

ANALYSIS, DESIGN AND IMPLEMENTATION  
OF  
PRODUCTION CONTROL & REPORT GENERATION,  
EXPORT PERFORMANCE MANAGEMENT INFORMATION  
SYSTEM. (BEST BILT LEATHER LTD, FARIDABAD)

A PROJECT REPORT  
SUBMITTED IN PARTIAL FULFILMENT OF THE  
REQUIREMENT FOR THE DEGREE OF  
MASTER OF COMPUTER APPLICATIONS

BY :  
DEEPAK ARORA  
MCA 10/91  
VOLUME I

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING  
THAPAR INSTITUTE OF ENGINEERING & TECHNOLOGY  
PATIALA  
(DEEMED UNIVERSITY)  
1994

# Best Bilt Leather Limited



**The Thapar Group**

WORKS:  
66A, INDUSTRIAL AREA  
FARIDABAD, HARYANA  
PIN 121 001  
INDIA

May 7, 1994

## CERTIFICATE

THIS IS TO CERTIFY THAT THE PROJECT WORK TITLED "PRODUCTION CONTROL AND REPORT GENERATION" AND "EXPORT PERFORMANCE MANAGEMENT INFORMATION SYSTEM" IS A BONAFIDE WORK CARRIED OUT BY MR. DEEPAK ARORA, A CANDIDATE FOR THE DEGREE COURSE OF MASTER OF COMPUTER APPLICATIONS, THAPAR INSTITUTE OF ENGG. AND TECHNOLOGY, PATIALA.

  
VINEET CHHABRA

[ MANAGER ]

### ACKNOWLEDGEMENT

I feel highly privileged to record my sincere gratitude to Mr. Vineet Chabra, Manager(unit), Best Bilt Leather Ltd., for giving me the opportunity to do my system development project in this organisation. I am also thankful to Mr. Sirsij Peshin, whose efforts make me able to do my project at this unit.

My sincere thanks and gratitude to my guide, Mr. Rajesh Mehta, System officer, whose help, guidance and infinite patience enabled the course of my project to be a smooth one. I would very much like to acknowledge his encouragement, assistance and cautious approach at all stages of this work.

I am also highly indebted to Mr. Sanjeeva Rao Mukurala, Production Officer and Mr. Venu K. Menon, Commercial Executive, who helped me a great deal in understanding the working of the existing system. I wish to thank them for answering my innumerable queries during the Analysis, Design and Development of my project.

I would also like to thank the staff of Best Bilt Leather Ltd. for their co-operation throughout my project work.

And last but not least, I wish to express my deep sense of gratitude to Mr. Vineet Chabra and Mr. Rajesh Mehta for being so kind and understanding.

Deptt of Computer Sc. & Engg.  
Thapar Inst. of Engg. & Tech.  
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DEEPAK ARORA.  
MCA 10/91

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## INTRODUCTION

### **THE THAPAR GROUP**

1. One of the top five conglomerates.
2. Human resource base of 70,000.
3. Group turnover Rs. 1,600 crore.
4. Major industrial activities it is involved in is:

Paper, Textiles, Chemicals, Telecommunication, Glass, Man-made fibre, Edible oils, Shipping, Colour T.V. Picture tubes Shadow Masks, Leather, Bio technology, News Media, Agriculture, and Construction Material.

Its commitment to the core sector continues.

The range is continuously winding further with expansion and diversification.

**Four major pillar companies of the group are:**

BILT, JCT, CROMPTON GREAVES, GREAVES COTTON.

**Founder of the group:**

Late Lala Karam Chand Thapar (1900-1962).

Originally from Punjab he journeyed to Bengal which turned out to be his "tryst with destiny". He started a humble beginning with a small coal agency. slowly he became the owner of a coal mine given up as sick by the British, and rehabilitated it.

His coal mine chain grew so rapidly that when the coal industry was nationalised in our country, Thapars were the largest Indian producers of cooking and non cooking oil.

### BEST BILT LEATHER LIMITED.

Best Bilt Leather limited a fully owned subsidiary of Ballarpur Industries Ltd., of the Thapar group at Faridabad was incorporated on 19th April 1990. It was issued a fresh certificate of incorporation on 28th of April 1992, by virtue of which its name was changed from Best Bilt Leather Pvt. Ltd. to Best Bilt Leather Ltd.

#### OBJECTIVES OF THE COMPANY :

1. To manufacture , tan, cure, laminate, process and prepare for market and to develop, purchase, acquire, import-export, sell hold and deal in raw skins, hides, and leather of every kind including substitutes thereof, whether natural or synthetic fibers or rubbers and to convert them into garments and wearing apparel of any kind including shoe upper, full shoes, boots, leggings, soles, heel taxon in soles, and to carry on the business of a temporary and finishing factory for all such leather goods. To manufacture shoe upper, full shoes, boots, and such leather goods of all types and deal in raw material used or required therein.
2. To manufacture and deal in Leather chemicals for tanning and business of tannery, and finishing factory for all kinds of leather.
3. To manufacture and deal in machinery and accessories related there to for processing and production of shoe uppers, full shoes, boots, leather garments, and such other leather goods of all types and also to produce and/or export raw skins and hides, pickled, crust, semifinished and finished Leather.

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2. To manufacture and deal in Leather chemicals for tanning and business of tannery, and finishing factory for all kinds of leather.
3. To manufacture and deal in machinery and accessories related there to for processing and production of shoe uppers, full shoes, boots, leather garments, and such other leather goods of all types and also to produce and/or export raw skins and hides, pickled, crust, semifinished and finished Leather.

### PRESENT BUSINESS OF THE COMPANY:

The company is presently engaged in the manufacture of LAMINATED LEATHER, which is being exported and sold in the domestic market. This is one of the few companies in India producing Laminated Leather.

### PRODUCT-PROFILE

LAMINATED LEATHER is the leather of the future. It comprises of a polyurethane foil laminated into inferior grades of leather to result in a finish, which is uniform and superior to conventional leather and at the same time retaining the most important characteristic of leather i.e. Breathability. The polyurethane foil is laminated into the leather with the help of an adhesive and hardner.

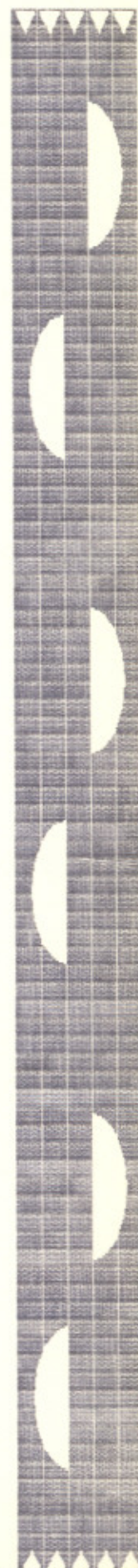
The polyurethane foil along with the adhesive and hardner are imported from porvair P.I.C U.K., Who has a patent for the same. Porvair has perfected a product which combines the best qualities of the synthatics with those of natural leather. The foil can be manufactured by Porvair in a range of finishes and colors thus maintaining a step ahead of natural leather finishes.

**Best Bilt Leather Ltd.** aims to manufacture laminated leather with foil from Porvair and split or full grain in the crust stage as raw material. The equipments for the project had been imported from Italy and U.K. with the two adhesive applicators being supplied by Porvair itself. The installed capacity at Faridabad is 10 million sft per annum and the break even volume around 18% .

\*\*\*\*\*  
\* ANNEXURE I \*  
\*\*\*\*\*



# **Production Planning & Control**



ANNEXURE I

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\*\*\*\*\*  
\* SYSTEM ANALYSIS \*  
\*\*\*\*\*

## SYSTEM ANALYSIS

The system analysis phase was conducted to study the operation of the existing system, in order to determine its working, the critical parameters such as the direction of flow of information, their volume and time limits for the exchange of information.

The analysis phase consisted of the following major activities.

1. Study of the existing system.
2. Searching the problem by interviewing the personnel involved in the operation.
3. Defining the problem.
4. Selection of feasible solution.

### 1. STUDY OF EXISTING SYSTEM

This study was done in order to get into the working of the existing system. The interview with the Production Officer helped me to develop the preliminary reports about the system's working. The main features of this report was the direction of flow of information in the system i.e. from the stores to production deptt. and from production deptt. to despatch and to the accounts deptt.

The next stage was to determine the type of information that flowed from one end of the system to the another and also the processing done on the information and identification of these processing stages.

2. Searching the Problem by interviewing the personnel involved in the operation.

After gaining some knowledge about the existing system, extensive and exhaustive interviews were conducted with the personnel involved. These include the Production Officer, Leather store incharge and other employees.

The interviews were conducted under the following guidelines :

- (i) The basic process.
- (ii) The interviewee's role in system's working.
- (iii) The documents used by the interviewee.
- (iv) The problems faced by the interviewee, if any.

The various interviews conducted helped to determine the problems faced by the end users and the employees.

3. Defining the problem :

From the extensive data collected during the execution of the study and interview phases, the end users' exact problems were identified and the problem is defined by listing out all the requirements. The production officer require the production information, store issue information on the daily basis. The exact problem with the production department's information system was not getting the appropriate MIS from the existing system as it was all manual and the reports were generated by V.P.Planner or Lotus.

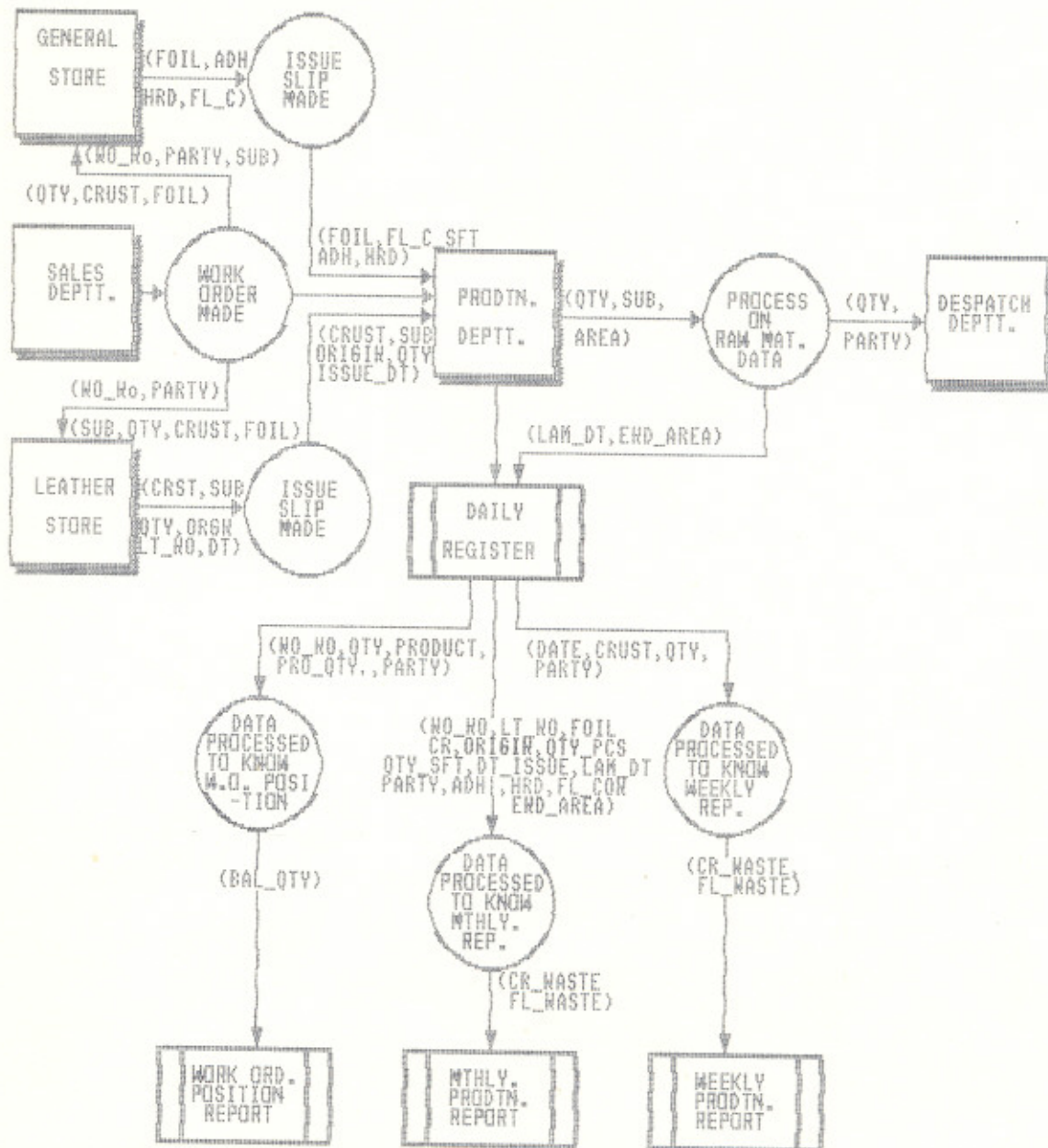
#### 4. Selection of Feasible Solution

A feasible solution for the new system was selected keeping in mind

- The end user's requirements.
- The Flaws and deficiency in the existing system.
- The rules and regulation of export.

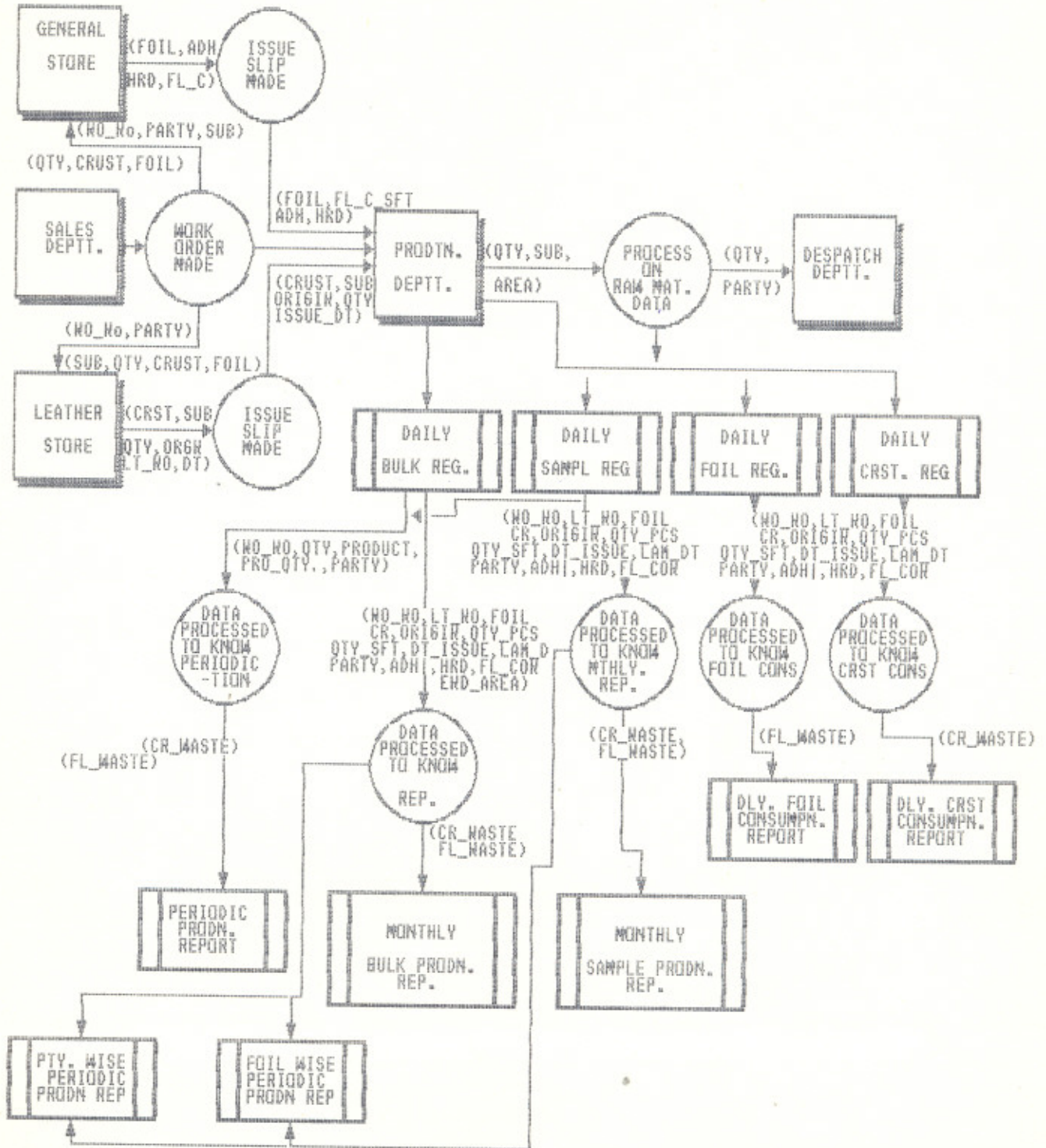
The selection phase took care of the use's abilities to handle the computer operations so that the operations could be conducted with minimal of fuss and delay.

