

TRADE SPECIFICATION

SOLAR PV

GENERAL

1. **BDW Trading Limited**

Barratt Homes and David Wilson Homes are trading names of BDW Trading Limited “the Company”.

2. **Clearing**

As part of this Trade Specification the Contractor is responsible for clearing up and safe removal of waste materials from in and around the house arising from the execution of their Works, ensuring that all waste materials are segregated and disposed of into the relevant tipper skips.

Failure to comply with this requirement resulting in the Company’s labour performing this task will result in contra charges being levied against the Contractor.

The Contractors attention is particularly drawn to the sections below which state where waste materials must be removed as work progresses..

3. **Contract Conditions**

The Contractors attention is drawn to the Company’s Conditions of Contract and General Terms.

4. **Defective Workmanship**

All defects arising from poor workmanship by Contractors or, by the Contractor not carrying out the Works in accordance with this Trade Specification, are to be remedied by the Contractor at no cost to the Company.

Failure by the Contractor to carry out this contractual obligation resulting in an alternative Contractor being instructed to carry out such remedial work, will incur the Contractor with the cost thereof.

Should any element of work, undertaken by a preceding trade, be considered deficient and inhibiting progression by this trade, all such defects must be brought to the attention of BDW Site Management for remedy prior to the commencement of the works.

5. **Governing Documents**

The documents below must be used for reference in compliance with the Company’s standard working drawings and construction best practice guide. The Contractor is to ensure that all current versions are followed.

6. **All materials, equipment, accessories and workmanship shall fully comply with the latest edition of the Building Regulations for Solar PV installations and current amendments. Group Suppliers**

The Contractor should be aware that the Company operates National Commodity Agreements with a number of nominated suppliers, as listed below. It is the Contractors

responsibility to ensure that these agreements are adhered to. Failure to do so may lead to the Company making a claim from the Contractor for any loss of rebate.

Commodity: Solar PV Panels

Eco2 Solar

Unit 8, John Samuel Building,
Arthur Drive, Hoo Farm Industrial Estate,
Kidderminster, DY11 7RA
Tel 01562 745265

UPOWA

Unit 9, Fulcrum 1, Solent Way,
Whiteley, PO15 7FE
Tel 02380 406227

No other manufacturer's products are to be specified unless otherwise stated in the following Schedule of Materials.

7. Health & Safety

All operatives are to be inducted on site in accordance with Barratt Health and Safety Policy.

It is the responsibility of the contractor to provide their own PPE Equipment which must be worn at all times while on site. All necessary PPE based on your assessment of risk or where required by statutory provision or site rules to be supplied by contractor.

All operatives are to be in possession of a valid CSCS Card.

No 240v tools are allowed on site.

The Contractor MUST provide relevant Health and Safety, Solar PV Risk Assessments, Method Statement and relevant COSHH sheets.

Manual Handling Assessments shall be provided when requested.

8. Materials

It is the Contractors responsibility for checking materials delivered directly to site for any damage, colour variation and correct quantities prior to unloading. Should significant quantities of damaged materials be identified, these must be reported to the supplier before accepting the consignment.

The Contractor is responsible for unloading, protecting and safe storing all of their own materials to avoid damage and surface contamination.

The Contractor must ensure that all materials are satisfactory for use and have not been subject to deterioration and confirm to the relevant BSS, if applicable or Agreement Certificates, NHBC and Local Authority requirements.

The Contractor is responsible for ensuring that all materials are suitable for the works, that materials are not damaged and that there are no significant colour variations to the products

installed. The Contractor must inform the Site Manager immediately following the identification of such defective materials so that any follow-on trades can be made aware should temporary fitting and re-fitting be required that impacts on these Contractors.

Failure resulting from the Contractor using unsuitable or damaged materials will result in the Contractor being liable for any costs in rectifying the same.

9. **Manufacturers Products**

The Contractor must make themselves aware of Manufacturer's products and fixing instructions at the tendering stage as no claim for want of knowledge will be entertained. All technical issues must be resolved before work commences on site.

10. **Site Condition**

The Contractor is to examine the drawings, visit the site in order to ascertain position of site office, compound, electricity and water supplies.

Accessibility may vary depending on the location, weather conditions and such like. These factors must be taken into consideration at tender stage as no claims will be entertained for additional costs due to adverse site conditions.

11. **Sub-Contractor**

The Contractor must not further sub-contract any part of the Works to another Contractor without the prior knowledge and written approval of the Company.

It is essential that the Contractor liaise with all other trades associated with the Works to ensure the sub-structure is installed correctly and appropriately prior to work being carried out, including but not limited to:

Carpenter

The Carpentry Contractor is to construct a working platform above loft insulation using approved loft legs in readiness for the installation of the electrical switchgear and inverter.

The Carpentry Contractor is to construct patressing in the roof void for the installation of the PV inverter.

