

**TAMIL NADU GENERATION AND DISTRIBUTION CORPORATION LIMITED  
ABSTRACT**

TANGEDCO – IT Wing – Procurement of digital sign, e-Sign, e-Hastakshar, e-authentication using e-Pramaan for Inventory Management System – Administrative Approval – Accorded.

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(Per)CMD TANGEDCO Proceedings. No.216 (Technical Branch) Dated: 14.09.2020  
Sarvari Varudam  
Aavani-29,  
Thiruvalluvar Aandu 2051

**Read** : CMD e-Note approval NOTE (ADMINAPPROVAL):I/33/2020 dated 09/09/2020.

**Proceedings** :

The Chairman cum Managing Director / TANGEDCO after careful consideration of the proposal of the Chief Engineer / IT, hereby approves the following to integrate with Inventory Management System for dispensing of paper communication and to implement the paperless communication:

- 1. Digital sign** using DSC dongle – for all the documents and communication within organisation at an approximate cost of Rs.94.4 lakhs per 3 years for approx. 8000 DSC dongles. Procurement of DSC dongles by the concerned Superintending Engineers similar to e-tendering vide B.P 10 dated 16<sup>th</sup> November 2009.
- 2. e-sign using e-Hastakshar** by developing the Application Service Provider software (ASP) to integrate the application with C-DAC e-Sign Service Provider (ESP) at a cost of Rs 2/- per transaction (approx 1 lakh transactions p.a.) and authorize Chief Engineer/IT to sign the necessary ASP forms, documents and payments to C-DAC as and when required. Total revenue expenditure of about Rs. 2,00,000/- per annum (Rs 6,00,000/- for 3years) and Procurement of two Digital Signature certificate at a cost of 33,040/- per organisation valid for 3 years for TANGEDCO and TANTRANSCO at a cost of Rs 66,080/- (for 3 years) renewable every 3 years.

**3. e-authentication using e-Pramaan** - A National e-Authentication Service provided by C-DAC, Ministry of Electronics & Information Technology(MeitY) may be utilized to authenticate the external agencies to access the organisational web portal i.e., vendor registration and online invoice submission etc., to achieve paperless secured and legitimate communication between external agencies/departments.

Chief Engineer IT may be authorized to sign the necessary Service Provider forms, MoU and the payments to C-DAC as and when required. A Registration / Renewal fees of Rs 10,000/- p.a. and Rs 0.65/transaction there on (appx 5 lakhs transactions p.a.). Total revenue expenditure of about Rs. 3,25,000/- per annum.(Rs 10,05,000/- 3 years).

- 4. e-mail based OTP** to authenticate the internal users as second factor of authentication to ensure more secured authentication for approval / issue / various critical activities in the application in order to implement secured paperless communication. No cost will be incurred in this method as the OTP is generated locally and sent to name based email ids.
- 5.** To dispense all the relevant paper documents, about 2.01 Cr documents per annum @ Rs 2/- per document a saving of Rs. 4.02 Crores per annum i.e. Rs 12.01 Crores/ 3years , on introduction of digital sign / e-sign facility. Nett saving after the DSC, e-Sign & e-Pramaan id after Expenditure shall be Rs 10.96 Crores for 3 years.
- 6.** DSC dongle based digital signature and e-mail based OTP may be utilized for all purposes till the completion of eSign and e-Pramaan integration work with C-DAC. Till procurement of DSC dongle scanned copy of physically signed document may be utilised, to ensure seamless implementation.
- 7.** To avail the e-sign using e-Hastakshar service and e – authentication using e-Pramaan at a total cost of Rs 16,05,000- / 3 years from C-DAC under Ministry of Electronics & Information Technology under single tender system.

8. To procure digital signature certificate (paperless) for e-sign service at the cost of Rs 66,080/- for 3 years through appropriate tender system.

**(BY ORDER OF THE CMD/TANGEDCO)**

Sd/-14.09.2020  
(K.KARUKKUVEL RAJAN)  
CHIEF ENGINEER/IT(i/c)

To  
The Superintending Engineer/Information Technology – 1 / TANGEDCO /Ch-02..  
Copy submitted to Director(Distribution)/TANGEDCO/Ch-02.  
Copy submitted to Director(Generation) /TANGEDCO/Ch-02.  
Copy submitted to Director(Finance) /TANGEDCO/Ch-02  
Copy to Secretary/TANGEDCO/BOSB/Chennai-02.  
Copy to Chief Internal Audit Officer/TANGEDCO/ Chennai -2.  
Copy to Chief Financial Controller/General/Chennai-2.  
Copy to Executive Assistant /CMD's Office, Chennai-02.  
Copy to Assistant Personnel Officer/Tamil Development/Chennai-2 (2  
Copies).  
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Copy to BP Section, O/o.CE/Personnel/Chennai-2.  
Copy to H Section, G Section, BOAB, Chennai – 2.

:: TRUE COPY:: FORWARDED:: BY ORDER::

  
EXECUTIVE ENGINEER/IMS(a/c)