# PRODUCTION DEPTT. (EXISTING SYSTEM) (MANUAL)

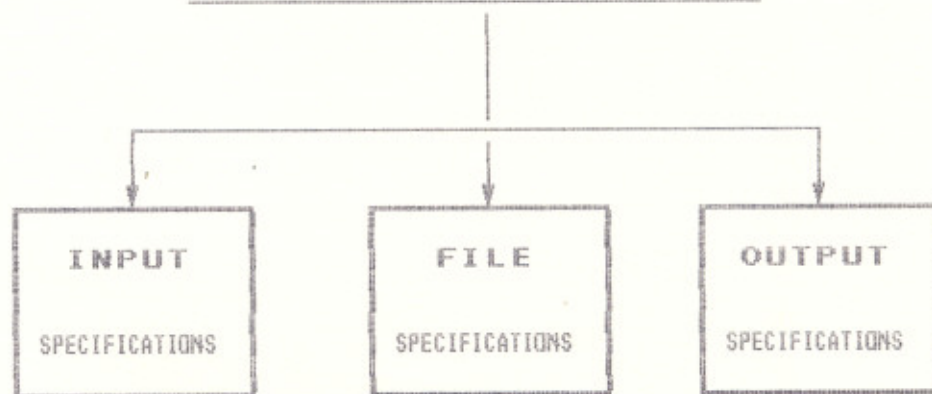


\*\*\*\*\*  
\* SYSTEM DESIGN \*  
\*\*\*\*\*

# PRODUCTION DEPTT. (PROPOSED SYSTEM) (COMPUTERISED)



LOGICAL SYSTEM DESIGN



## SYSTEM DESIGN

### PRODUCTION CONTROL & REPORT GENERATION :

An over view of the proposed and designed system is shown in the fig. at Pg.: 5.

The logical design of the system consists of the following :

- (i) Input Specifications.
- (ii) File Specifications.
- (iii) Output Specifications.

#### (i) Input Specifications :

(a) The bulk production on a particular date( against a particular work order) is entered into the system(bulk.dbf).

Ref. Pg.: 19.

(b) The sample production on a particular date( against a particular work order) is entered into the system(sample.dbf).

Ref. Pg.: 20.

(c) The quantity of Foil issued, received, consumed, rejected on day to day basis against a particular work order is entered into the system i.e fl.dbf.

Ref. Pg.: 21.

(d) The crust issued, consumed, rejected etc. are entered into cr.dbf.

Ref. Pg.: 22.

(ii) File Specifications :

The file specification for the system are :

(a) Master file for bulk production i.e BULK.DBF

Ref. Pg.: 10.

(b) Master file for Sample Production i.e. SAMPLE.DBF

Ref. Pg.: 11.

(c) Master file for Foil consumption on daily basis i.e

FL.DBF

Ref. Pg.: 12.

(d) Master file for crust consumption on daily basis i.e

CR.DBF

Ref. Pg.: 12.

**(iii) Out-Put Specifications :**

The out-put specifications of the system are :

**(a) Periodic Report:**

How much Bulk/Sample production during a particular period. uses bulk.dbf index bulk\_dt (key: lam\_dt)

Ref. Pg.: 23.

**(b) Monthly Report(bulk production):**

What and How much is produced in a specific month.

uses bulk.dbf index bulk\_dt (key: lam\_dt)

Ref. Pg.: 24.

**(c) Monthly Report (Sample Production):**

What Samples are produced in a specific month.

uses sample.dbf index sample\_dt (key: lam\_dt)

Ref. Pg.: 25.

**(d) Foil Consumption Report:**

How much Foil is consumed, date wise, during a particular period. uses fl.dbf index fl\_dt (key: dt)

Ref. Pg.: 27.

**(e) Crust Consumption Report:**

How much crust is consumed, date wise, during a particular period. uses cr.dbf index cr\_dt (key: date)

**(f) Party Wise Monthly Report:**

How much is produced for which party during a specific month. uses bulk.dbf index bulk\_pty(key: party)

sample.dbf index sample (key: party)

Ref. Pg.: 28.

**(g) Foil Wise Monthly Report:**

Foil used for different work orders during a specific month. uses bulk.dbf index bulk\_fl.

Ref. Pg.: 29.

DATABASE: F:\HOME\QUALITY\SRAD\BULK.DBF BULK PRODUCTION MASTER FILE

Field	Field Name	Type	Width	Dec	Description
1	WO_NO	Numeric	7		work order number.
2	LOT_NO	Numeric	6		Lot number.
3	FOIL	Character	30		Foil used.
4	CRUST	Character	6		Crust used.
5	ORIGIN	Character	10		Origin of the crust.
6	QTY_PCS	Numeric	6		Crust Used In Pcs.
7	QTY_SQF	Numeric	10	2	Crust Used In Sft.
8	ISSUE_DT	Date	8		Date Of Issue Of Crust.
9	SUB	Character	8		Substance(Crust).
10	LAM_DT	Date	8		Date Of Lamination.
11	FL_C_SQF	Numeric	9	2	Foil Consumed in Sft.
12	ADH	Numeric	5	2	Adhesive Used(Kgs.).
13	HARD	Numeric	4		Hardner Used(Gms.).
14	END_AREA	Numeric	10	2	Final Goods(in area).
15	PARTY	Character	10		Customer.
16	RMKS	Character	20		Remarks.

INDEX FILE : F:\HOME\QUALITY\SRAD\BULK.IDX (PARTY,10)

INDEX FILE : F:\HOME\QUALITY\SRAD\BLK\_DT.IDX (LAM\_DT,8)

INDEX FILE : F:\HOME\QUALITY\SRAD\BLK\_FL.IDX (FOIL,30)

DATABASE: F:\HOME\QUALITY\SRAD\SAMPLE.DBF

SAMPLE PRODUCTION MASTER FI

Field	Field Name	Type	Width	Dec	Description
1	WO_NO	Numeric	7		work order number.
2	LOT_NO	Numeric	6		Lot number.
3	FOIL	Character	30		Foil used.
4	CRUST	Character	6		Crust used.
5	ORIGIN	Character	10		Origin of the crust.
6	QTY_PCS	Numeric	6		Crust Used In Pcs.
7	QTY_SQF	Numeric	10	2	Crust Used In Sft.
8	ISSUE_DT	Date	8		Date Of Issue Of Crust.
9	SUB	Character	8		Substance(Crust).
10	LAM_DT	Date	8		Date Of Lamination.
11	FL_C_SQF	Numeric	9	2	Foil Consumed in Sft.
12	END_AREA	Numeric	10	2	Final Goods(in area).
13	PARTY	Character	10		Customer.
14	RMKS	Character	20		Remarks.

INDEX FILE : F:\HOME\QUALITY\SRAD\SAMPLE.IDX CHAR(PARTY,10)

INDEX FILE : F:\HOME\QUALITY\SRAD\SAMPLE\_DT.IDX DATE(LAM\_DT,8)

DATABASE: F:\HOME\QUALITY\SRAO\FL.DBF

Field	Field Name	Type	Width	Dec	Description
1	DT	Date	8		Date.
2	WO_NO	Character	7		Work order no.
3	LOT_NO	Character	7		Lot number.
4	ITEM	Character	30		Foil name
5	ROLL_NO	Numeric	5		Foil roll number.
6	RCD_QTY	Numeric	9	2	Received Quantity.
7	CSM_QTY	Numeric	9	2	Consumed Quantity.
8	REJ_QTY	Numeric	9	2	Rejected Quantity.

INDEX FILE : F:\HOME\QUALITY\SRAO\FL\_DT DATE(DT,8)

database: F:\HOME\QUALITY\SRAO\CR.DBF

Field	Field Name	Type	Width	Dec	Description
1	DATE	Date	8		
2	WO_NO	Character	7		
3	CRUST	Character	10		
4	SUB	Character	8		
5	QTY_SQF	Numeric	9	2	
6	CSM_QTY	Numeric	9	2	
7	REJ_QTY	Numeric	9	2	
8	RTN_QTY	Numeric	10	2	

The programs in PRODUCTION CONTROL & REPORT GENERATION utilizes the following modules.

- (i) File Handling Module.
- (ii) Menu Handling Module.
- (iii) Printer Handling Module.

(i) FILE HANDLING MODULE :

The file handling module consists of three parts.

- (a) Opening of files which includes allocation of memory.
- (b) File functions for performing operations on the database files.
- (c) Closing of files and freeing the memory allocated.

(ii) MENU HANDLING MODULE :

The menu handling module consists of three parts.

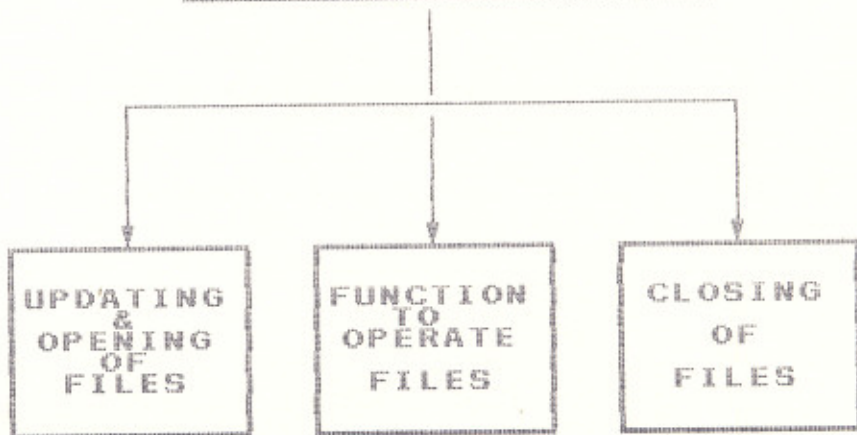
- (a) Initialising the structure components of the menu structure.
- (b) Displaying the Menu options on the screen.
- (c) Selecting a menu option.

(iii) PRINTER HANDLING MODULE :

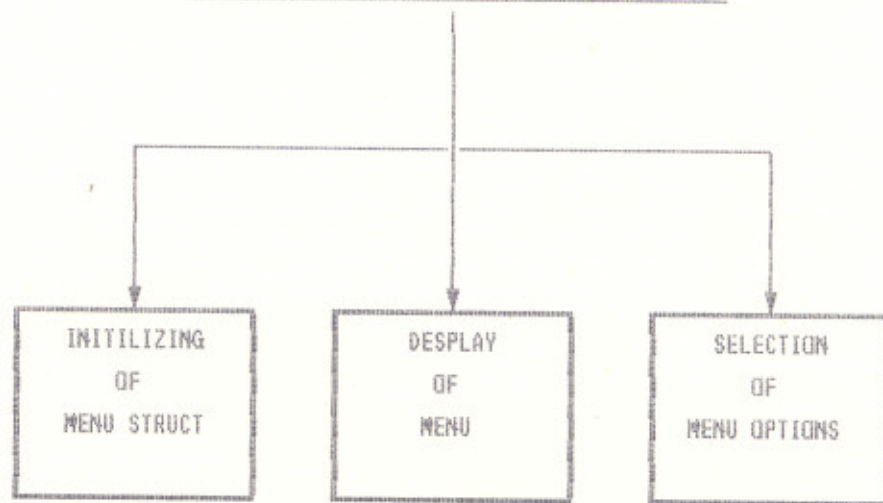
The printer handling module consists of two parts.

- (a) Initialising the structure components of the printer structure.
- (b) Printing the report.

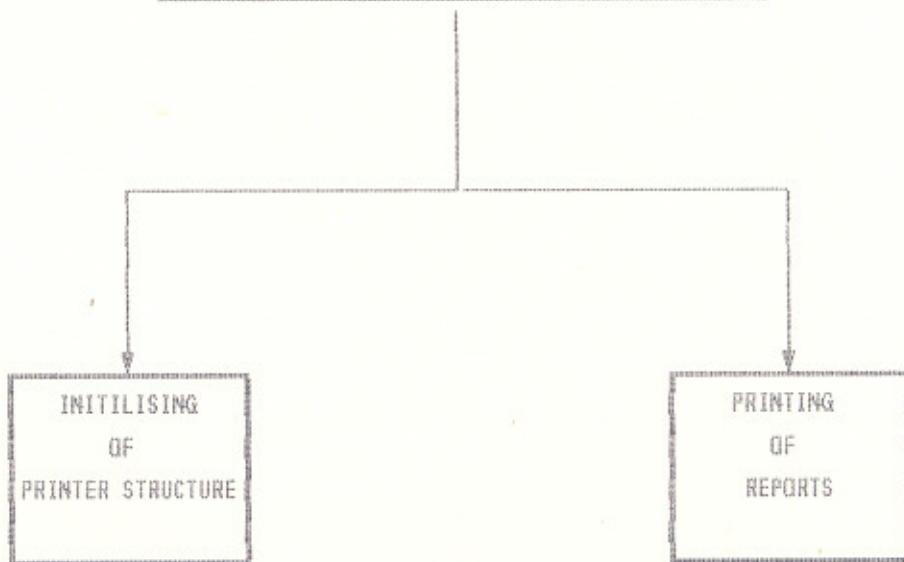
FILE HANDLING MODULE



MENU HANDLING MODULE

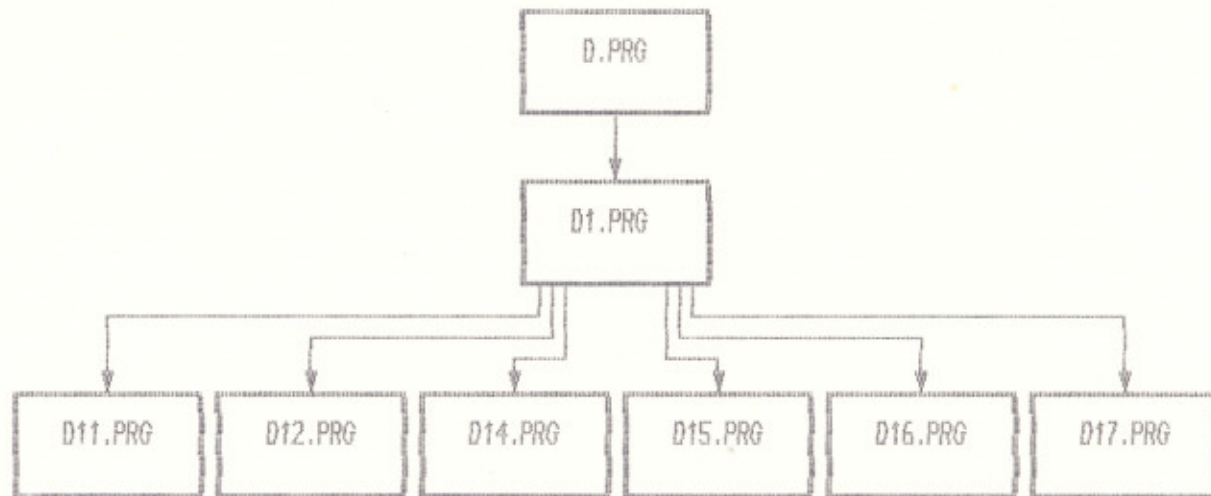


PRINTER HANDLING MODULE



# STRUCTURE CHART

## PRODUCTION CONTROL & REPORT GENERATION



D.PRG : MAIN MENU PROGRAM.  
D1.PRG : REPORT MENU PROGRAM.  
D11.PRG : PERIODIC REPORT PROGRAM.  
D12.PRG : MONTHLY REPORT PROGRAM.

