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ROUND TABLE DIALOGUES AMONG PUBLIC AND PRIVATE SECTORS AND ACADEMIA ORGANIZED

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WORLD BANK GROUP

Work Package 74

Round table dialogues among public and private sectors and academia organized

Work Package 74, Sub-activity 3.7

Gap analysis of existing legislation, drafting legal amendments, development of baseline data of food safety, establishment of animal origin food inspection program and quality assurance scheme

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Bangladesh

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Abbreviations and Acronyms

AMR	Antimicrobial Resistance
AMU	Antimicrobial Use
BARC	Bangladesh Agricultural Research Council
BAU	Bangladesh Agricultural University
BFSA	Bangladesh Food Safety Authority
BLRI	Bangladesh Livestock Research Institute
BSTI	Bangladesh Standards and Testing Institution
CAC	Codex Alimentarius Commission
CDIL	Central Disease Investigation Laboratory
DSCC	Dhaka South City Corporation
DGDA	Directorate General of Drug Administration
DGHS	Directorate General of Health Services
DLS	Department of Livestock Services
DOF	Department of Fisheries
FAO	Food and Agriculture Organization of the United Nations
FDIL	Field Disease Investigation Laboratory
GAP	Good Agriculture Practice
HACCP	Hazard Analysis and Critical Control Point
IEDCR	Institute of Epidemiology, Disease Control and Research
IPH	Institute of Public Health
ISO	International Organization for Standardization
LDDP	Livestock and Dairy Development Project
LOA	Letter of Agreement
LRI	Livestock Research Institute
MIC	Minimum Inhibitory Concentration
MoFL	Ministry of Fisheries and Livestock
MOU	Memorandum of Understanding
MRL	Maximum Residue Limit
UNIDO	United Nations Industrial Development Organization
WHO	World Health Organisation
WOAH	World Organisation for Animal Health

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EXECUTIVE SUMMARY

UNIDO in conjunction with LDDP / DLS, organized several round table dialogues with stakeholders from public and private sectors, and academia, to improve cross-sectorial collaboration, enhance communication and advocacy for the safe production of foods of animal origin. The UNIDO national and international expert team commenced the process by first identifying potential stakeholders from the public sector, private sector and academic institutes. Data, policy documents, and other relevant information was collected from different stakeholders within the public and private sectors, and academic organizations which was then analyzed and collated.

A series of consultation meetings with relevant stakeholder organizations were organized where the role of cross-sectorial collaboration to enhance communication and strengthen enforcement activities in the production of foods of animal origin were discussed. A summary of the key outcomes of these deliberations were compiled and shared with stakeholders. UNIDO organized a consultation workshop with high-level officers of the Department of Livestock Services from 12th to 13th March 2023 at which the findings of this work was presented. National and international UNIDO experts facilitated the workshop following which recommendations were prepared including a proposed organogram for the Department of Livestock Services (DLS), which was developed as the optimal structure for implementing the recommendations. This report provides an overview and summary of these discussions.

INTRODUCTION

Foods of animal origin have an important role in a balanced diet but like all foods, must be safe for consumption. Equally important is the need for the food to be perceived as being safe by the consumer. Safe food of animal origin must be free from animal pathogens and from contamination of residues or other hazards. The production of safe food requires quality control beginning at farm level, and the use of high quality animal feed with the adoption of good farm animal practices. The control of animal disease and the control and regulation of animal feed are critical components of the food chain that have a direct impact on animal health and on food safety and public health.

To ensure the safety and quality of foods of animal origin, and their production in a sustainable manner, a holistic approach is required, requiring appropriate practices along the livestock value chain, from the producer right through to the consumer. As part of this approach, an enabling environment must be in place where food safety regulatory functions are designed and implemented through a mutually agreed process and through continuous coordination, between competent authorities. As one of the most complex food systems, the livestock sector requires increased attention by regulators and policy-makers to achieve the desired outcomes. Continuous monitoring to ensure that each of the different actors along the value chain follow adequate production, processing and marketing practices, including the use of safe inputs (e.g. feed and veterinary drugs) are the basis for ensuring safe food of animal origin is placed on the market.

The regulatory functions of competent authorities are set out through a transparent and up-to-date policy, legal and institutional framework of a country. Where this is not the case, food control functions need to be developed in a synergistic way so that policies, laws, food safety standards and inspection functions set out a clear and predictable approach for regulatory enforcement, facilitated by the food industry's endeavors towards compliance with national requirements as well as those of high-end export markets.

UNIDO promotes the application of best practices in developing food safety regulatory capacities and practices by promoting a compliance culture among food safety stakeholders. These practices should be adjusted to the development status of any food control system to ensure their expected outcomes. Upgrading food safety practices, food regulatory programmes, and adopting a value chain approach, can have a catalytic role in spreading best practices among food business operators.

The Livestock and Dairy Development Project (LDDP) initiative aims to improve productivity, market access, and resilience of smallholder farmers and agro-entrepreneurs by supporting climate smart production systems, farmer empowerment and commercialization. It will foster a market-led transformation of livestock production, while ensuring that the supply response to growing demand is sustainable, inclusive, safe, and environmentally sustainable. Improvement of food safety regulatory practices are essential to improve public health outcomes and simultaneously facilitate enhanced food trade for Food Business Operators (FBOs), targeting export markets.

LDDP's Package 74 called *Gap analysis of existing legislation, drafting legal amendments, development of baseline data of food safety, establishment of animal origin food inspection program and quality assurance scheme* (referred to as technical assistance) is part of the Component C2 (Food Safety and Public Health) objectives. This report is the result of a consultative process held with the Project Management Unit (PMU) of the Livestock and Dairy Development Project (LDDP) and a review of existing international standards related to food control systems and other guidelines and standards for foods of animal origin and veterinary practices.

As per targets of component C, the specific objective of the technical assistance is to provide support in below tasks:

1. Gap analysis of existing legislation on food safety enforcement;
2. Drafting legal amendments and regulations for stronger food safety enforcement in relevant value chains;
3. Baseline data on the current level of food safety in relevant value chains;
4. The establishment of an animal origin food inspection program; and
5. Support to the establishment of quality assurance schemes (GAP, HACCP, ISO, CODEX).

To support the above objectives UNIDO national and international expert teams arranged round table dialogues among the relevant public and private sector authorities and associated academic organizations with the aim of minimizing public, private and interdepartmental gaps

in the field of safe animal food production.

ACTIVITIES TO IMPROVE CROSS-SECTORIAL COLLABORATION, ENHANCE COMMUNICATION AND ADVOCACY WITH PUBLIC AND PRIVATE SECTOR AND ACADEMIC ORGANIZATIONS

Stakeholder's identification

As defined in WOH and Codex guidelines, UNIDO national and international experts identified the key stakeholders involved in implementing food safety practices in the production of foods of animal origin. Stakeholder consultation meetings were conducted to identify possible means of collaboration, methods of improved communication and advocacy for the safe production of foods of animal origin.

Round Table Dialogue among public and private sectors and academic organizations

A series of dialogues were organized with different public and private sectors and academic organizations to identify existing practices, gaps, data sharing opportunities, current policy, and identify potential synergies to improve the safety of foods of animal origin.

Meetings were held with the following competent authorities and institutions: DLS, DoF, BFSA, BSTI, DGDA, DGHS, BLRI, Two City corporations, CDIL, LRI, QC lab, IEDCR, IPH, Fleming Fund, Sher-e-Bangla Agricultural University, and the Dhaka, Veterinary Council to understand their charter of duties, mandate, operational procedure, and linkage with other related legal agencies.

