Vega E TS

1. Developed three processes and all of them delivers the desired output i.e. three different specs / type of product.
2. Scale up done in Pilot Plant for all the three process.
3. Process for HV < 10 and AV < 1. Process for HV 20 – 37 and AV<1 using a novel catalyst (this can be patented), Process for HV <37 and AV < 3 (can deliver product as per Covestro requirement).
4. Process three is now the preferred choice due to its simplicity and economics.
5. Suggested simplest option of powdering of Vega ETS powdering using multimill, where-in, we can now deliver the product with various mesh size.
6. Identified problems with the filtration system. The present AMA filter is of high capacity and is inefficient for the PETS process. Handling losses are more.
7. Suggested sparkler filter for the filtration process.
8. Went to third party to find a suitable filter for continuous process – Drum filter.
9. Delivered 5ton of the product, without much Hiccups. Except one complaint related to lump formation. This is being addressed studying the packaging material.
10. Presently developed three different variants in Vega E TS to address the market concern on cheap substitute for Vega ETS availability using GMS blends.
11. Stability study completed – duration 1 year accelerated as well normal storage conditions. All data documented and filed.
12. Established the shelf life for the same.
13. Packaging modification is in progress.
14. Process handed over to plant for regular commercial run.