D14.PRG : DAILY FOIL CONSUMPTION REPORT PROGRAM.  
D15.PRG : DAILY CRUST CONSUMPTION REPORT PROGRAM.  
D16.PRG : PARTY WISE MONTHLY REPORT PROGRAM.  
D17.PRG : FOIL WISE MONTHLY REPORT PROGRAM.

\*\*\*\*\*  
\* INPUT/OUTPUT REQUIREMENTS \*  
\*\*\*\*\*

\*\*\*\*\*  
\* INPUT FORMATS \*  
\*\*\*\*\*

### PROCEDURE BWIN

This procedure appends the Master Bulk Production File i.e.

**BULK.DBF** index **BLK\_DT.IDX** .

KEY: **LAM\_DT** .

The function used to append the Bulk.dbf :

Define Window From .....

Browse Window ..... Title "....." Fields ;

The appended file is used to produce reports on Monthly basis, Party basis, Foil basis.

### PROCEDURE SWIN

This procedure appends the Master Sample Production File i.e.

**SAMPLE.DBF** index **SAMPLE\_DT.IDX** .

KEY: **LAM\_DT** .

The function used to append the Sample.dbf :

Define Window From .....

Browse Window ..... Title "....." Fields ;

The appended file is used to produce reports on Monthly basis, Party basis.

DAILY BULK REGISTER

WORK ORDER NO.:	LOT NO.:	FOIL NAME:	CR. NATURE:	ORIGIN:
1802	3	DOG WOOD	T/F/G	SUPER
1803	3	NUTMEG	T/F/G	SUPER
1801	4	BLACK ORCHID	B/F/G	SUPER
1806	4	DOGWOOD	B/S	SUNRISE
1806	4	DOGWOOD	B/S	SUNRISE
1805	6	BLACK ORCHID	B/S	BALANTEN
1807	0	C P6	B/S	JOINERY
1801	6	BLACK ORCHID	T/F/G	SUPER
1805	171	BLACK ORCHID	T/S	MAHAJAN

! ^W - SAVE ! ^N - ADD ! ^T - DEL !

## DAILY SAMPLE REGISTER

WORK ORDER NO.:	LOT NO.:	FOIL NAME:	CR. NATURE:	ORIGIN:
1809	170	BLACK EPSOM	T/F/G	SUPER
1790	170	VIN ROUGE ZEPHYR	T/S	LAMIPEL
1785	170	WORCESTER FLUER MM	T/F/G	SUPER
1786	170	NUTMEG SAT HEL	T/F/G	SUPER
1787	170	BLACK MISTROL MIGHT	B/S	BALINTEN
1810	170	BLACK V2 AMBER	B/F/G	AMINSONS
1789	170	BLACK AMBER	B/S	SUNRISE
1	171	WHITE SILK SAT HEL	W/S	L B I
2	171	ANTIMONEY INDIANA	T/S	LAMIPEL

! ^W - SAVE ! ^N - ADD ! ^T - DEL !

Dt	Wo_no	Lot_no	FL Item	R
31/03/94			MANE SATHEL	
31/03/94			RED TAIL EPSOM	
31/03/94			BEAUNC SATHEL	
31/03/94			BLACK MISTROL	
31/03/94			MOSS SATHEL	
31/03/94			BLACK SAT HEL(O.25MM)	
31/03/94			CORGI ZEPHYR	
31/03/94			ANTIMONEY INDINA	
31/03/94			VIN ROUGE ZEPHYR	
31/03/94			STAGE ZEPHYR	
31/03/94			VIN ROUGE ORCHID	
31/03/94			SHELLY BRIAR ORCHID	
31/03/94			TOSTED CHOCOLATE EPSOM	

Date	Wo_no	Crust	CR Sub	Qty_sqf	Csm_qty	≡
						◇

\*\*\*\*\*  
\* OUTPUT FORMATS \*  
\*\*\*\*\*

BEST BILT LEATHER LTD.  
PERIODIC BULK PRODN. REPORT

PERIOD: FROM: 01/02/94 TO:07/02/94

PAGE: 1

DATE:15/04/94

WO. NO.	LOT NO.	FOIL NAME	CRUST NATURE	ORIGIN	QTY (PCS)	QTY (SQF)	ISSUE_DT.	SUBS.	LAM_DT.	FOIL (SQF)	FOIL (SQM)	ADH (Kg.)	HARD (Gr.)	END AREA	CR (%) WASTE	FL (%) WASTE	CUSTOMER	RMKS
1635	138	DOGWOOD	T/S	MIXED	21	147.50	02/02/94	1.4/1.6	07/02/94	129.25	12.01	1.17	70.00	112.75	23.56	12.77	SIGNATURE	
					21	147.50				129.25	12.01	1.17	70.00	112.75	23.56	12.77		

BEST BILT LEATHER LTD.  
MTHLY. BULK PRODN. REPORT

MONTH: FEBRUARY 1994

PAGE: 1

DATE:01/03/94

WO. NO.	LOT NO.	FOIL NAME	CRUST NATURE	ORIGIN	QTY (PCS)	QTY (SQF)	ISSUE_DT.	SUBS.	LAM_DT.	FOIL (SQF)	FOIL (SQM)	ADH (Kg.)	HARD (Gr.)	END AREA	CR (%) WASTE	FL (%) WASTE	CUSTOMER	RMKS		
1634	148	NUT MEG SAT HEL	T/S	KOHSIN	28	256.75	18/02/94	1.4/1.6	19/02/94	188.50	17.51	2.25	134.00	178.50	30.48	5.31	SIGNATURE			
1635	138	DOGWOOD	T/S	MIXED	21	147.50	02/02/94	1.4/1.6	07/02/94	129.25	12.01	1.17	70.00	112.75	23.56	12.77	SIGNATURE			
1633	136	BLAC ORCHID	W/S	L B I	74	967.25	29/01/94	1.4/1.6	08/02/94	925.75	86.01	8.75	525.00	834.00	13.78	9.91	SIGNATURE			
1633	138	BLACK ORCHID	T/S	MIXED	106	928.50	02/02/94	1.4/1.6	08/02/94	773.00	71.81	7.50	445.00	725.50	21.86	6.14	SIGNATURE			
1633	142	BLACK ORCHID	B/S	SUPER	51	341.75	08/02/94	1.4/1.6	08/02/94	361.50	33.58	2.75	163.00	302.75	11.41	16.25	SIGNATURE			
1634	138	NUTMEG	T/S	MIXED	95	844.75	02/02/94	1.4/1.6	09/02/94	712.50	66.19	6.75	405.00	646.25	23.50	9.30	SIGNATURE			
1633	142	BLACK ORCHID	T/S	MAHAJAN	90	889.00	18/02/94	1.4/1.6	18/02/94	690.50	64.15	5.20	312.00	675.75	23.99	2.14	SIGNATURE			
1712	147	NUT MEG SAT HEL	T/S	MAHAJAN	30	279.00	18/02/94	1.4/1.6	18/02/94	226.00	21.00	1.60	98.00	212.00	24.01	6.19	MEDICDN			
1633	147	BLACK ORCHID	B/S	SUNRISE	19	172.25	18/02/94	1.2/1.4	18/02/94	140.00	13.01	1.00	60.00	137.50	20.17	1.79	SIGNATURE			
1634	142	NUTMEG SAT HEL	B/S	SUPER	46	292.50	08/02/94	1.4/1.6	10/02/94	333.50	30.98	2.25	140.00	259.25	11.37	22.26	SIGNATURE			
1633	148	BLACK ORCHID	T/S	KOHSIN	21	223.50	19/02/94	1.4/1.6	21/02/94	165.00	15.33	2.00	115.00	155.00	30.65	6.06	SIGNATURE			
1634	148	NUTMEG SAT HEL	B/S	JOINERY	25	198.25	19/02/94	1.4/1.6	21/02/94	183.00	17.00	1.75	105.00	151.75	23.46	17.08	SIGNATURE			
					606	5541.00						4828.50	448.59	42.97	2572.00	4391.00	20.75	9.06		

BEST BILT LEATHER LTD.  
MTHLY. SAMPLE PRODN. REPORT

MONTH: FEBRUARY 1994

PAGE: 1

DATE: 01/03/94

WO. NO.	LOT NO.	FOIL NAME	CRUST NATURE	ORIGIN	QTY (PCS)	QTY (SQF)	ISSUE_DT.	SUBS.	LAM_DT.	FOIL (SQF)	FOIL (SQM)	ADH (Kg.)	HARD (Gr.)	END AREA	CR (%) WASTE	FL (%) WASTE	CUSTOMER	RKKS
1617	138	SHELLY BRAIAR ORCHID	T/S	LAMIPEL	1	14.00	02/02/94	1.4/1.6	02/02/94	13.00	1.21	0.10	5.88	12.00	14.29	7.69	BATA	
1692	143	BLACK ORCHID	T/S	BONAVENEUR	2	13.00	04/02/94	1.2/1.4	04/02/94	12.25	1.14	0.09	5.46	10.00	23.08	18.37	BONAVENTURE	
1711	136	black orchid	T/S	MAHAJAN	1	6.75	04/02/94	1.2/1.4	04/02/94	5.00	0.46	0.05	2.84	4.50	33.33	10.00	LAKHANI	
1607	0	BLACK ORCHID	COW.FG		1	7.25	04/02/94	0.8/1.0	04/02/94	6.50	0.60	0.05	3.05	6.00	17.24	7.69	Mr.ANIL BHARGAVFOR FA	
1697	0	BLACK ORCHIDA	B/F/6	L. TECH	1	7.50	04/02/94	1.2/1.4	04/02/94	7.00	0.65	0.05	3.15	6.50	13.33	7.14	Mr.ANIL BARGAV FAIR	
1690	0	BLACK ORCHIDA	T/S		1	4.50	04/02/94	1.2/1.4	04/02/94	4.00	0.37	0.03	1.89	3.75	16.67	6.25		
1707	0	BLACK ORCHIDA	C/F/6		1	7.25	04/02/94	0.8/1.0	04/02/94	6.50	0.60	0.05	3.05	6.00	17.24	7.69	Mr.ANIL BARGAV FAIR	
1672	141	SAFARI SAT HEL	T/F/6	SUPER	1	9.50	07/02/94	1.8/2.0	07/02/94	5.75	0.53	0.07	3.99	5.25	44.74	8.70	CHELSON	
1673	141	DUGWOOD	T/F/6	SUPER	1	10.00	07/02/94	1.8/2.0	07/02/94	6.25	0.58	0.07	4.20	5.25	47.50	16.00	CHELSON	
1671	141	STAG FLUER MM	T/S	SUPER	1	6.00	07/02/94	1.8/2.0	07/02/94	6.00	0.56	0.04	2.52	5.00	16.67	16.67	CHELSON	
1665	141	OLIVE SBM OIL PULLUP	T/S	MAHAJAN	1	6.50	07/02/94	1.4/1.6	07/02/94	6.75	0.63	0.05	2.73	5.75	11.54	14.81	MONTARI	
1663	141	RESPBERRY EPSOM	T/S	MAHAJAN	1	6.00	07/02/94	1.4/1.6	07/02/94	7.50	0.70	0.04	2.52	5.50	8.33	26.67	MONTARI	
1664	141	STAG ZEPHYR	T/S	MAHAJAN	1	7.00	07/02/94	1.4/1.6	07/02/94	7.00	0.65	0.05	2.94	6.25	10.71	10.71	MONTARI	
1678	141	BLACK ORCHID	B/S	MAHAJAN	1	6.25	07/02/94	0.8/1.0	07/02/94	6.25	0.58	0.04	2.63	4.50	28.00	28.00	CLASSIQUE	
1679	141	BLACK ORCHID	B/F/6	LEATH TEAC	1	6.50	07/02/94	0.8/1.0	07/02/94	6.25	0.58	0.05	2.73	6.00	7.69	4.00	CLASSIQUE	
1669	141	BLACK ORCHID	B/S	SUPER	1	7.75	07/02/94	1.0/1.2	07/02/94	6.25	0.58	0.05	3.26	5.25	32.26	16.00	CHELSON	
1670	141	BLACK ORCHID	B/F/6	L. TECH	1	12.00	07/02/94	0.8/1.00	07/02/94	9.00	0.84	0.08	5.04	6.75	43.75	25.00	CHELSON	
1678	141	BLACK ORCHIDA	B/S	MAHAJAN	1	6.25	07/02/94	0.8/1.0	07/02/94	6.25	0.58	0.04	2.63	4.50	28.00	28.00		
1670	141	BLACK ORCHIDA	B/F/6	L. TECH	1	12.00	07/02/94	0.8/1.0	07/02/94	9.00	0.84	0.08	5.04	6.75	43.75	25.00		
1686	143	SHELLY BRIAR ORCHID	W/F/6	AMINSON	1	11.25	09/02/94	1.4/1.6	09/02/94	6.75	0.63	0.08	4.73	6.00	46.67	11.11	NICCO	
1687	143	VIN ROUGE ORCHID	W/F/6	AMINSON	1	12.00	09/02/94	1.2/1.4	09/02/94	7.00	0.65	0.08	5.04	5.75	52.08	17.86	NICCO	
1688	143	TROSSACK PATINA	W/F/6	AMINSON	1	13.25	09/02/94	1.2/1.4	09/02/94	5.00	0.46	0.09	5.57	4.25	67.92	15.00	NICCO	
1689	143	REPHEL PATINA	B/F/6	SUPER	1	15.00	09/02/94	1.2/1.4	09/02/94	5.50	0.51	0.11	6.30	4.50	70.00	18.18		
1688	0	TROSSACK PATINA	T/F/6		1	5.00	10/02/94	1.2/1.4	10/02/94	4.50	0.42	0.04	2.10	4.25	15.00	5.56	NICCO	
1691	144	BLACK PATINA	W/F/6	AMINSONS	1	13.50	11/02/94	1.4/1.6	11/02/94	8.00	0.74	0.09	5.67	7.50	44.44	6.25	NICCO	
1700	146	BLACK FLUER MM	B/S	SUNRISE	1	8.00	17/02/94	1.6/1.8	17/02/94	7.75	0.72	0.06	3.36	6.75	15.63	12.90	WINGS	
1698	146	BROWN FLAMENCO	W.F.6	KOHSIN	1	3.75	17/02/94	0.8/1.0	17/02/94	3.25	0.30	0.03	1.58	2.75	26.67	15.38	TOSCANA	
1701	146	BLACK FLAMENCO	W.F.6	KOHSINE	1	7.25	17/02/94	0.8/1.0	17/02/94	5.75	0.53	0.05	3.05	4.75	34.48	17.39	TOSCANA	
1702	146	DYAK ORCHID	B/S	L B I	1	6.00	17/02/94	1.0/1.2	17/02/94	5.00	0.46	0.04	2.52	4.50	25.00	10.00	TOSCANA	
1703	146	BLACK FLEMENCO	B.F.6	LEATH TECH	1	6.50	17/02/94	0.8/1.0	17/02/94	3.50	0.33	0.05	2.73	3.50	46.15	0.00	TOSCANA	
1704	146	BROWN FLEMENCO	T/S	LAMIPEL	1	6.00	17/02/94	1.0/1.2	17/02/94	3.25	0.30	0.04	2.52	3.25	45.83	0.00	TOSCANA	
1705	146	BLACK FLEMENCO	RED GO	BIDARBHA	1	6.00	17/02/94	0.8/1.0	17/02/94	3.00	0.28	0.04	2.52	2.75	54.17	8.33	TOSCANA	
1693	146	TITIAN BROWN SAT HEL	T/S	MAHAJAN	1	7.75	17/02/94	1.0/1.2	17/02/94	6.00	0.56	0.05	3.26	5.50	29.03	8.33		

