



## Press Release

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### **Implementation of JICA's Technical Cooperation Project for "Improvement on the Vaccination program for Avian Influenza Control in Indonesia"**

JICA exchanged views and had a series of discussion with Indonesian authorities concerned on the details of the technical cooperation project of "Improvement on the Vaccination program for Avian Influenza Control in Indonesia" which was requested to The Government of Japan in March 2007, and as the result of discussion, JICA and the Indonesian authorities concerned agreed on the implementation of the project and exchanged the R/D (Record of Discussion) which defines the concrete activities of the project at Directorate General of Livestock Services of Ministry of Agriculture on October 5<sup>th</sup>. This cooperation is expected to contribute to early containment of avian influenza through improvement of vaccination program for avian influenza in Indonesia.

#### 1. **Background**

- Since the first outbreak of highly pathogenic avian influenza (HPAI) was found in August 2003 in Indonesia, HPAI has been spread in whole country. The numbers of deaths of human by HPAI reached 86 (as of October 2<sup>nd</sup>) even though the several control measures have been taken by the Government. It also affects the poultry industry and the economic loss could become huge if effective control measures for HPAI will not be taken. Therefore it is urgent to contain the spread of HPAI in Indonesia.
- Vaccination program is one of the important components in the national strategic plan for HPAI control in Indonesia. However since the vaccination has been chosen as the control measures in March 2004, the significant barriers to reducing the incidence and prevalence of poultry outbreaks remains. It is said that the inadequate quality control of vaccine product or low coverage rate might affects on the deficits of the vaccination program in Indonesia. But it is not definite yet because the monitoring activities of post vaccination are not sufficient enough both in quality and quantity.
- On the other hand, recently several new technologies and information regarding vaccine and vaccination program have been proposed (such as a combination vaccine with ND, vaccination program for hatchery etc.). Prior to the application of these new technologies, it is required to make a trial and to evaluate the efficacy of them. However in Indonesia it is very difficult to implement the experiment of the vaccination program due to the lack of the proper monitoring system
- To overcome these difficulties, it is important to strengthen the monitoring activities of post vaccination and the evaluation system of vaccine program.
- Under these circumstances, the Government of Indonesia made an official request to the Government of Japan for the technical cooperation on strengthening of 1) the capacity of monitoring activity of post vaccination and 2) the function of the evaluation on the new technology by the experimental monitoring activity in Disease Investigation Center (DIC)
- This project is also expected to be implemented effectively in collaboration with Japanese Grant Aid Project, which has started this year (will be completed in early 2009), for the improvement of the HPAI Laboratories in DICs in West Java, North Sumatra and Lampung where the incidence of HPAI is high.

2. **Outline**

[ Implementation Agency ]: Directorate General of Livestock Services ( DGLS ) in Ministry of Agriculture

[ Project Site ]: DGLS, DICs and National Veterinary Drug Analysis Laboratory (NVDAL)

[ Project Period ]: November 2007 – November 2009 (2 years)

[ Activities ]:

To implement the training for the staffs of DIC on the procedure for the monitoring of post vaccination for the improvement of the skill and standardization of the techniques

To strengthen the monitoring system of post vaccination for the serological active surveillance.

To establish the experimental monitoring system for the evaluation on the usefulness of new technology in vaccination program.

Based on the above result, to analyze the constraints of the present vaccine program and to make a recommendation for the improvement of the program.

3. **Expected Results**

If the achievement of this project is introduced to the vaccine program for HPAI in Indonesia, it is expected that the number of incidence of HPAI of poultry would reduce and the containment of HPAI would progress by following the improved program. More specifically;

The deficits of the present vaccine program are identified by strengthening the monitoring activities of post vaccination and the vaccine and vaccination procedures are revised.

The new technologies of the vaccination program are evaluated and more effective technology for the improvement of the vaccination program is applied.

4. **Attachments**

The concept of the project

< For more information >

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