

# *Kolkata Leather Complex*

West Bengal  
Government's



CLE Council for Leather  
Export of West Bengal



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# *Background*



## *Assistance provided in loco for the Italian experts by West Bengal Council for Leather Export*

- **Technical and macro-economic survey**
- **Analysis of:**
  - The state of technology,
  - The production structure
  - The organisation of Kolkata's tanneries (about 150 questionnaires)

## *The objectives*

2

*There are two goals that the West Bengal government has set itself by the creation of the Kolkata Leather Complex:*

- Reducing environmental pollution in the areas currently occupied by the tanneries,
- Developing and re-launching the tanning sector.

## *The objectives*

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- PISIE, Assomac and ICE are engaged to provide some proposals for the reorganisation of the Kolkata tanneries, based on the

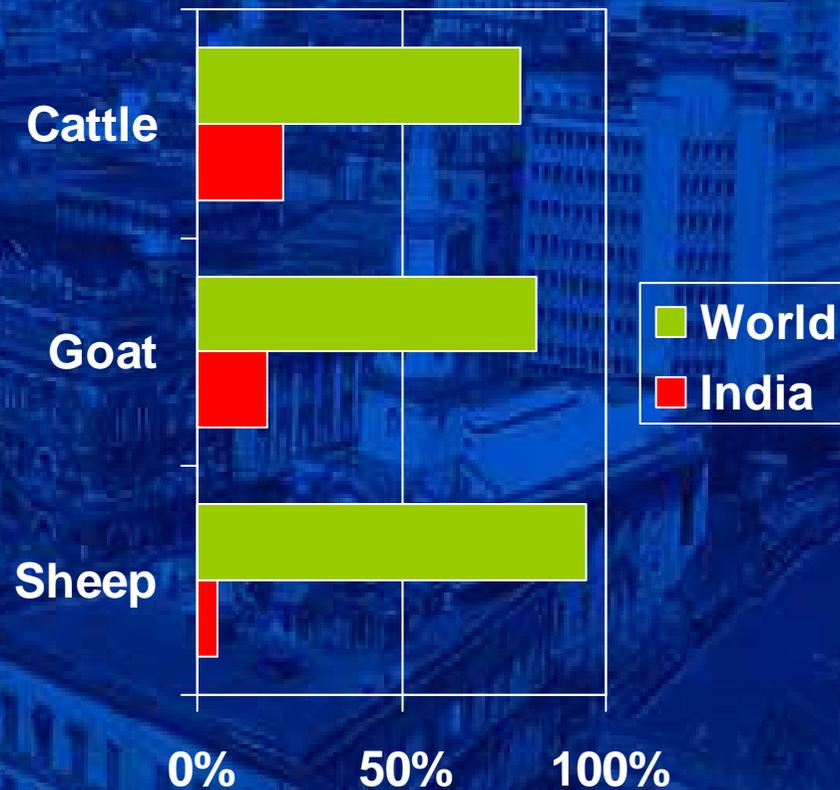
**Italian experience of industrial districts**

showing the technology and the organisation to be used for the leather production line, from raw hides to the finishing.

# Overview

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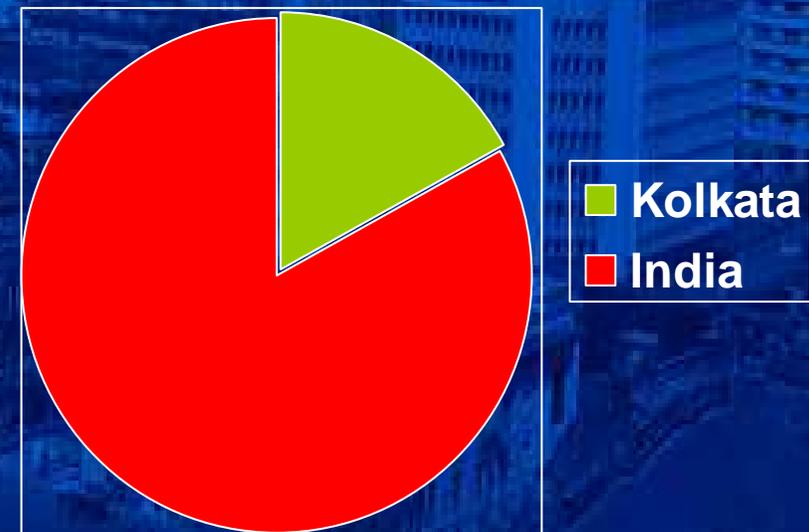
- India is the greatest breeder of cattle, goats and sheep in the world, with a consistency of about:
  - 21% of cattle
  - 17% of goats
  - 5% of sheep



