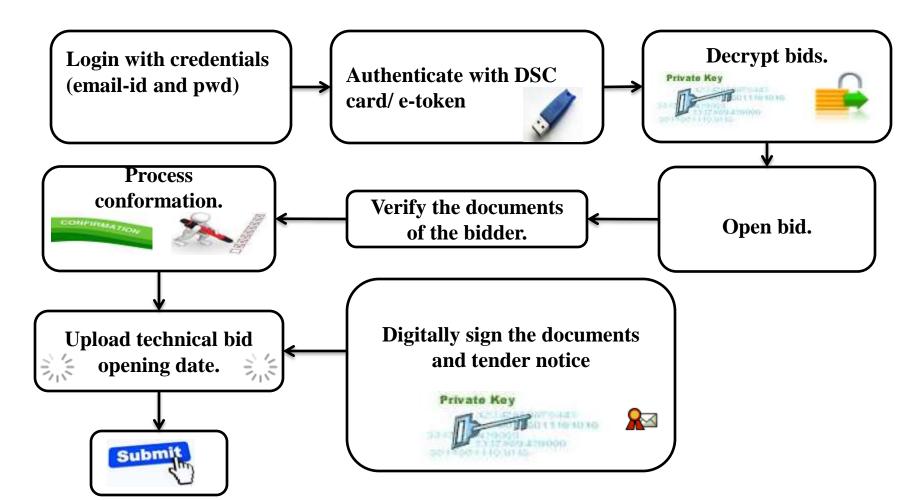
BIDDER SUBMIT TENDER





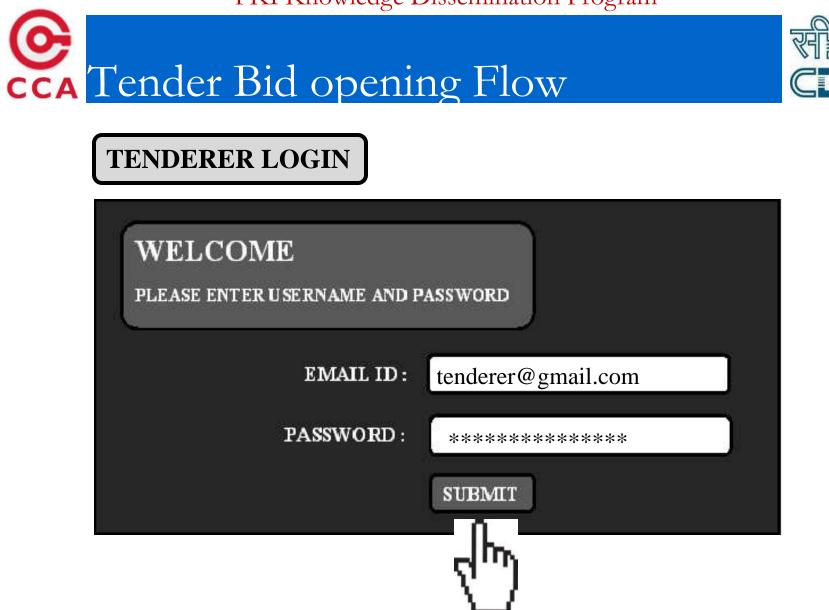






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CCA Tender Bid opening Flow



TENDERER AUTHENTICATION

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CCA Tender Bid opening Flow



TENDERER DECRYPTS AND OPENS BID

WELCOME TO E-PROCUMENT

Decrypt the bids that has been submitted by the private key of the tenderer.





Open the bids that has been submitted.

