

A STUDY ON INVENTORY MANAGEMENT OF
HIM SHREE FOODS INDUSTRIES PVT. LTD.

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*In partial fulfillment of the requirement for the degree of
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RECOMMENDATION

This is to certify that the thesis

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Him Shree Foods Industries Pvt. Ltd.

has been prepared as approved by this department in the prescribed
format of faculty of Management. This thesis is forwarded for
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VIVA-VOCE SHEET

We have conducted the Viva-Voce examination of the thesis

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and found that the thesis to be the original work of the student and written according to the prescribed format. We recommend the thesis to be accepted as partial fulfillment of the requirements for degree of

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ABBREVIATIONS

ABC	:	Always Better Control
AI	:	Average Inventory
EOQ	:	Economic Order Quantity
FIFO	:	First in First Out
HSF	:	Him Shree Foods
ICP	:	Inventory Conversion Period
ITR	:	Inventory Turnover Ratio
JIT	:	Just in Time
LIFO	:	Last in First Out
Ltd.	:	Limited
Pvt.	:	Private
ROL	:	Re-order Level
TC	:	Total Cost
TCC	:	Total Carrying Cost
TOC	:	Total Ordering Cost

BIBLIOGRAPHY

- Adam, Evertte E. and Ebert, Jr. Ronald Jenbert (2000). *"Production and Operation Management"*. India, Prentice Hall of India Pvt. Ltd.
- Chary, S.N. (1994), *"Production and Operation Management"*. New Delhi, Tata Mc Graw Hill Publishing Co. Ltd.
- Garret, L and Silver, M (1968), *"Production Management Analysis"*. New work, Harcourt Brance Javanovic inc.
- Hampton, J. John (1986), *"Financial Decision Making"* New Delhi, Prentice Hall of India Pvt. Ltd.
- Hongren, F.D. (2002), *"Cost Accounting"*. New Delhi, Prentice Hall of India Pvt. Ltd.
- Jain, S.P. and Narayan K.L. (1991), *"Cost of Accounting"*. New Delhi, Kalyani Publishers
- Khan, M.Y. and Jain P.K. (1992), *"Financial Management"*. New Delhi; Tata Mc Graw Hill Publishing
- Khanal, Peshal (2062), *"Educational Research Methodology"*. Kathmandu, Sunlight Publication
- Kothari, C.R. (1996), *"Quantitative Techniques"*. New Delhi, Vikash Publishing House
- Manandhar, K.D. and Shrestha, K.N. (2054), *"Production and Operation Management"*. Kathmandu, Valley Publishers
- Mohan, M. and Goyal, S.N. (1997), *"Principles of Management Accounting"*. Agra, Sahitya Bhawan Publication
- Muhlemann, A. Oakland, J. and Lockyerk (1996), *"Production Management"*. New Delhi, Mc Graw Hill India Pvt. Ltd.

- Munankarmi, S.P. (1999), *"Cost and Management Accounting"*. Kathmandu, Educational Publishing House
- Pandey, I.M. (1993), *"Financial Management"*. New Delhi, Vikas Publishing House Pvt. Ltd.
- Pradhan, Radheshyam (2004), *"Financial Management"*. Kathmandu, Buddha Academic Publisher and Distributors Pvt. Ltd.
- Regmi, L.K., Joshi P.R., Chaudhary, A.K. and Fago, G. (2003), *"Production and Management"*. Kathmandu Buddha Academic Publisher and Distributors Pvt. Ltd.
- Sharma, Puspa Raj (2064), *"Research Methodology with SPSS"*. Kirtipur Publishers Durga Sharma
- Starr, M.K. and David, W.M. (1962), *"Inventory Control Theory and Practice"*. New Delhi, Englewood Chiffs, N.J. Prentice Hall Pvt. Ltd.
- Welsch, G.A., Hiton, R.W. and Gordon, P.N. (2001), *"Budgeting Profit Planning and Control"*. New Delhi Prentice Hall of India Pvt. Ltd.
- Weston, J.F and Copeland, T.E. (1992), *"Managerial Finance"*. New Work, The Dryden Press
- Weston, J.F. and Brigham (2004), *"Essential of Managerial Finance"*. New Work, Hartcourt Brance College Publishers
- Saru, Ram Kumari (2064), *"Planning and Controlling of Inventory of Manufacturing Industries"*. A Study of Gosheli Packaging House, unpublished Diss. Sumitted to P.N.C., Pokhara
- Tiwari, P.R. (2061), *"A Study on Inventory Management of Staff Trading Corporation Ltd."* unpublished Diss. submitted to P.N.C., Pokara (T.U.)