# Overview

3

- Hides tanned in India
- **Kolkata**      **2,870** thousands
- **India**        **14,040** thousands
  
- **% Kolkata**        **20%**



# Overview

## 3

*Why, at the contrary, India, with about 2000 tanneries have an export that only covers 4% of the world footwear export market and 3% of the finished leather market?*

positive	negative
availability of raw material	damage by manual skinning
good manual labour	widespread handcraft level
	production lay-out

# *The Districts of Kolkata*

4

- Kolkata's three industrial districts:
  - In **Topsia** we have 230 tanneries covering the 40% of the total production.
  - In **Tangra** we have 268 tanneries covering the 38% of the total production.
  - In **Tiljala** we have 100 tanneries and 400 family companies, covering the 14% of the total.

# The Districts of Kolkata

4

TOPSIA	Paddle	Drum -beam	Fleshing	Splitting -pelt	Drum -tanning	Pressing wet	Splitting -wet	Shaving	Drum -retan dye	Setting out	Vacuum drying	Tunnel drying	Staking	Toggling	Buffing	De-dusting	Roller Coating	Embossing	Finishing	Measuring
1 Modern Leather	+	+	+		+	+		+	+	+		+	+	+	+			+	+	+
2 Continental Leather	+	+	+		+	+	+	+	+	+		+	+	+	+			+	+	+
3 Agra Fine Leather	+	+	+		+	+		+	+	+		+	+	+	+			+	+	+
4 Aslam Tanning	+	+	+		+	+		+	+	+		+	+	+	+			+	+	+
5 Soni Leathers	+	+	+		+	+	+	+	+	+		+	+	+	+	+	+	+	+	+
6 Nafis Tanning Industries	+	+			+	+		+	+	+		+	+	+	+			+	+	+
7 Alam Leather Industries	+	+	+		+	+		+	+	+		+	+	+	+			+	+	+
8 J.S. Leather	+	+	+	+					+	+	+	+	+	+	+	+		+	+	+
9 Ahmed Tannery	+	+	+		+	+	+	+	+	+		+	+	+	+	+	+	+	+	+
10 Z.S. Leather	+	+	+		+	+	+	+	+	+		+	+	+	+			+	+	+
11 Alam Tannery	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+		+	+	+
12 ITI Exports Pvt. Ltd.	+	+	+		+	+	+	+	+	+		+	+	+	+	+		+	+	+
13 Crescent Tannery	+	+	+		+	+	+	+	+	+		+	+	+	+			+	+	+
14 Bengal Reptile Exporting	+	+	+		+				+	+					+					
15 Mercury Exports	+	+	+		+	+		+	+	+		+	+	+	+			+	+	+
16 Mani Leather Industries	+	+			+				+	+		+	+	+	+			+	+	+
17 Taj Leather Works	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+

# The Districts of Kolkata

4

TANGRA	
<b>Paddle</b>	
<b>Drum -beam</b>	
<b>Fleshing</b>	
<b>Splitting -pelt</b>	
<b>Drum -tanning</b>	
<b>Pressing wet</b>	
<b>Splitting -wet</b>	
<b>Shaving</b>	
<b>Drum -retan dye</b>	
<b>Setting out</b>	
<b>Vacuum drying</b>	
<b>Tunnel drying</b>	
<b>Staking</b>	
<b>Toggling</b>	
<b>Buffing</b>	
<b>De-dusting</b>	
<b>Roller Coating</b>	
<b>Embossing</b>	
<b>Finishing</b>	
<b>Measuring</b>	

