



## **Request for Information (RFI) Automatic Chalk stick processing plant**

**(UNDP/PSO Ref. GP 600667)**

### **1. Introduction**

The United Nations Development Programme (UNDP) is the UN's global development agency. UNDP has three development settings, integrated into six signature solutions to respond to the different development needs. Further information may be found on [www.undp.org](http://www.undp.org).

UNDP Procurement Support Unit (PSU), offers direct procurement services to support UNDP country offices programmes. The objective of this RFI is to seek information and explore potential solutions and suppliers for an automatic chalk stick processing plant in Tanzania. UNDP expects to follow this RFI with an international bidding exercise

It should be noted that responses to this RFI, will not be treated as proposals and will not be used to short-list or prequalify bidders for any upcoming tender processes. Information provided may be used as input for subsequent tender processes (i.e. timelines, technical specifications, etc). Respondents should clearly mark any proprietary information submitted in response to this RFI.

Upon receipt of responses to this RFI, UNDP may request vendors to demonstrate their products or solutions. Demonstrations will be intended to provide information to UNDP and will not be subject to an evaluation.

UNDP will not be responsible for any costs incurred by the vendors related to the response to this RFI.

## 2. Scope of the EOI and Functional Requirements:

The potential solutions should meet the basic requirements outlined below:

### a) Chalk Processing Machine

- The envisaged chalk factory is to be established at Maswa District Simiyu region is pegged at 60% of the national demand, hence capacity to produce 343,375,200 pieces of dustless chalk per annum which equates to 3,433,752 boxes which equals to 143,073 cartons per annum, at a configuration of one shift, 8hours per day and to operate for 270 days per year.

Production days in a year	Pieces of Chalks per annum	Pieces of Chalks per day
270	343,375,200	1,271,760

- Complete machine including mixture and drier machine
- Component of packaging should be inclusive
- Should be dustless machine
- Should be automated machine
- Technically friendly to user
- To lower cost of production
- To automate every production process from mixing of raw materials to packaging.
- To produce chalks that will be used by all government schools in Tanzania.
- Size - Both two machines to occupy a space size of not more than 30 Metres long and 10 metres wide.
- Electricity Consumption - Low voltage, **not more than 2 megawatts**.
- Type of Raw materials to be used
  - Gypsum powder with the contents of
  - Calcium Sulphate – 88%
  - Carbon dioxide – 3%
  - NOT USING CARBONATE
- Production runs for every 24 hrs, each machine should be able to operate for the period of 16 hours.

### b) Gypsum powder processing machine

- Capacity to produce at least 10-20 tons per day
- Should consist of drying machine
- Should be able to separate with impurities
- Should include batching packaging process
- Should include crushing process
- Calcination process
- Should be automated machinery
- Should be user friendly

**c) P.O.P Making machine**

- Should be automated
- Should consist of packaging session

**d) Packaging machine**

- Should be combine both paper and plastic processing machine
- Should be flexible to change in each stage
- Should include both printing and labelling parts
- Should include both sealing and seaming machines

**e) General Requirements**

- The potential plant should be robust while requiring minimal energy supply to initiate or operate
- To have environmentally conscious methods of processing chalk to significantly improve local environmental conditions and decrease toxic additions to soil, water, and air. Including possible environmental consideration in the disposal of byproducts.
- The potential solution should constitute an innovative chalk processing plant that should minimize the health and environmental hazards posed by the raw materials as well as disposing of the by-products.
- The potential Solutions should be easy to commission and operate and should require minimal maintenance (ideally allowing local maintenance by trained technicians);
- The potential solutions should meet or exceed recognized emission standards

**3. Documentation to be submitted.**

Interested suppliers shall include the following set of documentation in their responses to this Request for Information:

- A brief profile of the company including size, location, areas of expertise, years in business, product range proving the capacity to supply and deliver the potential solution
- Product brochures (including detailed technical information) of the proposed solution.
- Indicative product pricing.
- Quality assurance/certifications/standards of the products you can offer
- Standard warranty details including duration of warranty for the main components
- If there are any specific requirements that cannot technically be met (please provide a technical reason/explanation to justify this).
- Reference to manufacturers of products offered.

- Information on projects implemented earlier with these solution, including geographical location of projects, project financial value, date of completion, etc.
- Complete contact details of the person/s to whom any further correspondence must be sent, including name, position, email address and phone number.
- Clients references, if possible.

#### 4. Submission details

UNDP/PSU invites potential suppliers to submit product/equipment/pricing information. The response to the request for information should specify UNDP/PSU **reference number 600667** and shall be received **no later than 17.00 Hrs, Copenhagen local time on 31<sup>st</sup> January 2019,**

UNDP intends to use the outcome of this RFI to inform any possible upcoming procurement request to meet requirements in the above specified areas of need. Interested suppliers should forward their documentation by email (max. 4.5 MB per email message with no limits on number of messages), to the following addresses:

[gpucree@undp.org](mailto:gpucree@undp.org)

United Nations Development Programme  
Crisis Response/ Energy and Environment Team  
Procurement Services Unit (PSU)

UN City  
Marmorvej 51  
DK-2100 Copenhagen  
Denmark