

TERMS OF REFERENCE FOR INDIVIDUAL CONSULTANTS

Title: Immunization Supply Chain Consultant for Jakarta		Type of engagement <input checked="" type="checkbox"/> Consultant	Duty Station: 1 person based in Jakarta. <i>Consultant should be home-based and will not have assigned desk or office space.</i>
Purpose of Activity/Assignment: The purpose of this consultancy assignment is to provide support and technical assistance to the Government on Routine Immunization program at national level. The aim is to strengthen the immunization supply chain logistic system in EPI and Pharmacy Directorate of the Ministry of Health.			

Background:

Immunization is one of the key priority areas globally as well as in Indonesia. UNICEF continues its technical support to the Government of Indonesia (GoI) at national and sub-national levels to reach the immunization programme goals and targets in the comprehensive multi-year plan (cMYP) 2020-2024 and National Medium Term Development Plan (RPJMN) 2020-2024 goals through strengthening the national and local health systems. This also aligns with the Immunization Agenda 2030 (IA 2030).

Indonesia's health system reaches most children in their birth cohort of 4.3 million children a year with vaccines and other health services. However, Indonesia is one of the countries globally which had encountered stagnated vaccination coverage during the COVID-19 pandemic. The service interruption and reluctance among the parents and caregivers due to the COVID-19 pandemic resulted in a significant number of eligible children being unvaccinated. Many health workers reported high workloads with poor motivation due to various reasons. The pulse survey highlighted that health facilities reduced the frequency of vaccination sessions to cope with their high workload and other priorities. On the other hand, most health facilities and vaccine storage points at various supply chain levels experienced significant stock out of several routine vaccines.¹ Many children could not receive vaccines due to the closure of schools. All these issues unveiled the reasons for the high number of zero-dose children in Indonesia.

To support the implementation of COVID-19 vaccination, Indonesia conducted a cold chain (CC) capacity and gap assessment in early 2021, which showed that introducing massive number of COVID-19 vaccines had significantly impact the immunization supply chain (ISC) and cold chain storage capacity. Following the assessment, UNICEF supported the Government of Indonesia on the deliveries and installation of 85 walk-in cold rooms, 31 generators set and 300 refrigerators with the related spare parts across the country funded by Japan, JICA, and COVAX in 2022 and 2023.

Effective vaccine management (EVM) and immunization supply chain (ISC) management are becoming more challenging. The EVM assessment conducted in 2023 resulted highlighted several key areas for improvement both in vaccine management and immunization supply chain. The UNDP-supported SMILE tool has been rolled out to all levels of the supply chain; however, suboptimal utilization of tool and HR capacity have been highlighted during the review meeting with UNICEF's field offices. The Gavi audit recommended improvement in key performing indicators to understand the supply chain performance better.

As per the Ministry of Health's comprehensive plan 2020-2025, GoI has recently introduced several new vaccines for pneumonia (pneumococcal conjugate vaccine (PCV-13) in 2022, and in 2023 such as rotavirus vaccine for diarrhoea, human papilloma virus to prevent cervical cancer, inactivated polio vaccine 2nd dose (IPVs) and expanded the use of underutilized vaccines such as Japanese Encephalitis vaccine. All of these vaccines will have significant impacts on the immunization supply chain.

Therefore, MOH needs a competent consultant to provide hands-on and strategic technical assistance to strengthen the immunization supply chain.

¹ The Ministry of Health and UNICEF. 2021. Quarterly Survey to assess the continuity of routine immunization services using IVR technology.

² UNICEF and MOH. 2021. Quarterly survey to assess the continuity of immunization services during pandemic.

³ UNICEF and MOH. 2021. Effective Vaccine Management Assessment for the private hubs and provincial stores.

⁴ Vaccine Preventable Disease Surveillance, September 2023

This TOR is part of UNICEF support to provide technical assistance by appointing an individual consultant based in Jakarta, to support the strengthening of immunization supply chain logistic as part of the routine immunization program improvement. The assignment will focus on the temperature mapping, digitalization of the vaccine and cold chain management training for health workers, facilitate the follow up actions for the continuous improvement plan. Knowing the challenges, the GoI has requested UNICEF to continue its technical assistance to strengthen the immunization supply chain.

Scope of Work:

The supply chain consultant will provide technical support, advocacy and facilitate the required support at national and sub-national levels, including provision of technical assistance in assessing, analyzing and optimizing the immunization supply chain process for efficiency, effectiveness, and resilience. The consultant will be responsible for identifying bottlenecks, gaps, and areas for improvement within the supply chain to ensure the timely delivery and distribution of vaccines while maintaining quality standards, monitor the progress and provide feedback for improvement.

The MOH has requested UNICEF's support in strengthening the immunization supply chain logistic system across several critical areas.

- 1) **Provide technical assistance at national and sub-national level** focusing on immunization supply chain system to ensure good quality vaccines use in routine immunization program.
- 2) **Support and facilitate** the implementation of continuous improvement plan following the EVM assessment recommendation.
- 3) **Support** the development of relevant iSC standard protocols related to the immunization supply chain.
- 4) **Support** the capacity development initiatives on the effective vaccine and waste management for MOH.
- 5) Support **routine analysis of cold chain capacity** adequacy as well as cold chain management training.
- 6) **Support and facilitate** the temperature mapping, including training the relevant cold chain focal person at province and district level.
- 7) **Facilitate** the implementation of national logistic working group.
- 8) Provide strategic advice and course corrective actions, including adaptation of national routine immunization tools/guidelines to ensure the quality of immunization supply chain.
- 9) Collaborate with other health officer/health specialist in UNICEF Field Offices to ensure smooth program implementation.
- 10) Provide appropriate technical support on advocacy and socio mobilization coordination activities.
- 11) Final report (in narrative and ppt) with recommendation and lessons learned. Summarize the best practice, strategies and methods to strengthen the immunization supply chain of the routine immunization programme.