# The Districts of Kolkata

4

TILJALA	Paddle	Drum -beam	Fleshing	Splitting -pelt	Drum -tanning	Pressing wet	Splitting -wet	Shaving	Drum -retan dye	Setting out	Vacuum drying	Tunnel drying	Staking	Toggleing	Buffing	De-dusting	Roller Coating	Embossing	Finishing	Measuring
1 Nizamuddin Tannery	+	+	+		+		+	+	+	+		+	+					+		+
2 Ram Prit Tannery								+	+			+			+			+	+	+
3 Sundari Tannery	+	+	+		+			+	+			+						+	+	
4 P. Pagnan Co. Pvt. Ltd.	+	+	+		+	+	+	+	+	+		+	+	+	+			+	+	+
5 Kalidas Ram Tannery								+	+			+			+			+		+
6 India Tannery	+	+	+		+	+		+	+	+		+	+		+			+		
7 Basudev Ram Tannery								+	+			+			+			+	+	
8 Globe tannery	+	+	+	+		+	+	+	+	+		+	+	+	+			+	+	
9 Ram Dayal DasTannery								+	+			+			+			+		+
10 Bright Leather	+	+						+	+	+		+	+					+	+	
11 Ram Jee Ram Tannery								+	+				+					+	+	
12 Panna Leather								+	+			+			+			+	+	+
13 Md. Saud Tannery	+				+			+	+			+						+	+	
14 Khadem Hussain Tann									+	+		+			+				+	+
15 Badiuzzaman Khan & S								+	+			+			+			+	+	
16 J.S. Tannery								+	+			+						+	+	+
17 Indotan	+	+	+	+	+	+	+	+	+	+		+		+	+			+	+	+

## *The new site*

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Beginning with the analysis the results of the surveys and the questionnaire data, a *technical profile* has been outlined that the new industrial site should take on.

