I. Project name

Research project on donkey gender control technologies

II. Project objectives

The project is designed to put in place a technology system for donkey gender control that can be scaled up, thus laying a foundation for large-scale application in the future.

1. There is no limit to the technologies used to control donkey gender.

2. Able to produce female foals via gender control technologies as exemplified in the 100 donkeys of the technology validation group. The ratio of female offspring is more than 90% and the breeding cost per donkey is less than RMB 500 (same below). [The application shall specify how to keep the ratio of female foals born above 90%, and the cost of producing a viable female foal within RMB 500, which arises from R&D (gender-controlled frozen sperms and embryos) and breeding activities otherwise unneeded for the process of natural breeding, excluding the jenny and feeding costs. The technologies in question must be ready for large-scale deployment and keep the overall pregnancy rate no less than 80%. Otherwise, the application shall be deemed void and removed from further consideration.]

3. The project is expected to produce 70 female foals for the F1 generation with proposed parameters and well-established technical standards for donkey gender control.

4. To put in place all-inclusive parameters, standards and a well-established manual for donkey gender control, in an effort to promote more scientific, refined and standardized procedures for raising donkeys in China on a large scale.

5. Jacks and jennies, used for result validation, are provided by Dong-E E-Jiao Co., Ltd.

6. The project is completed within a 3-year period.