The consultant will be based in Jakarta with frequent field travels to sub-national levels.

Supervisor: Immunization Specialist from Health Section in Jakarta.	Start Date: 01 May 2024	End Date: 30 April 2025	
Work Assignment Overview			
Tasks/Milestone	Deliverables/Outputs	Timeline	Est Bgt
Conduct bottle neck and gap analysis of the immunization supply chain.	Report bottle neck analysis of the immunization supply chain. The report should cover: (1) The gaps identified based on the EVM assessment conducted in 2023 and consolidated as part of the EVM continuous improvement plan (cIP) (2) Recommendation for improvement.	31 May 2024	9%
Support establishment of the National Logistic Working Group and facilitate the processes to make it functional as per SOP.	Facilitate the periodic iSCL reviews with government counterparts and other partners with activity report.	By 30 June 2024	9%

<p>Support the immunization chain strengthening activities (development of relevant ISC standard protocols related to the immunization supply chain, temperature mapping, temperature monitoring studies and digitalization of vaccine and cold chain management).</p>	<p>Relevant immunization supply chain strengthening activities (SOP of the immunization supply chain, temperature mapping, temperature monitoring study and digitalization of vaccine and cold chain management) with plan for training and or orientation developed and implemented, and the report shared with pre and post evaluation on:</p> <ul style="list-style-type: none"> a) Workshop on orientation for ISC activities at the provincial level for pharmacy and immunization staff. b) A quarterly report on the progress of activities will be submitted for each quarter, outlining a summary of the progress of activities, and technical meetings. c) The field visit report will be available and shared with UNICEF internally and MOH as necessary. 	<p>By 31 July 2024</p> <p>31 Aug 2024</p> <p>30 Sept 2024</p> <p>31 Oct 2024</p>	<p>9%</p> <p>7%</p> <p>8%</p> <p>7%</p>
<p>Support the capacity development initiatives on the effective vaccine and waste management for MOH.</p>	<p>A quarterly report on the progress of activities, outlining a summary of the progress of activities, technical meetings.</p>	<p>31 Nov 2024</p>	<p>9%</p>
<p>Support and facilitate the implementation of continuous improvement plan immunization activities;</p>	<p>A quarterly report on the progress of activities, outlining a summary of the progress of activities, technical meetings.</p> <p>Any field visit report should be available and shared with UNICEF internally and MOH as necessary.</p>	<p>By 30 Dec 2024</p>	<p>9%</p>
<p>Support routine analysis of cold chain capacity adequacy as well as cold chain management training.</p>	<p>A quarterly report on the progress of activities, outlining a summary of the progress of activities, technical meetings.</p> <p>The field visit report should be available and shared with UNICEF internally and MOH as necessary.</p>	<p>By 31 Jan 2025</p>	<p>9%</p>
<p>Conduct advocacy meeting with the provincial governors, PHO, DHO, and Bupati to promote the strengthening of immunization supply chain. Undertake joint field visits to carry out monitoring and supportive supervision of immunization supply chain activities in selected province, district, puskesmas on; participate in periodic EPI reviews with government counterparts and other partners.</p>	<p>A quarterly report on the progress of activities outlining a summary of the progress of activities, technical and advocacy meetings.</p> <p>The field visit report will be available and shared with UNICEF internally and MOH as necessary.</p>	<p>By 28 Feb 2025</p> <p>31 Mar 2025</p>	<p>8%</p> <p>7%</p>
<p>Submit the final Report (narrative and PPT) highlighting major achievements, strategies used, best practices and lessons learned along with recommendation are submitted - to adopt for future use to strengthen the immunization supply chain at national and subnational.</p>	<p>Final reports, including narrative, PPT, relevant documents in excel sheets – highlighting major achievements, strategies used, best practices and lessons learned, challenges and recommendations are submitted.</p>	<p>30 April 2025</p>	<p>9%</p>
<p>Minimum Qualifications required:</p> <p><input type="checkbox"/> Bachelors <input checked="" type="checkbox"/> Masters <input type="checkbox"/> PhD</p> <p><input type="checkbox"/> Other</p>	<p>Knowledge/Expertise/Skills required:</p> <p>1. Public Health Expert with immunization, advocacy/communications, and data/information management experience.</p>		

1 UNICEF and MOH. 2021. Quarterly survey to assess the continuity of immunization services during pandemic.

2 UNICEF and MOH. 2021. Effective Vaccine Management Assessment for the private hubs and provincial stores.

3 Vaccine Preventable Disease Surveillance, September 2023

<p>Enter Disciplines: Medical Doctor, Nurse, Midwife, and Public Health Science, and or Health related subjects</p>	<ol style="list-style-type: none"> 2. Minimum 5 years of experience in Health, 3 of which is experience working in Immunization program. 3. High technical knowledge on immunization programs is preferred—good analytical, advocacy and conflict resolution skills. 4. Familiarity with country, government structures and public health system especially immunization stock management. 5. Able to work independently with minimal supervision 6. Self-motivated and results oriented. 7. Proven ability to deliver under tight deadlines. 8. Good report writing, fluency in Bahasa Indonesia (is necessary), and English, with computer skills.
---	---

1 UNICEF and MOH. 2021. Quarterly survey to assess the continuity of immunization services during pandemic.

2 UNICEF and MOH, 2021. Effective Vaccine Management Assessment for the private hubs and provincial stores.

3 Vaccine Preventable Disease Surveillance, September 2023