MEMORANDUM OF UNDERSTANDING

between

BANGLADESH WATER DEVELOPMENT BOARD (BWDB)

and

DEPARTMENT OF LIVESTOCK SERVICES (DLS)

30 April 2014

MEMORANDUM OF UNDERSTANDING (hereinafter referred to as the "MoU"), dated 30.04.2014 between BANGLADESH WATER DEVELOPMENT BOARD (hereinafter referred to as the "BWDB") and the DEPARTMENT OF LIVESTOCK SERVICES (hereinafter referred to as the "DLS") on the responsibilities of BWDB and DLS in the BLUE GOLD PROGRAM (hereinafter referred to as the "Blue Gold")

WHEREAS

1) BWDB is implementing Blue Gold with an estimated cost of Taka 56,349 Lac for the period from January 2013 to December 2018 with joint funding by the Embassy of the Kingdom of Netherlands (EKN) in Dhaka, and the Government of Bangladesh (GoB). Blue Gold was approved by ECNEC on 30 July 2013.

2) Blue Gold aims to reduce poverty for 150,000 households living on 160,000 ha of selected coastal polders by creating a healthy living environment and a sustainable socio-economic development.

3) Specific objectives of Blue Gold are:
   a. To protect the communities and their land located in polders against floods from river and sea (climate change adaptation) and to optimize the use of water resources for their productive sectors.
   b. To organize the communities in cooperatives which will have to become the driving force for the natural resources based development (agriculture, fisheries and livestock), whereby environment, gender and good governance are effectively addressed.
   c. To increase the household income derived from the productive sectors.
   d. To strengthen the institutional framework for sustained water resources development and related development services in the SW/SC coastal zones

4) Project area: The Blue Gold Program area covers 3 districts of Patuakhali, Khulna and Sathkhira in costal zone of Bangladesh. Most of the Upazila under the above mention three districts including Amtali Upazila of Borguna will be covered under the Blue Gold Program.

5) BWDB is the appropriate authority for water management development in medium and large scale water management projects.

6) DLS is capable of providing required assistance to Blue Gold for livestock development.

7) BWDB and DLS recognize that close cooperation and coordination between the two agencies will contribute to the aims and objectives of Blue Gold and will benefit the Blue Gold beneficiaries.

THEREFORE, both agencies hereto agree as follows:

SCOPE OF COOPERATION

The following activities will be included in the technical cooperation program between DLS and BWDB:

1) Exchange of information and publications
2) Implementation of training and demonstration and research programs in the livestock sector
3) Providing technical expertise and cooperation by DLS on request of BWDB and within the aims and objectives of Blue Gold.

4) Development and management of the livestock sector in Blue Gold areas.

TERM

This MoU shall take effect from the date of signing and shall remain in force initially for a period of 10 (ten) years. It may be extended further for such duration as the parties would mutually decide.

Either party may terminate this Memorandum of Understanding by written notice to the other party. This Memorandum of Understanding, however, will remain effective for 180 days from the date of issue off such notice.

RESPONSIBILITIES OF BLUE GOLD-BWDB

1) Blue Gold and its employees will extend all necessary cooperation to DLS in a rightful way.
2) Blue Gold will review planning and progress of livestock production related trainings, workshops and extension activities in the Blue Gold area and will exchange relevant information.
3) Blue Gold will extend all out cooperation and make physical arrangements for carrying out livestock trainings, demonstrations, peer-learning, workshops and research in the Blue Gold area during the Blue Gold implementation period.
4) Blue Gold will provide all costs for carrying out all activities related to livestock trainings, demonstrations, peer-learning, workshops and research during Blue Gold implementation period as per Blue Gold approved work plan and budget.
5) Blue Gold will provide logistical support and facilities to the DLS for trainings, workshops, peer-learning and demonstrations from project fund as per Blue Gold approved work plan and budget.
6) Blue Gold will promote gender equity in its activities, aiming at equal chance for men and women to decide on, participate in, and benefit from these activities.
7) Blue Gold will provide DLS with all relevant information related to its activities.
8) Through close and effective coordination with DLS, Blue Gold will support and institutionalize livestock extension services in the Blue Gold area.
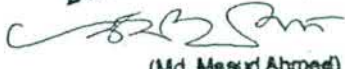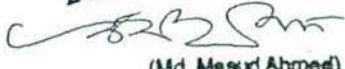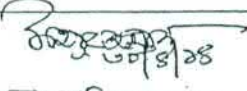
RESPONSIBILITIES OF DLS

