POME EVAPO-DRYING

UP TO POWDERED ANIMAL FEED











In some cases, mills have no palm plantation around but want to comply with zero liquid discharge. They can go to an "EFB-POME co-composting plant" or to a "POME to (powdered) animal feed" plant, as POME is an energy and protein rich biomass for animal feed.



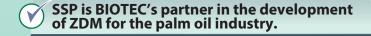
Cattle / poultry / pigs

SSP (India) developed the technology for raw POME evaporation and drying, up to powder

- **Equipment:** Decanters, Multi-Effect Evaporator (MEE), ATFE (Agitated Thin Film Evaporator), Paddle dryer
- Steam pressure requirement: 2 bars (exhaust steam from turbine)
- Steam consumption: 6 T/T powder
- Powdered animal feed production: around 1,5 T/h for a 30 T/h mill
- Composition: Moisture: 8% Protein: 12% Oil 16%
- Option: Oil recovery to reduce oil content to 4% (and feed palatability)
- First large scale SSP reference: GODREJ AGROVET (India) 15 m³ POME/hour



SSP "POME to Animal feed" plant at Godrej Palm Oil Mill





BIOTEC implements this SSP technology in S-E Asia and Latin America.

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