



Invitation to Tender

Supply of Granulation and

Dry Separation Plant

BIGTP062

1 Background/Introduction

Fresh Earth Technologies Ltd recover metals and plastics from waste cables.

We require a cable granulation plant capable of processing 1 tonne of cable per hour, the plant must be designed to handle SWA cable. The system should consist of a shedder, granulator and dry separation table. It should have over band or pulley head magnets capable of removing the steel armour from the cable prior to granulation. The separation table should be able to separate the heavy copper from plastic insulation 100% successfully.

The purchase of this machine is part of a grant funded application process and therefore procurement will be subject to grant approval of the project as a whole. We will compare tenders received on a compliance basis only.

2 Project Specifications

The plant needs to meet the following minimum specifications:

- Single Shaft Shredder with Hydraulic pushing Ram.
 - Rotor Speed: 60rpm
 - Rotor Diameter: 220mm
 - Rotor Blades: 23+4
 - Static Blades: 4
 - Ram chamber: 500mm
 - Discharge height: 490mm
 - Screen Diameter (holes): 40mm
 - Hard Material Rotor and Screen
 - Motor power: 18.5kw (25hp)
 - Hydraulic Power: 2.2kw (3hp)
 - Chamber size: 660x600 (mm)
 - Overall dimension: 1820x1300x1730 (mm)
 - Overall dimension: 72" x 51" x 68"

- Conveyor with Magnetic head Pulley.
 - 36" wide belt.
 - 40" overall width.
 - 72" discharge height @ 30° incline.
 - 156" long.
 - 138" long floor space.
 - 65 FPM
 - Easily discharge into granulator or Gaylord box.

- Heavy Duty Granulator
 - 40HP 460v/3ph/60hz electric motor.
 - Freestanding Control Panel
 - spare knives
 - 5/16" screen
 - Vacuum take-off bin.

- Approximate Weight: 5,000 lbs
 - Hopper Opening: 24"x30"
 - Chamber size: 13"x31"
 - Soft Start Electrical Starter
 - Automated in Feed Conveyor
- Material handling fan with cyclone, airlock, material handling pipes.
 - 5.5hp Blower
 - 1.75hp Rotary Airlock
 - Quiet operation
 - High pressure blower
 - Short cyclone with clean-out door.
 - 6"steel conduit with transition at inlet.
- Zig-Zag Separator
 - Top mounted rotary airlock valve.
 - Cyclone
 - Blower
 - Pipes
- turbo mill is designed to grind rigid and semi rigid materials into a fine particle sizes smaller than 1/16" in diameter
 - 50hp TEFC 360/230/460 3ph electric motor.
 - Carbon steel plate body.
 - Easily interchangeable steel wear plates and beater knives.
 - Clamshell Opening
- New Air separation system capable of separating up to 1800lbs/hr
 - 2.5 sq. ft. of separation area
 - Constructed in carbon steel
 - Full dust hood
 - 1hp TEFC 360/230/460 3ph electric motor
 - Power station mounted on pedestal including all disconnects and motor controls
 - 2 Stainless steel deck covers for the separation surface
 - Filter with filter-box providing a clean air supply to the separating table
 - Air conveyor system complete with material handling fan, 7.5hp 240/480v 3ph electric motor, cyclone with clean-out door, 4"steel conduit & flex conduit at joints.
- Conveyor with magnetic head pulley
 - 18" wide belt
 - 22" overall width
 - 54" discharge height @ 30° incline
 - 98" long
 - 94" long floor space
 - 1/2 hp drive motor
 - 65 FPM
 - Easily discharge into Gaylord box
 - Base Bin Hopper
- Single deck self-balancing Gyratory screener 24"

- 2 fractions
- M.S Construction
- Fitted with suitable S.S.304 screens
- Adjustable three plane motion
- Anti blinding PP rings
- Perforated sheet beneath the mesh
- Supported on steel base designed for floor mounting
- Vibrating assembly isolated by spring assembly
- Complete with 1/2 HP special vibrating totally enclosed motor 240v/480v-60hz 3phase electric motor.
- Top and bottom eccentric weights and lead scale indicator with top dust cover.

- Minimum 12 months warranty
- Delivery, installation and commissioning at Fresh Earth Technologies premises

3 ITT Timetable

The anticipated timetable for submission of the Quote and commission milestones are set out below:

Activity	Date
Date Invitation to Quote issued to suppliers	23/04/2021
Last date for raising queries	01/05/2021
Last date for clarifications to queries	03/05/2021
Deadline to return Quote	07/05/2021
Evaluation of Quote	08/05/2021
Award of Contract	This is subject to successfully obtaining grant funding and will normally be no later than 90 days from contract evaluation

4 Conflicts of Interest

Please provide a statement with regards to a conflict of interest for this procurement through the provision of either:-

A Declaration that to your knowledge there is no conflict of interest between your company and the Fresh Earth Technologies Ltd that is likely to influence the outcome of this procurement either

directly or indirectly through financial, economic or other personal interest which might be perceived to compromise their impartiality and independence in the contexts of this procurement procedure.