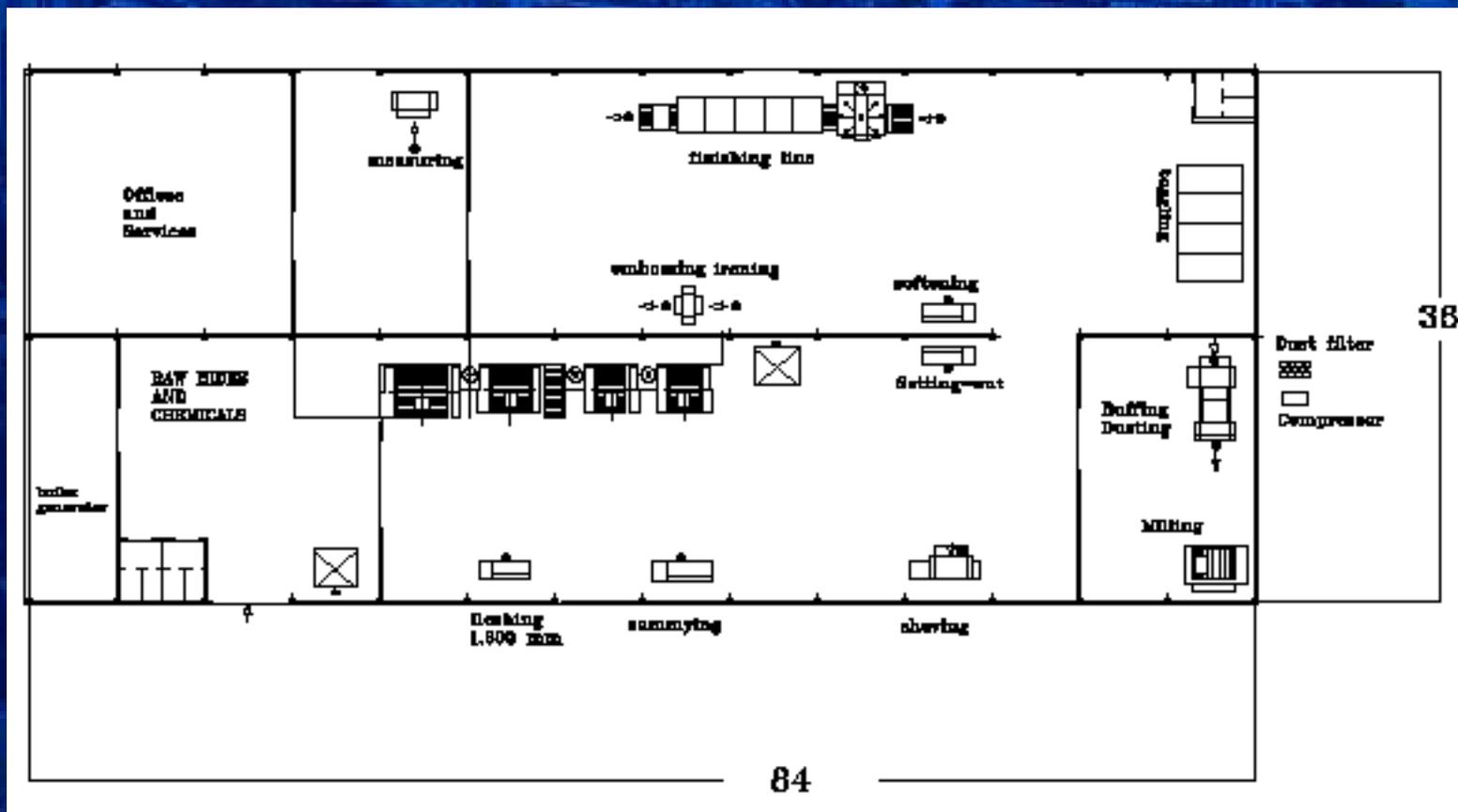
- The aim of the study is in fact, to identify the organisational structure and the instruments to take the *Kolkata “leather industrial system”* to competitive levels on both the domestic and the international markets.



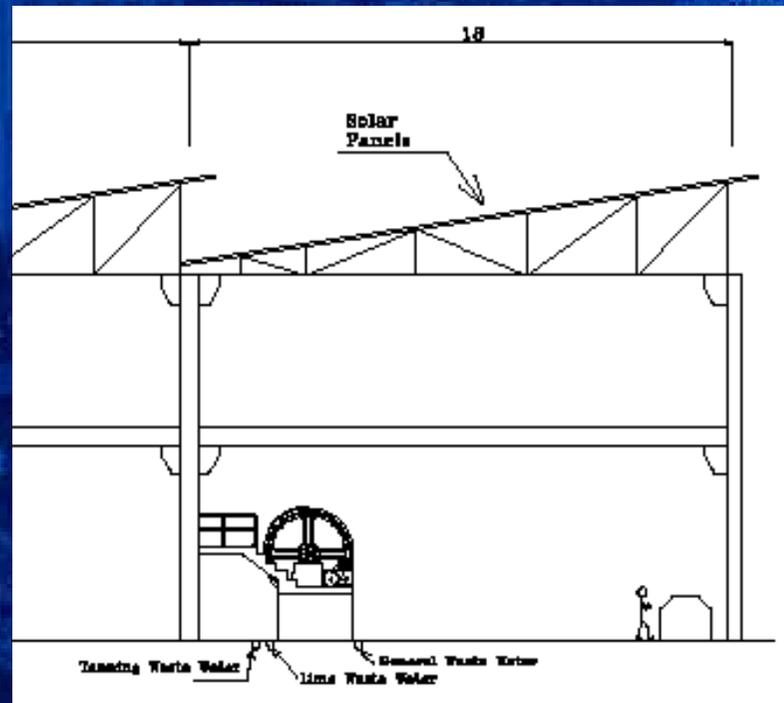
# The Lay-out



Tannery for splits and small peaces



# The Lay-out



2 floors tannery

1 floor tannery