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SELF

1706	147	TARSUS ORCHID	B/S	L B I	1	7.75	18/02/94	1.0/1.2	18/02/94	5.50	0.51	0.05	3.26	5.00	35.48	9.09	Mr. DANISH
1708	148	shelly brair orchid	T/S	LAMIPEL	1	5.50	19/02/94	1.4/1.6	19/02/94	5.00	0.46	0.04	2.31	4.50	18.18	10.00	BATA
1709	148	VIN ROUGE ORCHID	T/S	LAMIPEL	1	5.75	19/02/94	1.4/1.6	19/02/94	4.75	0.44	0.04	2.42	4.50	21.74	5.26	PRESIDENCY
1710	148	SHELLY BRAIR ORCHOD	T/S	LAMIPEL	1	5.00	19/02/94	1.4/1.6	19/02/94	4.75	0.44	0.04	2.10	4.25	15.00	10.53	ANAIKAR
1699	148	DYAK ORCHID	T/S	MAHAJAN	3	22.25	19/02/94	1.4/1.6	19/02/94	18.25	1.70	0.16	9.35	16.25	26.97	10.96	H L L
1714	149	BLACK ORCHID	B/S	JOINERY	11	88.25	21/02/94	1.2/1.4	21/02/94	100.00	9.29	0.62	37.07	80.25	9.07	19.75	H L L
1715	149	BLACK ORCHID	B/S	JOINERY	1	4.50	21/02/94	1.2/1.4	21/02/94	4.75	0.44	0.03	1.89	4.00	11.11	15.79	ANAIKAR
1713	149	TARSUS ORCHID	B/S	SUPER	3	39.00	21/02/94	1.0/1.2	21/02/94	22.25	2.07	0.27	16.38	19.50	50.00	12.36	Mr. DANISH
1681	149	TARSUS ORCHID	W/S	JOINERY	1	8.00	21/02/94	1.4/1.6	21/02/94	4.50	0.42	0.06	3.36	3.75	53.13	16.67	LAKHANI
1716	151	BLACK V2 AMBER	B/S	SUPER	1	6.50	24/02/94	1.4/1.6	24/02/94	6.75	0.63	0.05	2.73	3.75	42.31	44.44	LAKHANI
1719	152	BLACK PATENT	B/F/B	LEDH TECH	1	12.50	28/02/94	0.8/1.0	28/02/94	10.00	0.93	0.09	5.25	8.00	36.00	20.00	PONDS

59

482.25

397.25

36.91

3.38

202.55

335.25

30.48

15.61

BEST BILT LEATHER LTD.  
DAILY FOIL CONSUMPTION REPORT

PAGE:

1

FROM: 20/01/94

TO: 27/01/94

DATE	WORK ORDER	FOIL NAME	RECEIVED QUANTITY	CONSUMED QUANTITY	RETURNED QUANTITY	REJECTED QUANTITY
20/01/94	1514	SAFARI SAT HEL	0.00	15.68	-15.68	0.00
24/01/94	1621	BLACK SBM OIL PULLUP	20.05	0.37	19.68	0.00
24/01/94	1618	WORCESTAR FLUER MM	4.15	0.67	3.48	0.00
25/01/94	1619	BLACK ORCHID	27.50	2.93	24.57	0.00
25/01/94	1624	BLACK ZEPHYR	24.00	0.63	23.37	0.00
25/01/94	1629	SAFARI SAT HEL	2.00	0.53	1.47	0.00
25/01/94	1630	SHELLY BRAIR ORCHID	13.69	0.52	13.17	0.00
25/01/94	1634	NUTMEG	0.00	49.22	-49.22	0.00
25/01/94	1635	DOGWOOD	170.31	31.00	139.31	0.00
27/01/94	1655	RAGHUSA ORCHID	0.55	0.00	0.55	0.00
27/01/94	1652	VIN ROUGH ORCHID	5.56	0.54	5.02	0.00
27/01/94	1649	SAFARI SAT HEL	0.00	8.68	-8.68	0.00
27/01/94	1653	BLACK PATINA	15.00	0.16	14.84	0.00
27/01/94	1648	BURGANDY SBM OIL PULLUP	20.20	0.55	19.65	0.00
27/01/94	1747	BLACK SBM OIL PULLUP	19.68	0.55	19.13	0.00
27/01/94	1644	LUGGAGE TAMARAU	8.15	0.53	7.62	0.00
27/01/94	1643	WORCESTAR FLUER MM	3.48	0.79	2.69	0.00
27/01/94	1642	BLACK ZEPHYR	0.00	0.63	-0.63	0.00
27/01/94	1656	TROSSACK PATINA	10.00	0.39	9.61	0.00
			344.32	114.37	229.95	0.00

**BEST BILT LEATHER LTD.  
MTHLY. PRODN. REPORT (PARTY WISE)  
(BULK PRODUCTION)**

**PARTY: FARIDA**  
PAGE: 1

DATE: 31/03/94

MONTH: MARCH 1994

WO. NO.	LOT NO.	FOIL NAME	CRUST NATURE	ORIGIN	QTY. (PCS)	QTY. (SQF)	ISSUE_DT.	SUBS.	LAM_DT.	FOIL (SQF)	FOIL (SQM)	ADH (Kg.)	HARD (Gr.)	END AREA	CR (%) WASTE	FL (%) WASTE	RMKS
1378	905	BLACK ZEPHYR	B/S	SUPER	200	3169.00	01/12/93	1.2/1.4	02/12/93	2712.40	251.99	12.00	600.00	2419.75	23.64	10.79	
1378	906	BLACK ZEPHYR	B/S	SUPER	198	2809.00	03/12/93	1.2/1.4	03/12/93	2968.66	275.80	11.00	550.00	2482.00	11.64	16.39	
1378	907	BLACK ZEPHYR	B/S	SUPER	202	3129.75	03/12/93	1.2/1.4	03/12/93	2583.31	240.00	11.00	660.00	2307.50	26.27	10.68	
1378	908	BLACK ZEPHYR	B/S	SUPER	277	3814.00	03/12/93	1.2/1.4	04/12/93	3568.41	331.52	15.00	900.00	3138.75	17.70	12.04	
1606	913	BLACK ZEPHYR	B/S	SUPER	198	3222.00	19/01/94	1.2/1.4	20/01/94	2629.50	244.29	22.50	1130.00	2312.00	28.24	12.07	
1606	914	BLACK ZEPHYR	B/S	SUPER	228	3643.75	19/01/94	1.2/1.4	21/01/94	3013.25	279.94	25.50	1275.00	2614.25	28.25	13.24	
1606	915	BLACK ZEPHYR	B/F/G	AMINSONS	100	1562.75	21/01/94	1.2/1.4	21/01/94	1242.75	115.46	11.00	550.00	1094.25	29.98	11.95	
<b>PARTY TOTAL:</b>					1403	21350.25				18718.28	1739.00	108.00	5665.00	16368.50	23.33	12.55	

**BEST BILT LEATHER LTD.  
MTHLY. PRODN. REPORT (PARTY WISE)  
(BULK PRODUCTION)**

**PARTY: H L L**  
PAGE: 2

DATE: 31/03/94

MONTH: MARCH 1994

WO. NO.	LOT NO.	FOIL NAME	CRUST NATURE	ORIGIN	QTY. (PCS)	QTY. (SQF)	ISSUE_DT.	SUBS.	LAM_DT.	FOIL (SQF)	FOIL (SQM)	ADH (Kg.)	HARD (Gr.)	END AREA	CR (%) WASTE	FL (%) WASTE	RMKS
1714	149	BLACK ORCHID	B/S	JOINERY	11	88.25	21/02/94	1.4/1.6	21/02/94	100.00	9.29	0.00	0.00	80.25	9.07	19.75	
<b>PARTY TOTAL:</b>					11	88.25				100.00	9.29	0.00	0.00	80.25	9.07	19.75	

BEST BILT LEATHER LTD.  
MTHLY. PRODN. REPORT (FOIL WISE)  
(BULK PRODUCTION)

FOIL: BLAC ORCHID  
PAGE: 1

MONTH: FEBRUARY 1994

DATE: 03/03/94

WO. NO.	LOT NO.	PARTY NAME	CRUST NATURE	ORIGIN	QTY. (PCS)	QTY. (SQF)	ISSUE_DT.	SUBS.	LAM_DT.	FOIL (SQF)	FOIL (SQM)	ADH (Kg.)	HARD (Gr.)	END AREA	CR (%) WASTE	FL (%) WASTE	RMKS
1633	136	SIGNATURE	W/S	L B I	74	967.25	29/01/94	1.4/1.6	08/02/94	925.75	86.01	8.75	525.00	834.00	13.78	9.91	
FOIL TOTAL:					74	967.25				925.75	86.01	8.75	525.00	834.00	13.78	9.91	

BEST BILT LEATHER LTD.  
MTHLY. PRODN. REPORT (FOIL WISE)  
(BULK PRODUCTION)

FOIL: BLACK ORCHID  
PAGE: 2

MONTH: FEBRUARY 1994

DATE: 03/03/94

WO. NO.	LOT NO.	PARTY NAME	CRUST NATURE	ORIGIN	QTY. (PCS)	QTY. (SQF)	ISSUE_DT.	SUBS.	LAM_DT.	FOIL (SQF)	FOIL (SQM)	ADH (Kg.)	HARD (Gr.)	END AREA	CR (%) WASTE	FL (%) WASTE	RMKS
1633	138	SIGNATURE	T/S	MIXED	106	928.50	02/02/94	1.4/1.6	08/02/94	773.00	71.81	7.50	445.00	725.50	21.86	6.14	
1633	142	SIGNATURE	B/S	SUPER	51	341.75	08/02/94	1.4/1.6	08/02/94	361.50	33.58	2.75	163.00	302.75	11.41	16.25	
1633	142	SIGNATURE	T/S	MAHAJAN	90	889.00	18/02/94	1.4/1.6	18/02/94	690.50	64.15	5.20	312.00	675.75	23.99	2.14	
1633	147	SIGNATURE	B/S	SUNRISE	19	172.25	18/02/94	1.2/1.4	18/02/94	140.00	13.01	1.00	60.00	137.50	20.17	1.79	
1633	148	SIGNATURE	T/S	KOHSIN	21	223.50	19/02/94	1.4/1.6	21/02/94	165.00	15.33	2.00	115.00	155.00	30.65	6.06	
FOIL TOTAL:					361	3522.25				3055.75	283.89	27.20	1620.00	2830.50	19.64	7.37	

BEST BILT LEATHER LTD.  
MTHLY. PRODN. REPORT (FOIL WISE)  
(BULK PRODUCTION)

FOIL: DOGWOOD  
PAGE: 3

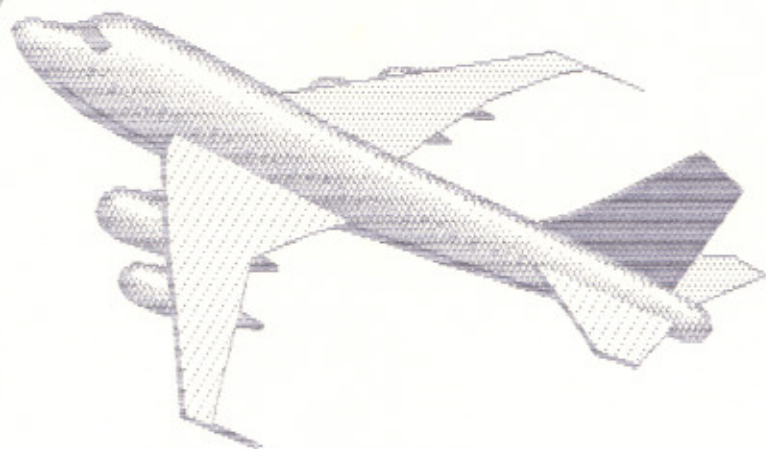
MONTH: FEBRUARY 1994

DATE: 03/03/94

WO. NO.	LOT NO.	PARTY NAME	CRUST NATURE	ORIGIN	QTY. (PCS)	QTY. (SQF)	ISSUE_DT.	SUBS.	LAM_DT.	FOIL (SQF)	FOIL (SQM)	ADH (Kg.)	HARD (Gr.)	END AREA	CR (%) WASTE	FL (%) WASTE	RMKS
1635	138	SIGNATURE	T/S	MIXED	21	147.50	02/02/94	1.4/1.6	07/02/94	129.25	12.01	1.17	70.00	112.75	23.56	12.77	
FOIL TOTAL:					382	3669.75				3185.00	295.90	28.37	1690.00	2943.25	19.80	7.59	

\*\*\*\*\*  
\* ANNEXURE II \*  
\*\*\*\*\*

EXPORT



IMPORT

## ANNEXURE II

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2.2 File Specifications.	8.
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3. DATABASE STRUCTURES.	11.
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\*\*\*\*\*  
\* SYSTEM ANALYSIS \*  
\*\*\*\*\*

## SYSTEM ANALYSIS

The system analysis phase was conducted to study the operation of the existing system, in order to determine its working, the critical parameters such as the direction of flow of information, their volume and time limits for the exchange of information.

The analysis phase consisted of the following major activities.

1. Study of the existing system.
2. Searching the problem by interviewing the personnel involved in the operation.
3. Defining the problem.
4. Selection of feasible solution.

### 1. STUDY OF EXISTING SYSTEM

This study was done in order to get into the working of the existing system. The interview with the Commercial Executive helped me to develop the preliminary reports about the system's working. The main features of this report was the direction of flow of information in the system.

The next stage was to determine the type of information that flowed from one end of the system to the another and also the processing done on the information and identification of these processing stages.

2. Searching the Problem by interviewing the personnel involved in the operation.

After gaining some knowledge about the existing system, extensive and exhaustive interviews were conducted with the personnel involved i.e. Commercial executive.

The interviews were conducted under the following guidelines :

- (i) The basic process.
- (ii) The interviewee's role in system's working.
- (iii) The documents used by the interviewee.
- (iv) The problems faced by the interviewee, if any.

The interview conducted helped to determine the problems faced by the Commercial Executives.

3. Defining the problem :

From the extensive data collected during the execution of the study and interview phases, the end users' exact problems were identified and the problem is defined by listing out all the requirements.

The commercial executive being the whole incharge of all the leather divisions of Thapar group requires the export and import details i.e. Export licence details, Invoices details, PCL details, Contract details, Letter of credit details and currency details etc.

As being manual the exact problem with the export information system was not getting the proper informations or it was very difficult to extract information from the registers which were manually maintained.

#### 4. Selection of Feasible Solution

A feasible solution for the new system was selected keeping in mind

- The end user's requirements.
- The Flaws and deficiency in the existing system.
- The rules and regulation of export.

The selection phase took care of the use's abilities to handle the computer operations so that the operations could be conducted with minimal of fuss and delay.

