UNECE

Guidelines and Best Practices for Micro-, Small and Medium Enterprises in Delivering Energy-efficient Products and in Providing Renewable Energy Equipment in the post-COVID-19 Recovery Phase





GUIDELINES AND BEST PRACTICES FOR MICRO-, SMALL AND MEDIUM ENTERPRISES IN DELIVERING ENERGY-EFFICIENT PRODUCTS AND IN PROVIDING RENEWABLE ENERGY EQUIPMENT

ECE Energy Series No.69



UNITED NATIONS

Geneva, 2021

© 2021 United Nations All rights reserved worldwide

Requests to reproduce excerpts or to photocopy should be addressed to the Copyright Clearance Center at copyright.com.

All other queries on rights and licenses, including subsidiary rights, should be addressed to:

United Nations Publications
405 East 42nd Street, SO-09FW001, New York, NY 10017, United States of America
Email: permissions@un.org

website: https://shop.un.org/user/login?destination=content/author-questionnaire
Log in with your UniteID username and password

The findings, interpretations and conclusions expressed herein are those of the author(s) and do not necessarily reflect the views of the United Nations or its officials or Member States.

The designation of or reference to a particular territory or geographic area, or the use of the term "country" in this document do not imply the expression of any opinion whatsoever on the part of the United Nations concerning the legal status of any country, territory, city or area, or of its authorities, or concerning the delimitation of its frontiers or boundaries.

Mention of any firm, licensed process or commercial products does not imply endorsement by the United Nations.

United Nations publication issued by the United Nations Economic Commission for Europe.

ECE/ENERGY/135

UNITED NATIONS PUBLICATION
Sales no. E.20.II.E.39
ISBN: 978-92-1-117255-3
eISBN: 978-92-1-005255-9
Print ISSN: 1014-7225
Online ISSN: 2412-0022

FOREWORD

The COVID-19 pandemic has led governments to shut businesses, impose quarantines, and restrict mobility and social contact to contain the spread of the coronavirus. These necessary actions have brought economies of the world to a standstill. Businesses are suffering a loss of revenues, and financial commitments to suppliers, employees, lenders and investors are depleting their financial reserves. Reduced earnings expectations have weakened the outlooks for interest coverage and profitability.

Micro-, small and medium enterprises represent over 90 per cent of companies in the United Nations Economic Commission for Europe region and they generate over half of the region's collective gross domestic product. These enterprises are among the worst hit financially and economic recovery depends on their resilience. Those companies that survive will be a driving force for post-COVID-19 recovery and building back better. Enterprises that deliver energy-efficient products and services and provide renewable energy equipment will be essential for a pivot to sustainability.

This publication assesses the business environment that MSME in clean energy face as a result of the pandemic. It presents examples of best practices related to crisis response and post-crisis recovery and offers practical measures to help businesses access markets, financing, and advanced technologies. The publication provides recommendations for policy guidelines to help countries move beyond the COVID-19 pandemic.

Olga Algayerova

Executive Secretary
United Nations
Economic Commission for Europe

ACKNOWLEDGEMENTS

The United Nations Development Account (UNDA) project entitled "Global Initiative towards post-COVID-19 resurgence of the MSME sector" was conceived to strengthen the capacity and resilience of micro-, small and medium enterprises (MSME) in developing countries and economies in transition to mitigate the economic and social impact of the global COVID-19 crisis. The United Nations Economic Commission for Europe (UNECE) was an implementing partner, and this publication has emerged from ongoing work under the project. One of the UNECE activities was to explore best practices and develop guidelines for MSME in delivering energy-efficient products and services and in providing renewable energy equipment in response to the COVID-19 crisis.

Andrey Dodonov was the main author of the report that served as a basis for this publication. He was supported by Vitaly Bekker. Oleg Dzioubinski, Scott Foster, and Igor Litvinyuk of the UNECE Sustainable Energy Division contributed to both the project report and this publication. Valuable contributions at various stages of research also were provided by respondents to project surveys and to the call for case studies, as well as from the UNECE Group of Experts on Energy Efficiency, which gave consideration to the main findings of the report at its seventh session held in Geneva on 22 and 25 September 2020.

CONTENTS

Foreword	iii
Acknowledgements	iv
List of Figures and Tables	vi
Acronyms and Abbreviations	vi
Executive Summary	vii
INTRODUCTION	1
1 ANALYSIS OF THE ENVIRONMENT THE CLEAN ENI AS A RESULT OF THE COVID-19 CRISIS	
1.1 General impact of COVID-19 on MSME	
1.2 The COVID-19 crisis and its impact on the MSME working1.3 Overview of specific conditions for MSME facing new work	
2 BEST PRACTICES RELEVANT FOR RESPONSE OF M AND POST-PANDEMIC RECOVERY	
2.1 Energy efficiency2.2 Renewable energy	6
3 PRACTICAL MEASURES FOR CLEAN ENERGY SECT GETTING ACCESS TO MARKETS, FINANCING, AND TECHNOLOGIES	ADVANCED
3.1 Case studies	
CONCLUSIONS AND RECOMMENDATIONS	20
REFERENCES	22
ANNEX – MEASURES TAKEN BY THE SELECTED UNECE TO SUPPORT MSME DURING THE COVID-19 PANDE	
Western and Central Europe	27
South-Eastern and Eastern Europe and Turkey	39

LIST OF FIGURES AND TABLES

Figure 1: Impact of the pandemic on MSME and large enterprises in Europe and globally	2
Figure 2: Availability of funds with MSME	3
Figure 3: Percentage loss in sales for MSME and self-employed	3
Figure 4: Share of pandemic-related business shutdowns in the selected States, by sector	4
Figure 5: Potential impact of pandemic on investments in different sectors	4
Figure 6: Opinion of MSME on governmental financial support measures	15
Table 1: Measures taken by MSME during the lockdown, by subregion	16

ACRONYMS AND ABBREVIATIONS

CIS - Commonwealth of Independent States

EC - European Commission
EIB - European Investment Bank

EU - European Union
FiT - feed-in tariff
GHG - greenhouse gas

H2020 - Horizon 2020 programme IT - information technologies

MSME - micro-, small and medium enterprises

R&D - research and development

UNECE - United Nations Economic Commission for Europe

USD - US Dollar EUR - Euro

ALL Albanian Lek AZN Azerbaijani Manat AMD Armenian Dram CHF Swiss Franc Czech Koruna CZK Danish Krone DKK GEL Georgian Lari **KZT** Kazakhstani Tenge MKD Macedonian Denar

预览已结束,完整报告链接和二维码如下:

https://www.yunbaogao.cn/report/index/report?reportId=5_786