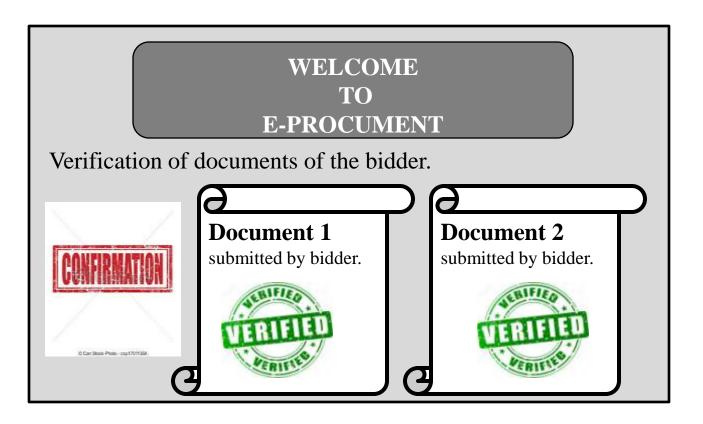




CCA Tender Bid opening Flow



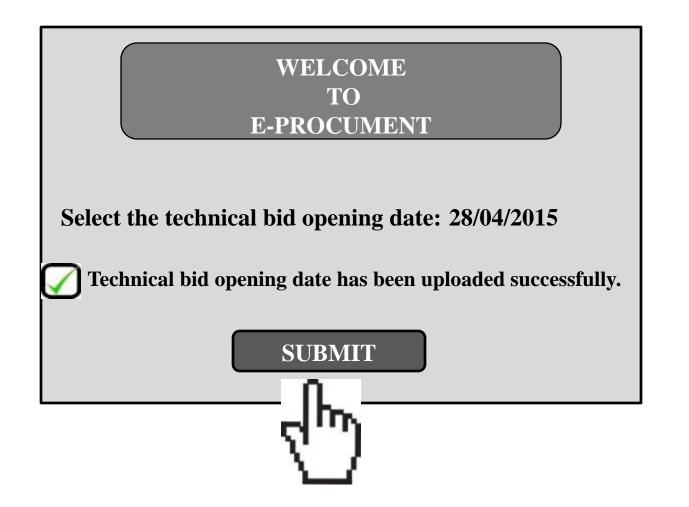
TENDERER VERIFIES DOCUMENTS







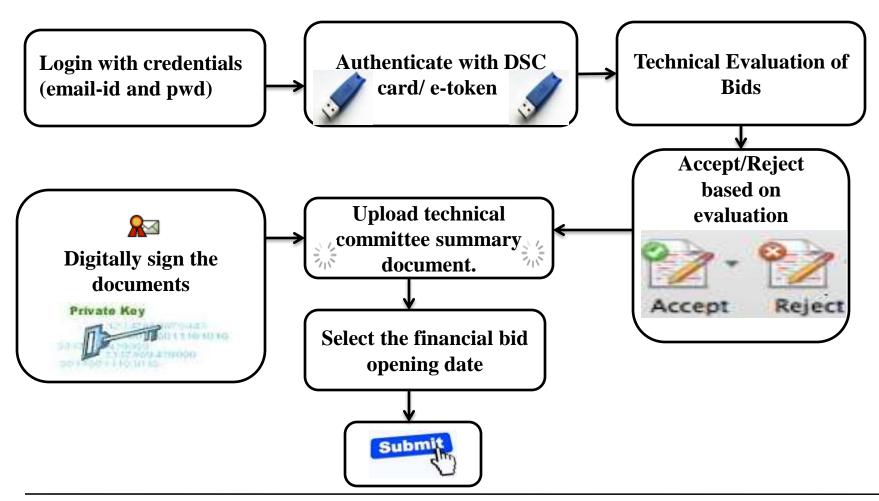










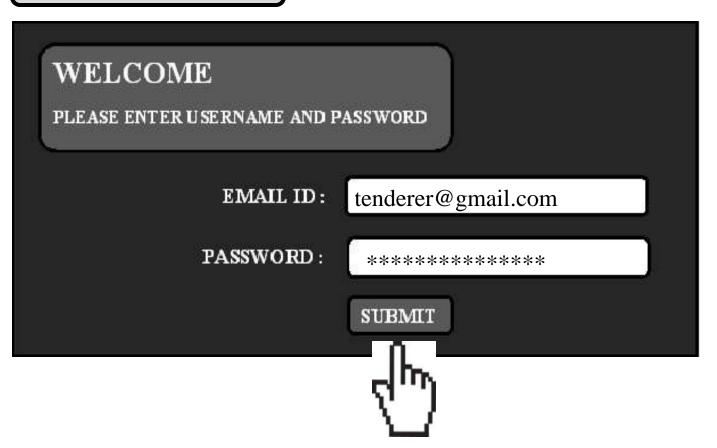




CCA Technical Evaluation flow



TENDERER LOGIN











TENDERER AUTHENTICATION

WELCOME TO E-PROCUMENT

Authenticate with DSC e-token









TENDERER EVALUATE BID









TENDERER ACCEPT OR REJECT BID

