Summary of Linkage Infrastructure, Equipment and Facilities Proposals

Queensland

Griffith University

LE0989487 A/Prof EM Gray; Prof JF Dobson; Prof PA Webley; A/Prof K Suzuki; Dr AL Dicks; Prof AK Dahle; Prof J Zhu; Dr BB Dhal; Dr GD Will

Approved Project Title **The National Hydrogen Materials Reference Facility**

2009 : $ 350,000

Primary RFCD 2914 MATERIALS ENGINEERING

Partner Organisations & Collaborating Organisations

Griffith University
Monash University
The University of Queensland
Curtin University of Technology
Queensland University of Technology

Administering Organisation Griffith University

Project Summary

Hydrogen energy technology is a vital element in the global response to climate change owing to increasing atmospheric carbon dioxide levels from burning fossil fuels. Hydrogen is a universal energy carrier that facilitates the transformation of energy from renewable and other sources for applications in industry, transport and homes. The National Hydrogen Materials Reference Facility is a multidisciplinary, state-of-the-art experimental facility for materials science supporting excellent research into advanced materials for hydrogen generation from fossil fuels and by solar means, hydrogen storage for automotive and stationary applications, hydrogen distribution and hydrogen end use, particularly in fuel cells that generate electricity.