National and International experts reviewed the empowering legislation of the different relevant regulatory agencies. The relevant legislative acts are:

- Bangladesh Standards and Testing Institute Act 2018 and rules
- Bangladesh Food Safety Act 2013 and rules
- City Corporation Act 2009 and rules
- Fish and Fish products (Inspection and Quality Control) Act 2020 and rules
- Animal Disease Act 2005 and rules
- Animal and Animal Products Quarantine Act 2005

- Fish Feed and Animal Food Act 2010 and rules
- Animal Slaughter and Quality Control of Meat Act 2011 and rules
- Animal welfare Act 2019

The UNIDO team collected data, policy documents and relevant information from different public and private sectors and academic organizations during stakeholder consultations. Finally, UNIDO experts reviewed all collected information, facts, and policy documents, and compiled them together. The UNIDO team visited and made interaction with the following organizations:

- Department of Livestock Services (DLS),
- Livestock and Dairy Development Project (LDDP)
- Central Disease Investigation Laboratory (CDIL),
- Quality Control Laboratory of DLS (QC-DLS),
- Central Veterinary Hospital (CVH),
- Bangladesh Livestock Research Institute (BLRI),
- Department of Fisheries (DOF)
- Quality Control Laboratory of DoF (QC-DoF),
- Communicable Diseases Control of Directorate General of Health Services (CDC-DGHS),
- Institute of Public Health (IPH)
- Institute of Epidemiology, Disease Control and Research (IEDCR),
- Directorate General of Drug Administration (DGDA),
- Bangladesh Standard and Testing Institute (BSTI),
- Bangladesh Accreditation Board (BAB),
- Fleming Fund Grant of Bangladesh,
- Bangladesh Food Safety Authority (BFSA),
- Sher-e-Bangla Agricultural University (SAU)
- Consumers Association of Bangladesh (CAB),
- Dhaka South City Corporation (DSCC),
- Antimicrobial manufacturer, feed miller and drug seller,
- Dairy Farmers Association of Bangladesh,
- Professional Consultations,
- In person communications with relevant professionals, etc.



Meeting with National experts and different stakeholders (IEDCR & DGDA)

Round Table Dialogue with key stakeholders

1 Department of Livestock Services (DLS)

The UNIDO/LDDP team met with the Directorate General of the Department of Livestock Services (DLS) and his team on 27 December 2021. High officials of the department also attended the meeting.

Brief about DLS

The DLS is a Bangladesh government department within the Ministry of Fisheries and Livestock. The activities of the department started in 1893 through a Civil Veterinary Department of the British government headed by a Veterinary Adviser to the Government. In the same year the Bengal Veterinary Institute and Veterinary Hospital were also established. The founder was a British Veterinarian JHB Hallen, who introduced the Civil Veterinary Service in India, as well as in Bengal. After the partition of India in 1948, the Department was reorganized as the Directorate of Animal Husbandry, East Pakistan. In 1960, it was again reformed and named the Directorate of Livestock Services. After liberation in 1971, it acted as the Directorate of Livestock Services of the Bangladesh Government.

Objective of the meeting

To share activities of UNIDO LDDP team

Summary of the meeting

UNIDO-LDDP team given a briefing about Work Packages 74 (Food Safety) and 75 (Antimicrobial Resistance). Under those packages, major tasks i.e. Performance of veterinary services, Value chain related to food safety, Inspection, AMR & AMU, and Legislation were discussed. Discussions between UNIDO and DLS focused on:

- Existing surveillance system, registration, and current organogram.
- Existing inspection, legislation, and regulatory system.
- Cross-cutting issues on AMR, Food safety, Legislation, Regulation, veterinary service structure, and inspection in the livestock sector.

2 Livestock and Dairy Development Project (LDDP)

The UNIDO team met with the Project Director of LDDP and his team on 1st December 2021.

Brief about LDDP

The Government of Bangladesh (GOB) and the Department of Livestock Services (DLS) implemented a project with the vision of developing the livestock and dairy sector in Bangladesh. The project received financing from the World Bank leading to the establishment of the Livestock and Dairy Development Project (LDDP). The project was to foster a market-led transformation of livestock production while ensuring that the supply responds to the growing demand of the country.

Objective of the meeting

To share ideas with PMU, LDDP about the activities of the UNIDO LDDP team

Summary of the meeting

The team agreed that

- UNIDO will develop all assigned documents /deliverables under packages 74 and 75 within the time period.
- LDDP, DLS will provide all necessary support.

3 Fisheries Inspection and Quality Control (FIQC), Department of Fisheries, Dhaka.

The UNIDO team met with the officers of the FIQC, Department of Fisheries, Dhaka on 19th December 2021.

Brief about FIQC

The Office of Fish Inspection and Quality Control (FIQC), Dhaka was established in 1980. FIQC Dhaka is the official control authority for safe and quality fishery products to consumers. This official control is based on following acts, rules, guidelines/manuals, etc. FIQC ensures the safety & quality of fish and fishery products and the issuance of health certificates.

Objectives of the meeting

To understand activities performed by the organization and to share the available acts, rules guidelines/manuals, etc.

Summary of the meeting:

- Overall activities of Fish Inspection & Quality Control (FIQC) were reviewed
- Understand the organizational structure related to field inspection and monitoring system
- Share the present acts, rules, guidelines/manuals related to food safety
- Way of future collaboration with DLS and DOF

4 Bangladesh Food Safety Authority (BFSA)

A meeting entitled “Exchange of views with Bangladesh Food Safety Authority (BFSA) and experience sharing on BFSA activities” was held on 05 January 2022 at the BFSA Office, Dhaka. The Chairman of BFSA Mr. Md. Abdul Kayoum Sarker, chaired in the meeting.

Brief about BFSA

BFSA is an autonomous national food safety regulatory agency established as a statutory organization. The authority was formed in February 2015 under the Food Safety Act 2013 under the Ministry of Food. The authority was modeled on the American Food and Drug Administration. BFSA is a facilitating agency tasked with rendering necessary support to those entities/organizations directly involved in updating and upgrading the food safety standards or guidelines; in determining permissible limits at its highest safe level for the use of contaminants and residue, additives, or preservatives; in determining permissible limits of radiation in food; in formulating and implementing accreditation policies; in formulating procedural guidelines for accrediting food testing laboratories and requesting the government to increase the capacity of safe food controlling agencies and organizations. It is governed by a five-member decision-making body. The agency has its own mobile court that can fine and sentence people for food adulteration.

Objectives of the meeting

To understand the activities currently undertaken by the BFSA, and to share the available acts, rules, guidelines/manuals.

Summary of the meeting

There was extensive discussion between parties on the following areas;

- The findings of the UNIDO Gap analysis of veterinary services, food safety, and value

chain related to food safety, Inspection, and Legislation.

- The major challenge related to the safety of foods of animal origin,
- The existing Act and Regulations of Food Safety, and Inter-Agency collaboration to strengthen food safety compliance;
- Future collaboration with DLS and BFSA in enforcing the relevant legislation for the production and placing on the market of foods of animal origin.

5 Bangladesh Standards and Testing Institution (BSTI)

A meeting was held on 23 January 2022 at the BSTI Office, Dhaka. The Chairman of BSTI chaired the meeting and other five high officials also attended the meeting.

Brief about BSTI

BSTI is an autonomous government body under the Ministry of Industries, established to control the standards of services, goods, weights, and measures, and promote the adoption of the international system of units in Bangladesh. This institution is a Key Performance Indicator (KPI) of the Government of Bangladesh.

Objectives of the meeting

- To exchange views of the livestock department/UNIDO on safe food production with the Bangladesh Standard and Testing Institute (BSTI)
- Experience sharing on animal origin food safety with BSTI
- To know the activities of BSTI on safe food of animal origin.

Summary of the meeting

- Discussed the existing acts and rules of BSTI on animal-origin food;
- Activities of BSTI regarding animal origin food safety;
- Future collaboration and cooperation to improve animal-origin food safety.

6 Dhaka South City Corporation (DSCC)

A meeting was held on 19th December 2021 at the DSCC Office, Dhaka. The Chief Executive Officer of DSCC chaired the meeting and other high officials also attended the meeting.

Brief about DSCC

Dhaka South City Corporation (DSCC) is one of the two municipal corporations in Dhaka

created when the former Dhaka City Corporation was divided into two by the Local Government Amendment Bill 2011 on 29 November 2011, passed in the Parliament of Bangladesh, following the President's approval.

Objectives of the meeting:

- To know the activities performed by the DSCC
- To collect information on different slaughterhouses and live bird markets within their jurisdiction.
- To know the future plan for ensuring safe food of animal origin.
- To propose future collaboration between DLS and DSCC

Summary of the meeting

- Discussion on the existing acts and rules of DSCC on slaughterhouse and live bird markets;
- A review of the activities of DSCC regarding food safety;
- Discussions on enhanced collaboration on the operation of slaughterhouses and food testing laboratories
- Future collaboration and cooperation with DLS to improve animal-origin food safety.