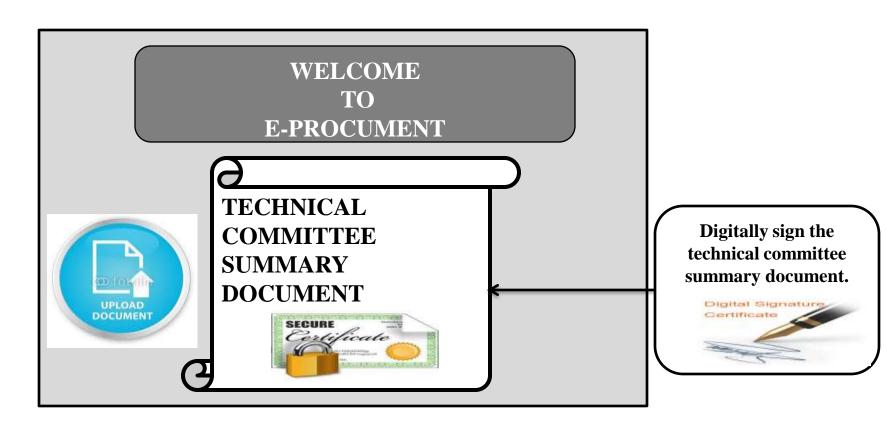








TENDERER UPLOADS SUMMARY





Technical Evaluation flow



QUALIFICATION OF BIDS



 ${\bf N}$ number of bids are received. Among the received bids ${\bf X}$ number of bids qualify for next round.



Quotation from bidder 1.



Quotation from bidder 2.



Quotation from bidder 3.



Quotation from bidder 4.

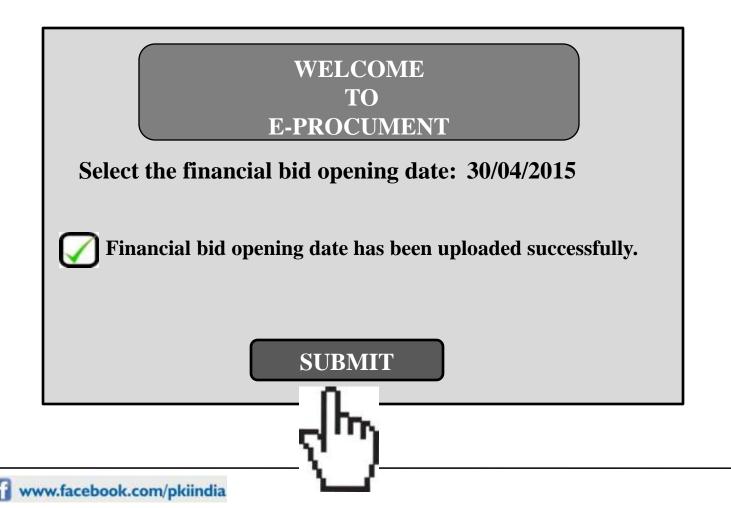
Quotation from bidder 5.







