



ATLAS OF Macro Level National Industrial Hazard Risk Assessment



VOL-2

NATIONAL DISASTER MANAGEMENT AUTHORITY

NDMA CONTACT

Director (Response)

Tel. +92 (51) 920-5035

Fax. +92 (51) 920-5086

Email. dirresponse@ndma.gov.pk

This atlas has been prepared under the patronage of

Lieutenant General Omar Mahmood Hayat HI(M), Chairman NDMA

EDITORIAL TEAM

Brigadier Mukhtar Ahmed SI(M), Member (Operations), NDMA

Mr. Idrees Mahsud, Member (DRR), NDMA

Lieutenant Commander Nadeem Bashir, Director (Response), NDMA

Mr. Kazim Rahim, Assistant Director (Response), NDMA

Mr. Ehtisham Khalid, Project Director (PMU), NDMA

Project Management Unit, NDMA

TAMBRO (Pvt) Ltd

Table of Contents

Industry in Pakistan	5
Industrial Zones Map Pakistan	6
Industrial Accidents Map	7
Food and Beverage Industries in Pakistan	8
Tobacco Product Industry in Pakistan	9
Textiles Industry in Pakistan	10
Apparel Industry in Pakistan	11
Leather Products Industry in Pakistan	12
Wooden Products Industry in Pakistan	13
Paper Products Industry in Pakistan	14
Publishing, Printing & Production Industry in Pakistan	15
Petroleum Industry in Pakistan	16
Chemical Products Industry in Pakistan	17
Rubber & Plastic Products Industry in Pakistan	18
Non-Metallic & Mineral Products Industry in Pakistan	19
Basic Metals Industry in Pakistan	20
Fabricated Metal Products Industry in Pakistan	21
Machinery & Equipment Industry in Pakistan	22
Power & Energy Industry in Pakistan	23
Electrical Machinery & Apparatus Industry in Pakistan	24
Radio, TV & Communication Equipment Industry in Pakistan	25
Motor Vehicles & Trailers Industry in Pakistan	26
Other Transport Equipment Industry in Pakistan	27
Furniture Industry in Pakistan	28
Recycling Industry in Pakistan	29
Industrial Hazards Map - Pakistan	30
Industrial Hazards Exposure Map - Pakistan	31
Industrial Hazards Risk Map - Pakistan	32

Acknowledgements

To ensure we base our disaster response planning on actual hazard & risk assessments, National Disaster Management Authority (NDMA) with the guidance and patronage of Lieutenant General Omar Mahmood Hayat HI(M), Chairman NDMA and with the guidance of Brigadier Mukhtar Ahmed SI(M), Member (Operations), his dedicated team in Response Directorate along with the kind support of Mr. Idrees Mahsud, Member (DRR) and his team of professionals in the Project Management Unit have worked together in dedication with the Team at TAMBRO (Pvt) Ltd. to develop this Atlas of Macro Level National Industrial Hazard Risk Assessment to accompany the first volume, Macro Level National Industrial Hazard Risk Assessment. We appreciate the efforts of everyone involved during the intensive process of developing this Atlas and anticipate that in the future this volume will aid all relevant stakeholders in promoting more proactive disaster risk management practices nation-wide.

