Terms of Reference for consultancy firm to support DDA in conducting

“Quantification and consumption study of pharmaceuticals focusing antimicrobials”

Background

Department of Drug Administration regulates and ensure access to safe, effective, and quality essential medicines in the country. Currently, approximately 17,581 pharmaceutical products are authorised in the Nepalese market as a whole. Drugs are one of the important components in the delivery of health care. However, irrational use and antibiotic resistance are the emerging global health threat in the present context. Knowledge of the quantitative and qualitative patterns of drug use is a key element of information to rationalise the use of medicines, assess the risk-benefit ratio of a medicine and for decision-making on risk minimising actions for medicines. With the objective to provide an overview of key figures and latest trends with regards to the production, sales, marketing authorisations and consumption of pharmaceuticals including antibiotics, the present study is being planned. The present study will help to provide reliable nationwide data on quantification and consumption of pharmaceuticals including antimicrobials in the country and will help to develop and implement appropriate public health and drug management strategies accordingly.

Objective:

General:

- To estimate the national consumption, quantification and trends of pharmaceuticals especially focusing antimicrobials.

Specific:

- To estimate the quantity of imported drugs including antimicrobials.
- To estimate the quantity of local production including antimicrobials.
- To estimate the quantity of drugs procured by MOHP
- To estimate the quantity of drugs procured by collaborative programs and received on donations.
Specific terms of reference for the consultancy firm includes:

- Project Inception: Finalize the project execution approach. Discuss and agree on task assignment, work plan, timing of required inputs etc.
- Consult with DDA to study, conceptualize and finalize the study plan and data collection form.
- Collect information of the quantities, consumption and patterns of pharmaceutical especially antimicrobials consumption in the country by analysing the data from last three fiscal years using standardized methods from the following sources:
  
  o Import’s data (using data from custom records and declaration forms)
    ✓ Year of establishment
    ✓ List of principal companies of import of pharmaceuticals including antimicrobials also the discontinued companies during last three years.
    ✓ List of principal company wise pharmaceuticals including antimicrobials (Antibiotics, Antifungals, Antivirals, Antiretrovirals, Antiprotozoals including Malarial, filarial, Anthelminthes) registered with DDA. List of deregistered or discontinued antimicrobials, if any.
    ✓ Products/formulation/dosage form wise sales during last three fiscal years MRP including provisional import permit.

  o Production records of domestic manufacturers and repacking industries (exclude any exports of products)
    ▪ Year of establishment, commercial production
    ▪ Total production capacity based on 300 work days of 8 working hour per day
      • Powder, Dry powder, Granules, Suspension, Oral drops, Tablets, Capsules, Eye/Ear drops, Sterile LV/MV/SV; in Kg, Lit, Million
    ▪ List of registered/licensed products including antimicrobials in the market; list of products discontinued or deregistered.
    ▪ Products/formulation/dosage form wise sales during last three fiscal years MRP of products.

  o Public sector procurement records -both centralised and decentralised purchasing of pharmaceutical including antimicrobials for the public sector.

  o Collaborative program/Donations (Import other than trade)
    ✓ Name of organizations/institutions
    ▪ Name of collaborator/donor organizations
    ▪ Name of products manufacturing companies and country
    ▪ List of products
    ▪ Quantity of product/formulation/dosage form wise consumption
    ▪ Value of the contribution/donations for those medicines declared

  o Morbidity pattern through Medical recorders in Public, Private and NGO Hospitals (5 hospitals each) + data from Health Management Information System (HMIS)
Interview with Senior government officials, Consultants, General Practitioners, Paramedics to know the situation of therapeutic and drug management of medicines in the area of Neglected Tropical Diseases: (Leishmeniasis (Kala-a-zar) Malaria, Tuberculosis, Leprosy, Dengue etc) and Nuclear Medicines for Radiotherapy and Nuclear imaging.

- Submit the final activity completion report with statement of expenditure to WHO through DDA.

**Duration of assignment:** Jan 2019 to June 2019

**Deliverables**

Availability of data on quantification and consumption of medicines including antimicrobials in the country that will help in developing and implementing appropriate public health and drug management strategies.

**Payment conditions**
As per WHO Contract