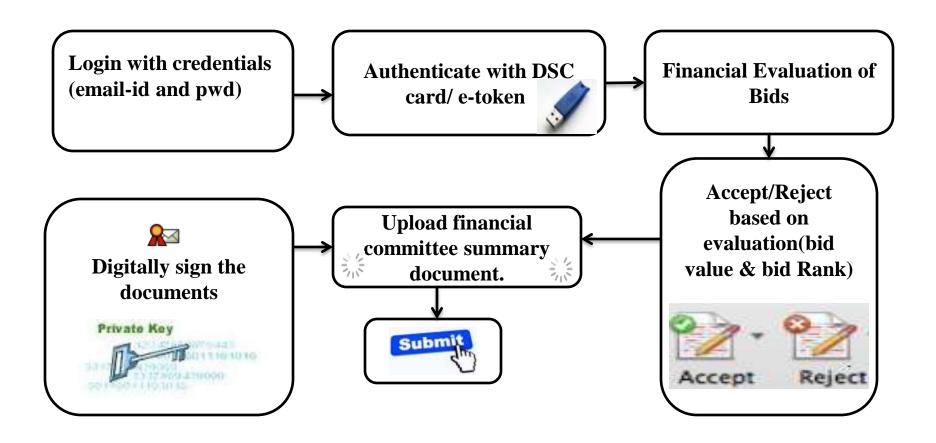
TENDERER SUMBITS SUMMARY









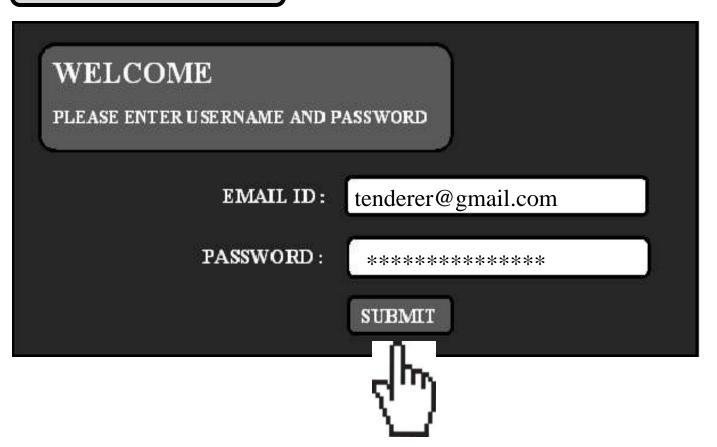




Financial Evaluation flow



TENDERER LOGIN







Financial Evaluation flow



TENDERER AUTHENTICATION

WELCOME TO E-PROCUMENT

Authenticate with DSC e-token





G Financial Evaluation flow



TENDERER EVALUATE BID









TENDERER ACCEPT OR REJECT BID

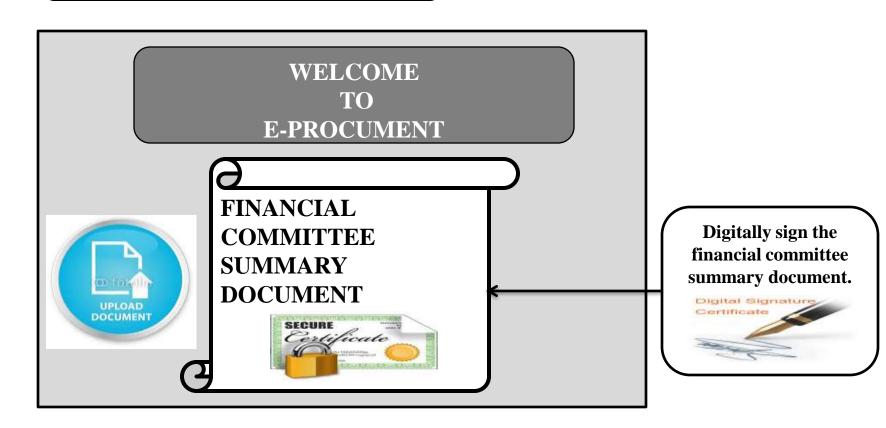








TENDERER UPLOADS SUMMARY





Financial Evaluation flow



TENDERER SORTS THE BIDS

WELCOME TO E-PROCUMENT

Tenderer sorts the bids based on the quote value.

- 1. Quotation from bidder2 of value Rs.20000.
- 2. Quotation from bidder1 of value Rs.22000.
- 3. Quotation from bidder3 of value Rs.23000.











