



## GOVERNMENT OF KERALA

### **Abstract**

Rebuild Kerala Initiative(RKI)- Projects of Animal Husbandry department- 'Geographic Information System (GIS) and Radio Frequency Identification Device (RFID) technology adoption- Implementation- Administrative Sanction accorded- Orders issued.

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### **PLANNING & ECONOMIC AFFAIRS (RKI) DEPARTMENT**

G.O.(Rt.) No. 521/2019/P&EA

Thiruvananthapuram, Dated 06/12/2019

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- Read: 1. G.O. (P) No. 16/2018/P&EA dated 09/11/2018.  
2. G.O. (P) No. 19/2019/P&EA dated 23/05/2019.  
3. Minutes of the 5<sup>th</sup> HLEC meeting held on 06/07/2019.  
4. G.O. (Ms.) No. 25/2019/P&EA dated 13/08/2019.  
5. Minutes of the 6<sup>th</sup> HLEC meeting held on 11/10/2019.  
6. G.O. (Ms.) No.28/2019/P&EA dated 15/11/2019.  
7. Minutes of the 7<sup>th</sup> HLEC meeting held on 21/11/2019.

### **ORDER**

Identification of individual animals has become essential for creating a pedigree database and also risk management of each animal. Through proper animal identification system resourceful data could be generated which can be later used for data mining, pedigree record generation and planning of future activities. Similarly the Animal Husbandry Department, Kerala is using GIS technology for providing service to farmers on a model basis across the State. At present 4.8 lakh farmers have been geo-mapped and the process is still going on. However around 25 lakh households yet remain unmapped. In this context, the Animal Husbandry department submitted a project proposal viz. 'Geographic Information System (GIS) and Radio Frequency Identification Device (RFID) technology adoption', for implementation under RKI.

2. The High Level Empowered Committee (HLEC), in its meeting held on 11/10/2019, approved the project proposal. Subsequently, as per the GO read as 6<sup>th</sup> paper above, the Government have accorded in-principle approval for the same to be taken up under RKI, by sourcing requisite funds from the DPL.

3. The Department submitted the Detailed Project Report in this regard. The project aims to introduce RFID (Radio frequency Identification Device) TAGS and GIS mapping for identification of animal population and farmer location across the State. The following are the objectives of the project:

- Identification of individual animal
- Identification and geo-mapping of farmers engaged in AH activities
- To generate a resourceful data base of animals and farmers
- To derive a feasible replacement for plastic tags
- Effective control of animal diseases
- Disaster control management
- To avoid duplication and fraud

4. The financial estimation of the project is as given under.

Sl. no.	Item	Number	Unit cost (₹)	Amount (₹ Crore)
1	RFID tags	15 lakh (minimum)	50	7.5
2	Reader	4000	17000	6.8
3	Hardware ( Servers, Tab replacement etc)	-	-	2.0
4	Software development & maintenance	--	--	1.0
5	Remuneration	25 lakh	10	2.5
6	Data base administration, implementation, monitoring , data entry expenses etc.	--	---	1.0
<b>Total</b>				<b>20.8</b>

5. *Outcome of the project:* GIS mapping of farmers once completed, the data can be used by various Government departments for planning, disaster management etc. Identification and traceability of animals and farmers can be done quickly. This can ensure proper utilization of fund. A resourceful data can be generated which can be used for data mining, pedigree record generation and planning of future activities. It is expected that implementation of GIS mapping of farmers and RFID tagging of animals will ensure traceability and transparency in Animal Husbandry activities.

6. *Time line:* The geo-mapping of farmers (25 lakh) and RFID tagging of animals will be completed within a span of 1 year.

7. The HLEC, in its meeting held on 21/11/2019, the minutes of which is read as 7<sup>th</sup> paper above, considered the DPR in detail and approved the same and authorized the RKI to issue Administrative Sanction.

8. In these circumstances, the Government are pleased to issue Administrative Sanction for the implementation of the project at an estimated cost of **₹20.8 crore (Rupees Twenty crore and Eighty lakh only)** as detailed above, under the Rebuild Kerala Initiative by sourcing funds from the World Bank's Development Policy Loan. The expenditure in this regard will be debited to the budget provision under H/A 5475-00-115-94-Post flood Projects under Rebuild Kerala Initiative (P).

9. The Animal Husbandry Department shall formulate an effective monitoring mechanism for the timely implementation of the project. All mandatory clearances from relevant departments shall be obtained as per rules in force. All procurements, including that of IT related components, as part of the project will be done in a transparent and competitive manner following extant rules. Convergence of all departments in implementing the project will be explored, wherever applicable.

**By order of the Governor,  
Dr. VENU V.  
PRINCIPAL SECRETARY**

To

The Director, Animal Husbandry, Thiruvananthapuram

The Principal Accountant General (A&E/ Audit), Thiruvananthapuram

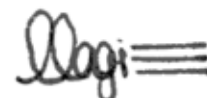
Information & Public Relations(Web & New media) Department (for publishing in  
the Govt. Website)

The Animal Husbandry Department

Finance Department

SF/Office Copy [File No.RKI-3/101/2019-PLGEA]

Forwarded/ By Order,



Section Officer

Copy to:

The Principal Secretary, Animal Husbandry Department

Special Secretary to Chief Secretary.

All members of HLEC and RKI-IC.