Or

A Declaration that there is a likely conflict of interest between your company and Fresh Earth Technologies Ltd that is likely to influence the outcome of this procurement either directly or indirectly through financial, economic or other personal interest which might be perceived to compromise their impartiality and independence in the contexts of this procurement procedure, please provide details of this connection.

This will permit Fresh Earth Technologies Ltd, that in the event of a conflict of interest, appropriate steps are taken to ensure that the evaluation of any submission will be undertaken by an independent and impartial party.

5 Exclusion

Fresh Earth Technologies Ltd shall exclude applicants from participation in this procurement procedure where they have established or are otherwise aware that the applicant, to include administrative, management or supervisory staff that have powers of representation, decision or control of the applicants company, has been the subject of a conviction by final judgment of one of the following reasons:-

- Participation in a criminal organisation
- Corruption
- Fraud
- Terrorist offences or offences linked to terrorist activities
- Money laundering or terrorist financing
- Child labour and other forms of trafficking in human beings

6 Consortium or sub-contracting

Where a consortium or sub-contracting approach is proposed, all information requested should be given in respect of the proposed prime contractor or consortium leader. Relevant information should also be provided in respect of consortium members or sub-contractors who will play a significant (greater than 25%) role in the delivery of the services under any ensuing Contract.

7 Tender Application Requirements

Please provide paper copies of your application which should include:

- Confirmation that you the supplier are able to meet the requirements outlined in the brief

above.

- Dated your response, used our company's full postal address (albeit your submission might be by email) and included the Reference: BIGTP062
- Details of who to contact in your company in relation to this tender
- Company registration Number and VAT number (if appropriate)
- Total cost of providing the goods/services requested in the format required with a breakdown to include the items in paragraph 2 above and:
 - Terms of Sale
 - Warranty Terms and Conditions
 - Time scale from Order to Delivery
 - Deposit and balancing Payment

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8 Tender Scoring Criteria

The quote will be scored only on their compliance to the specification set out in section 2 and awarded to the lowest compliant tender.

9 Tender Returns

Tenders may be returned by email or post, or by delivery in person.

Tenders are to be returned by:-

Latest date to be returned: 07 May 2021

Latest time to be returned: 1700 pm

If submitting by email, tenders should be sent electronically to

Geoff.pym@rgpenvironmental.com

with the following message clearly noted in the Subject box;

Supply of Granulation and Dry Separation Plant BIGTP062

Tenderers are advised to request an acknowledgement of receipt when submitting by email.

If submitting by post or in person, the Tender must be enclosed in a sealed envelope, only marked as follows:-

Tender - Strictly Confidential – **Supply of Granulation and Dry Separation Plant BIGTP062**

Addressed to:

Geoff Pym
Unit F
36 Normany Way
Bodmin
Cornwall
PL31 1EX

The envelope should not give any indication to the Tenderer's identity. Marking by the carrier will not disqualify the tender.

If delivery by hand please obtain an official Receipt at point of delivery.

10 Clarification

There will not be any negotiations of any of the substantive terms of the Tender Documents. Only clarification queries will be answered. Any clarification queries arising from the Tender Documents which may have a bearing on the offer should be raised as soon as possible in writing. The deadline for clarification questions is 6 days before the submission date. All e-mailed queries should be sent to:-

Name: Geoff Pym

E-mail: Geoff.pym@rgpenvironmental.com

No representation by way of explanation or otherwise to persons or corporations tendering or desirous of tendering as to the meaning of the tender, Contract or other Tender Documents or as to any other matter or thing to be done under the proposed contract shall bind us unless such representation is in writing and duly signed by Geoff Pym of Fresh Earth Technologies Ltd . All such correspondence shall be returned with the Tender Documents and shall form part of the Contract.

Tenderers must provide a single point of contact in their organisation for all contact between the Tenderer and Fresh Earth Technologies Ltd.

Responses to any queries will be shared through Supplier Registration Service website.

