



**DIRECTORATE OF SIKKIM STATE LOTTERIES
FINANCE, REVENUE & EXPENDITURE DEPARTMENT
GOVERNMENT OF SIKKIM
DEORALI, GANGTOK.**

NO:

Date:

EXPRESSION OF INTEREST

Sealed “**Expression of Interest**” is hereby invited from reputed suppliers/firms preferably empanelled with the Ministry of Communication & Information Technology, Government of India for supply, installation and maintenance of lottery draw machines. Preference will be given to those firms having experience of supply of software in the field of online lottery and gaming industry.

Terms & Conditions:

1. The interested suppliers/firms should submit their financial proposal along with the bonafide documents of experience on or before *17th May, 2017* to the office of the Directorate of Sikkim State Lotteries, Finance, Revenue & Expenditure Department, Government of Sikkim, Deorali, 737102, East Sikkim.
2. Documents to be submitted by the bidder:
 - i. The bidder must produce its company’s Memorandum and Articles of Association including the full detailed profile of the company
 - ii. The bidder shall submit the RNG Certification report,
 - iii. The bidder shall be in a position to provide a dedicated support staff to the office of the Directorate of Sikkim State Lotteries on regular basis.
3. The technical specification and software Specification are attached at **Annexure –A**.
4. The Directorate of Sikkim State Lotteries reserve the right to accept or reject any expression of interest without assigning any reason thereof.

Director
Sikkim State Lotteries.

TECHNICAL PART

1. Hardware Specification:

S. No.	Description	Specifications	Quantity
i.	Server	Minimum configuration: 2.1 ghZ, 5 no. 1.2 TB HD, Memory 2133 MHZ, dual processor	1
ii.	Switches	Minimum 8 port L-II Switch	2
iii.	UPS	Online UPS System to provide back up for minimum 4 hours	1
iv.	CPU – O/S Windows 10	All-in-One with Key Board and Mouse With original Windows O/s and latest MS Office.	2
v.	Printer	Black & White Printer	2
vi.	Random Number Selector Machine The Random number selector machine should have following specification: USB External Device Random number generator Random bit rate : 4 Mbits/s Operating System: Linux, FreeBSD, Windows, Mac OS		1


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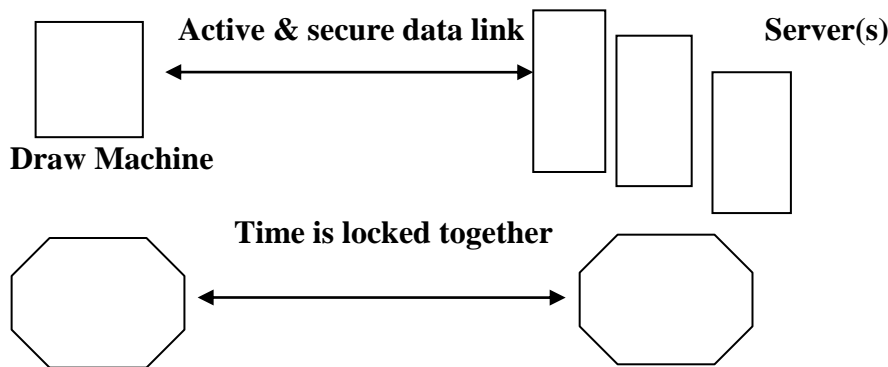
graph LR
    A[Microsecond clock of Server CPU] --> B[Seed Number]
    B --> C[Random Number Generation]
    C --> D[Linear Scaling]
    D --> E[RESULT]
  
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2. Software Specification:

The main specifications of the Software should be as follows:

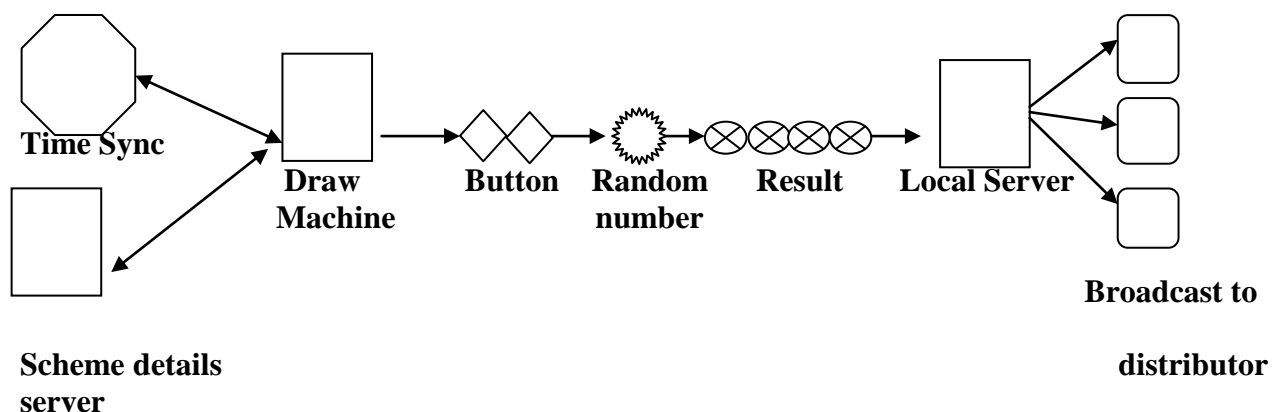
A) Time Synchronization:

The lottery draws are to be conducted at the pre-determined time; therefore, the draws are to be conducted exactly at the fixed time with total time synchronization. This must happen every time the draws are to be held. The draw time will not be pre-pond or post-pond in any case. The draws should take place as per the time fixed for the scheme. There should be no possibility of tampering with the real time clock without affecting the server time.



B) Draw Process:

The draws are to be held by pressing a button by the judge thus ensuring full control of the Government. There should be no role of server in performing the draw there should also be no internet, or any kind of connectivity in the draw machine to safeguard its misuse. The draw machine should be an independent computer with on link with any computer, server or internet.



C. Scheme Synchronization:

The lottery draws are to be conducted as per scheme framed by the State Government from time to time. The lottery scheme should be synchronized in such a way that the results are drawn exactly as per the scheme; there should be no variation in any case in any of the lottery draw.

D. Broadcasting of Results:

- i) After conducting of draw, all lottery results should be saved in the Government Computer system.
- ii) All lottery results are to be broadcasted from Government to the Distributor through physical transfer through any medium viz Pen drive/flash drive/CD etc. but not through linking of any computer system.