Appendix - 1

Questionnaire

Information Page

Sir/Madam/Miss

I request to you fill up the following questionnaire. Your valuable opinion will guide to me to prepare master digger's these. I insure that your opinion will not be disclosed for other purposes.

- i) Name of Researcher : Om Bahadur Kunwar
- ii) Name of Campus : Prithivi Narayan Campus
- iii) Research Title : A Study of Inventory Management of Him Shree Foods Industries Pvt. Ltd. Co.
- iv) Research Submitted to : Office of Dean, Faculty of Management of Tribhuvan University in partial fulfillment of MBS programme

Please, tick as (√) on the one or more boxes and fill in the blanks as per required.

Name of Respondent :

Name of Firm :

Address of the Firm :

1. Types of Industry:

- a) Partnership []
- b) Private Ltd. Co. []
- c) Corporation []
- d) Others if any []

2. Objectives of the Company

- a) Profit maximization []
- b) Wealth maximization []
- c) Sales maximization []
- d) Others if any []

3. What types of purchasing procedure are adopted by H.S.F.?

- a) Centralized Purchasing []
- b) Decentralized Purchasing []

4. Who controlled the inventory?
- a) Manger [] b) Store Keeper []
 c) Accountant [] d) Supervisor []
5. What are main products produced by the company?
-
6. What are the major types of inventories hold by the company?
-
-
7. From where the company purchase the materials?
- a) National Market [] b) International Market []
 c) Local Market [] d) All of above
8. What are the method used by Him Shree Foods Pvt. Ltd. for holding inventories?
- a) LIFO [] b) FIFO []
 c) Average cost method []
 d) Weighted aviate cost method []
9. Which systems are followed to the purchase?
- a) Cash [] b) Credit []
 c) Installment [] d) Other if any []
10. Who collected the purchase requisition slip in HSF?
- a) Purchase Manager b) Purchase assistant manger
 c) Storekeeper d) If other please specific.....
11. Who makes the purchase decision of HSF?
- a) Purchase Manager b) Purchase assistant manger
 c) General Manager d) If other please specific.....
12. Which department prepare the purchase in HSF?
- a) Purchase Department b) Account Department
 c) Central Department d) Other
13. What of systems are followed to the purchase marketing?
- a) Tender b) Hand to mouth
 c) Blanked Order d) If any Places

14. How many quantity order at a time?

15. How many order are placed at a month?

16. What is the lead time for received the materials?

17. Who received and checked the materials arrived in HSF?
a) Purchase Manager b) Assistant Purchase Manager
c) Received Clerk d) Others
18. How is the stock maintained in HSF?

19. Does the company prepared the inventory planning?
a) Yes [] b) No []
20. If yes, who is the authorized person for inventory planning?
a) Top level Management
b) Middle Level Management
c) Participation Management
d) Lower Level Management
21. Which inventory policies are used?
a) Sales policy [] b) Fluctuation Policy []
c) Just in Time Policy [] d) Other please specific
22. Which methods are used while determining inventory planning?
a) Decision of management b) Simple Average
c) Proportionate d) Other
23. What are the methods used by HSF for valuation of inventory?

24. Does the company use any technologies for inventory planning?
a) Yes [] b) No []
25. If use which tools are used?
a) EOQ [] b) ROL []
c) Safety Stock []

26. Which specific problems faced by the HSF while managing the inventories?
- a) Nepal Banda, Strikes, lock out
 - b) Unexpected price change
 - c) Geographical Problems
 - d) If other please specific
27. Are there regular contact for raw materials supplies?
- a) Yes []
 - b) No []
28. Who controlled the inventory?
- a) General Manager []
 - b) Store Keeper []
 - c) Supervisor []
 - d) Workers []
29. Which tools are used to inventory control?
- a) Store Ledger
 - b) Bin Card
 - c) Observation
 - d) Others please specific
30. Which method is used for inventory valuation?
- a) Cost method
 - b) Average cost method
 - c) Market value method
 - d) Other if any
31. What is the suggestions for company for correction the inventory management?
- Please Mention
-
-

Thank for your kindly co-operation.