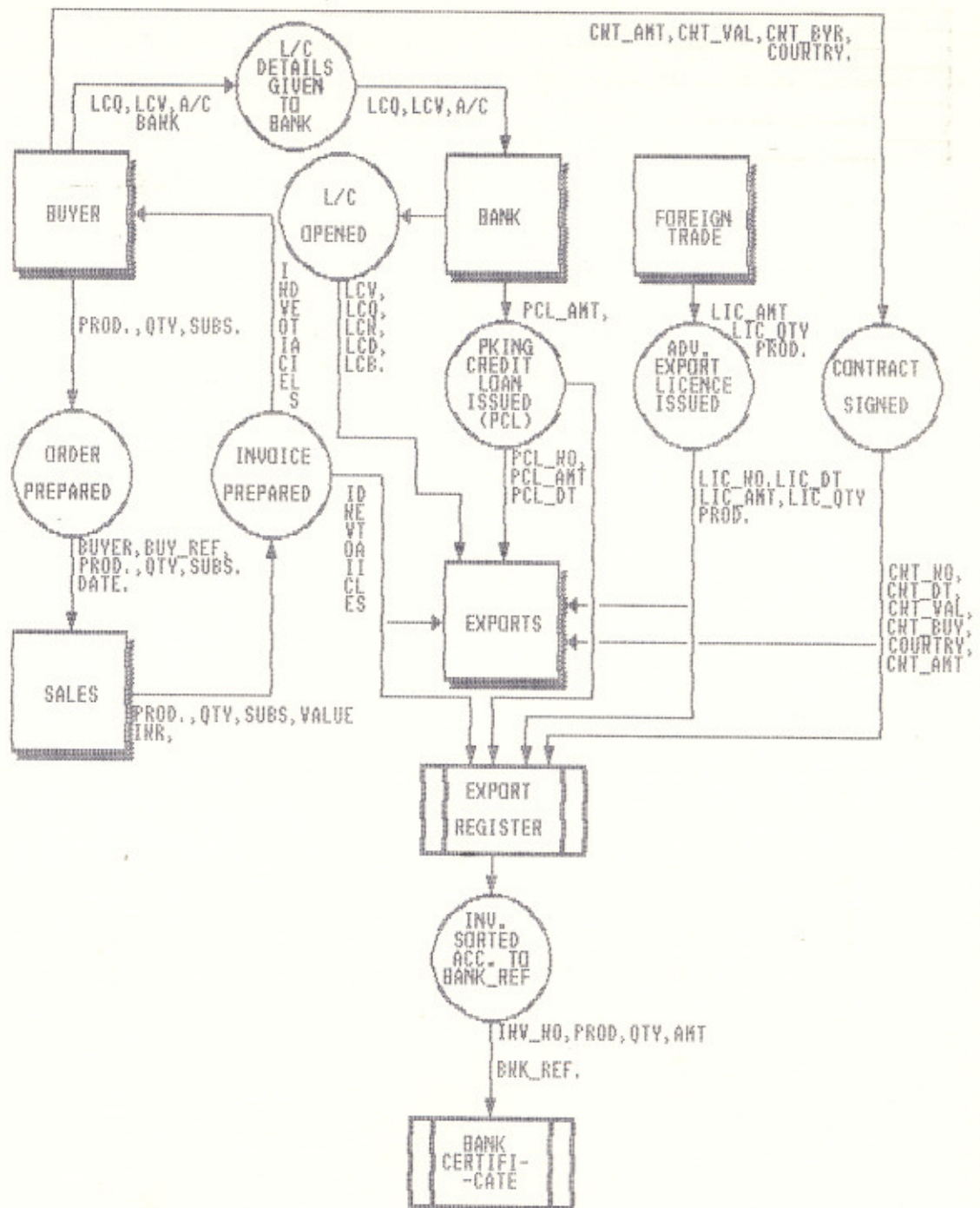
#### 4. Selection of Feasible Solution

A feasible solution for the new system was selected keeping in mind

- The end user's requirements.
- The Flaws and deficiency in the existing system.
- The rules and regulation of export.

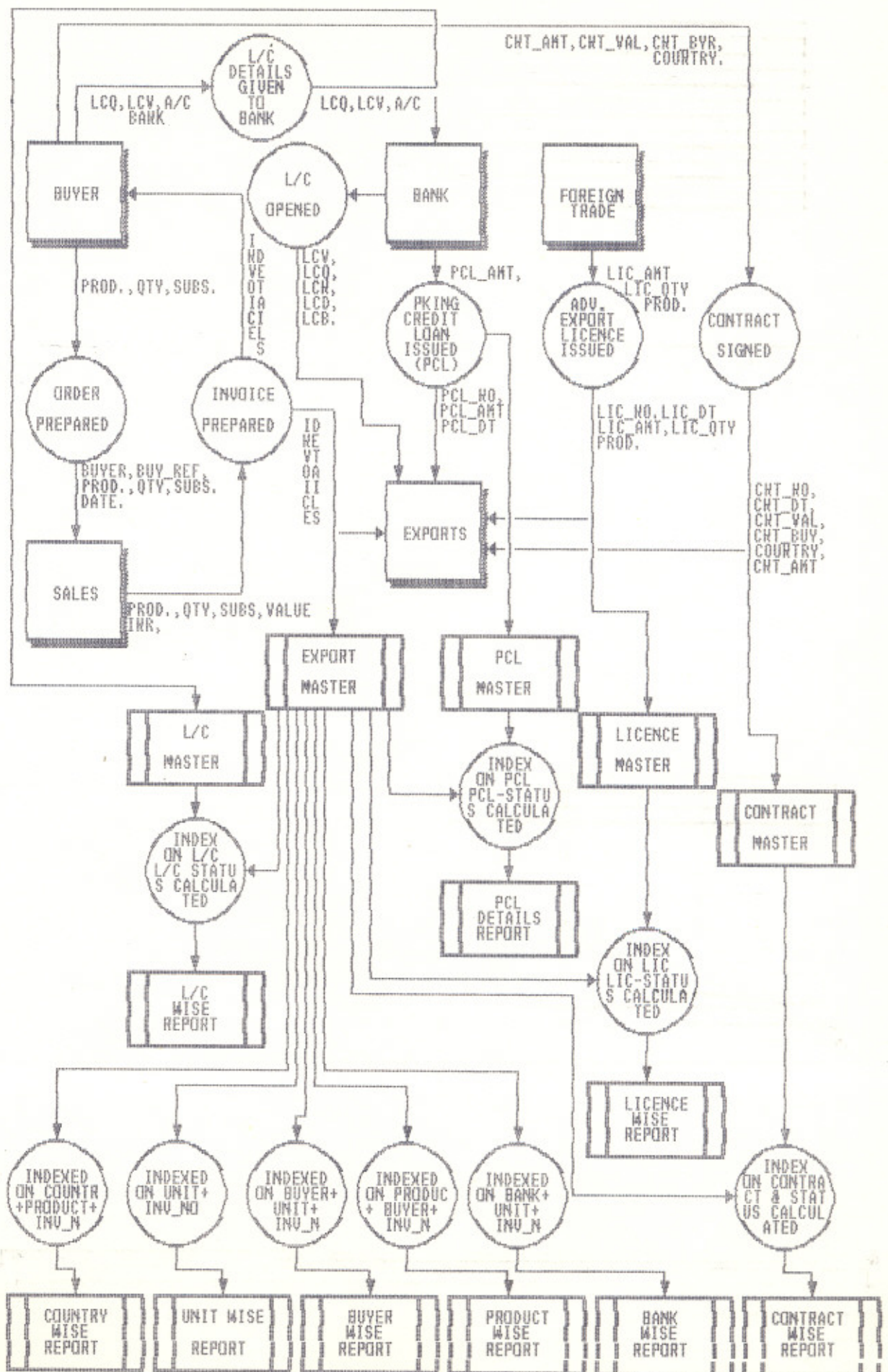
The selection phase took care of the use's abilities to handle the computer operations so that the operations could be conducted with minimal of fuss and delay.

# EXPORTS-EXISTING SYSTEM (MANUAL)

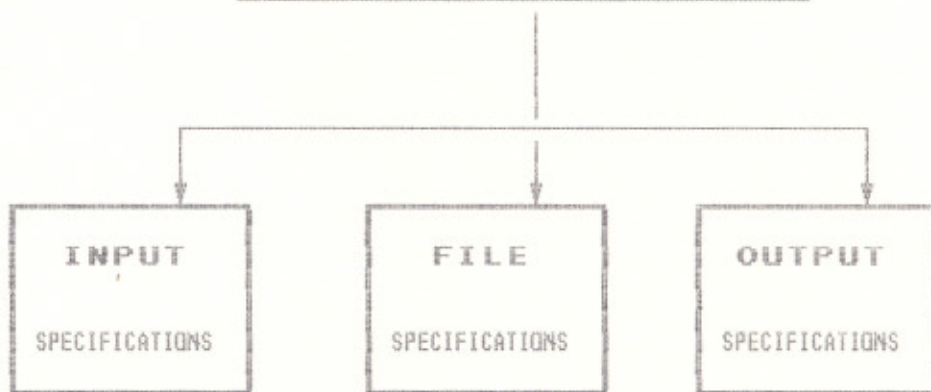


\*\*\*\*\*  
\* SYSTEM DESIGN \*  
\*\*\*\*\*

# EXPORTS-PROPOSED SYSTEM (COMPUTERISED)



LOGICAL SYSTEM DESIGN



## SYSTEM DESIGN

### EXPORT PERFORMANCE MANAGEMENT INFORMATION SYSTEM

An overview of the proposed and designed system is shown in fig at Pg.: 5.

The logical design of the system consists of the following :

- (i) Input Specifications.
- (ii) File Specifications.
- (iii) Output Specifications.

#### (i) Input Specifications :

(a) Each and every invoice for a particular consignment is entered into the system i.e in Export.dbf(Invoice Master).  
Ref. Pg.: 23.

(b) The current rate of the foreign currency is entered directly into the CUR.DBF(Currency register).  
The rate is used to calculate the Indian value of whatever is exported. After calculating the value in Indian rupees It is automatically edited in invoice master(Field: INR).

Ref. Pg.: 25.

(c) When we get a Export Licence in Advance, the Licence master is to be appended with this Licence. It is used to have a check on the Import/Export Obligations.

Ref. Pg.: 29.

(d) The new Contract signed with the customer is to be appended in the CONTRACT.DBF(Contract Master). It is used to have a check on the outstanding Contracts.

Ref. Pg.: 26.

## SYSTEM DESIGN

### EXPORT PERFORMANCE MANAGEMENT INFORMATION SYSTEM

An overview of the proposed and designed system is shown in fig at Pg.: 5.

The logical design of the system consists of the following :

- (i) Input Specifications.
- (ii) File Specifications.
- (iii) Output Specifications.

#### (i) Input Specifications :

(a) Each and every invoice for a particular consignment is entered into the system i.e in Export.dbf(Invoice Master).  
Ref. Pg.: 23.

(b) The current rate of the foreign currency is entered directly into the CUR.DBF(Currency register).  
The rate is used to calculate the Indian value of whatever is exported.After calculating the value in Indian rupees It is automatically edited in invoice master(Field: INR).

Ref. Pg.: 25.

(c) When we get a Export Licence in Advance,the Licence master is to be appended with this Licence.It Is used to have a check on the Import/Export Obligations.

Ref. Pg.: 29.

(d) The new Contract signed with the customer is to be appended in the CONTRACT.DBF(Contract Master).It is used to have a check on the outstanding Contracts.

Ref. Pg.: 26.

(e) Packing Credit Loans :

Every New PCL. is feeded in PCL.DBF(PCL Master).It is used to check outstanding loans.

Ref. Pg.: 28.

(f) L/C(Letter Of Credit :

When the customer opens his L/C in (Best Bilt)/(Bilt) Banks,the entry is made into the L/C Master.(LC.DBF).

(ii) File Specifications :

The File Specifications for the system are :

(a) Invoice Master. -EXPORT.DBF-

Structure:

Ref. Pg.: 11.

(b) Currency Master. -CUR.DBF-

Structure:

Ref. Pg.: 13.

(c) Licence Master. -LIC.DBF-

Structure:

Ref. Pg.: 12.

(d) Contract Master. -CONTRACT.DBF-

Structure:

Ref. Pg.: 13.

(e) PCL Master. -PCL.DBF-

Structure:

Ref. Pg.: 13.

(f) L/C Master. -LC.DBF-

Structure:

Ref. Pg.: 14.

(iii) Output Specifications:

**(a) Country Wise Report:**

Uses EXPORT.DBF index EXP\_COUNTRY.IDX

KEY: COUNTRY + PRODUCT + INV\_NO

Ref. Pg.: 30.

**(b) Unit wise Report:**

Uses EXPORT.DBF index EXP\_UNIT.IDX

KEY: UNIT + INV\_NO

Ref. Pg.: 31.

**(c) Buyer Wise Report:**

Uses EXPORT.DBF index EXP\_BUYER.IDX

KEY: BUYER + UNIT + INV\_NO

Ref. Pg.: 32.

**(d) Product Wise:**

Uses EXPORT.DBF index EXP\_PRODUCT.IDX

KEY: PRODUCT + BUYER + INV\_NO

Ref. Pg.: 33.

**(e) Bank Wise:**

Uses EXPORT.DBF index EXP\_BANK.IDX

KEY: BANK + UNIT + INV\_NO

Ref. Pg.: 34.

**(f) Monthly Report:**

Uses EXPORT.DBF index EXP\_DT.IDX

KEY: DATE

Ref. Pg.: 35.

**(g) Contract Wise Report:**

Uses EXPORT.DBF index EXP\_CONT.IDX (KEY: CNT\_NO)  
CONTRACT.DBF index CONTRACT.IDX (KEY: CONT\_NO)

Ref. Pg.: 36.

**(h) Licence Wise Report :**

Uses EXPORT.DBF index EXP\_LIC.IDX (KEY: LIC\_NO)  
EXPORT.DBF index EXP\_LIC1.IDX (KEY: LIC\_NO1)  
LIC.DBF index LIC.IDX (KEY: LIC)

Ref. Pg.: 37.

**(i) PCL Details:**

Uses EXPORT.DBF index EXP\_PCL.IDX (KEY: PCL\_NO)  
EXPORT.DBF index EXP\_PC.IDX (KEY: PCL\_NO1)

Ref. Pg.: 38.

**(j) L/C Details :**

Uses EXPORT.DBF index EXP\_LC (KEY: LC)  
LC.DBF index LC.IDX (KEY: LCN)

Ref. Pg.: 39.

DATABASE : U:\HOME\DATABASE\EXPORT\EXPORT.DBF

Field	FLD Name	Type	Width	Dec	Description
1	INV_NO	Character	8		Invoice Number.
2	DATE	Date	8		Invoice Date.
3	QTY	Numeric	15	2	Ist Licence Qty.
4	F_CUR	Character	.4		Foreign Currency.
5	CURRENCY	Numeric	12	2	Ist Licence Amount.
6	INR	Numeric	15	2	Indian Rupee.
7	BUYER	Character	10		Customer.
8	COUNTRY	Character	9		Buyer's Country.
9	LC	Character	15		Letter Of Credit
10	PRODUCT	Character	8		Product.
11	UNIT	Character	6		Unit(Leather Units).
12	ACT_REL	Numeric	10	2	Amount Realised.
13	FREIGHT	Numeric	10	2	Freight.
14	INS	Numeric	10	2	Insurance.
15	COMM	Numeric	10	2	Commission.
16	BANK	Character	10		Bank.
17	BNK_REF	Character	10		Bank Referance.
18	CONT_NO	Character	15		Contract Number.
19	PCL_NO	Character	10		Ist PCL Number.
20	PCL_ADJ	Numeric	15	2	Ist PCL Adjusted(Amt.).
21	PCL_NO1	Character	10		IInd PCL Number(If Any).
22	PCL_ADJ1	Numeric	15	2	IInd PCL Adjusted(Amt.).
23	LIC_NO	Character	15		Ist Licence Number.
24	LIC_NO1	Character	15		IInd Licence No.(If Any).
25	QTY1	Numeric	15	2	IInd Licence Qty.
26	CURRENCY1	Numeric	12	2	IInd Licence Currency.