7 Bangladesh Milk Producers' Cooperative Union Limited (Milk Vita), Dhaka.

A meeting was held on 23 January 2022 at Milk Vita Office, in Dhaka. The DGM operations of Milk Vita chaired the meeting and AGM Quality Assurance also attended the meeting.

Brief about Milk Vita

Bangladesh Milk Producers' Cooperative Union Limited (BMPCUL) known as Milk Vita is one of the largest and oldest dairy cooperatives in Bangladesh, established by the government for the enhancement of milk production in the country. The company was established as a cooperative that would collect milk from farmers in rural areas and sell it in urban areas of Bangladesh. Products manufactured by the company include liquid milk, yogurt, cream, powdered milk, butter, and ghee. The company was founded in 1974.

Objectives of the meeting

- To understand the activities performed by Milk Vita;
- To collect information and different data on the milk value chain;
- To know the future plan for safe milk production and marketing.

Summary of the meeting

- Discussion on the future plan for the production and marketing of safe milk in the country;
- Discussed potential investment plans for the milk value chain in Bangladesh;
- Discussed future collaboration and cooperation with DLS to improve food safety.

8 Bengal Meat Processing Industries Ltd

A meeting was held on 23 January 2022 at the Bengal Meat Office, Dhaka. Md. Ashif Ahmed, Chief Executive Officer, of Bengal Meat, chaired the meeting, and Mr. Nurul Amin, Quality Assurance Officer also attended the meeting.

Brief about Bengal Meat

The Bengal Meat Processing Industries Ltd. is an export-oriented world-class meat company. It produces safe wholesome meat and meat products.

Objectives of the meeting:

- To understand the activities performed by the Bengal Meat Processing Industries;
- To collect information and different data on the meat value chain;
- To know the future plan for safe meat production and marketing.

Summary of the meeting:

- Discussed opportunities for the future marketing of quality meat from Bangladesh;
- Potential Investment plans were discussed for meat value chain;
- Discussion on the prospects and challenges in establishing private slaughterhouses in Bangladesh;
- Discussed future collaboration and cooperation opportunities with DLS to improve safe meat production.

9 Bangladesh Livestock Research Institute (BLRI)

A meeting was held on 24 January 2022 at Bangladesh Livestock Research Institute, Savar, Dhaka. Dr. Md. Abdus Samad, Chief Scientific Officer, the Animal Health Research Division, attended the meeting.

Brief about BLRI

Bangladesh Livestock Research Institute (BLRI), is a state-run national research organization that operates under the Ministry of Fisheries and Livestock and mandated to conduct research on livestock development in the country. The institute started functioning in 1985 on a land area of 500 acres. It is an autonomous government research institution for livestock and related research.

Objectives of the meeting

- To understand the laboratory capacity of BLRI as a food safety laboratory (testing, Surveillance);
- To collect information and different data of laboratory tests;
- To know the future plan to contribute safe animal-origin food.

Summary of the meeting

- Discussion on laboratory capacity, challenges, and opportunities;
- Possible linkage with the extension department;
- Discussion on a means of data sharing with related organizations;
- Agreement that collaboration and cooperation with DLS could be improved.

10 Meeting with Academia

(Faculty of Veterinary Medicine and Animal Science, Sher-e-Bangla Agricultural University (SAU), Dhaka)

A meeting was held with [Sher-e-Bangla Agricultural University, Dhaka](#) on 25 January 2022 at the university campus. Prof. Dr. Md. Shahidur Rashid Bhuiyan, Vice Chancellor, Chaired the meeting. International Experts, John Woodford and Michael Barry along with National Experts visited the Faculty of Veterinary Medicine and Animal Science, Sher-e-Bangla Agricultural University, Dhaka. Dean, Mrs. Lam Yea Asad, and the Head of Departments were present.

Brief about SAU

Sher-e-Bangla Agricultural University is the oldest agriculture educational institution in Bangladesh. The Faculty of Animal Science & Veterinary Medicine (ASVM) of Sher-e-Bangla Agricultural University is the newest faculty of this university. The ASVM Faculty started its activities in 2011. The ASVM Faculty now offers a Bachelor of Science in Veterinary Science and Animal Husbandry, i.e. B. Sc. Vet. Sci. & A. H., which is 5 years duration Bachelor's Degree.

Objectives of the meeting

- To understand the curriculum development procedure,
- To know how curriculum is harmonized or aligned with other veterinary schools;
- To know the plan for safe animal-origin food production.

Summary of the meeting

Participants discussed the following opportunities;

- Possible way of human resource development;
- Linkage with extension department for updating course curriculum;
- Sharing of research data with related organizations;
- How to improve the collaboration and cooperation with DLS.

11 Bangladesh Dairy Farmer's Association (BDFA)

The meeting was held on 5th September, 2023 in Dhaka. Association leaders were present at the meeting with the UNIDO National Experts.

Brief about BDFA

Bangladesh Dairy Farmers Association is an association of meat and milk-producing farmers in Bangladesh. It is a non-profit organization founded to establish the common rights of rural and industrial farmers.

Objectives of the meeting

- To understand the priorities of BDFA in engaging with the authorities,
- To know the constraints of dairy production;
- To know the plan of BDFA on safe animal-origin food production.

Summary of the meeting

Parties discussed the following:

- The challenges of dairy development in Bangladesh;
- Constraints of safe production of foods of animal origin;
- How collaboration and cooperation with DLS could be improved.

12 Prince Super Market (a ready-to-cook/eat food market) at Pallabi, Dhaka

A Meeting was held on 23rd January 2023 in Dhaka. Supervisors and salesmen/women of the shopping complex were present at the meeting with the UNIDO National Experts.

About Prince Super Market

Prince Supermarket is comprised of three sub-brands: “Prince Market”, “Prince Fresh” and “Prince Lifestyle”: Prince Market, according to its size and scope. It is a ready-to-cook / eat food retailer.

Objectives of the meeting

- To understand the activities performed by the organization,
- To know the plan for ensuring a supply of safe foods of animal origin.

Summary of the meeting

Discussions centered on the following;

- The role of packaging, preservation procedure, and consumer information on labels.
- The constraints in formal marketing safe foods of animal origin

HIGH-LEVEL POLICY DIALOGUE FRAMEWORK

A high-level Policy Dialogue Framework was organized with DLS on “Strengthening Capacities of Department of Livestock Services’ Regulatory Function Related to Safety of Food of Animal Origin and Foodborne AMR Surveillance in Bangladesh”.

Production of safe food is critical for the safety of domestic consumers as well as a pre-condition for export. Ensuring the safety of food of animal origin and prevention and control of foodborne antimicrobial resistance (AMR) in developing countries like Bangladesh is a big challenge.

The integrated approach of UNIDO’s Food Security and Food Systems Unit, aligning the development of a value chain with a strengthened food regulatory agenda was proposed to address challenges associated with food of animal origin in Bangladesh. Regulatory responsibilities are spread across a number of Ministries and agencies with the Department of Livestock Services (DLS) under the Ministry of Fisheries and Livestock (MoFL), being the primary authority responsible for assuring food safety from production through to the consumption of foods of animal origin.

Currently, there are a number of regulations to support the safe practices in the livestock

sector, nevertheless their implementation is lacking and is considered fragmented with limited coordination among the relevant competent authorities. Therefore, enforcement of such regulations needs capacity enhancement of the primary regulator as well as support from other relevant regulatory authorities. There are also areas, where overlapping of responsibilities is a crucial issue, which needs dialogue between regulators to solve the issues and ensure smooth service to the producers and consumers.

Even though there are existing coordination mechanisms among competent authorities in Bangladesh, a need for more focused coordination in policy development and implementation is required. This may be supported by the establishment of specialized working groups from different Ministries and agencies. As an outcome, DLS would be able to optimize resources, maximize knowledge and skills utilization, as well as sharing important information.

UNIDO hosted a 2-day “Policy dialogue on Strengthening Capacities of the Department of Livestock Services’ Regulatory Function related to Safety of Food of Animal Origin and Foodborne AMR Surveillance in Bangladesh” in Dhaka on 12-13 March 2023.

