

South African Renewable Energy Training Centre SARETC

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Background

- ◎ Need for for skills development in renewable energy broadly recognized.
 - IPAP 2
 - GIZ study on South African Wind Energy Center (SAWEC)
 - SANEDI study on Renewable energy center for research and development (RECORD)

Identified Maintenance technician training needs

Technology	2014	2016	2017
Wind	480	320	160
PV	60	114	36

Aspects of Project

- ◎ Curriculum Development
- ◎ Funding and creating the facility

Curriculum Development

- ◎ Feb-Nov 2011 – Development of curriculum requirements for wind turbine service technician using international standards and getting industry input,
- ◎ November 2011 – start QCTO process with merSETA
- ◎ July 2011 till current– curriculum development for PV farm maintenance and operation technician – using international standards and industry input

Progress of Funding

- ◎ July 2011 – get CPUT Management agreement for building a national training facility on CPUT property
- ◎ November 2011 – get merSETA, eSETA, CHEC, Northlink College, CPUT to write to DHET asking for support for SARETC
- ◎ February 2012 – get DHET agreement to consider funding a national training facility on CPUT campus

Progress of Funding

- ◎ June 2012 – CPUT applied for Infrastructure Grant funding from DHET
- ◎ June 2012 – CPUT applied for NSF funding from DHET
- ◎ Proposal on Corporate Governance completed and submitted to DHET

Summary of Project Status

- ◎ Renewable energy training facility to be built at Scania site on CPUT Campus
- ◎ Facility to be a national facility but part of CPUT
- ◎ Advisory board comprising industry, Seta's and secondary and tertiary educational institutions in Western, Eastern, and Northern Cape to guide its operation

Summary of Project Status - cont

- ◎ Stellenbosch University to provide operational support
- ◎ Waiting on DHET approval for capital expenditure of approximately R 80m

Curriculum Status

- ◎ Wind turbine service technician
 - Curriculum for SETA accredited course for CPUT mechatronics graduates developed – awaiting QCTO accreditation
 - Curriculum for CPUT Engineering qualification being developed
- ◎ PV maintenance & operation technician
 - Curriculum for SETA accredited course for FET level electricians being developed – QCTO program to start
 - Curriculum for FET colleges not yet developed

Curriculum Status - cont

- ◎ Biogas maintenance and operators
 - Suitable base qualification not yet identified
- ◎ Hold up at QCTO level – Need to see new CEO of QCTO to resolve issues.

Other ongoing matters

- ◎ GIZ supported study tour planned for October 2012 to equivalent training facilities in Germany.
- ◎ GIZ support for interim training needs in Germany agreed. Candidates currently being identified.
- ◎ Final corporate governance and operating structure still to be agreed with DHET
- ◎ Awaiting final DHET approval for capital expenditure
- ◎ Donor funding available, but waiting for DHET funding agreement to determine shortfall.