11 Disclaimer

The issue of this documentation does not commit Fresh Earth Technologies Ltd to award any contract pursuant to the bid process or enter into a contractual relationship with any provider of the service. Nothing in the documentation or in any other communications made between Fresh Earth Technologies Ltd or its agents and any other party, or any part thereof, shall be taken as constituting a contract, agreement or representation between Fresh Earth Technologies Ltd and any other party (save for a formal award of contract made in writing by or on behalf of Fresh Earth Technologies Ltd).

Bidders must obtain for themselves, at their own responsibility and expense, all information necessary for the preparation of their tender responses. Information supplied to bidders by Fresh Earth Technologies Ltd or any information contained in Fresh Earth Technologies Ltd's publications are supplied only for general guidance in the preparation of the tender response. Bidders must satisfy themselves by their own investigations as to the accuracy of any such information and no responsibility is accepted by Fresh Earth Technologies Ltd for any loss or damage of whatever kind and howsoever caused arising from the use by bidders of such information.

Bidders shall be responsible for their own costs and expenses in connection with or arising out of their response. Fresh Earth Technologies Ltd reserves the right to vary or change all or any part of the basis of the procedures for the procurement process at any time or not to proceed with the proposed procurement at all.

Cancellation of the procurement process (at any time) under any circumstances will not render Fresh Earth Technologies Ltd liable for any costs or expenses incurred by bidders during the procurement process.

12 Enclosures:

Compliancy Matrix BIGTP062

Specification breakdown	Company responses		
	Compliant response for each part of specification? Yes/ No	Compliant response for each part of specification? Yes/ No	Compliant response for each part of specification? Yes/ No
• Single Shaft Shredder with Hydraulic pushing Ram.			
- Rotor Speed: 60rpm			
- Rotor Diameter: 220mm			
- Rotor Blades: 23+4			
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- 36" wide belt.			

- 40" overall width.			
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- 156" long.			
- 138" long floor space.			
- 65 FPM			
- Easily discharge into granulator or Gaylord box.			
• Heavy Duty Granulator			
- 40HP 460v/3ph/60hz electric motor.			
- Freestanding Control Panel			
- spare knives			
- 5/16" screen			
- Vacuum take-off bin.			
- Approximate Weight: 5,000 lbs			
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-Soft Start Electrical Starter			
-Automated in Feed Conveyor			
• Material handling fan with cyclone, airlock, material handling pipes.			
- 5.5hp Blower			
- 1.75hp Rotary Airlock			
- Quiet operation			
- High pressure blower			
- Short cyclone with clean-out door.			
- 6"steel conduit with transition at inlet.			
• Zig-Zag Separator			

- Top mounted rotary airlock valve.			
- Cyclone			
- Blower			
- Pipes			
• turbo mill is designed to grind rigid and semi rigid materials into a fine particle sizes smaller than 1/16" in diameter			
- 50hp TEFC 360/230/460 3ph electric motor.			
- Carbon steel plate body.			
- Easily interchangeable steel wear plates and beater knives.			
-Clamshell Opening			
• New Air separation system capable of separating up to 1800lbs/hr			
- 2.5 sq. ft. of separation area			
- Constructed in carbon steel			
- Full dust hood			
- 1hp TEFC 360/230/460 3ph electric motor			
- Power station mounted on pedestal including all disconnects and motor controls			
- 2 Stainless steel deck covers for the separation surface			
- Filter with filter-box providing a clean air supply to the separating table			
- Air conveyor system complete with material handling fan, 7.5hp 240/480v 3ph electric motor,			
cyclone with clean-out door, 4"steel conduit & flex conduit at joints.			
• Conveyor with magnetic head pulley			
- 18" wide belt			
- 22" overall width			

- 54" discharge height @ 30° incline			
- 98" long			
- 94" long floor space			
- 1/2 hp drive motor			
- 65 FPM			
- Easily discharge into Gaylord box.			
-Base Bin Hopper			
• Single deck self-balancing Gyratory screener 24"			
-2 fractions			
-M.S Construction			
-Fitted with suitable S.S.304 screens			
-Adjustable three plane motion			
-Anti blinding PP rings			
-Perforated sheet beneath the mesh			
-Supported on steel base designed for floor mounting			
-Vibrating assembly isolated by spring assembly			
-Complete with 1/2 HP special vibrating totally enclosed motor 240v/480v-60hz 3phase electric			
motor.			
-Top and bottom eccentric weights and lead scale indicator with top dust cover.			
• Minimum 12 months warranty			
• Delivery, installation and commissioning at Fresh Earth Technologies premises			
Conflict of interest statement			

Price Excl VAT			
Price Incl VAT			

Signed:

Dated:

Company XXX is the cheapest, complaint tender and is therefore our preferred option.

[Exchange rate \(InforEuro\) | European Commission \(europa.eu\)](#)

