Viewpoint

Optimal production stopping and restarting times for an EOQ model with deteriorating items. A commentary on Yan and Cheng (1998). *J Opl Res Soc* 49: 1288–1295

I read with considerable interest Yan and Cheng's paper 'On the optimal production stopping and restarting times for an EOQ model with deteriorating items'.¹ Equally interesting were the comments of Balkhi² on Yan and Cheng¹ as well as the responses of Yan and Cheng.³

In my opinion Balkhi is right on the following two points:

- (1) The total cost model should include the set-up cost per unit of time. Although the problem is formulated as a single period production–inventory problem it is *not* a single period production–inventory problem with a fixed cycle time.
- (2) The shortage cost at the initial part of the cycle for

backlogged items should be included in the total cost model. The system is incurring the shortage cost for the backlogged items during the inventory recovery period.

Concordia University, Canada

SK Goyal

References

- 1 Yan H and Cheng TCE (1998). Optimal production stopping and restarting times for an EOQ model with deteriorating items. *J Opl Res Soc* **49**: 1288–1295.
- 2 Balkhi Z (2000). Viewpoint on the optimal production stopping and restarting times for an EOQ model with deteriorating items. *J Opl Res Soc* **51**: 999–1001 and 1002–1003.
- 3 Yan H and Cheng TCE (2000). Response to the Viewpoint on the optimal production stopping and restarting times for an EOQ model with deteriorating items. *J Opl Res Soc* **51**: 1001–1002 and 1003.