INDEX FILE : U:\HOME\DATABASE\EXPORT\EXP\_INV "INV\_NO"  
INDEX FILE : U:\HOME\DATABASE\EXPORT\EXP\_COUNTRY "COUNTRY+PRODUCT+INV\_NO"  
INDEX FILE : U:\HOME\DATABASE\EXPORT\EXP\_UNIT "UNIT+INV\_NO"  
INDEX FILE : U:\HOME\DATABASE\EXPORT\EXP\_BUYER "BUYER+UNIT+INV\_NO"  
INDEX FILE : U:\HOME\DATABASE\EXPORT\EXP\_PROD "PRODUCT+BUYER+INV\_NO"  
INDEX FILE : U:\HOME\DATABASE\EXPORT\EXP\_BANK "BANK+UNIT+INV\_NO"  
INDEX FILE : U:\HOME\DATABASE\EXPORT\EXP\_DT "DATE"  
INDEX FILE : U:\HOME\DATABASE\EXPORT\EXP\_LIC "LIC\_NO"  
INDEX FILE : U:\HOME\DATABASE\EXPORT\EXP\_CONT "CONT\_NO"  
INDEX FILE : U:\HOME\DATABASE\EXPORT\EXP\_PCL "PCL\_NO"  
INDEX FILE : U:\HOME\DATABASE\EXPORT\EXP\_LC "LC"

DATABASE : U:\HOME\DATABASE\EXPORT\LIC.DBF

Field	Fld Name	Type	Width	Dec	Description
1	P_FIX	Character	5		Prefix of LIC. NO.
2	LIC	Character	15		Licence Number.
3	S_FIX	Character	15		Postfix of LIC. NO.
4	DT	Date	8		Licence Date.
5	DEEC	Numeric	10		DEEC NO.
6	UNIT	Character	4		Unit no.
7	CIF	Numeric	15	2	CIF.
8	EX_PR	Character	4		Export Product.
9	EX_VL	Numeric	15	2	Export Product Value.
10	EX_QT	Numeric	15	2	Export Product Qty.
11	IM_FL	Numeric	15	2	Import Foil.
12	IM_FL_VL	Numeric	15	2	Import Foil Value.
13	IM_AD	Numeric	15	2	Import Adhesive.
14	IM_AD_VL	Numeric	15	2	Import Adhesive Value.
15	IM_HD	Numeric	15	2	Import Hardner.
16	IM_HD_VL	Numeric	15	2	Import Hardner Value.
17	IMU_FL	Numeric	15	2	Imported Used Foil
18	IMU_FL_VL	Numeric	15	2	Imp. Used Foil Value.
19	IMU_AD	Numeric	15	2	Imported Used Adhesive.
20	IMU_AD_VL	Numeric	15	2	Imp. Used Adhesive Value.
21	IMU_HD	Numeric	15	2	Imported Used Hardner.
22	IMU_HD_VL	Numeric	15	2	Imp Used Hardner Value.
23	RMK	Character	15		Remarks.

INDEX FILE : U:\HOME\DATABASE\EXPORT\LIC "LIC"

DATABASE : U:\HOME\DATABASE\EXPORT\PCL.DBF

Field	Fld. Name	Type	Width	Dec	Description
1	PC_NO	Character	10		PCL Number.
2	PCL_AMT	Numeric	16	2	PCL Amount
3	PCL_ADV	Numeric	16	2	PCL Advance.
4	PCL_BANK	Character	10		PCL bank.
5	PCL_REF	Character	15		PCL Reference.

INDEX FILE : U:\HOME\DATABASE\EXPORT\PCL "PC\_NO"

DATABASE : U:\HOME\DATABASE\EXPORT\CONTRACT.DBF

Field	Fld. Name	Type	Width	Dec	Description
1	CNT_NO	Character	15		Contract Number.
2	CNT_QTY	Numeric	16	2	Contract Quantity.
3	CUR	Character	5		Currency.
4	CNT_VAL	Numeric	16	2	Contract Value.
5	CNT_BYR	Character	10		Contract Buyer.
6	COUNTRY	Character	10		Country.
7	UNIT	Character	5		Unit.

INDEX FILE : U:\HOME\DATABASE\EXPORT\CONTRACT "CNT\_NO"

DATABASE : U:\HOME\DATABASE\EXPORT\CUR.DBF

Field	Fld Name	Type	Width	Dec	Description
1	CURR	Char	4		Foreign Currency
2	RATE	Numeric	6	2	Rate of Currency

INDEX FILE : U:\HOME\DATABASE\EXPORT\CUR "CURR"

DATABASE: U:\HOME\DATABASE\EXPORT\LC.DBF

Field	Field Name	Type	Width	Dec	Description
1	LCN	Character	15		L/C Number.
2	LCD	Date	8		L/C Date.
3	LCQ	Numeric	15	2	L/C Quantity.
4	LCV	Numeric	15	2	L/C Value.
5	LCB	Character	15		L/C Owner.

INDEX FILE : U:\HOME\DATABASE\EXPORT\LC "LCN"

The programs in EXPORT PERFORMANCE MANAGEMENT INFORMATION SYSTEM utilizes the following modules.

- (i) File Handling Module.
- (ii) Menu Handling Module.
- (iii) Printer Handling Module.

(i) FILE HANDLING MODULE :

The file handling module consists of three parts.

- (a) Opening of files which includes allocation of memory.
- (b) File functions for performing operations on the database files.
- (c) Closing of files and freeing the memory allocated.

(ii) MENU HANDLING MODULE :

The menu handling module consists of three parts.

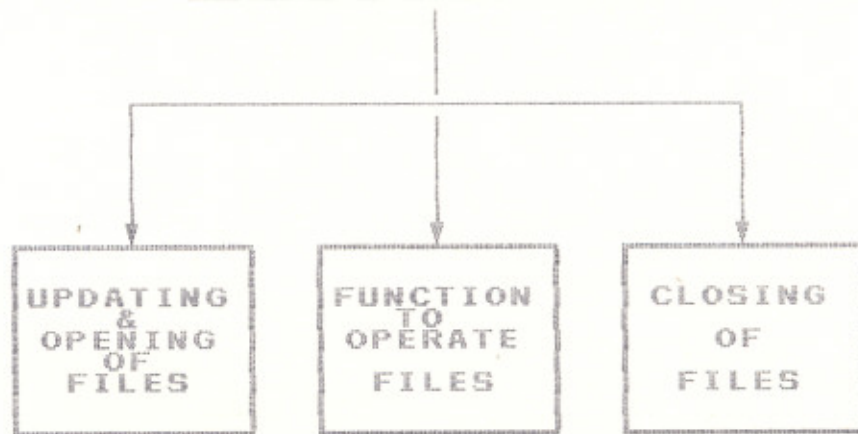
- (a) Initalising the structure components of the menu structure.
- (b) Displaying the Menu options on the screen.
- (c) Selecting a menu option.

(iii) PRINTER HANDLING MODULE :

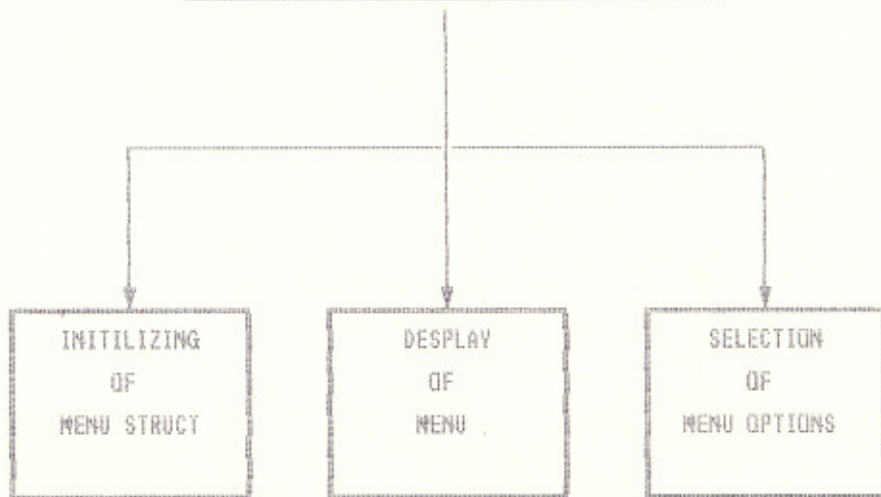
The printer handling module consists of two parts.

- (a) Initalising the structure components of the printer structure.
- (b) Printing the report.

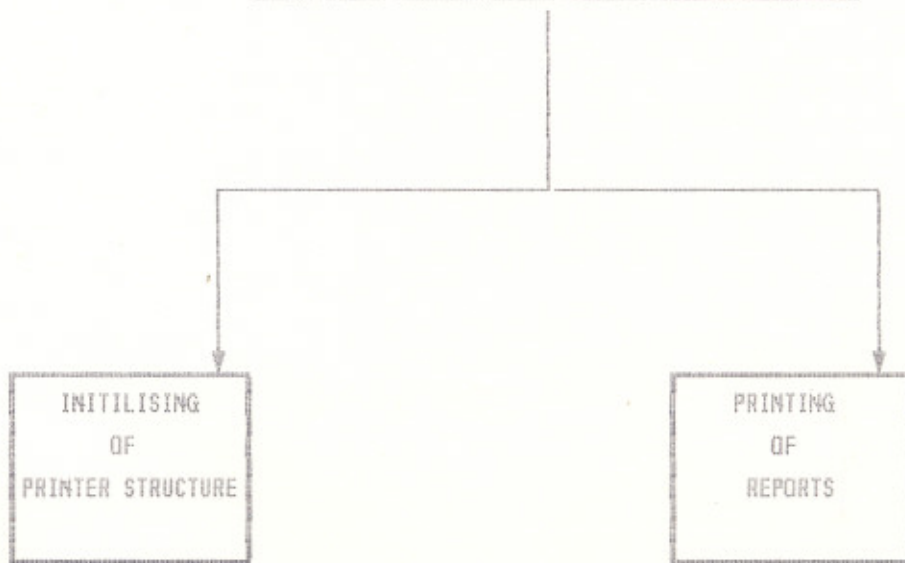
FILE HANDLING MODULE



MENU HANDLING MODULE

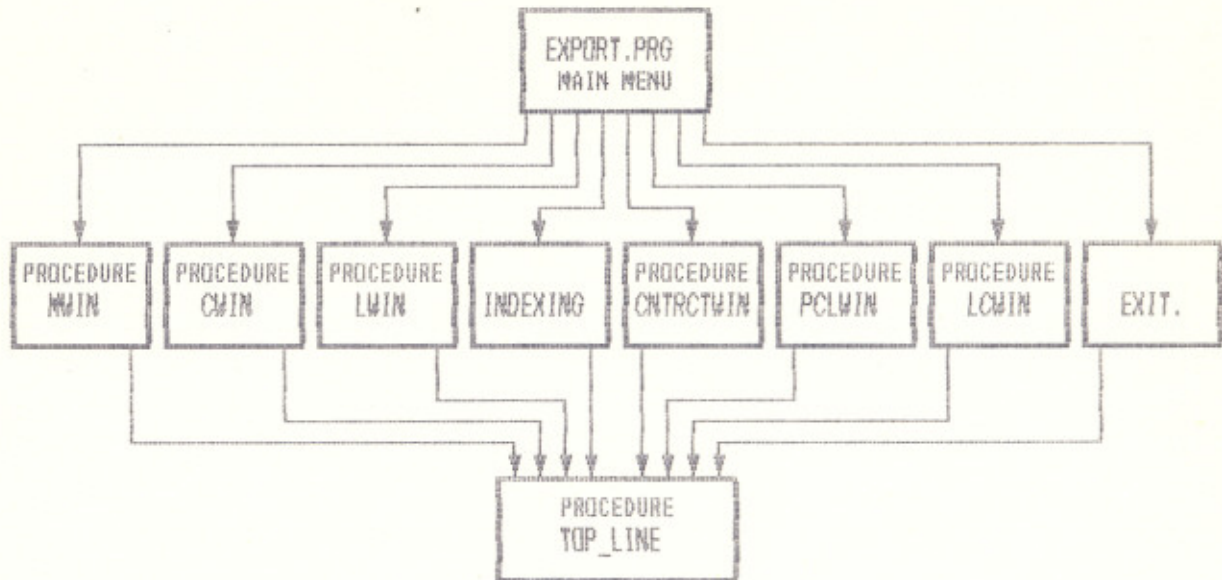


PRINTER HANDLING MODULE



# STRUCTURE CHART

## EXPORT PERFORMANCE MANAGEMENT INFORMATION SYSTEM



MAIN : APPENDS INVOICE MASTER(EXPORT.DBF)

CMIN : APPENDS CURRENCY MASTER(CUR.DBF)

LWIN : APPENDS LICENCE MASTER(LICENCE.DBF)

TOP\_LINE : PRINTS THE HEAD-LINE FOR EACH MODULE ON THE TOP OF THE SCREEN.

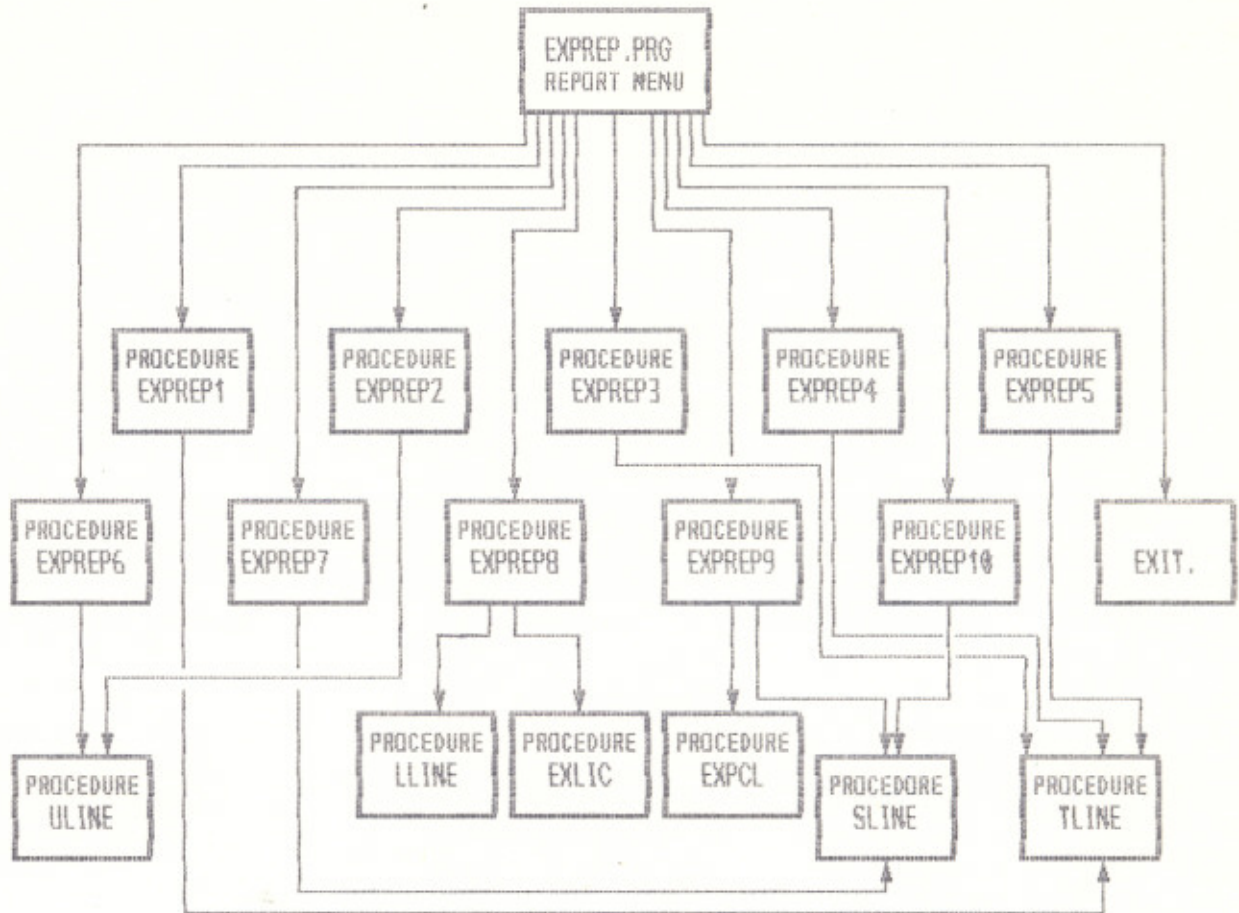
CNTRCTWIN : APPENDS CONTRACT MASTER(CONTRACT.DBF)

PCLWIN : APPENDS PCL MASTER(PCL.DBF)

LCWIN : APPENDS LC MASTER(LC.DBF)

# STRUCTURE CHART

## EXPORT PERFORMANCE MANAGEMENT INFORMATION SYSTEM



EXPREP1 : COUNTRY WISE REPORT.

EXPREP2 : UNIT WISE REPORT.

EXPREP3 : BUYER WISE REPORT.

EXPREP4 : PRODUCT WISE REPORT.

EXPREP5 : BANK WISE REPORT.

ULINE : HEAD LINE(COUNTRY WISE & MTHLY REPORT).

TLINE : HEAD LINE(COUNTRY WISE, BUYER WISE,  
PRODUCT WISE, BANK WISE REPORTS).

