



## FINAL PROJECT STATUS REPORT FORM

<b>Project Number:</b> RDG-07-25	<b>Task Force:</b> REDGTF	<b>Date of Project Status Update:</b> Jan 2011
<b>Title of Project:</b> Solar cooling for urban and remote rural applications		
<b>Lead Partner Country:</b> Australia		
<b>Participating Partner Countries and Organizations:</b> Australia: CSIRO, Rinnai Australia Pty Ltd, Sustainability Victoria India: TERI, Solar Energy centre, MNRE (Ministry of New and Renewable Energy), Thermax		
<b>Location of Project:</b> Australia: Newcastle, Melbourne and Adelaide India: Delhi		
<b>Project Manager Information</b>		
<b>Name:</b>	Dr Stephen White	<b>Phone:</b> 02 4960 6070
<b>Organization:</b>	CSIRO	<b>Fax:</b> 02 4960 6021
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<b>Actions Since Last Update:</b>		
<ul style="list-style-type: none"> <li>• The residential solar heating, cooling and hot water prototype is currently being tested “on sun” in the Newcastle solar airconditioning prototype test facility. Performance is being assessed with a second desiccant wheel containing a new desiccant material. A second pre-commercial prototype is ready for testing.</li> <li>• The solar/biomass hybrid refrigeration system components are being constructed and the system is being installed at the MNRE Solar Energy Centre near Delhi.</li> <li>• A food storage-life study has been conducted in the AusAID funded extension project. This has identified optimal storage conditions for small-scale mixed-produce applications such as that targeted in this project.</li> </ul>		
<b>Deliverables Since Last Update:</b> Milestones 9b (of the revised plan)		
<b>Date Completed:</b> 30.10.2010		
<b>Milestones Reached Over Lifetime of Project:</b>		



No	Description Milestone and Project Activities	Completion Date
1	Sorption cooling technology and product review (CSIRO)	30.12.2008
2	Solar collector technology and product review (TERI) #	30.01.2009
3	Confirmation of support from APP collaborator (TERI) #	01.05.2009
4	(a) Design of solar airconditioning prototype (CSIRO)	01.05.2009
	(b) Design of solar cool store prototype (TERI) #	30.08.2010
5	Hour by hour performance modelling (CSIRO)	30.06.2009
6	Construction of outdoor sorption cooling test facility (CSIRO)	01.05.2009
7	Experimental testing of the performance of sorption cooling system components (CSIRO)	30.06.2009
8	(a) Solar airconditioning control system development (CSIRO)	30.09.2009
	(b) Solar cool store control system development (TERI) #	30.08.2010
9	(a) Solar airconditioner key component procurement (CSIRO)	31.10.2009
	(b) Solar cool store key component procurement (TERI) #	30.10.2010
10	Solar cool store construction including solar cooling system and biomass gas-engine electricity generator (TERI) #	28.02.2011
13	Construction of solar airconditioning prototype (CSIRO)	30.04.2010
14	Solar airconditioner prototype testing and optimisation (CSIRO)	31.01.2011
<b>Expected Project End Date:</b> 28/2/2012		<b>Project Already Complete:</b> No
<p><i>Please provide url address for where activity can currently be found along with new name and/or identification number of project (if applicable).</i></p> <p><i>Not applicable</i></p>		
<p><b>New Contact Information: (If different from above)</b></p> <p><i>As above.</i></p>		
<p><b>Other Information:</b></p>		

Please attach any supplemental project information to this form.