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Hazelmead Community Energy

Battery Installation - Invitation to Tender



Project Background Hazelmead Community Energy (HMCE) has been set-up to deliver a solar PV microgrid for the Hazelmead Community Housing Scheme that comprises 54 properties built to Passivhaus standards in Bridport, Dorset. The scheme has full planning and is being developed by Bridport Cohousing (<http://bridportcohousing.org.uk/>) with the support of Bournemouth Churches Housing Association. This tender package covers the battery elements of the work and other packages are being tendered in parallel.

Tender Timelines The tender timelines are set to ensure HMCE can submit a grant application at start April:

- Tenders Out: 15th March 2019
- Tenders Back: 31st March 2019

Hazelmead Development Timelines

- Finalising Main Contractor/ Funding – June 19
- Expected Solar PV installation – Spring/ Summer 2020

Other Details The selection of the successful contractor will be based on an objective assessment of the received quotes with a 40% weight given to cost, 20% to quality and 40% to confidence.

Please send the tender to damon@cepro.co.uk

General/background

- This tender is for delivery of a fully functional Battery Energy Storage System as part of a microgrid. The whole development is treated as a communal private grid and is designed accordingly.
- Initial design work has been undertaken to create the below specification and design.
- Ensure compliance with all CDM & HSSE & Building Regs & Appropriate Industry Standards
- Respondents MUST be accredited partner installers from their chosen battery system manufacturer

Specification of Battery Energy Storage System

- We require a system with min 200kW/400kWh.
- You must complete the full list of work activities found in the manufacturers “Construction Checklist”
- Suitable GRP Controls cabinet - Novated supplier EnclosureTec
- Suitable G99 relay with integral battery meter - Novated supplier Macklins
- Equipped with revenue generation FFR controls cabinet - eg. A Limejump control panel
- Three phase DB cabinet for local power distribution - eg. Schneider Acti 9
- Battery system fully connected to the (out of scope) main distribution board
- Provision of G99 testing on site (DNO to witness) and compliance certificates and labels
- All online monitoring and metering connected and working properly
- All electrical elements required to pass the manufacturers commissioning process successfully

Out of scope or by others

- DNO formal Export connection offer/agreement by CEPRO
- Installation of the grid connection and Schneider main distribution board by ICP
- Site O+M manual by CEPRO
- G99 witnessing by WPD

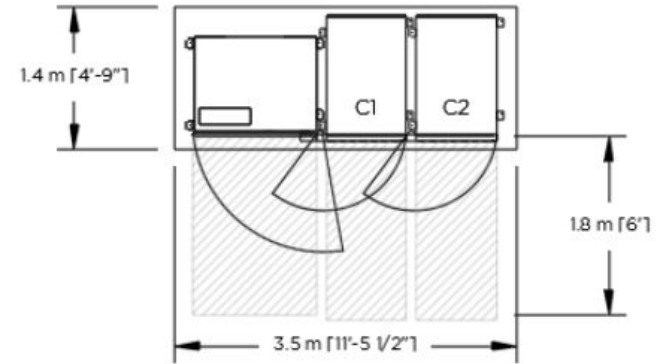
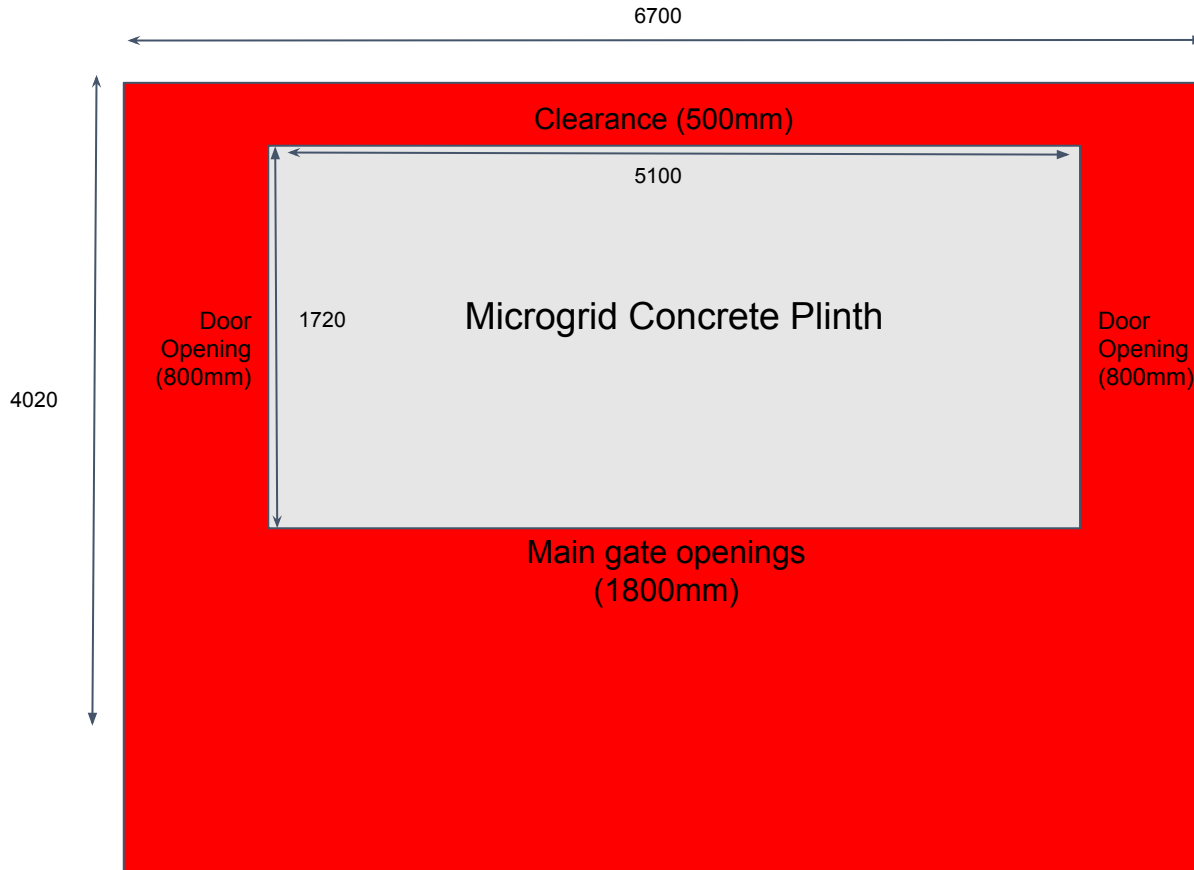
Items requested in the quote

- A pricing spreadsheet has been provided. Please adhere to this format when responding.
- Please price on the basis that the installation would be carried out during the 1st half of 2020
- Exclude the cost of any work to support the WPD grid application in your main installation price
- As necessary provide any supporting design information bearing in mind the specification.
- Provide details of any equipment you are specifying and warranties where this differs or is not provided by this specification
- Please provide details of your standard payment schedule e.g. deposit etc

Other/ Further Details

- It is expected that the contracting would be completed in the summer of 2019, once the outcome of the grant is known, the share raise completed and be finalised along with the Main Contractors contract.
- The management of the installation and oversight would be through the main contractor/ the main build process with pass-through invoicing to HMCE.

Leased space (including access clearance)



Hazlemead Microgrid Sketch

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