**Glebe Farm Sibford Gower – installation of 24 ground mounted solar panels**

**Design and Access**

The proposed panels are 24 REC all black solar panels 370 w, mounted on metal frames; the total height is 1.3m

They will be installed in two arrays of 12 panels at the top of field no 0181 on the attached plan, which is in use as pastureland. They will be protected from animals by an electric fence and will face south-west along the line of the existing hedge as marked, extending into the field 6 metres. The total dimensions of the installation area are 13 x 6 m (78 sq m).

The hedge to the north-east is a well-established 24m long field hedge height 2.2m along the edge of a chicken run and vegetable patch (see photos 1 and 2). This hedge will completely obscure the view of the installation from all neighbouring properties. The ground drops away to the south and the southern field boundary obscures all views in that direction; the installation will therefore only be visible from the air. A photo of a similar installation is supplied (photo 3).

The purpose of the installation is to provide power to two adjacent properties, Glebe Farm and Glebe Farm Barn both owned by the applicant. The total energy output is estimated at 6800 kwh per annum.

Both Glebe Farm and its Barn are grade 2 listed, and the installation is within the Sibford Gower Conservation area. There are no footpaths in the area.

**Access statement:**

Permanent access is not required. Access for construction will be from the farmyard and across the garden by hand.

**List of attachments:**

1. Block Plan scale 1:500 amended
2. Ground mount system: Mounting diagram
3. REC Twinpeak4 datasheet
4. Photo 1: hedgerow facing north
5. Photo 2: hedgerow facing south
6. Photo 3: similar solar panel installation