**Solar Panel Installation Design Work**

Chesterfield Royal Hospital are looking at costs to carry out preliminary design work for two Solar Panel installations on site.

Having already completed a desktop survey of the site potential for Solar Panel installations , the next step is to carry out a more detailed site survey to refine and consolidate the estimated costs, savings, and benefits. This should be a preliminary design only that would support a follow-on project development and detailed design should Capital funding be approved.

We require costs for carrying out the 1st preliminary design works for a technical survey at Chesterfield Royal Hospital Trust

Technical Survey to include the following:

* Technical review of site for solar PV Ground Array and Car Port proposed system
* Site Survey including
  + Report
  + Design liaison.
* Design Drawings to support all 2 applications (GM & Carports)
  + Layout drawings
  + PVSOL Report
  + HH Data Analysis
  + Engineering ,Procurement and Construction EPC costs

**Option 1 – Car Port**

Installing covered car ports on existing car parks is a good use of space. The canopies offer shading during the summer months and the option of electric car charging for additional revenue. The estimated car park coverage would provide a 2.6 Mw installation. At this size, again all the generated power would be absorbed internally. Estimated 2MW.

**Option 2 – Ground mount**

This option looks to use the remaining greenfield land at the top of the site. A Solar array of 3.4 MW would generate more energy that could be currently absorbed by the site and would provide some grid export during the summer months.