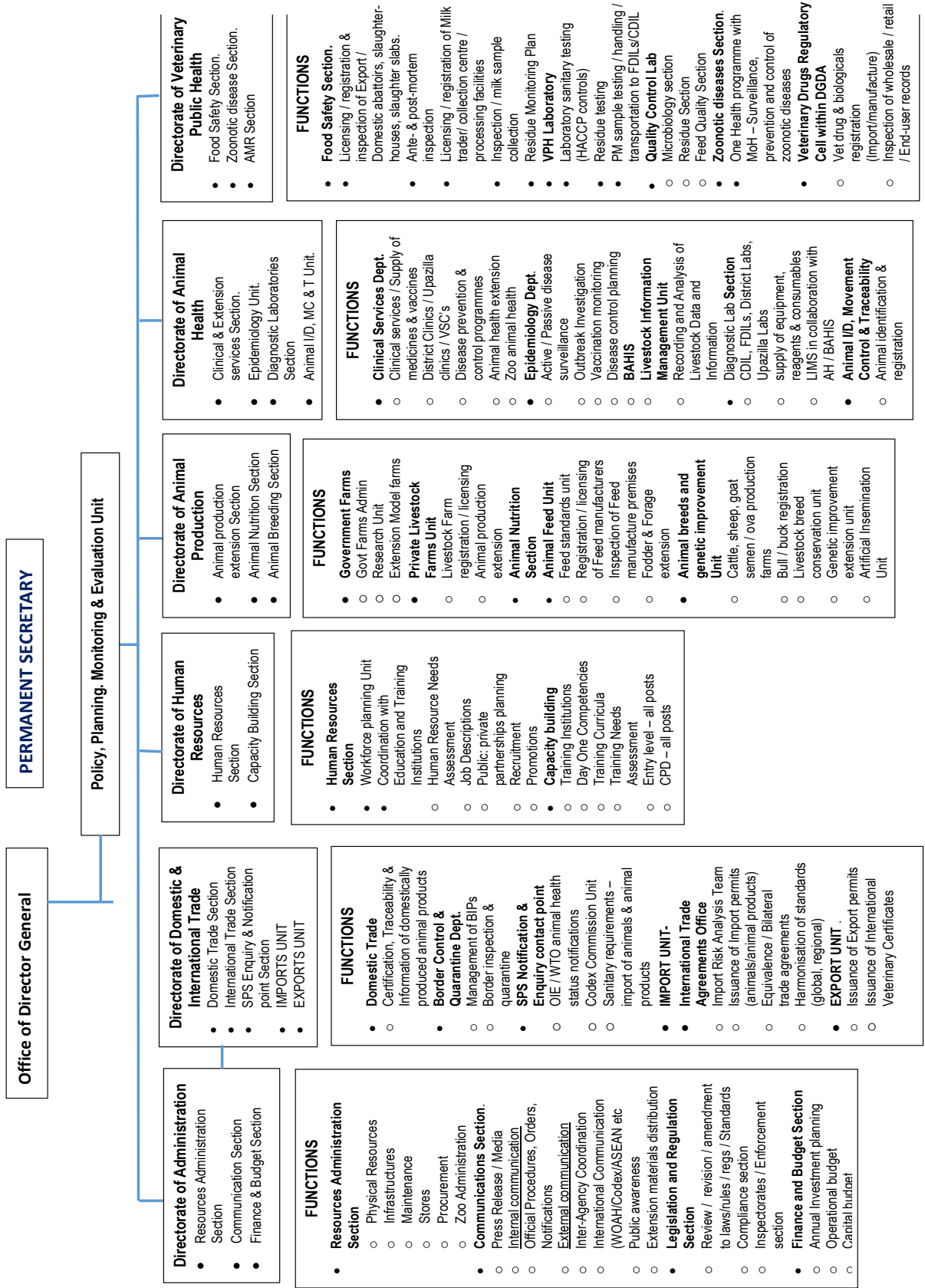
RECOMMENDATIONS

- Strong and effective collaboration needs to be developed between DLS, DGDA, BFSA, DGHS and BSTI. This may be achieved by clearly defining the areas of interagency collaboration for each stakeholder;
- A revised Organogram for DLS was proposed following intensive dialogue between UNIDO and DLS
- Mechanisms should be developed to share information and relevant data between agencies and Departments.
- Regulatory enforcement should be developed in DLS by deployment of veterinary inspectors for the enforcement of laws and regulations;
- A technical committee should be formed with relevant stakeholders from DLS, DGDA, BFSA, and academia.
- DLS should develop a new unit with specific responsibility for animal protection and animal quarantine with responsibility for:
 - Strengthening of Food safety and AMR surveillance in the animal health sector.
 - Deployment of veterinary inspection teams in the field for monitoring the sale and prudent use of veterinary drugs
 - Developing a sampling strategy for Food safety and AMR surveillance in animals and food of animal origin

- Improvement of enforcement of regulations through inspection and monitoring the slaughter house and food of the animal origin;
- Enactment of specific legislative instruments for rational AMU in food animals.
- Develop standard treatment guidelines (STGs) for poultry and large animals for endemic diseases.
- Development of a regulatory enforcement section within the VPH department.
- Development of a policy in compliance with Codex guidelines for the surveillance of foodborne pathogens of animal origin;
- Competent authorities must be identified for each regulatory activity along the food chain.
- A Multi-partner technical committee should be formed for related activities and roles and responsibilities of different actors should be identified
- Various tools and utensils used for food handling should be considered during risk assessment
- Risk assessment capacities should be developed by DLS and the risk manager and risk assessor should be identified
- An extended Memorandum of Understanding (MoU) between DLS and BFSA can benefit both parties in delivering better outcomes in food safety enforcement.

ANNEX-1: PROPOSED ORGANOGRAM

Proposed Structural Organisation and Functions - Directorate of Livestock Services



ANNEX -2: POWERPOINT PRESENTATION



Roundtable Discussions Expert Working Group 2 Objectives and Expected Outputs Summary of Challenges to be Addressed

12th – 13th March 2023

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Roundtable Discussions Expert Working Group 2 Objectives and Expected Outputs Summary of Challenges to be Addressed

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Roundtable Discussions - OBJECTIVES

- Overview main challenges related to enforcement of Food Safety of PoAO;
 - Senior DLS officers understand the legal mandates / responsibilities provided in legislation to DLS and other Competent Authorities ensure the Food Safety of PoAO;
 - Senior DLS officers can identify the Human Resource requirements to ensure effective management of Food Safety of PoAO;
 - Senior officers of DLS are well informed of issues to discuss with MoFL decision makers - **INTERNAL POLICY DIALOGUE**
-



Roundtable Discussions - OBJECTIVES

- Senior DLS officers recognise the main OVERLAPS & GAPS between DLS and other Competent Authorities related to Food Safety of PoAO
 - Senior officers understand issues related to Coordination, Collaboration & Communication with other Competent Authorities with shared interest in Food Safety of PoAO;
 - Senior officers of DLS can support MoFL decision makers to enter into **EXTERNAL POLICY DIALOGUE** with other Ministries / Institutions with shared responsibility for Food Safety management of PoAO
-

SUMMARY OF CHALLENGES & ISSUES IDENTIFIED

DLS Organisational Structure and Capacity

- Structure of DLS Organogram not conducive to allow effective management of Food Safety of Products of Animal Origin (& AMR)
 - DLS (& other CA) Human Resources insufficient to manage all regulatory functions of FS of PoAO effectively;
 - ❖ Insufficient Numbers of personnel at all levels; (HQ, Division, District, Upazilla)
 - ❖ Insufficient knowledge and skills of DLS personnel (inspection and enforcement);
 - ❖ No Job Descriptions covering Food Safety responsibilities.
 - Insufficient RECORD KEEPING – Inspection and detection of non-compliance
 - Insufficient information available for and capacity to undertake RISK ASSESSMENT
 - Poor understanding of Risk-based approach to control of FS of PoAO
-