Electrician

Houses

Where the inverter is located in the loft space, then the Solar PV Contractor will provide DC cabling from the PV array to an inverter within the plot and is responsible for connection and testing. Where the inverter is located elsewhere or DC strings need to be buried in the walls, this is to be installed by the Electrical contractor at first fix. If the inverter is located outside the loft space, the Contractor is required to mechanically protect buried DC cables with steel containment complying to wiring regulation 522.6.204 or use an armoured cable suitable for DC use, for example use PV Ultra Steel Wired Armoured (SWA) cable for connection and testing by the Solar PV Contractor.

The Electrical Contractor is to provide the 6mm 2 core and earth cable to be run from the mains board (0.5m left coiled in the mains board) to the loft space making sure this is run to the closest vertical truss to the loft hatch with 2m coiled above the insulation in accordance with Group Standard Details.

The Electrical Contractor is to supply and install 16A double pole, Bi-directional B Curve RCBO Type A.

Apartments – Depending on size of solar PV array

The Electrical Contractor is to provide the suitably sized 2 core and earth cable to be run from the mains board (0.5m left coiled in the mains board) to inverter location.

The Electrical Contractor is to supply and install suitably sized RCBO.

Roof Tiler

The Roof Tiling Contractor will be required to leave roofs constructed with interlocking tiles at felt and batten stage. Where slate is being used, the Roof Tiling Contractor will need to liaise with the solar PV installer so that the required amount of slate can be laid before PV installation.

The Roof Tiling Contractor is responsible for cutting tiles to fit uniformly over the top and side flashings on the solar panels. The Roof tiling Contractor is responsible for dressing down the bottom apron flashing to seal the system from driving rain and wind uplift.

1. QUOTATION

- 1.1 A lump sum, fully inclusive of all labour, plant and materials, fixed price quotation for the supply and installation of **Solar PV** in accordance with the Group Suppliers and Distributors (noted above), the enclosed drawings; this scope of works and the enquiry documents is required.
- 1.2 Your quotation for the Works is deemed to include all necessary,
 - (i) all equipment and materials necessary for the complete Solar PV installation,
 - (ii) labour,
 - (iii) supply of materials to Site,
 - (iv) protecting materials on Site,
 - (v) distributing materials to Plots
 - (vi) connecting up,
 - (vii) testing,
 - (viii) commissioning,
 - (ix) leaving in a serviceable condition,
 - (x) providing record drawings,
 - (xi) inspection and
 - (xii) completion certificates.
- 1.3 Clarification must be sought to any variance in this trade specification, drawing specification and manufacturers' details prior to submitting your tender, as no claims for want of knowledge will be entertained.

- 1.4 Extra-over rates for all labour and materials must be provided within the tendered quotation as may be required on a 'day work' variation.
- 1.5 The Contractor is responsible for the printing, copying and distribution of all trade specifications, manufacturer's drawings as necessary to its installation teams.
- 1.6 The Contractor is to include final commissioning prior to legal completion within the tendered quotation.

2 WASTE REMOVAL & CLEANING OUT

- 2.1 The contractor must ensure that waste from their work activities is minimised and materials are reused where practicable.
- 2.2 Waste generated should be segregated and disposed of into the relevant tipper skips, it is the responsibility of the contractor to request appropriate and sufficient tipper skips to be sited in close proximity to their working area. If cross contamination of skips is observed and is as a result of the contractor's inappropriate management of waste, a contra-charge will be applied.
- 2.3 All plots, garages and scaffolds must be cleaned by the contractor upon completion of the works and the area left free of materials or debris created by the works.
- 2.4 Upon completion of the contract (or defined sections thereof), the Contractor will clear from site all stored materials, equipment, site accommodation, etc., no longer required, without delay.
- 2.5 Waste removal and disposal must be in accordance with all current UK legislation.
- 2.6 We reserve the right to contra-charge the Contractor for the cost of excessive removal of the Contractors' waste, including waste resulting from damage to materials in their care, plus an administration fee of 20%.

3 STATUTORY REQUIREMENTS

- 3.1 The Contractor shall comply with all statutory regulations of government e.g. Health and Safety Act, local authority, electrical supply authority, fire prevention office or any other interested parties.

4 ACCREDITATION

- 4.1 The Contractor must submit, at the time of submitting the tender, details of the manufacturers accreditation to one of the following organisations:
- 4.2 Microgeneration Certification Scheme (MCS)

5 PHOTOGRAPHIC EVIDENCE

- 5.1 The Contractor should be aware that images of the PV array and inverter will be included in the plot's photographic evidence report. The images will be checked for design and installation compliance by BDW, an approved SAP Assessor, building control and made available to the customer on legal completion.

TRADE SPECIFICATION**SOLAR PV**

This Specification Agreement relates specifically to the Company's development at

I confirm that I have read and understood the foregoing Specification and any necessary associated documentation referenced, such as standard specifications, drawings or quoted details and that my prices include for all items contained therein and will "Remain Fixed" for a period of:..... as outlined in the Enquiry letter.

SIGNED:

FOR AND ON BEHALF OF:

.....

DATE:

N.B. The contractor is to sign this Agreement and return it with their Quotation. Any prices received without this Agreement will be excluded from consideration.

Revised: Rev C – 1 January 2025.