

**Disposal Notice No: BNPM/Disposal Notice/Disposal of Sludge & MEE Salt/249/2018-19**

**Dated: June 29, 2018**

Dear Sir,

**Sub: Disposal Notice for Biological Sludge, Filter Press Cake sludge and Multi Effect Evaporator Salt.**

The Company generates cotton cellulose based sludge in its paper mill. The company invites proposal for eco-friendly disposal of the sludge mentioned below.

S. No	Description	Qty per Year (MT)	Category	Eligibility Criteria of the firm
1	Biological Sludge	900	Non-Hazardous	Manufacturer of Vermicompost
2	Filter Press Cake sludge	3600		Manufacturer of Board / File (or) re-cyclers / re-users
3	Multi Effect Evaporator Salt	180	Hazardous	Authorized KSPCB firm shall dispose the salt as per prevailing Hazardous Rule

**Above mentioned sludge is available free of cost. However, loading at site & transportation shall be arranged by the parties at their cost. Technical details are enclosed as Annexure-1**

Interested parties may submit their proposals	On or before 10/07/2018
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**RECEIPT OF PROPOSAL:**

Interested parties are requested to submit their proposal by hand/post to the under mentioned address with a marking on the top of the cover as "PROPOSAL for: "Lifting of Biological Sludge, Filter Press Cake sludge and Multi Effect Evaporator Salt, Mysore"

Deputy General Manager  
Bank Note Paper Mill India Pvt Ltd.,  
Administrative Office Building,  
Entry Gate.1, Paper mill compound,  
Note Mudran Nagar,  
Mysuru – 570 003

**For and on behalf of  
Bank Note paper Mill India Pvt. Ltd.,**

**(Alok Kumar)  
Deputy General Manager**

## Specification for disposal for ETP Solid wastes

### 1. MEE Salt

#### **Technical Specifications:**

MEE Salt may be considered as Hazardous waste under category no. 35.3 (Chemical sludge from waste water treatment) and its annual generation is around 180 MT.

MEE Salt is obtained by treating RO reject water in Multi effect evaporator system.

#### **Vendor Qualifications:**

The hazardous wastes generated at BNPM be sold to an authorized actual user or shall be disposed of in an authorized disposal facility only.

Vendor shall be authorized KSPCB firm and MEE salt shall be disposed off as per `prevailing Hazardous Rule & complying with KSPCB/CPCB norms.

### Filter Press Cake & Biological sludge

#### Properties of Filter Press Cake

Sl No.	Parameters	Values
01	Ash content (Air dry basis)	~7 %
02	Volatile matter (air dry basis)	~76 %
03	Moisture content	70 - 75 %
04	Gross calorific value (Air dry basis)	3600 kcal/kg
05	Approximate monthly generation	300 MT

Sludge to be cleared on regular basis as it & when generated.

#### Properties of Biological sludge

Sl No.	Parameters	Values
01	Ash content (Air dry basis)	~7%
02	Total Carbon	~4%
02	Moisture content	~90 %
03	Approximate monthly generation	75 MT

#### **Note:**

- Required equipment / machineries for loading from the storage/generation area & vehicle shall be arranged by vendor.
- Filter Press cake shall be used in Kraft board/ paper board manufacturing, if any other usage other than board manufacturing, same shall be informed & our consent shall be obtained.
- The Biological sludge shall be sold to manufacturer of Vermicompost.