Crafting a State-of-the-Art Lottery Machine for Kerala

Objective:
The objective of this proposal is to solicit innovative ideas for modifying the current mechanical lottery draw machine used by Kerala Lotteries. The goal is to enhance the machine's capacity to accommodate more numbers, enabling an expanded prize list while ensuring portability and maintaining transparency in the drawing process.

Background:
Kerala Lotteries are a popular and revenue-generating activity in the state, providing citizens with entertainment and chances to win prizes. The existing lottery draw machine, though effective, has limitations in number capacity, which restricts the size and variety of prize offerings.

Proposed Modification:
Kerala Startup Mission is seeking proposals for enhancing the existing mechanical lottery draw machine to support a larger pool of numbers, thereby enabling a broader range of prize tiers and amounts. The modified machine should retain mechanical design, prioritize portability, and ensure transparency and fairness in the drawing process.

Key Requirements:

- Mechanical Design: The modified draw machine must retain a mechanical nature for transparency and fairness and for the entire interior of the machine to be made visible.
- Increased Number Capacity: Enable the machine to accommodate a larger number pool for expanded prize categories. At present there is a single window showing 6 digits along with 2 alphabets and 18 windows showing 4 digits each. The Department would like to increase the 4-digit windows from 18 to 50. The size of the Digits should be at least 3*2 inches.
- Portability: Design the machine to be portable and easily transportable for use in various locations.
- Reliability and Security: Ensure the integrity of the draw process with provisions for security and prevention of tampering.
- Ease of Operation: The modified machine should be user-friendly while accommodating technical requirements.

The selected proposal will collaborate with Kerala Lotteries in implementing the modified draw machine design. This initiative aims to enrich the lottery experience for participants, enhance portability for flexible usage, and maintain transparency in the draw process.

The existing lottery draw process is given here. : https://www.youtube.com/live/CK8vCSqiWCw?si=-U7KEM6fmFMCgRKZ

Through this program Kerala Startup Mission is seeking innovative ideas from individuals, innovators and startups to come up with innovative draw machines accommodating the key requirements mentioned above. The process of drawing the lottery proposed shall not be the same as the existing one, a new process can also be proposed.

Sample prize structure of Kerala Lottery is given as Annexure 1 for your reference.

ANNEXURE - I
KERALA STATE LOTTERIES
REVISED PRIZE STRUCTURE OF AKSHAYA WEEKLY LOTTERY
(AK 489th Lottery onwards)

(Vide Order No.SLTY/ 172(3)/2021-S1 Dated : - 02 .02.2021)

TOTAL : 1 Crore 8 LAKH TICKETS   MRP OF TICKET :Rs.40/-ONLY (Face value 31.25+28% GST)
TICKETS IN TWELVE SERIES   DRAW ON EVERY WEDNESDAY

Category of Prize	Details of Prize	Amt. of Prize	No. of Prizes	Total prize Amount(Rs)	Agents commission on Prize(Rs)
I	Common to all series	7.000.000	1	7.000.000	840.000
II	Common to all series	5,00,000	1	5,00,000	60,000
III	One prize in each series	1,00,000	12	12,00,000	1,44,000
IV	Last four digits to be drawn 18 times	5,000	Up to 19440	Up to 9,72,00,000	Up to 1,16,64,000
V	Last four digits to be drawn 7 times	2,000	Up to 7560	Up to 1,51,20,000	Up to 18,14,400
VI	Last four digits to be drawn 26 times	1,000	Up to 28080	Up to 2,80,80,000	Up to 33,69,600
VII	Last four digits to be drawn 72 times	500	Up to 77760	Up to 3,88,80,000	Up to 46,65,600
VIII	Last four digits to be drawn 123 times	100	Up to 132840	Up to 1,32,84,000	Up to 26,56,800
CONSOLATION PRIZE		8000	11	88,000	10,560
TOTAL			265705	201352000	25224960