1) The DLS will nominate one of their appropriate officials as "Focal Point (Livestock)" who will be responsible for coordinating livestock activities to be undertaken by DLS in Blue Gold area, in association with Blue Gold personnel.
2) DLS, using their upazilla and district level staff, will provide necessary assistance to Blue Gold in:
   a. preparing livestock development plan for the polders in the Blue Gold area in participatory manner
   b. increasing livestock and fodder production and implementing livestock extension services by FFS in the Blue Gold area
   c. developing ToT and FFS curricula
   d. providing training to FFS facilitators and WMO members
   e. organizing peer-learning events

    f.   providing technical support and backstopping to FFS facilitators

    g.   monitoring and evaluation of FFS activities will be conducted by Blue Gold Members.

3) DLS staff at upazilla and district levels will extend technical cooperation to the Blue Gold beneficiaries, especially to livestock activities including poultry, small ruminants, large ruminants, other farm animals, milk production, egg production, fodder crop production to ensure sustainable increasing livestock production.

4) DLS will in their own extension activities give emphasis to the Blue Gold beneficiaries.

5) Blue Gold and DLS will make up-to-date information on livestock production in Blue Gold area available to Blue Gold, under co-operation between Blue Gold and DLS.

6) DLS will provide necessary technical assistance for community animal health workers, vaccination services (supply and campaigns), fodder seed and cuttings, artificial insemination services, and breeding bucks in Blue Gold area.

7) Blue Gold and DLS Upazila Officers will submit report prepared jointly with Blue Gold staff on livestock activities and livestock production in the Blue Gold polder areas in the meeting of Upazila Development Coordination Committee and discuss relevant issues.

8) Blue Gold and DLS Veterinary Field Assistants will submit report prepared jointly with Blue Gold staff on livestock activities and livestock production in the Blue Gold polder areas in the meeting of Union Development Coordination Committee and discuss relevant issues.

9) DLS will provide Blue Gold with advice and technical assistance to identify, test, learn and replicate innovation activities and good practices in the livestock sector.

10) DLS will support collaboration between development partners (projects, organizations, NGOs, LGIs, etc.) in the Blue Gold area.IN WITNESS WHEREOF, DLS and BWDB have agreed to affix their signatures on the date mentioned above.

DEPARTMENT OF LIVESTOCK SERVICES (DLS) Represented by	BANGLADESH WATER DEVELOPMENT BOARD (BWDB) Represented by
50·04·14 (Dr. Md. Shahidul Islam) Director General (C.C) Department of Livestock Services Bangladesh, Dhaka. Director General, DLS	Director General, BWDB (Md. Shahidur Rahman) Director General BWDB, Dhaka.

WITNESSES

(ডাঃ মোঃ ফরহাদুল আলম) সহকারী পরিচালক (প্রশিক্ষণ ও প্রশাসন) প্রাণিসম্পদ অধিদপ্তর, বাংলাদেশ, ঢাকা।	(Md. Masud Ahmed) Project Director Blue Gold Program Bangladesh Water Development Board Dhaka
মোঃ হাবিবুর রহমান সহকারী পরিচালক (খামার) প্রাণিসম্পদ অধিদপ্তর, বাংলাদেশ, ঢাকা।	(মোঃ আবুল কাওছার) নির্বাহী প্রকৌশলী বু গোল্ড প্রোগ্রাম, পরিকল্পনা-৪ বাংলাদেশ পানি উন্নয়ন বোর্ড, ঢাকা।