LLINE : HEAD LINE(LICENCE WISE REPORT).

EXPREP6 : MONTHLY REPORT.

EXPREP7 : CONTRACT WISE REPORT.

EXPREP8 : LICENCE DETAILS.

EXPREP9 : PCL DETAILS.

EXPREP10 : L/C DETAILS.

SLINE : HEAD LINE(PCL WISE, L/C WISE,  
CONTRACT WISE REPORT)

EXLIC : TO CHECK INVOICES HAVING TWO  
LICENCES AGAINST IT.

EXPCL : TO CHECK INVOICES WHICH ADJUSTS  
TWO P.C.LOANS.

\*\*\*\*\*  
\* INPUT/OUTPUT REQUIREMENTS \*  
\*\*\*\*\*

\*\*\*\*\*  
\* INPUT FORMATS \*  
\*\*\*\*\*

### PROCEDURE MWIN

This procedure appends the Invoice master register. Every Invoice-no. with different details is feeded into invoice register(export.dbf) under this procedure. The function used to append the file is:

```
DEFINE WIND MWINDOW FROM 4,0 TO 23,79
```

```
BROWSE WIND MWINDOW TITLE "INVOICE REGISTER" FIELDS.....
```

All the information is feeded directly. The rate of the product and INR(Amount in Indian rupee) are calculated automatically by this procedure and edited in this procedure. No complications occur while appending the file except while feeding:

```
PCL_NO,PCL_ADJ,PCL_NO1,PCL_ADJ1,LIC_NO,LIC_NO1,QTY1,CURRENCY1.
```

The detail of all these fields are given on the next page.

PCL\_NO : The particular invoice has adjusted this PCL\_NO.

PCL\_ADJ : The particular invoice has adjsted this much amount of the particular PCL\_NO.

PCL\_NO1 : If an invoice has adjusted two PCLs with different amounts then this field is used to enter the 2nd PCL\_NO.

PCL\_ADJ1 : Amount adjusted of 2nd PCL.

LIC\_NO : The particular invoice is sent against this particular licence no.

QTY : Specifies the quantity adjusted in this licence.

CURRENCY : Specifies the amount adjusted in this licence.

LIC\_NO1 : If an invoice is sent against two licences then this field is used to feed the 2nd licence no.

QTY1 : The quantity adjusted in this 2nd licence.

CURRENCY1 : The amount adjusted in this 2nd licence.

MWIN

## Invoice Details

## INVOICE REGISTER

INVOICE NO.:	DATE:	QTY(Sft/Prs):	CURRENCY:	AMOUNT:	BUYER:	CO
LX-320	03/22/1994	900.00	\$	14400.00	THOM MCAN	USA
LX-321	03/22/1994	1104.00	\$	17664.00	THOM MCAN	USA
LX-322	03/22/1994	300.00	\$	4800.00	THOM MCAN	USA
LX-323	03/22/1994	804.00	\$	12864.00	THOM MCAN	USA
LX-324	03/22/1994	300.00	\$	4800.00	THOM MCAN	USA
LX-325	03/22/1994	204.00	\$	3264.00	THOM MCAN	USA
LX-326	03/22/1994	600.00	\$	9600.00	THOM MCAN	USA
LX-327	03/22/1994	108.00	\$	1728.00	THOM MCAN	USA
LX-328	03/22/1994	120.00	\$	1920.00	THOM MCAN	USA

; ^W - SAVE ; ^N - ADD ; ^T - DEL ;

### PROCEDURE CWIN

This procedure appends/edit the CURRENCY REGISTER (CUR.DBF)

CURRENCY	RATE
\$	30
GBP	45
DM	20

This file is used to calculate the total value of the foreign currency in Indian rupees. Whenever the invoice register is appended(export.dbf),the rate of foreign currency is retrieved from this currency master file to calculate INR.

### PROCEDURE CNTRCTWIN

This procedure is used to append the contract register ( master file for contracts. i.e. contract.dbf). This file is used to check the details of a particular contract. And the other information(e.g. which invoices have adjusted how much amount against this contract),are taken from invoice master(export.dbf) and the full details about the outstanding amount against a particular contract are calculated.

CWIN

Currency Details

CURRENCY REGISTER

CURRENCY :	RATE :
\$	30.00
DM	20.00
GBP	45.00
INR	1.00

! ^W - SAVE ! ^N - ADD ! ^T - DEL !

CNTRCTWIN

## Contract Details

## CONTRACT REGISTER

CONT. NO.:	QUANTITY:	VALUE	BUYER
LX 3/63	78000.75	127531.23	KYUSHU
LX 3/75	33552.00	54857.52	KYUSHU
LX 3/74	15052.00	24610.02	KYUSHU
LX 3/68	24878.00	323414.00	THOM MCAN
LX 3/64			
LX 3/78	4200.00	40950.00	MELDISCO
LX 3/46			
LX 4/01	185.75	471.81	ARMORTAN
LX 4/02	123.50	259.35	ARMORTAN
LX 4/03	2000.00	3200.00	ARMORTAN
LX 4/05	2800.00	4480.00	KYUSHU
LX 4/07	213771.50	272255.75	
LX 4/08	65460.00	1047360.00	THOM MCAN
LX 4/09	2760.00	40020.00	ATSCO
LX 4/10	29433.00		M.K.A
LX 4/11	20520.00	78162.00	KILM. SHOE

; ^W - SAVE ; ^N - ADD ; ^T - DEL ;

#### PROCEDURE PCLWIN

This procedure appends the PCL REGISTER i.e PCL.DBF .This file is used to know the PCL DETAILS (Packing Credit Loan). PCL\_AMT , PCL\_ADV,PCL\_BANK,PCL\_REF are taken from this file i.e PCL.DBF and the rest of the information i.e which invoices have adjusted a particular PCL and the outstanding PCL amount is calculated. .

#### PROCEDURE LWIN

This procedure appends the licence master register i.e LIC.DBF.Whenever the company gets the new licence for export the details for that licence are feeded in this licence master.To know the outstanding amount and quantity for a particular licence, the information is taken from invoice master(export.dbf). Percentage of quantity adjusted and value adjusted are also calculated.

PCLWIN

Pcl Details

## PCL. REGISTER

PCL. NO.:	PCL. AMOUNT:	PCL. ADVANCE	PCL. BANK	PCL. REFERENCE
12	5729000.00		DEUTSCHE	
12A	24192000.00		DEUTSCHE	
03/94	10006400.00		DEUTSCHE	
394	20000000.00		AMX	
221	0.00		CITI	
930010	1450000.00		BNP	
93/334	0.00		ANZ	
26	0.00		DEUTSCHE	
930049	6100000.00		BNP	
940001	7000000.00		BNP	
501	0.00		AMX	
418	9292000.00		AMX	

! ^W - SAVE ! ^N - ADD ! ^T - DEL !

LWIN

## Licence Details

## LICENCE REGISTER

P_FIX:	LICENCE NO:	S_FIX:	DATE:	DEEC NO:	UNIT:	CIF VALUE
P/W/	1524011	/C/XX/30/H/93	10/28/1993	0	F	96208
P/W/	2048631	/C/28/D/XX/92	10/21/1992	21573	F	25558
P/W/	2048964	/C/XX/28/D/92	11/18/1992	22180	F	28661
P/W/	2049667	/C/XX/29/D/92	02/09/1993	23450	F	32723
P/W/	2049668	/C/XX/29/D/92	02/09/1993	23751	F	51549
PL/	2107536	/C/XX/25/07/92	08/18/1992	51436		8625
PK/	2309935	/C/XX/07/26/92	12/10/1992	71955	B	8575
PK/	2310248	/C/XX/27/07/92	02/08/1993	75924	B	13121
P/K/	3395542	/O/XX/22/D/91	07/03/1991	13083	F	202855

; ^W - SAVE ; ^N - ADD ; ^T - DEL ;

\*\*\*\*\*  
\* OUTPUT FORMATS \*  
\*\*\*\*\*

BALLARPUR INDUSTRIES LTD.  
 EXPORT PERFORMANCE (LEATHER DIV.)  
 (COUNTRY WISE) 19/04/1994

COUNTRY: USA PAGE: 1

FROM: 15/03/1994 TO: 19/04/1994

PRODUCT:	INVOICE NO.:	DATE:	QUANTITY:	RATE:	FOREIGN CURRENCY:	BUYER:	UNIT:	FOB:
MS	LX-314	22/03/1994	816 Prs.	16.00	\$	THOM MCAN	B	
	LX-319	22/03/1994	1500 Prs.	16.00	\$	THOM MCAN	B	
	LX-320	22/03/1994	900 Prs.	16.00	\$	THOM MCAN	B	
	LX-321	22/03/1994	1104 Prs.	16.00	\$	THOM MCAN	B	
	LX-322	22/03/1994	300 Prs.	16.00	\$	THOM MCAN	B	
	LX-323	22/03/1994	804 Prs.	16.00	\$	THOM MCAN	B	
	LX-324	22/03/1994	300 Prs.	16.00	\$	THOM MCAN	B	
	LX-325	22/03/1994	204 Prs.	16.00	\$	THOM MCAN	B	
	LX-326	22/03/1994	600 Prs.	16.00	\$	THOM MCAN	B	
	LX-327	22/03/1994	108 Prs.	16.00	\$	THOM MCAN	B	
	LX-328	22/03/1994	120 Prs.	16.00	\$	THOM MCAN	B	

PRODUCT TOTAL:	0	Sft.	\$	108096.00	0.00
	6756	Prs.	GBP	0	
	0	Pcs.	DM	0	
			INR	0	

COUNTRY TOTAL:	0	Sft.	\$	108096.00	0.00
	6756	Prs.	GBP	0	
	0	Pcs.	DM	0	
			INR	0	

	0	Sft.	\$	108096.00	0.00
	6756	Prs.	GBP	0	
	0	Pcs.	DM	0	
			INR	0	

BALLARPUR INDUSTRIES LTD.  
 EXPORT PERFORMANCE (LEATHER DIV.)  
 (UNIT WISE) 22/04/94

UNIT: B

PAGE: 1

FROM: 10/03/94 TO: 21/03/94

INVOICE NO.:	DATE:	QUANTITY:	RATE:	FOREIGN CURRENCY:	INR:	BUYER:	COUNTRY:	PRODUCT:	ACT_REL:	FQB:
LX-305	10/03/94	1800 Prs.	16.00	\$	28800.00	864000.00	THDM MCAN	USA	MS 900000.00	900000.00
LX-306	10/03/94	300 Prs.	16.00	\$	4800.00	144000.00	THDM MCAN	USA	MS 150000.00	150000.00
LX-307	10/03/94	300 Prs.	16.00	\$	4800.00	144000.00	THDM MCAN	USA	MS 150000.00	150000.00
LX-308	10/03/94	900 Prs.	16.00	\$	14400.00	432000.00	THDM MCAN	USA	MS 450000.00	450000.00
LX-309	10/03/94	360 Prs.	16.00	\$	5760.00	172800.00	THDM MCAN	USA	MS 180000.00	180000.00
LX-310	10/03/94	300 Prs.	16.00	\$	4800.00	144000.00	THDM MCAN	USA	MS 150000.00	150000.00
LX-311	10/03/94	300 Prs.	16.00	\$	4800.00	144000.00	THDM MCAN	USA	MS 150000.00	150000.00
LX-313	10/03/94	708 Prs.	16.00	\$	11328.00	339840.00	THDM MCAN	USA	MS 354000.00	354000.00
LX-315	10/03/94	300 Prs.	16.00	\$	4800.00	144000.00	THDM MCAN	USA	MS 150000.00	150000.00
LX-316	10/03/94	240 Prs.	16.00	\$	3840.00	115200.00	THDM MCAN	USA	MS 120000.00	120000.00
LX-317	10/03/94	300 Prs.	16.00	\$	4800.00	144000.00	THDM MCAN	USA	MS 150000.00	150000.00
LX-318	10/03/94	1200 Prs.	16.00	\$	19200.00	576000.00	THDM MCAN	USA	MS 600000.00	600000.00

UNIT TOTAL:		0 Sft.		\$	112128.00	3363840.00			358904000000	
	7008 Prs.		GBP	0						
	0 Pcs.		DM	0						
			INR	0						

GRAND TOTAL:		0 Sft.		\$	112128.00	3363840.00			3504000.00	3504000.00
	7008 Prs.		GBP	0						
	0 Pcs.		DM	0						
			INR	0						

BALLARPUR INDUSTRIES LTD.  
 EXPORT PERFORMANCE (LEATHER DIV.)  
 (BUYER WISE) 22/04/94

BUYER: THDM MCAN PAGE: 1

FROM: 10/03/94 TO: 21/03/94

UNIT:	INVOICE NO.:	DATE:	QUANTITY:	RATE:	FOREIGN CURRENCY:	INR:	PRODUCT
B	LX-305	10/03/94	1800	Prs. 16.00	\$	28800.00	MS
	LX-306	10/03/94	300	Prs. 16.00	\$	4800.00	MS
	LX-307	10/03/94	300	Prs. 16.00	\$	4800.00	MS
	LX-308	10/03/94	900	Prs. 16.00	\$	14400.00	MS
	LX-309	10/03/94	360	Prs. 16.00	\$	5760.00	MS
	LX-310	10/03/94	300	Prs. 16.00	\$	4800.00	MS
	LX-311	10/03/94	300	Prs. 16.00	\$	4800.00	MS
	LX-313	10/03/94	708	Prs. 16.00	\$	11328.00	MS
	LX-315	10/03/94	300	Prs. 16.00	\$	4800.00	MS
	LX-317	10/03/94	300	Prs. 16.00	\$	4800.00	MS
	LX-318	10/03/94	1200	Prs. 16.00	\$	19200.00	MS
	LX-316	10/03/94	240	Prs. 16.00	\$	3840.00	MS

UNIT TOTAL:

0	Sft.	\$	112128.00	3363840.00
7008	Prs.	GBP	0	
0	Pcs.	DM	0	
		INR	0	

BUYER TOTAL:

0	Sft.	\$	112128.00	3363840.00
7008	Prs.	GBP	0	
0	Pcs.	DM	0	
		INR	0	

GRAND TOTAL:

0	Sft.	\$	112128.00	3363840.00
7008	Prs.	GBP	0	
0		DM Pcs.	0	
		INR	0	



BALLARPUR INDUSTRIES LTD.  
 EXPORT PERFORMANCE (LEATHER DIV.)  
 (BANK WISE 22/04/94)

BANK: AMX

PAGE: 1

FROM: 10/03/94 TO: 21/03/94

UNIT:	INVOICE NO.:	DATE:	QUANTITY:	RATE:	FOREIGN CURRENCY:	INR:	PRODUCT
B	LX-305	10/03/94	1800 Prs.	16.00	\$	28800.00	MS
	LX-306	10/03/94	300 Prs.	16.00	\$	4800.00	MS
	LX-307	10/03/94	300 Prs.	16.00	\$	4800.00	MS
	LX-308	10/03/94	900 Prs.	16.00	\$	14400.00	MS
	LX-309	10/03/94	360 Prs.	16.00	\$	5760.00	MS
	LX-310	10/03/94	300 Prs.	16.00	\$	4800.00	MS
	LX-311	10/03/94	300 Prs.	16.00	\$	4800.00	MS
	LX-313	10/03/94	708 Prs.	16.00	\$	11328.00	MS
	LX-315	10/03/94	300 Prs.	16.00	\$	4800.00	MS
	LX-316	10/03/94	240 Prs.	16.00	\$	3840.00	MS
	LX-317	10/03/94	300 Prs.	16.00	\$	4800.00	MS
	LX-318	10/03/94	1200 Prs.	16.00	\$	19200.00	MS
UNIT TOTAL:			0	Sft.	\$	112128.00	3363840.00
			7008	Prs.	GBP	0	
			0	Pcs.	DM	0	
					INR	0	
BANK TOTAL:			0	Sft.	\$	112128.00	3363840.00
			7008	Prs.	GBP	0	
			0	Pcs.	DM	0	
					INR	0	
GRAND TOTAL:			0	Sft.	\$	112128.00	3363840.00
			7008	Prs.	GBP	0	
			0	Pcs.	DM	0	
					INR	0	

BALLARPUR INDUSTRIES LTD.  
EXPORT PERFORMANCE (LEATHER DIV.)  
(MONTHLY REPORT)

MONTH: FEBRUARY 1994 PAGE: 1

DATE: 22

INVOICE NO.:	DATE:	QUANTITY:	RATE:	FOREIGN CURRENCY:	INR:	BUYER:	COUNTRY:	PRODUCT:	UNIT:
LX-296	04/02/94	360	Prs. 16.00	\$	5760.00	172800.00	THOM MCAN	USA	MS B
LX-297	04/02/94	240	Prs. 16.00	\$	3840.00	115200.00	THOM MCAN	USA	MS B
LX-303	12/02/94	5400	Prs. 20.00	\$	108000.00	3240000.00	MARSHALLS	USA	MS B
LX-304	12/02/94	6000	Prs. 18.00	\$	108000.00	3240000.00	MARSHALLS	USA	MS B
LX-298	14/02/94	708	Prs. 16.00	\$	11328.00	339840.00	THOM MCAN	USA	MS B
LX-300	17/02/94	180	Prs. 16.00	\$	2880.00	86400.00	THOM MCAN	USA	MS B
LX-301	17/02/94	1200	Prs. 16.00	\$	19200.00	576000.00	THOM MCAN	USA	MS B
LX-302	17/02/94	264	Prs. 16.00	\$	4224.00	126720.00	THOM MCAN	USA	MS B

MONTH TOTAL:

Sft.  
Prs.  
Pcs.