SUMMARY OF CHALLENGES & POLICY ISSUES IDENTIFIED

DAIRY VALUE CHAIN

- No mention in current Livestock Policy of :
 - ❖ Safety of Animal Feed in current Livestock Policy;
 - ❖ Zoonotic disease control – esp. Brucellosis in Cattle, Sheep and Goats, Bovine Tb.- in current Policy;
 - ❖ Safety of Milk / Veterinary drug / chemical residues / food -borne pathogens.
 - Misuse of Prescription Only Medicines – retail sale and use;
 - Limited understanding of best farm and animal management practices;
 - Insufficient quality of Good Animal Husbandry Practices extension.
 - Incomplete inspection and control of Food Safety of Milk from farm to retail sale
-

SUMMARY OF CHALLENGES & POLICY ISSUES IDENTIFIED

BEEF / SMALL RUMINANT MEAT VALUE CHAIN

- Safety of Feed – regulation of use of antibiotics / growth promotants as additives;
 - Insufficient number of well positioned / modern slaughter infrastructures;
 - Lack of coordination and fragmentation of Hygiene management, ante and post-mortem meat inspection at City, Municipal and District levels, conflict of interests
 - Lack of REPORTING of animal / meat inspection results to DLS / Epidemiology cell;
 - Animal health services– poor level of coverage– insufficient quality and quantity of vaccines available;
 - Misuse of Prescription Only Medicines (POMs)– pharmacy retail sales / farmer use;
 - Good Animal Husbandry Practices (GAHP) extension weak;.
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SUMMARY OF CHALLENGES & POLICY ISSUES IDENTIFIED

POULTRY VALUE CHAINS (Meat and Eggs)

- Incomplete registration and inspection of Poultry production/processing premises;
 - Misuse of antimicrobials / hormones as growth promotants;
 - Presence of Drug and chemical residues in poultry meat and eggs;
 - Emergence of AMR in poultry pathogens;
 - Poor hygiene management in wet markets;
 - Insufficient number of modern poultry slaughter facilities;
 - Insufficient coordination of programme for surveillance and control of drug / chemical residues or Anti -microbial resistance (AMR).
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Roundtable Discussions – EXPECTED OUTPUTS

- Recommendations for Policy Options **INTERNAL DIALOGUE** within DLS:
 - ✓ Revision of DLS Organogram to allow effective management of Food Safety of PoAO (&AMR);
 - ✓ Strengthening of HR for FS of PoAO – Numbers, Knowledge & Skills, Job Descriptions;
 - ✓ What are the most important regulatory functions for FS of PoAO (roles and responsibilities) which belong to DLS ?
 - ✓ Revision of Legislation covering FS of PoAO – Laws, and Rules.
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Roundtable Discussions – EXPECTED OUTPUTS

- Recommendations for Policy Options **EXTERNAL DIALOGUE** with other **Competent Authorities**
 - ✓ Where are the main Overlaps & Gaps in the current management of FS of PoAO ?
 - ✓ How can DLS improve Coordination, Collaboration and Communication with other Competent Authorities with shared interest in FS of PoAO ?
 - ✓ Which Laws administered by DLS covering FS of PoAO have overlaps with other CA's and what recommendations can be made to revise accordingly ?
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ANNEX-3. MEETINGS AND CONSULTATIONS HELD WITH RELEVANT COMPETENT AUTHORITIES.

Meeting with Project Management Unit, LDDP, DLS.

Dates	01.12.2021		
Locations	Project Management Unit, LDDP, DLS		
Objectives	To share ideas with PMU, LDDP about the activities of UNIDO LDDP team		
Participants	Sl.#	Name	Designation
	1	Mr. Md. Abdur Rahim	Project Director (Joint Secretary)
	2	Dr. Md. Golam Rabbani	Chief Technical Coordinator (CTC)
	3	Dr. Hiranmoy Biswas, DPD	Deputy Project Director (DPD)
	4	Dr. Md. Shahjahan Ali Khondaker	Project Management Specialist (PMS)
	5	Mr. Md. Misbahuzzaman Chandan	Food safety and Quality Control Expert
	6	Dr. Arbinda Kumar Saha	Animal Health Expert (National)
	7	Kalyan Kumar Fouzder	Training and Extension Expert
	8	Mr. Jahid Hossain	National Dairy Expert
	9	Brigadier General Md. Abdul Hannan	Animal Reproductive Health Expert
	10	Kh. Zahir Hossain	Senior Mentoring and Evaluation Specialist
Activities carried out	At 10.00 AM- 12.00 PM meeting of UNIDO National Experts with Project Director, CTC, LDDP, DLS and other LDDP Officers and Experts to share ideas of about the activities of newly recruited UNIDO LDDP team to perform the responsibilities of under the LDDP project. Discussion also took place about the upcoming UNIDO international team mission to Bangladesh. The UNIDO team sought support from the LDDP. UNIDO team informed that they were going to start discussion with different stakeholders. They expected support from LDDP and DLS regarding the issue. LDDP assured all sort of support.		
Achievements/ Results	Common understanding with LDDP, DLS about the UNIDO activities.		

Meeting with Institute of Epidemiology Disease Control and Research (IEDCR).

Dates	13/12/2021
Locations	Institute of Epidemiology Disease Control and Research (IEDCR), Conference Room, Mohakhali
Objectives	To know National action plan of AMR surveillance plan; National AMR Surveillance Strategy of Bangladesh
Participants	Prof. Dr. Tahmina Shirin, Director IEDCR & Prof. Dr. Zakir Hassan Habib, AMR Lab In-Charge
Activities carried out	Discussion about National action plan of AMR surveillance plan (2017-2022); National AMR surveillance Strategy of Bangladesh; surveillance system, and about Nationwide surveillance network.
Achievements/ Results	Related document collected

Meeting with Flaming Fund Country Grant, DAI, Dhaka.

Dates	14.12.2021		
Locations	Team Leader, Flaming Fund Country Grant, DAI, Dhaka Bangladesh on 14.12.2021		
Objectives	To share ideas with PMU, LDDP about the activities of UNIDO LDDP team		
Participants	Sl.#	Name	Designation
	1	Prof. Dr. Nitish Debnath	Country Lead, DAI
	2	Dr. Kazi M. Kamaruddin	Laboratory Capacity Specialist
Activities carried out	At 10.00 AM- 12.00 PM meeting with Country Lead, DAI and other experts to understand the activities of the organization regarding food safety and AMR surveillance. It was informed that the organization conducts AMU surveillance under a framework utilizing capacities of different government organizations like CDIL, FDIL, Animal Health lab of BLRI, QC lab of DoF, CVASU etc. It was informed that the capacity of the labs is also strengthened under the project.		
Achievements/ Results	Understanding about the activities of Flaming fund grant in Bangladesh.		

Meeting with Fisheries Inspection and Quality Control (FIQC), DoF, Dhaka.

Dates	19.12.2021		
Locations	Director, Fisheries Inspection and Quality Control (FIQC), DoF, Dhaka		
Objectives	Understand activities performed by the organization and collection of documents		
Participants	Sl.#	Name	Designation
	1	Md. Mohibullah	Director, Quality Control & Inspection
	2	Dr. Niwaj Uddin	Deputy Director
	3	Dr. Maksudul Haque	Senior Assistant Director
	4	Mr. Sujit Kumar Chatterjee	District Fisheries Officer
	5	Md. Sirajul Islam	Senior Assistant Director
	6	Md. Mizanur Rahman	Senior Assistant Director
	7	Md. Alamgir	Inspector
Activities carried out	Meeting with Director, Fisheries Inspection and Quality Control (FIQC), in the Department of Fisheries. A number of scientists of the wing participated in the meeting. It was informed that this FIQC is a dedicated regulatory body for inspection and sampling. They inspect and collected samples as a part of National Residue Control Plan (NRCP) following a national plan and send sample to three designated Quality Control lab at Dhaka, Chattogram and Khulna. The lab is under a separate entity and reports independently. It was a good experience for our team.		
Achievements/ Results	Understood the organizational structure reformed to strengthen regulatory activities. Separation of field inspection system with the laboratory activities. Have idea about overall activities of FIQC. Strengthen collaboration with UNIDO team.		

Meeting with Dhaka South City Corporation (DSCC).