CHAIRMAN NDMA



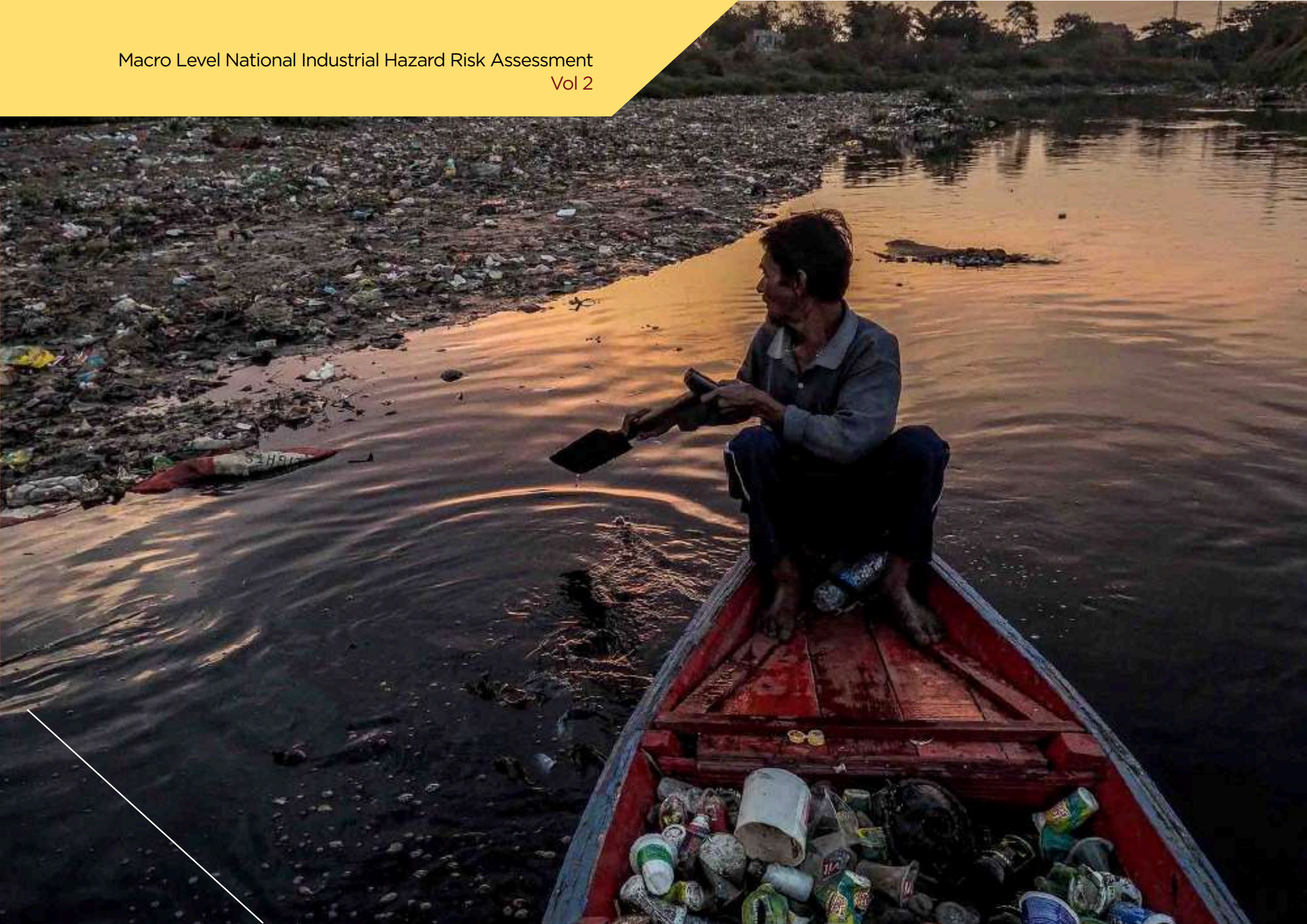
National Disaster Management Authority (NDMA) and Provincial Disaster Management Authorities (PDMAs) are conducting Multi-hazard Vulnerability and Risk Assessments (MHVRA) throughout the country. These assessments are being carried out for the full spectrum of natural disasters including floods, earthquakes, landslides, droughts, etc. To further this effort, NDMA initiated a process to carry out an assessment (as a pilot project) nationally, at macro level of the various industrial hazards in the country. Thereby creating a policy document at federal level, to tackle the issue of industrial hazards. This Atlas accompanies the said policy document by providing a much needed visual reference.

It is an immense pleasure to see this comprehensive study and accompanied atlas which will open the door to required related studies at micro level. The atlas has mapped all major industries located in the country and has drawn industrial hazard zones based on various kinds of risk involved. It is our earnest desire at NDMA to see a federal policy on industrial hazards and subsequent studies leading to policy preparation and further implementation of this extremely important aspect of our country.