7896960.00

BALLARPUR INDUSTRIES LTD.  
 CONTRACT DETAILS (LEATHER DIV.)  
 22/04/94

CONT. NO.: LX 4/03  
 CONT. BUYER: ARMDRTAN

CONT. QTY.: 2000.00    CONT. VAL.: 3200.00  
 UNIT: F

PAGE: 1

EXPORT:

INVOICE NO	DATE	QUANTITY	FOREIGN CURRENCY	ACT_REL	PRODUCT	BAL. QTY.	BAL. VAL.	
LX-13	20/04/93	221.00 Sft.	\$	464.10	0.00	LL	1779.00	2735.90
LX-14	21/04/93	35.75 Sft.	\$	77.22	0.00	LL	1743.25	2658.68
LX-36	28/05/93	86.00 Sft.	\$	137.60	0.00	LL	1657.25	2521.08
LX-37	31/05/93	52.25 Sft.	\$	125.40	0.00	LL	1605.00	2395.68
LX-38	04/06/93	58.00 Sft.	\$	145.58	0.00	LL	1547.00	2250.10
LX-42	08/06/93	42.50 Sft.	\$	102.00	0.00	LL	1504.50	2148.10
LX-43	08/06/93	42.75 Sft.	\$	102.60	0.00	LL	1461.75	2045.50
LX-44	08/06/93	20.25 Sft.	\$	56.70	0.00	LL	1441.50	1988.80
LX-45	11/06/93	33.50 Sft.	\$	93.80	0.00	LL	1408.00	1895.00
LX-46	16/06/93	38.00 Sft.	\$	95.00	0.00	LL	1370.00	1800.00
LX-54	17/06/93	46.25 Sft.	\$	115.63	0.00	LL	1323.75	1684.37
LX-55	28/06/93	16.75 Sft.	\$	41.88	0.00	LL	1307.00	1642.49
LX-56	28/06/93	19.00 Sft.	\$	47.50	0.00	LL	1288.00	1594.99
LX-57	29/06/93	65.00 Sft.	\$	185.90	0.00	LL	1223.00	1409.09
LX-58	30/06/93	30.00 Sft.	\$	63.00	0.00	LL	1193.00	1346.09
LX-69	02/07/93	12.00 Sft.	\$	25.20	0.00	LL	1181.00	1320.89
LX-70	09/07/93	252.50 Sft.	\$	603.48	0.00	LL	928.50	717.41
LX-75	13/07/93	59.50 Sft.	\$	108.89	0.00	LL	869.00	608.52
LX-76	13/07/93	36.75 Sft.	\$	79.38	0.00	LL	832.25	529.14
LX-77	27/07/93	21.50 Sft.	\$	44.29	0.00	LL	810.75	484.85
LX-78	27/07/93	12.75 Sft.	\$	27.54	0.00	LL	798.00	457.31
LX-92	14/08/93	16.75 Sft.	\$	55.44	0.00	LL	781.25	401.87

TOTAL:	Sft.	1218.75	\$	2798.13	0.00		781.25	401.87
	Prs.	0	GBP	0				
	Pcs.	0	DM	0				
			INR	0				

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BALLARPUR INDUSTRIES LTD.  
EXPORT PERFORMANCE (LEATHER DIV.)  
(LICENCE WISE) 22/04/94

LIC. NO.: P/W/2048964 /C/XX/28/D/92  
DATE: 18/11/92  
DEEC NO.: 22180

CIP.(Rs.): 2866110.00  
EX.OBL.VALUE (\$): 231480.00  
EX.OBL.QTY:(Sft.): 139450.00

UNIT:F  
EX.OBL.PROD:L

IMPORT:	AS PER LICENCE:		UTILIZED:		%AGE:		BALANCE:	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
FOIL:(Smt.)	16000.00	2568824.00	16000.00	2006559.00	100.00	78.11	0.00	562265.00
ADH.:(Kg.)	1680.00	264820.00	1680.00	241014.00	100.00	91.01	0.00	23806.00
HRD.:(Kg.)	58.56	32461.00	58.56	28874.00	100.00	10.90	0.00	3587.00

EXPORT:										
INVOICE NO	DATE	QUANTITY	%AGE	FOREIGN CURRENCY	%AGE	BUYER	COUNTRY	BALANCE(QTY)	BALANCE(VAL)	
LX-166	21/10/93	35000.00 Sft.	25.10	\$	53200.00	22.98	HAPPY	CHINA	104450.00	\$ 178280.
LX-180	19/10/93	2600.00 Sft.	26.96	\$	4290.00	24.84	PLY MOUTH	SRILANKA	101850.00	\$ 173990.
LX-188	21/10/93	55000.00 Sft.	66.40	\$	83050.00	60.71	HAPPY	CHINA	46850.00	\$ 90940.
LX-196	17/11/93	46854.50 Sft.	100.00	\$	70885.22	91.34	HAPPY	CHINA	-4.50	\$ 20054.

TOTAL:										
		139454.50 Sft.	100.00	\$	211425.22	91.34			-4.50	20054.
		0 Prs.		GBP	0					
		0 Pcs.		DM	0					
				INR	0					

BALLARPUR INDUSTRIES LTD.  
PCL DETAILS(LEATHER DIV.)  
22/04/94

PCL NO.: 12  
PCL BANK: DEUTSCHE

PCL AMT.: 5729000.00  
PCL REF.:

PCL ADV.: 0.00

PAGE: 1

EXPORT:

INVOICE NO	DATE	QUANTITY	FOREIGN CURRENCY	ACT_REL	BUYER	COUNTRY	PRODUCT UNIT	CONT_NO	PCL ADJ.	BALANCE PCL	BANK REF
LX-39	08/06/93	3000 Prs.	\$	27750.00	868544.48	MELDISCO	USA	MS B LX 4/12	868544.00	4860456.00	P700604/93
LX-40	29/05/93	1620 Prs.	\$	21060.00	660188.00	RODRIGUEZ	USA	MS B LX 4/14	660188.00	4200268.00	P700623/93
LX-41	12/06/93	2400 Prs.	\$	22200.00	694836.00	MELDISCO	USA	MS B LX 4/12	694836.00	3505432.00	P700641/93
LX-50	29/05/93	756 Prs.	\$	9828.00	308088.00	RODRIGUEZ	USA	MS B LX 4/14	308088.00	3197344.00	P700623/93
LX-51	17/06/93	3600 Prs.	\$	33300.00	1042254.00	MELDISCO	USA	MS B LX 4/12	1042254.00	2155090.00	P700638/93
LX-61	20/06/93	2400 Prs.	\$	22200.00	694836.00	MELDISCO	USA	MS B LX 4/12	694836.00	1460254.00	P700639
LX-64	30/06/93	4800 Prs.	\$	44400.00	1389671.00	MELDISCO	USA	MS B LX 4/12	1389671.00	70583.00	P700640/93
LX-66	17/07/93	1200 Prs.	\$	11100.00	347600.00	MELDISCO	USA	MS B LX 4/12	70583.00	0.00	C 3547

TOTAL:	Sft.	0	\$	191838.00	6006017.48				5729000.00	0.00	
	Prs.	19776	GBP	0							
	Pcs.	0	DM	0							
			INR	0							

BALLARPUR INDUSTRIES LTD.  
L/C DETAILS (LEATHER DIV.)  
15/04/94

L/C NO.: I 00090205 L/C DATE: 17/06/93  
BUYER: THOM MCAN

L/C VALUE: 100000.00  
L/C QTY.: 5000.00

PAGE: 1

EXPORT:

INVOICE NO	DATE	QUANTITY	FOREIGN CURRENCY	ACT_REL	PROD. PUR ORD	BAL_QTY	BAL_VAL
LX-182	16/10/93	240 Prs.	\$ 3840.00	118444.00	MS B12-06565-6	4760.00	96160.00
LX-185	16/10/93	180 Prs.	\$ 2880.00	88833.00	MS K12-06559-9	4580.00	93280.00
LX-203	29/10/93	180 Prs.	\$ 2880.00	0.00	MS K12-06571-4	4400.00	90400.00
LX-235	10/12/93	1008 Prs.	\$ 16128.00	503839.00	MS K12-06560-7	3392.00	74272.00
LX-244	21/12/93	684 Prs.	\$ 10944.00	342766.00	MS K12-06572-2	2708.00	63328.00
LX-260	24/12/93	180 Prs.	\$ 2880.00	90202.00	MS K12-06599-5	2528.00	60448.00
LX-266	17/01/94	780 Prs.	\$ 12480.00	390624.00	MS B12-06566-4	1748.00	47968.00
LX-268	03/01/94	336 Prs.	\$ 5376.00	168269.00	MS K12-06600-1	1412.00	42592.00
LX-269	03/01/94	240 Prs.	\$ 3840.00	120192.00	MS K12-06512-8	1172.00	38752.00
LX-273	21/01/94	240 Prs.	\$ 3840.00	120000.00	MS B12-06566-4	932.00	34912.00
LX-279	06/01/94	180 Prs.	\$ 2880.00	90144.00	MS B12-06594-6	752.00	32032.00
LX-296	04/02/94	360 Prs.	\$ 5760.00	180000.00	MS B12-06594-6	392.00	26272.00
LX-297	04/02/94	240 Prs.	\$ 3840.00	120038.00	MS B12-06593-8	152.00	22432.00

TOTAL:	Sft.	0	\$ 77568.00	2333351.00		152.00	22432.00
	Prs.	4848	GBP 0				
	Pcs.	0	DM 0				
			INR 0				

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\*\*\*\*\*  
\* SYSTEM ENVIRONMENT \*  
\*\*\*\*\*

## SYSTEM ENVIRONMENT

### HARDWARE REQUIREMENTS :

The software packages i. Production Control & Report Generation.

ii. Export Performance Management Information System.

work on IBM compatibles PC / PC-XT / PC-AT ,with a minimum configuration of 640 KB.However the package performance is related to the amount of data in the database files,and accordingly the disk space available should be sufficient.Therefore it is advisable to use a hard disk.

The packages are configured to Compatible Dot Matrix Printers.

### SOFTWARE REQUIREMENTS :

The packages run perfectly on Dos 3.3 & above and/or Novel-Netware system ver 2.15 and above.

The packages are developed in FoxPro/Lan Ver 2.10.These are stand alone executable at Dos/Nos, which doesn't Require FoxPro for it's Working.

\*\*\*\*\*  
\* TESTING \*  
\*\*\*\*\*

### TESTING

After the packages were developed ,vast and extensive data was feeded to examine for bugs, which were then removed.During this real time testing many complicated errors arrived and were removed later on.The process was repeated till the packages are not bug free.The working of the packages was demonstrated to the production officer and to the Commercial Executive and suggesions invited regarding any modifications in the output format as per their requirements.

\*\*\*\*\*  
\* IMPLEMENTATION \*  
\*\*\*\*\*

### IMPLEMENTATION

A demonstration of the final packages was conducted for the Production Officer & Commercial Executive, who has to operate these packages. A manual of the packages was given to them and the operation is explained w.r.t manual.

The implementation part actually began at the time of development. Many reports were generated during the development session which were used by the management to take decisions. This helped a lot in making the packages bug free.

\*\*\*\*\*  
\* CONCLUSION \*  
\*\*\*\*\*

## ADVANTAGES OF PROPOSED SYSTEM :-

### 1. Quick data processing :

An idea can be had from the fact that whole year data can be printed within an hour.

### 2. Accurate data processing :

Computer does not make mistake on its own, it will consistently give the same results for the same data fed to it provided the "instruction" (i.e. the program) remain the same. Accuracy will be limited by the accuracy of the data fed in.

### 3. Avoiding duplication of work :

In a manual system, a particular transaction may have to be posted to more than one book. As a result, not only lot of time is wasted in duplicating the transaction but also the risk of incorrect posting increases. Computers can automatically post the same transaction to various books and the chances of incorrect posting are almost non-existent.

### 4. Reducing the monotony of work :

Routine data processing can easily be transferred to computer and, as a result, the same time saved can be utilised in supervising information flow and efficient decision making.

#### 5. Neat and Tidy Reports :

Computer does not know how to "Strike Out" or "Overwrite" a mistake made. It assumes whatever it is printing is correct. Therefore, the user gets neat and clean reports though what the reports contains may not necessarily be correct (on account of incorrect data feeding or programming).

#### 6. Storage of data :

Huge data volumes can be stored on easily manageable cartridge tapes and diskettes.

## SALIENT FEATURES :

### 1. Menu Driven :

The package shall offer user-friendly Menus from which the user can choose his option without having to remember the program name, etc.

### 2. Help Features :

Wherever possible by pressing a particular 'Key' on the keyboard, the computer will provide necessary help to the operator whenever he is stuck up due to unfamiliarity with the package.

### 3. Display of Messages :

Messages will be displayed extensively to guide the operator. This will be found especially useful at the time of data entry when errors if any, will be flashed up immediately.

### 4. Security :

The prepared System provides usage of passwords at various levels lest an unauthorised person modifies the data. In addition 'locking' feature is provided at different levels, wherever found necessary.

# SYSTEM STANDARDS

## USER INTERFACE

The USER INTERFACE used in the application is standard for all data entry screens. The format can be given as :

```
+-----+-----+
| <Program Name> | <Program Description> |
+-----+-----+

<Field Name1> <Field Name2> <Field Name3> <Field Name4> . . .
<Entry Field> <Entry Field> <Entry Field> <Entry Field> . . .
<Entry Field> <Entry Field> <Entry Field> <Entry Field> . . .
<Entry Field> <Entry Field> <Entry Field> <Entry Field> . . .
<Entry Field> <Entry Field> <Entry Field> <Entry Field> . . .
<Entry Field> <Entry Field> <Entry Field> <Entry Field> . . .
<Entry Field> <Entry Field> <Entry Field> <Entry Field> . . .

  F4 - Print ; ^W - Save & Quit ; ^T - Delete ; <Esc> - Quit
<messages>
```

As shown in the above representation the standard dataentry screen can be divided into 3 sections. The top three lines display the Program Name and its purpose. The bottom most line is reserved for displaying messages, for the information of the USER and, for interacting with the USER. The second last line is used to inform the USER of the Special Keys that are active currently.

### CONCLUSION

The packages developed for Export/Production Deptts. were well received by the concerned persons, as the automated system was very faster, efficient and had a greater scope than the existing system.

Developed packages record the data in the database files, which can be called from NEW INTEGRATED SYSTEM developed in the organisation itself. The integration part of the database is yet to be done with the other departments like Stores, Accounts etc.