Dates	19.12.2021		
Locations	Chief Executive Officer's office, Dhaka South City Corporation (DSCC)		
Objectives	Understand activities performed by the organization and collection of documents		

Participants	Sl.#	Name	Designation
	1	Mr. Farid Ahmed	Chief Executive Authority (Additional Secretary)
	2	Dr. Fazle Shamsul Kabir	Chief Health Officer
	3	Mr. Aminul Islam Badal	Veterinary Officer
	4	Dr. S M Shafiqul Islam	Veterinary Officer
Activities carried out	At 2.30 PM-3.30 PM, meeting with Chief Executive Officer (CEO), Chief Health Officer and Veterinary Officer of Dhaka South City Corporation (DSCC), to share ideas the meat inspection procedure, legal aspects etc. on 19.01.2022. Dr. International Expert John Woodford accompanied the team. The CEO informed that a new slaughter house has been constructed at Hazaribag, Dhaka with a capacity of slaughtering 900 animals a day. He also informed that they have developed a food testing laboratory also in Fulbaria, Dhaka. The city corporation is going to recruit 5 veterinarians in addition to existing two for strengthening meat inspection, he added.		
Achievements/ Results	Have idea about overall activities of Dhaka South City Corporation about food safety related activities regarding animal origin food. Strengthen collaboration with UNIDO team.		

Meeting with Directorate General of Drug Administration (DGDA).

Dates	22/12/2021
Locations	Directorate General of Drug Administration (DGDA)
Objectives	Understand activities performed by the organization i.e. responsibility, regulatory function on production, importation and marketing of medicine, drugs, vaccines, and medical device both of Human and veterinary.
Participants	Major General Md. Mahbubur Rahman, DG Md. Salahuddin, Deputy Director
Activities carried out	Participated in a meeting with the organization.
Achievements /Results	Received several related documents; know about scope of working with DLS. Collected several acts & legislation i.e. The Drug Act 1940; The Drug Rules 1945; The Drug Rules 1946 and their amendments; The Drug (Control) Ordinance 1982 and its amendments.

Meeting with Director General, DLS on 27.12.2021.

Dates	27.12.2021		
Locations	Department of Livestock Services, Farmgate, Dhaka		
Objectives	To share ideas with DLS about the activities of UNIDO LDDP team		
Participants	Sl.#	Name	Designation
	1	Dr. Monjur Mohammad Shahjada	Director General
	2	Dr. Debashis Das	Director, Admin
	3	Dr. Md. Mahbubul Alam Bhuiyan	Deputy Director, Admin
	4	Dr. Md. Shahinur Alam	Deputy Director, Health
5	Dr. Mohammad Shahadat Hossain	Upazila Livestock Officer (L/R Post) Planning and Evaluation Cell	

Activities carried out	At 11.00 AM- 12.00 PM meeting with UNIDO national experts with Director Admin DLS to share ideas of about the activities of newly recruited UNIDO LDDP team to perform the responsibilities of under the LDDP project.
Achievements/ Results	Common understanding with DLS senior management about the UNIDO activities. DLS assured all sort of support.

Meeting with Director Admin, Department of Livestock Services (DLS).

Dates	27.12.2021		
Locations	Department of Livestock Services, Farmgate, Dhaka		
Objectives	To share ideas with DLS about the activities of UNIDO LDDP team		
Participants	Sl.#	Name	Designation
	1	Dr. Debashis Das	Director, Admin
	2	Dr. Md. Mahbubul Alam Bhuiyan	Deputy Director, Admin
	3	Dr. Md. Shahinur Alam	Deputy Director, Health
	4	Dr. Mohammad Shahadat Hossain	Upazila Livestock Officer (L/R Post) Planning and Evaluation Cell
Activities carried out	At 3.00 AM- 4.00 PM meeting with UNIDO national experts with Director Admin DLS to share ideas of about the activities of newly recruited UNIDO LDDP team to perform the responsibilities of under the LDDP project. Discussion about focal point selection from the DLS site for UNIDO's Food safety and AMR package.		
Achievements/ Results	Common understanding with DLS senior management about the UNIDO activities.		

Meeting with Bangladesh Food Safety Authority (BFSA).

Dates	05.01.2022		
Locations	BFSA Office, Dhaka		
Objectives	To understand activities performed by the organization and collection of documents		
Participants	Sl.#	Name	Designation
	1	Md. Abdul Kayowm Sarker	Chairman and Additional Secretary
	2	Md. Rejaul Karim	Member
	3	Monjur Morshed Ahmed	Member
	4	Prof. Dr. Md. Abdul Alim	Member
	5	Dr. Sahadev Chandra Saha	Director
	6	Mohammad Atiqur Rahman Majumder	Additional Director
	7	Ms. Nahida Sultana	Deputy Director
	8	Ahmed Salman Sirajee	Scientific Officer
	9	Sk Mohammad Ferdous Arafat	Law officer
	10	Avirup Saha	PS to Chairman
Activities carried out	At 11.00 AM- 01.00 PM Meeting with Bangladesh <i>Food Safety Authority</i> (BFSA) under the chairship of Chairman BFSA. It was an introductory meeting for experience sharing on food safety & AMR activities & involvement of UNIDO/LDDP. UNIDO team explained their activities and necessity of its linkage with BFSA. BFSA officers described their activities and linkage with other organizations for enforcement of their activities.		

Achievements	Understood the mandate of BFSA. Their role in coordinating activities of different organizations like DLS, DoF, BSTI etc. Collected documents of Food Safety Act 2013 and some rules.
Results	Have idea about overall activities of BFSA. Strengthen collaboration with UNIDO team.

Meeting with Bangladesh Food Safety Authority (BFSA).

Dates	19.01.2022		
Locations	BFSA Office, Shahbag, Dhaka		
Objectives	To understand activities performed by the organization and collection of documents		
Participants	Sl.#	Name	Designation
	1	Md. Rejaul Karim	Member
	2	Prof. Dr. Md. Abdul Alim	Member
Activities carried out	At 10.00 AM-12.30 PM, meeting with Md. Rejaul Karim, Member, Food consumption and consumer's right and Professor Md. Abdul Alim, Member, Food industry and production of Bangladesh Food Safety Authority (BFSA) to exchange views about roles and responsibilities of BFSA and collaboration with DLS. It was informed that BFSA started working with only 15 staffs in 2015 and now they have more than 100 officers (Food Technologist, Microbiologist etc.) working up to districts. Dr. John Woodford was along with the UNIDO team		
Achievements/ Results	Understood different BFSA activities and its collaboration with other organizations. Have idea about overall activities of BFSA. Strengthen collaboration with UNIDO team.		

Meeting with the person of Newly built slaughterhouse from City Corporation.

Dates	19.01.2022		
Locations	Newly constructed Slaughter house of Dhaka South City Corporation (DSCC), Hazaribag, Dhaka		
Objectives	Understand activities performed by the organization		
Participants	Sl.#	Name	Designation
	1	Aminul Islam Badal	Veterinary Officer
	2	Dr. S M Shafiqul Islam	Veterinary Officer
Activities carried out	At 2.30 PM-3.30 PM, visited newly constructed Slaughter house of south city corporation (DSCC) and vet veterinary officer in charge Dr. Aminul Islam Badal. Dr. John Woodford accompanied the team. The structure developed for the slaughterhouse was observed. It is yet to start its activities.		
Achievements/ Results	Have idea about the structure of the slaughterhouse.		

Meeting with Central Disease Investigation Laboratory (CDIL).

Dates	20.01.2022		
Locations	Central Disease Investigation Laboratory (CDIL), Dhaka		
Objectives	Understand activities performed by the organization		

Participants	Sl.#	Name	Designation
	1	Dr. Md. Golam Azam Choudhury	PSO
	2	Dr. Sukesh Baydho	Upazila Livestock Officer (LR)
	3	Dr. Md. Sadekuzzaman	Upazila Livestock Officer (LR)
	4	Dr. Mrs. Rabeya Begum	Upazila Livestock Officer (LR)
Activities carried out	20.01.2022, 10.00 AM-11.00 AM, Visited Central disease Investigation Laboratory (CDIL) meeting with Principal Scientific Officer and other scientists of CDIL of Department of Livestock Services and acquainted with the activities being performed there. Currently there are active surveillances going on for FMD, PPR, Brucellosis, rabies and AMR, all are project- based activities. No national surveillance program in place.		
Achievements/ Results	Have idea about the activities performed by CDIL about zoonotic disease control and AMR surveillance.		

