



# Auric®

TECHNO SERVICES PVT. LTD.

## SLUDGE DEWATERING

# TEKNOBAG DRAIMAD

### Teknobag

The TEKNOBAG DRAIMAD sludge dewatering system uses patented reusable filtration bags, after operations in accordance with the TEKNOFANGHI patent. This system is modular in design and optimizes the dewatering cycle to achieve maximum effect in minimum space requirements and operating costs.

After the initial feeding cycle, the bags are sealed manually using special tie wires and removed using a special trolley and stored in the open. During this second phase of open-air storage time the sludge weight and volume continue to reduce irrespective of the weather conditions. The special water repellent material of the bags prevents the rain water (in case of rains) from entering but allows further dehydration of the sludge by natural evaporation. After storage of the bags for 10 - 15 days, depending on the ambient conditions, a cake of 50 -95% dry solids can be obtained.

After this, the dried sludge is removed from the bag and is sent for further disposal. Bags can be washed and reused for the next operation. Bags are installed on the machine again and the unit restarted for dewatering of the next batch of sludge.

\*Teknobag Drainad Automatic Operation available on request



Our other products



An ISO 9001:2015 certified company

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## SLUDGE DEWATERING

## TEKNOBAG DRAIMAD

### Salient Features:

- Suitable for dewatering of chemical, sewage, biological and mixed sludge in both ETP/STP plants.
- No human contact with sludge - excellent for "HSE".
- Completely eliminates sludge drying beds, or other costly dewatering equipment.
- Man-power requirement is minimal.
- Sludge dewatering takes place by gravity, using patented polypropylene filter bags which allow only a unidirectional flow of water i.e. "Inside" to "Outside".
- Effective in all seasons including monsoons, and perfect for open storage of bags.
- Two step dewatering process: One by gravity and the other by natural evaporation, resulting in a cake similar to dried mud.
- 50-95% dryness in the resultant cake is achieved after the second step, with a solids separation efficiency > 95%.
- Very low poly electrolyte consumption.
- The clear benefits of this system:
  - Zero moving parts.
  - Zero Maintenance.
  - Zero Noise.
  - Zero Power consumption.
  - No foundation required.
- A very clean and easy handling of sludge which leads to:
  - No spillages.
  - No unwanted odour.
  - No flies/insects attracted to the odour.



Various models are available viz. 1, 2, 3 & 6 bags model.

Model	01BM	02BM	03BM	06BM
Sludge Feed (m3/day)	3	6	9	18
Solid Handling (Kg/day)	30	60	90	180
Dry Solids (%)	1	1	1	1

Our other products

