

Asian Productivity Organization

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**National Productivity Organization (NPO)
Pakistan**

Project Implementation Plan

12-IN-13-GE-TRC-B/C:

National Training Program on Total Productive Maintenance

(follow-up to the Training Course on TPM for Industry, Bangladesh, 8–12 April 2012)

1. Background

Total productive maintenance (TPM) is an approach to utilize machinery and related manpower resources effectively and efficiently. It combines the practice of preventive maintenance with the concepts of total quality management and total employee involvement. It leads to management systems for equipment maintenance which optimize effectiveness, eliminate breakdowns, and promote autonomous operator maintenance through day-to-day activities. TPM has been recognized as an essential part of world-class manufacturing, especially machine-based manufacturing. This can help enterprises to achieve a competitive advantage in global markets in terms of cost, quality, and delivery.

The APO held a five-day training course in Dhaka, Bangladesh, in April 2012 where the participants were trained in various tools and strategies to undertake TPM in their corporations and organizations. That project was well received, and the APO recognized that TPM was an effective approach to strengthen industries in member countries. Currently, however, TPM is not widely utilized due to a lack of knowledge, technical know-how, and management commitment.

The National Productivity Organization (NPO) of Pakistan has expressed interest in organizing an in-country training program to develop a pool of TPM practitioners and consultants. This Project Implementation Plan (PIP) is for the organization of a national program to disseminate and apply similar learning. It will be held in Pakistan as a follow-up to the multicountry training course in Bangladesh to widen and deepen the impact of that project.

2. Type of Project:

National-level dissemination training course (three days)

3. Objective:

To provide participants with practical approaches to implement and apply TPM in industry.

4. Number of Participants:

There will be 30 local participants.

Target Participants: Managers, engineers, supervisors, and other operational personnel from production, manufacturing, engineering, and maintenance.

5. Timing:

29–31 August 2012

6. Venue:

Faisalabad Chamber of Commerce and Industry, Faisalabad, Pakistan

7. Implementing Organization:

This project will be implemented by the NPO Pakistan in close collaboration with the APO Secretariat.

8. Roles and Responsibility:

The roles and responsibilities of the NPO Pakistan and APO are:

NPO Pakistan

- Organize a three-day national training course in Faisalabad Chamber of Commerce and Industry, Faisalabad, Pakistan.
- Assign a program manager and local coordinator(s) to organize the course (e.g., meeting room, participant administration, training materials, site visit, and logistics).
- Assign local resource speakers, if any.
- Provide administrative and logistic support not covered by the APO.

APO

- Assist the NPO Pakistan in finalizing the course content in consultation with the expert.
- Assign international resource speakers.
- Provide financial support to cover a portion of expenses related to the national training course as detailed in section 10.

9. Methodology:

Lectures, small group discussions, factory visit, and assessment examination.

It is advisable to involve the local participants who attended the previous multicountry training course in Dhaka, Bangladesh, in April 2012. These participants should play a central role in facilitation and guidance during the training program and assist the expert.

10. Financial Arrangements:

a) The expenses to be borne by the APO include the following:

- i) All assignment costs of international experts.
- ii) Implementation costs listed below (up to a maximum of USD6,000 as stated in the project proposal):

Item	Amount (USD)
1. Meeting package including meeting room with training facilities and necessary stationery, materials, and documentation. (USD50.00 × 30 persons × 3 days)	4,500.00
2. Preparing and compiling training material sets for all participants	900.00
3. Renting multimedia equipment for the 3 days of the project	500.00
4. Transportation costs for the site visit (e.g., bus)	300.00
Total	6,200.00

The APO will pay implementation costs up to USD6,000.00 toward the training course, and the NPO will cover any other local implementation costs not covered by the APO.

b) The NPO will meet the following expenses:

- i) Any other local implementation costs.

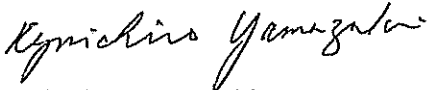
Note: Accounting Procedures for Implementation Costs

1. The APO will advance 50% of the total amount to the NPO, if necessary.
2. The NPO will make expenditures for the designated items and settle the entire account by providing all necessary bills and receipts to the APO after completion of the national training program. The final payment will be made based on the actual expenditure.

11. Final Project Output:

The project is expected to create a pool of TPM practitioners in Pakistan. Upon completion of the project, the NPO will undertake the following:

- Submit a comprehensive report on the training course detailing how the project was carried out in the country, explaining its benefits and advantages to local industries with numerical data, and describing the technical guidance and consultancy that can be offered by the NPO. **The report is to be submitted one month after the completion of the project.**
- Submit a publication, e.g., newsletter, brochure, or bulletin, written in English or the local language.
- Disseminate the knowledge and experience gained to the public and private sectors through publications, consultancy, and training services.


Ryuichiro Yamazaki
Secretary-General