Meeting with Modern Food Testing Laboratory and Training Center of DSCC, Dhaka.

Dates	20.01.2022		
Locations	Modern Food Testing Laboratory and Training Center of DSCC, Dhaka.		
Objectives	Understand activities performed by the organization		
Participants	Sl.#	Name	Designation
	1	Golam Sarwar	Team Leader
	2	Dr. Fazle Shamsul Kabir	Chief Health Officer
	3	Elias Jahedi	Chemist
	4	Aminul Islam Badal	Veterinary Officer
Activities carried out	On, 12.00 PM-01.00 PM, visited modern food testing laboratory and training Center of DSCC. The lab gets mainly enforcement food sample from the inspectors for test. All these are legal samples. No surveillance system in place. It performs basic (Moisture, ash, fat, CF, pH etc.) tests, microbial (E. coli, Salmonella, Schigella, Aerobic Plate count, Total Coliform, etc.) tests and residue (heavy metals) tests.		
Achievements/ Results	Have idea about the activities performed by the laboratory testing of samples about food safety		

Meeting with Faculty of Veterinary Medicine and Animal Science, Sher-e-Bangla Agricultural University, Dhaka.

Dates	25.01.2022		
Locations	Faculty of Veterinary Medicine and Animal Science, Sher-e-Bangla Agricultural University, Dhaka.		
Objectives	Understand activities performed by the organization		

Participants	Sl.#	Name	Designation
	1	Prof. Dr. Md. Shahidur Rashid Bhuiyan	Vice Chancellor
	2	Prof. Dr. Lam yea Asad	Dean, Faculty of Animal Science and Veterinary Medicine
	3	Prof. Dr. Anwarul Haq Beg	Chairman, Poultry Science
	4	Prof. KBM Saiful Islam	Chairman, Medicine and Public Health
	5	Dr. Mofassera Akhter	Chairman, Animal Nutrition, Genetics and Breeding
	6	Dr. Md. Asaduzzaman	Chairman, Dairy Science
	7	Dr. Md. Mosaraf Hossain	Chairman, Anatomy, Histology and Physiology
	8	Dr. Mrs. Sharifa Zahan	Chairman, Pharmacology and Toxicology
	9	Dr. Md. Anwarul Haque	Chairman, Surgery and Theriogenology
Activities carried out	10.00 AM -12.00 AM, International Experts, John and Michael along with National Experts visited the Faculty of Veterinary Medicine and Animal Science, Sher-e-Bangla Agricultural University, Dhaka. Dean, Mrs. Lam Yea Asad and Head of Departments were present. Issues like curriculum development procedure, harmonization of curriculum with other veterinary schools, monitoring and registration by Bangladesh Veterinary Council and compliance of day one competency of OIE were discussed. Later the undertook a courtesy visit to the Vice Chancellor Prof. Dr. Md. Shahidur Rashid Bhuiyan.		
Achievements/ Results	Have idea about curriculum development procedure, harmonization of curriculum with other veterinary schools, monitoring and registration by Bangladesh Veterinary Council and compliance of day one competency of OIE of the Institute.		

Meeting with Livestock Research Institute, DLS, Mohakhali, Dhaka.

Dates	25.01.2022		
Locations	Office of the Director, Research, Training and Evaluation, Department of Livestock Services, Mohakhali, Dhaka		
Objectives	Understand activities performed by the organization		
Participants	Sl.#	Name	Designation
	1	Dr. Md. Abdul Hai	Chief Instructor, Institute of Livestock Science and Technology, Gaibandha
	2	Dr. Md. Abu Sufian	PSO, Anthrax
	3	Dr. Md. Boizer Rahman	PSO, Fowl Pox
	4	Dr. Soheli Jahan Mou	SO, Veterinary Public Health
Activities carried out	At 01.00 PM -02.00 PM, International Experts, John and Michael along with National Experts visited Livestock Research Institute, Mohakhali, Dhaka. Discussed with concerned scientists about Veterinary Public Health related activities and curriculum of Para-professionals and registration of para-professionals by Bangladesh Veterinary Council. It was known that registration of para-professionals is yet to start by the council.		
Achievements/ Results	Have idea about the para-professional curriculum and veterinary public health activities.		

Meeting with Prince Super Market (a ready to cook/eat food market) at Pallabi, Dhaka.

Dates	23.01.2022
Locations	Prince Super Market (a ready to cook/eat food market) at Pallabi, Dhaka
Objectives	Understand activities performed by the organization
Participants	Discussed with the Supervisor and sales men/women of the shopping complex
Activities carried out	At 09.00 AM-09.30 AM visited Prince Super Market (a ready to cook/eat food market) at Pallabi, Dhaka along with Dr. Micheal Barry to see the varieties of food items sold and the packaging, preservation procedure, information quoted on packages etc. in the food of animal origin We also visited a slaughter slab in nearby wet market, it found almost net & clean. Micheal shares idea with the butcher specially about slaughtering, processing, waste management and meat selling
Achievements /Results	Have idea about the packaging, preservation procedure, information quoted on packages etc. in the food of animal origin.

Meeting with Milk Vita at Pallabi, Dhaka.

Dates	23.01.2022
Locations	Milk Vita at Pallabi, Dhaka
Objectives	Understand activities performed by the organization
Participants	DGM operations, - AGM Quality Assurance
Activities carried out	At 10.00 AM-1.00 AM visited milk processing plant of Milk Vita at Pallabi, Dhaka along with Dr. Micheal Barry to see their procedures. It was informed that it is the first milk processing plant in the country. They produce pasteurized and tone milk, butter, ghee etc. For quality assurance, they perform coliform test and total count after pasteurization. They perform adulteration tests also, whenever felt necessary. They follow BSTI standards.
Achievements/ Results	Have idea about the safety measures undertaken by the organization.

Meeting with Bengal Meat Slaughterhouse Authority, Dhaka.

Dates	23.01.2022		
Locations	Bengal Meat Slaughterhouse office, Dhaka		
Objectives	Understand activities performed by the organization		
Participants	Sl.#	Name	Designation
	1	Md. Ashif Ahmed	Chief Executive Officer
	2	Mr. Nurul Amin	Quality Assurance Officer
Activities carried out	At 06.00 PM-07.00 AM visited Dhaka Office of Bengal Meat Slaughterhouse. This is the only ISO certified slaughterhouse in the country. They follow safety protocols. Comply with DLS and other legislations. They follow BSTI standards. They export to Maldives and some other countries. They are exploring possibilities to export to other countries. Due to lack of FMD free zone and some other compliances, they cannot export to some countries. Local consumers are reluctant to pay for quality meat.		

Achievements/ Results	Understood the prospects and problems of establishing private slaughterhouse in Bangladesh
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Quality Control (QC) Laboratory of DLS at Savar, Dhaka.

Dates	24.01.2022		
Locations	Quality Control (QC) Laboratory of DLS at Savar, Dhaka		
Objectives	Understand activities performed by the organization		
Participants	Sl.#	Name	Designation
	1	Dr. Md. Mostofa Kamal	Lab In-Charge and Project Director
	2	Dr. Md. Abdul Hannan	Principal Scientific Officer
	3	Dr. Md. Al-Amin	Scientist
Activities carried out	At 10.00 AM-12.00 AM visited Quality Control (QC) Laboratory of DLS at Savar, Dhaka along with all National and International Experts. Lab. In charge Dr. Mostafa Kamal and other scientists were present. They displayed the laboratory facilities, activities and different laboratory procedures. The lab is accredited by Bangladesh Accreditation Board and achieves ISO 9001 certification. Mainly performs on demand tests for regulatory purpose. No food safety surveillance program in place.		
Achievements/ Results	Have idea about the activities done by the laboratory. Lack of a food safety surveillance system seems crucial.		

Meeting with Quality Control (QC) Laboratory of Department of Fisheries at Savar, Dhaka.

