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|  | **Isles of Scilly Waste**  **Semi automatic Horizontal Baler**  Specification for Goods |
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|  | January 2023 |
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# 1. List of Drawings and Reference Materials

**Background**

The Council of the Isles of Scilly has undergone a major transformation in how it deals with waste & recycling across the islands in recent years. Previously, all waste was dealt with through an ageing incinerator plant which couldn’t keep up with demand, particularly during the peak summer months when our population trebles due to the influx of visitors and seasonal workers. At this time there was very little being actively recycled. Subsequently all waste material was stock piled on site and eventually resulted in a landfill closure notice being served by the Environment Agency.

In 2014, after receiving significant funding from Defra and with consultative support, the Council redeveloped the Porthmellon Waste Site into a modern waste management facility capable of accepting, storing and processing all waste and recycling arising from across the islands. Alongside the redevelopment the Council embarked on rolling out, for the first time, a recycling service for dry mixed recycling to residents on St Mary’s. This has seen our recycling rates increase from 27.3% in 2018/19 to 38.5% in 2019/20.

# 2. Specification

**Scope of Goods**

Here’s a breakdown of our requirements for Semi Automatic Hoprizontal Baler:

* Max length 5.5m
* Max width 1.5m
* Max height 2.7m
* Max machine weight 5 tonnes
* Loading aperture approx. 1.8m wide x 1m deep
* Material to recycle- cardboard/paper, plastic bottles, cans and tins, plastic and film
* Cycle time (dependent on waste stream) 40-80 seconds
* Servicing wear plates within bale chamber
* Ripping teeth within loading aperture
* Max bale size 1250x 800 x 1100mm
* Max bale weight 600kg
* Baler discharge- full ejection
* Baler chamber end either hydraulic portcullis door or swing open door
* Baler ejection to the right of loading aperturte
* To suit- power supply 32amp 3 phases
* Press force minimum 40 tonnes
* Wires/binding- 4/5 x horizontal easy feed wire ties
* Selection capability controls for different waste streams
* Emergency stops and warning decals as standard
* Ground fixing points
* Lifting points
* Servicing and maintenance support
* Video/remote staff training
* Service and maintenance manual
* Colour-blue
* To include delivery to TR18 4AH or TR20 8DU (Agreed when purchase confirmed)

**End of Specification**

# 3. Variations from the Specification (Variant Bids)

**The Council will not accept variant bids relating to this procurement.**

**Where variants are allowed the participants will need to identify how the solution proposed provides an equivalent result to the materials, items, processes, methods or other aspects outlined in this specification (and any accompanying documents) for each and every variation from the specification. The participant shall also identify the means by which the equivalence can be verified (independently) by the Contracting Authority.**