TENDERER SUBMITS SUMMARY

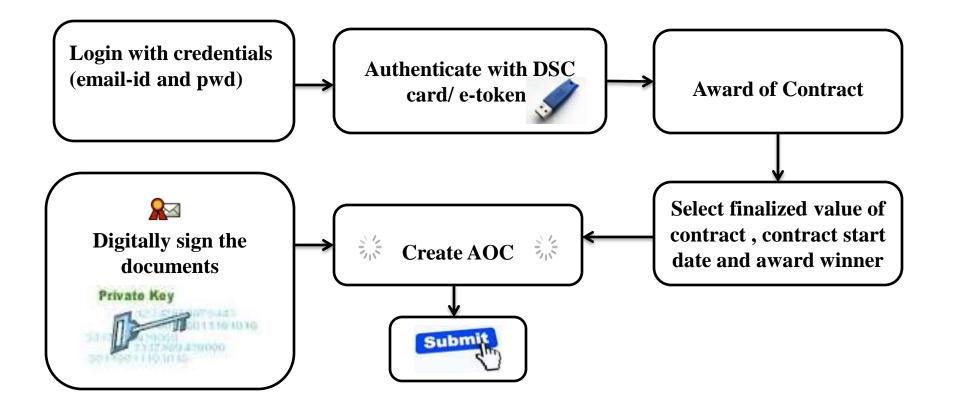


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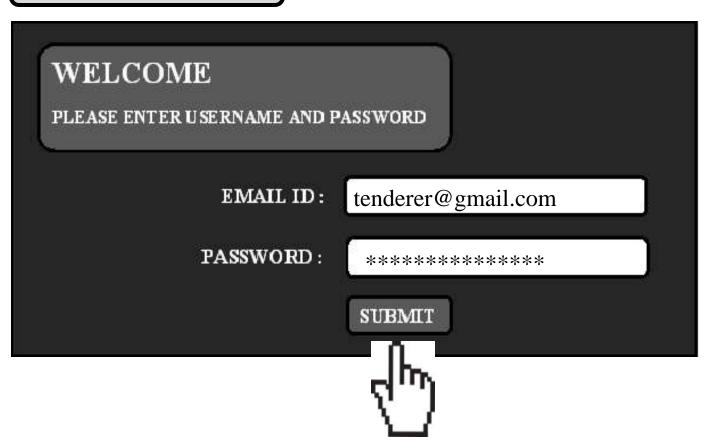








TENDERER LOGIN











TENDERER AUTHENTICATION

WELCOME TO E-PROCUMENT

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AWARD OF CONTRACT

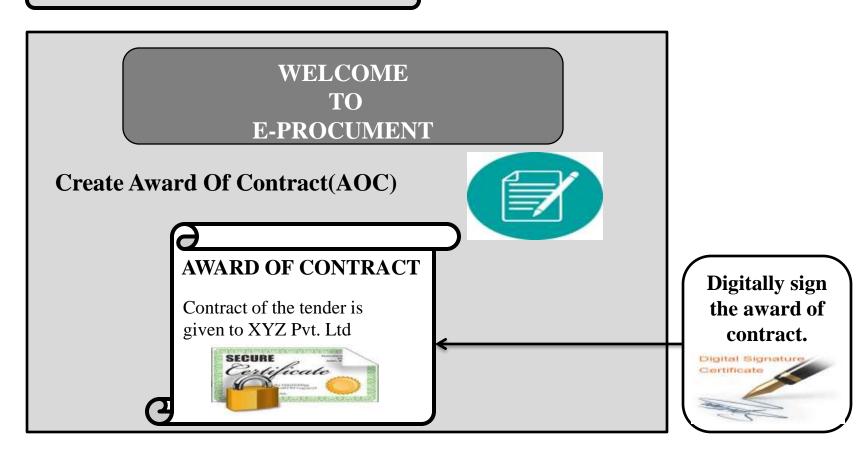








TENDERER CREATE AOC









TENDERER UPLOADS NOTICE









Thank You pki@cdac.in