Dates	24.01.2022		
Locations	Quality Control (QC) Laboratory of Department of Fisheries at Savar, Dhaka		
Objectives	Understand activities performed by the organization		
Participants	Sl.#	Name	Designation
	1	Dr. Md. Manik Mia	Quality Assurance Manager
	2	Ms. Tanzinah Nasrin	Microbiologist
	3	Mithun Karmakar	Biochemist
	4	Md. Barkatul Alam	Assistant Director
	5	Mohammad Jahangir Alam	Fisheries Technologist
	6	Marzia Sultana	Assistant Director
Activities carried out	At 12.00 AM-02.00 AM all National and International Experts visited Quality Control (QC) lab of Department of Fisheries. Quality Assurance Manager and other scientists were there. They described their operational procedures clearly. This department has a planned food safety surveillance system in place.		
Achievements/ Results	Have idea about the activities done by the laboratory. An organized food safety surveillance system works well.		

Meeting with Bangladesh Livestock Research Institute (BLRI), Savar, Dhaka.

Dates	24.01.2022
Locations	Bangladesh Livestock Research Institute (BLRI), Savar, Dhaka

Objectives	Understand activities performed by the organization
Participants	Dr. Md. Abdus Samad, Chief Scientific Officer, BLRI, Savar, Dhaka
Activities carried out	At 02.30-04.30 all national and international experts except John Woodford visited Bangladesh Livestock Research Institute (BLRI). This is a well facilitated laboratory for microbial, residual and AMR testing. But linkage with extension department is poor.
Achievements / Results	Have idea about the activities done by the laboratory. Poor research-extension linkage needs attention

Meeting with Director Admin, DLS regarding PVS Gap Analysis.

Dates	18.01.2022		
Locations	DLS, Khamarbari Dhaka		
Objectives	Organized meeting with DLS Officers for self-evaluation of PVS		
Participants	Sl.#	Name	Designation
	1	Dr. Debashis Das	Director, Admin
	2	Dr. Md. Mahbubul Alam Bhuiyan	Deputy Director, Admin
	3	Dr. Bhabotosh Kanti Sarker	Director, Artificial Insemination
	4	Dr. Safiul Ahad Sarder	Director, Veterinary Hospital
	5	Dr. Md. Reajul Huq	Director, Production
	6	Dr. Ajit Kumar Sarker	Director, Central Poultry Farm
	7	Dr. Abul Hasnat Md Shahadat Hossain	Upazila Livestock Officer (L/R Post), Animal Health
	8	Dr. Mohammad Shahadat Hossain	Upazila Livestock Officer (L/R Post), Planning and Evaluation Cell
	9	Zeenat Sultana	Deputy Director, Farm
	10	Dr. A.B.M. Khaleduzzaman	Deputy Director (Leave, Deputation and Training Reserve Post), Extension
	11	T A B M Muzaffar Goni Osmany	Deputy Director, Epidemiology Unit
	12	Dr. Pallab Kumer Dutta	Deputy Director, HRD
	13	Md. Misbahuzzaman Chandan	Food Safety Expert, LDDP, DLS
	14	Dr. SK Shaheenur Islam	Deputy Chief Epidemiologist
	15	Dr. Md. Sorower Hossain Sikder	Deputy Director (Legislation, Administration/Registration/Certification)
	16	Dr. Nilufa Begum	Director, Research Training and Evaluation
17	Dipak Ranjan Roy	Director Extension	
Activities carried out	At 10.30-12.30, all National and International Excepts including John Woodford sit a meeting with Directorate of Livestock Services for formulate groups (three) consisting senior and midlevel DLS Officers to evaluate the existing situation of veterinary service. The questionnaire developed by John Woodford was elaborately discussed with the officers and distributed for self-evaluation of strengths and weaknesses of Veterinary Services.		
Achievements/ Results	Formulate DLS experts' groups to self-evaluation of PVS. Shared idea of prescribed questioners and collected those information for identify Gap analysis of animal origin.		

Workshop on Strengthening Capacities of the Department of Livestock Services' Regulatory Function related to Safety of Food of Animal Origin and Foodborne AMR Surveillance in Bangladesh

Agenda of

Expert Working Group 2: Veterinary enforcement function

12TH – 13TH March 2023, DLS, Dhaka

Date	Time	Activity	Responsible persons
12 th March	09.30 – 09.45	Prayer	Dr John Woodford
		Opening of Roundtable Meeting / Objectives & Outputs to be achieved	Expert Working Group members
		Introduction of Expert Working Group Members	
	09.45 -10.15	Summary of Main Findings of UNIDO Reports on DLS performance / enforcement capabilities, regulatory actions / recording of data / Incident management – Challenges & Gaps	John Woodford
	10.15 – 10.45	Tea / Coffee Break – Informal reflection on Summary of Findings during break amongst expert working group members	All
	10.45-12.30	<p><u>Expert Working Group Round Table Discussions –</u></p> <p>(1) How can the DLS Organogram be re-structured to reflect the operationalization of its core regulatory functions? – (30 minutes)</p> <p>(2) What are the required competencies of DLS to allow line managers and field-level inspectors to fulfil the existing mandates for veterinary control along the major livestock value chains? (45 minutes)</p>	All
12.30-13.00	Rapporteurs present findings – Main Gaps and Challenges – <u>Policy Options for internal dialogue</u>	Rapporteurs / All	
13.00-14.00	Prayers & Lunch	All	
	14.00-14.30	(3) What can be the next steps for improving the recording and data management system, e.g. adoption of policies, signing MoUs, licensing/registration and inspection of licensed premises, incident management, defining data framework for testing and development of sampling strategy, etc.?	All

Date	Time	Activity	Responsible persons
	1430 -1500	Rapporteurs presents findings – Main Challenges & Gaps – Internal (DLS) Policy dialogue – Incident management, Data recording and Information management	Rapporteurs / All

13 th March	09.00 – 09.15	Prayer Opening of Roundtable Meeting / Objectives & Outputs to be achieved – Coordination between Competent Authorities	Dr John Woodford Expert Working Group members
	09.15 -09.40	Brief overview of Challenges with DLS and other Competent Authority mandates for Food Safety Regulatory functions	John Woodford
	09.40 – 10.15	<u>Expert Working Group Roundtable Discussion</u> (4) Is it appropriate for the DLS to continue to be responsible for the food safety of animal products after they have been inspected and certified as being fit for human consumption? (i.e., transportation from processing establishments up to retail sale outlets) (30 minutes) – How can collaboration with other CA's be improved?	All
	10.15 – 10.45	Rapporteur presents findings – Policy Options for improving coordination between Competent Authorities –(External) Inter-Ministerial dialogue	
	10.15 – 10.30	<u>Tea / Coffee break</u>	
	10.30 –11.30	<u>Expert Working Group Roundtable Discussion</u> (5) What policy and legislative reforms are required to strengthen the DLS' food safety of animal products enforcement mandates? (1 hour)	All
	11.30- 12.00	Rapporteurs present findings – Main Gaps & Challenges – Policy Options for Policy and Legislative reforms	Dr. Rajiur Rahman/Dr. Khaleduzzaman
	12.00- 13.00	Summary of Outputs of Round Table Discussion EWG 2 – Policy Options for Internal and External (Inter-Ministerial) dialogue Prayers & Lunch	John Woodford / Mehedi Hossain/ Rajiur Rahman
	13.00 – 14.00	Prayers and Lunch	All

Pre-requisites for Round Table Discussions

1. Expert Working Group Members should have read and be familiar with the Gaps, Challenges and Recommendations identified / made in the following UNIDO Reports
 - 1.1 Gap analysis of legal and policy framework in the livestock sector by Prof. Samuel Godefroy
 - 1.2 Performance assessment of veterinary services by Dr. John Woodford

- 1.3 Food Safety Regulatory Landscape Study and Investment Plan by Michael Barry
- 1.4 Actor-based survey and data collection by Dr. S.M. Rajiur Rahman
- 1.5 Gap assessment of food safety incident recording and reporting system of competent authorities by Dr. John Woodford
2. Expert Working Group Members should be familiar with the following areas and pieces of legislation
 - 2.1 Animal Disease Act (2005) and Rules (2008) (Sections 15, 16 - 18, 29 and 31 of Animal Disease Act, Schedule 7 Diseases of Animals Rules)
 - 2.2 Animal Slaughter and Meat Quality Control Act (2011) (Sections 8 & 9 and Rules)
 - 2.3 Food Safety Act (2013) (Sections 29 and 30)
 - 2.4 Local Government (City Corporations) Act (2009), (Section 42 & Schedule)



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