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| **Company Name** | Abraham Moon and Sons Ltd. |
| **Company Address** | Netherfield Mills  Leeds, West Yorkshire  UK  LS20 9PD |
| **Company Contact** | Mr. Trevor Durant |
| **Description of Company Activity** | Manufacturing of textiles. |
| **Objective of the proposed project (Please explain what is required in the project) (max 250 words)** | Replacement of exiting fixed speed ABB motor drive with 45kW AC 4 pole Motor and energy saving vector inverter (Variable Speed Drive).  The motor is to be installed at the same location as the current unit and will involve the replacement of the current control system. |
| **Tenders are Invited from suppliers who can provide the necessary skills and expertise to deliver the specification**  **Suppliers will be bidding for a project that is part funded by the European Regional Development Fund as part of the European Structural and Investment Growth Programme 2014-2020.** | Scope of works required as below:   * Replace the existing main ABB motor drive with a 45kW AC 4 pole Motor and energy saving vector Inverter * The motor to be mounted in the existing position with new motor rails, new bush to existing drive pulley and guards adjusted to suit to maintain their integrity * Speed selection from touch screen and clear display of frame main shaft speed. Current control system needs to be updated to allow speed selection to be made * Control of existing False Twist motor is required from the main control panel. * Encoder mounted on Ring rail for speed control relative to position * Controls supplied in control cabinet, floor mounted * Control panel air conditioning unit * Air pressure switch will activate in the event of a drop or loss of air pressure and the frame stop circuit will be activated. * Record of running times, as per the other frames * Emergency stop relay and circuit in accordance with BS EN 60204, e/stop button on main panel and one remote e/stop station on the spinning frame at Pneumafil end. * Pneumafil only start button at the Pneumafil end and on the main panel. * Emergency stop reset button located on main panel. * Manual doff button mounted on main panel * PLC for input/output control * Power on lamp * Panel Isolator * Built to BS EN 11111, BS EN 60204, Machinery Safety Directive and the EMC Directive |
| **Required project timescales (start and duration of project? )** | Project duration circa 2 weeks and complete date by 01/05/2021 |
| **Total Anticipated Project Value**  **(Please note that the procurement will only go ahead to contract once the funding has been agreed)** | c. £32,500 |
| **Required response date (this must be at least 10 working days from posting of advert)** | Please insert once it is known when project will go live. TBC |
| **How to apply? Contact SME.** | Please e-mail quotations to: trevor.durant@moons.co.uk   * Quotes need to show labour and parts separately * Payment terms need to be stated * At least 10% will be retained for payment up to 30 days following successful commissioning |
| **Criteria for decision making**  **(Examples of Assessment Criteria could include:**  **Price**  **Expertise fit**  **Timing Fit**  **Suitability of proposed methodology)**  **Weighting of the criteria to be determined by SME** | |  |  | | --- | --- | | Criteria | % | | Suitability of proposal | 40% | | Textile engineering knowledge | 20% | | Price | 20% | | Terms | 10% | | Warranty | 10% | | Total | 100% | |
| **Scoring** | **Price**  The lowest priced tender will score full marks and other tender scores will be calculated on the basis of their deviation from the lowest. For every 1% a price is higher than the lowest, 1% of the score will be deducted from that tenderer’s score. The minimum score will be 0. For example:   |  |  |  | | --- | --- | --- | | Lowest gets full marks - all others 1% off the score for every 1% higher than lowest | | | | Tenderer | Price | Score | | Tender A | £32,500 | 30 | | Tender B | £40,000 | 20 | | Tender C | £50,000 | 10 | | Tender D | £60,000 | 5 | | Tender E | > £60,000 | 0 |   **Textile Engineering knowledge**  As the project is supporting a change to a textiles machinery process, suppliers that can offer industry knowledge and guidance, along with previous experience of working with these upgrades on similar machines will score highest.   |  |  |  |  | | --- | --- | --- | --- | | Split of total payment at deposit, pre-shipping and following 30 days successful commissioning | | | | | Tenderer | Engineering knowledge of yarn carding & spinning1 | Have completed similar projects previously2 | Score | | Tender A | Yes | Yes | 30 | | Tender B | Yes | No | 10 | | Tender C | No | Yes | 10 | | Tender D | No | No | 0 |   1 this is to be evidenced through visit of company to site to discuss the work they undertake and proof of competence of the engineering teams’ skill set  2 this is to be evidenced through sharing of case-studies / project review documents relating to similar projects completed on woollen spinning frames.  **Terms**  Terms which support cashflow in the business will be based on the following:   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Split of total payment at deposit, pre-shipping and following 30 days successful commissioning | | | | | | | Tenderer | Deposit | At Shipping | 30 days post commissioning | Score | | Tender A | 10% | 50% | 40% | 30 | | Tender B | 10% | 60% | 30% | 25 | | Tender C | 10% | 70% | 20% | 20 | | Tender D | 10% | 80% | 10% | 10 | | Tender E | > 10% | - | < 10% | 0 |   **Quality**  Quality related criteria will be scored on the basis of the following scale:   |  |  | | --- | --- | | 100% | In respect of each element of the Services identified in the question, the proposals fully explain how the relevant element will be delivered to the standards required, throughout the term.  The proposals are clear, precise and robust.  The explanation is sufficient to give a high degree of confidence that all of the relevant aspects of the specification will be delivered. | | 80% | In respect of each element of the Services identified in the question, the proposals explain how the relevant element will be delivered to the standards required, throughout the term.  The proposals are clear, precise and robust.  The explanation is sufficient to give a high degree of confidence that the relevant aspects of the specification will, for the most part, be delivered. To the extent that the explanation is not sufficient to give that high degree of confidence, the explanation does not raise concerns. | | 60% | In respect of each element of the Services identified in the question, the proposals explain, to some extent, how the relevant element will be delivered to the standards required, throughout the term.  The proposals are clear, but there are some concerns around precision and / or robustness.  The explanation is sufficient to give confidence that the relevant aspects of the specification will, for the most part, be delivered. To the extent that the explanation is not sufficient to give that confidence, the explanation raises one or more concerns but no material concerns. | | 40% | In respect of each element of the Services identified in the question, the proposals explain, to some extent, how the relevant element will be delivered to the standards required, throughout the term, but for certain elements the explanation is very limited.  There are concerns around the clarity, and around the precision and / or robustness, of the proposals.  The explanation is sufficient to give confidence that the relevant aspects of the specification will be delivered to some extent. To the extent that the explanation is not sufficient to give that confidence, the explanation raises one or more concerns, one of which is a material concern. | | 20% | In respect of one or more elements of the Services identified in the question, the proposals fail to explain to any extent how the relevant element will be delivered to the standards required, throughout the term; and / or the proposals are mainly or wholly unclear; and / or the explanation is insufficient to give confidence that the relevant aspects of the specification will be delivered and / or the explanation for any one or more of the elements raises multiple material concerns. | | 0% | No response or response is irrelevant to the question asked. | |
| **Date for Contract Decision (i.e. how long before the SME will inform the successful respondent)** | 15/04/2021 |