



## PROJECT IMPLEMENTATION PLAN

Reference No.: 201

<b>Date of Issue</b>	21 September 2023
<b>Project Code</b>	23-SN-04-GE-DMP-C-BD01
<b>Title</b>	Application of Lean Management Systems in the Chemical Industry
<b>Timing</b>	10 July 2023–31 December 2023
<b>Hosting Country(ies)</b>	Bangladesh
<b>Venue City(ies)</b>	Chittagong and Dhaka
<b>Modality</b>	Hybrid In-country
<b>Implementing Organization(s)</b>	National Productivity Organisation, Bangladesh and APO Secretariat
<b>Participating Country(ies)</b>	Bangladesh
<b>Overseas Participants</b>	Not Applicable
<b>Local Participants</b>	Not Applicable
<b>Closing Date</b>	Not Applicable
<b>Remarks</b>	This PIP supersedes the one issued on 6 July 2023 (Ref. No. 161) due to changes in one of the three Demonstration Companies.

<b>Objectives</b>	Establish demonstration companies on applications of lean management (LM) systems; showcase the processes and tangible results of productivity improvement and innovation resulting from the application of productivity tools and techniques; and use them as reference benchmarks for productivity improvement through LM systems in other members.
<b>Rationale</b>	In Bangladesh, excessive use of chemicals and unsustainable water consumption are becoming pressing concerns for industries. Sound management of chemicals and waste can ensure sustainable production, which is a key contributor to meeting the SDGs. This project will introduce LM systems for sustainable production practices in the chemical industry.
<b>Background</b>	<p>LM is an approach to managing and organizing work to improve the performance of organizations. Lean relies on delivering value from customers' perspectives, eliminating waste, and continuous improvement. This approach results in small, incremental, but continuous changes in processes, adding value through efficiency and quality improvement.</p> <p>There has been a significant increase in the use of imported chemical inputs and related products in the past 10 years in Bangladesh. It is estimated that imports accounted for 70% of chemical demand and 3.5% of the total import value just before the pandemic. The chemical industry faces several challenges such as the lack of a legal framework including supervision and chemical inventory.</p> <p>It is expected that LM system applications will help three demonstration companies under the Bangladesh Chemical Industries Corporation (BCIC) to improve their productivity through waste identification and streamlining business processes.</p>
<b>Topics</b>	Current challenges and opportunities related to LM systems; Setting strategies and tracking progress in boosting overall efficiency and reducing loss and waste while improving production processes; and Workshops, training, and consultancy on LM systems.
<b>Outcome</b>	Demonstration companies that improve productivity through LM systems will be established; processes and results of productivity enhancement through LM systems will be disseminated; and reference benchmarks for productivity improvement through LM systems will be established.
<b>Qualifications</b>	<p>This project will be implemented in the following demonstration companies under the BCIC:</p> <ul style="list-style-type: none"> <li>- Bangladesh Insulator and Sanitaryware Factory Limited;</li> <li>- DAP Fertilizer Company Limited; and</li> <li>- Triple Super Phosphate Complex Limited.</li> </ul>

Please refer to the implementation procedures circulated with this document for further details.



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Secretary-General