

**PROJECT REFERENCE**

Assignment Name: <b>Habitat solar PV grid-connected system</b>		Country: <b>Namibia</b>
Project Location: <b>Namibia</b>		Professional Staff provided by your Firm (Specialisation): <b>Renewable Energy Expert</b>
Name of Client: <b>GS Fainsinger (for National Housing Enterprise)</b>		No of staff: <b>1</b>
Address: <b>PO Box 2142 Windhoek Namibia</b>		No of staff months/Duration of Assignment: <b>1 staff month 9 months</b>
Start Date (Month/Year): <b>05/2002</b>	Completion Date (Month/Year): <b>12/2004</b>	Approx value of Services (Current US\$): <b>\$9,000</b>
Name of Associated Consultants (if any):		No of Months of Professional Staff provided by Associated Consultants:
Name of Senior Staff Involved and Functions Performed: <b>Axel Scholle – Design and technical specifications, grid-interconnection standards, metering concept for grid-connected systems, Interaction with local authorities Erika Roedern – Technical specifications, research into standards, grid-interconnection standards</b>		
Narrative Description of Project: <b>The Habitat Centre is a unique development in terms of integrating architecture and landscape, and attempting a completely environmentally appropriate building by making use of old and used materials, natural materials, solar passive design, ambient lighting, energy efficiency and decentralised renewable power generation. The Habitat Centres sports Namibia’s first small independent power producer in the form of a solar PV grid-connected system.</b>  <b>Details of the project are:</b> <ul style="list-style-type: none"> <li>• <b>5kW<sub>peak</sub> polycrystalline solar PV array</b></li> <li>• <b>alignment to international standards</b></li> <li>• <b>quality of supply issues</b></li> <li>• <b>grid synchronisation requirements</b></li> <li>• <b>metering concepts for grid connection: Nett metering or separate metering</b></li> <li>• <b>present grid connection, protection, safety and metering issues to local authority and get approval.</b></li> </ul>		
Description of Actual Services provided by Your Staff: <ul style="list-style-type: none"> <li>• <b>Design and technical specifications</b></li> <li>• <b>Alignment to international standards</b></li> <li>• <b>Metering of independent power producer</b></li> <li>• <b>Negotiations with local authorities</b></li> </ul>		

Firm’s Name: **EMCON Consulting Group**