



**merSETA**

MANUFACTURING, ENGINEERING  
AND RELATED SERVICES SETA

## TERMS OF REFERENCE

**TVET 4.0 project:  
Development of Technical Mentors and funding for Solar  
Photovoltaic infrastructure for teaching and learning**

Document Title	Terms of Reference for TVET 4.0		
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## **1. BACKGROUND**

The merSETA is the Manufacturing, Engineering and Related Services Education and Training Authority established through the Skills Development Act (Act 97 of 1998). It is one of 21 SETAs that facilitates skills development for the metals & engineering, automotive manufacturing, motor retail, automotive components manufacturing, new tyre manufacturing and plastics manufacturing sectors. TVET 4.0 is designed to provide entry, intermediate and high-level skills to the emerging solar photovoltaic energy industrial sector. The project responds to:

- supporting the structural economic transformation and the inclusive growth agenda through skills to support reindustrialization, localization, manufacturing diversification, women in manufacturing, youth, SMEs and other entrepreneurship activities relating to emerging renewable energy skills.
- Jobs and occupations for the future, in the green economy.
- Advances in education, training and alignment of curriculum to new occupational qualifications.
- Strengthening the role of the SETA as an intermediary body to facilitate the transformation and responsiveness of TVET colleges to the emerging renewable energy skills.

## **2. TVET 4.0 PROJECT OVERVIEW**

The TVET 4.0 project wishes to expand the footprint of accredited TVET colleges for the Solar photovoltaic occupational qualifications in the designated Renewable Energy Development Zones in South Africa. The project is created to support skills for the growth and sustainability of the green economy, particularly the Solar energy, through preparing TVET colleges for teaching and learning of the Solar Photovoltaic service Technicians occupational qualification. This is done through funding TVET colleges for SPVT infrastructure and developing a new generation of TVET lecturers /facilitators for teaching the qualification. The project also aims to test effectiveness of the use of digital learning platforms, as a delivery method for these qualifications. The development of the new generation of TVET lecturers will provide them with pedagogy, innovation and competitiveness in their teaching journey. These skills are required to enhance productivity and overall competitiveness to achieve skilled and competent cohort of learners.

## **3. KEY OBJECTIVES**

The primary objectives of this project are as follows:

- a. To identify, assess and partner with TVET colleges, by providing funding for infrastructure related to the Solar photovoltaic occupational qualification, for the purpose of teaching and learning.
- b. To develop three (3) qualified Electrical Engineering graduates into lecturers equipped with the pedagogy and required technical skills to teach the Solar Photovoltaic occupational qualifications.
- c. To get the participating colleges to obtain the QCTO accreditation for the Solar photovoltaic Service Technician, Solar photovoltaic Standalone Mounter, Solar photovoltaic Standalone Installer and Solar photovoltaic Standalone Service Technician occupational qualifications. This will enable the TVET colleges to offer these qualifications to future learners.
- d. To obtain an impact analysis report at the end of the project.

#### **4. DELIVERABLES**

A detailed disbursement schedule, consisting of milestone deliverables will accompany the Memorandum of Agreement that will be signed between the TVET college and merSETA.

Key deliverables are listed below for reference:

- Procurement and construction of Solar photovoltaic related infrastructure for the purpose of teaching and learning.
- Appointment of three (3) Technical Mentors (lecturers) per college to be trained as qualified lecturers.
- Six months reports on the project progress for the duration of the project.
- Completion of the Electrical trade and final assessment.
- Completion of the SPVT occupational qualification and final assessment.
- Completion and graduate on the Advanced Diploma TVT
- An impact analysis report at the end of the project.

#### **5. PROJECT/ CONTRACT PERIOD**

The contract period is three (3) years from the last date of signature of the Memorandum of Agreement.

#### **6. CONTENT OF SUBMISSIONS**

- 6.1. A proposal detailing the development plan of the Technical Mentors over and after the three years.
- 6.2. Budget for the Solar Photovoltaic teaching infrastructure and TVET lecturer/facilitator development.

#### **7. CLOSING DATE**

The closing date for submissions to be considered for this project shall be as per the DG window advert.

#### **8. EVALUATION PROCESS**

All submissions will be aligned to the new merSETA discretionary project evaluation process and procedure.

#### **9. NOTES TO APPLICANTS**

This section outlines basic requirements that must be met. Failure to accept these conditions or part thereof will result in your proposal being excluded from the evaluation process.

9.1 Recommended TVET colleges may be invited to present and discuss details of their proposals.

9.2 The merSETA will not be liable to reimburse any costs incurred by the applicant during the proposal submission and evaluation process.

## **10. GENERAL**

10.1.1 Applicants should respond to the merSETA discretionary grant window advert and apply as per the requirements of the NSDMS system.

## **11. DISCLAIMER**

The merSETA reserves the right not to appoint a TVET college for this partnership.