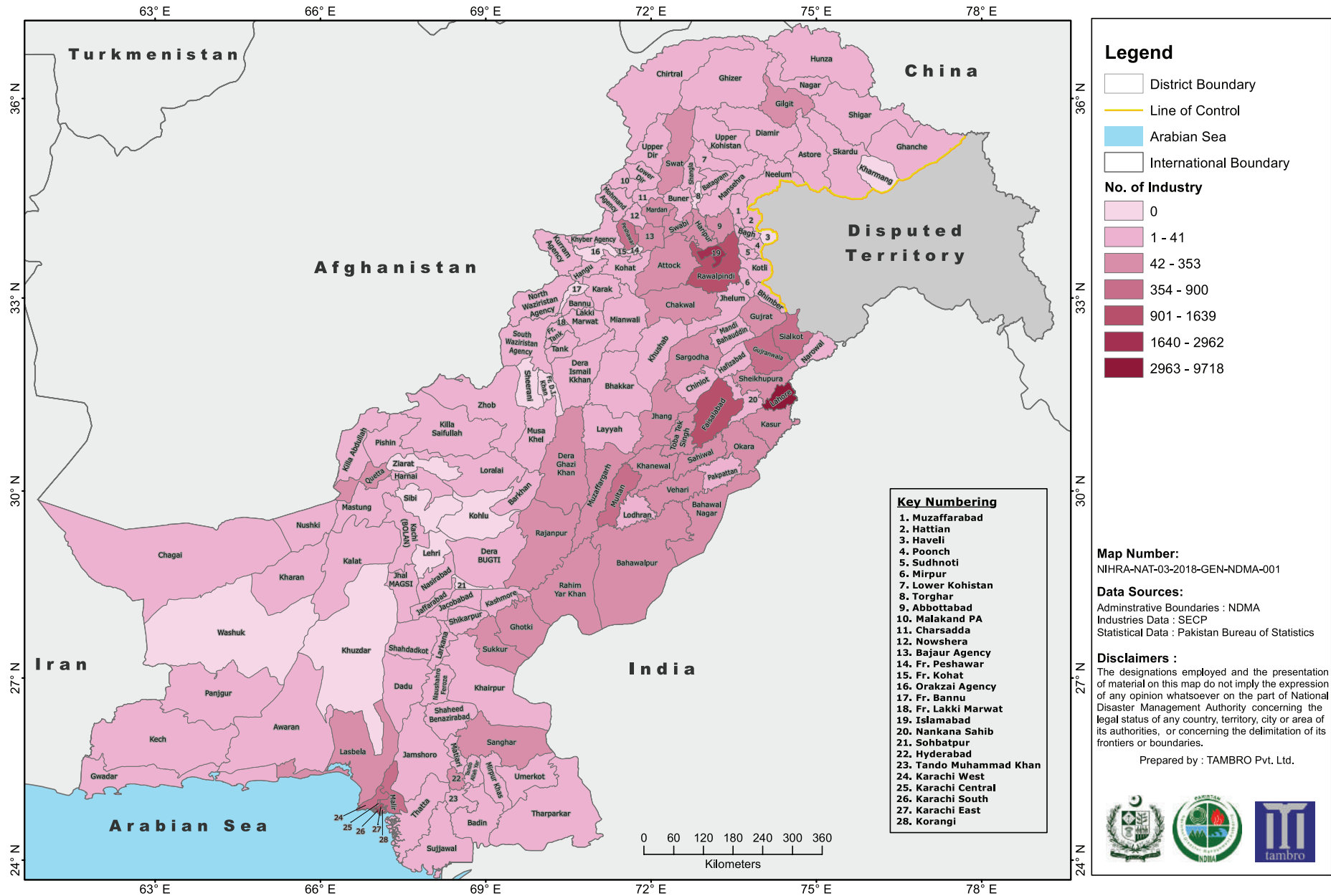
Macro Level
**National
Industrial Hazard
Risk Assessment**

(NIHRA) Atlas
Vol 2

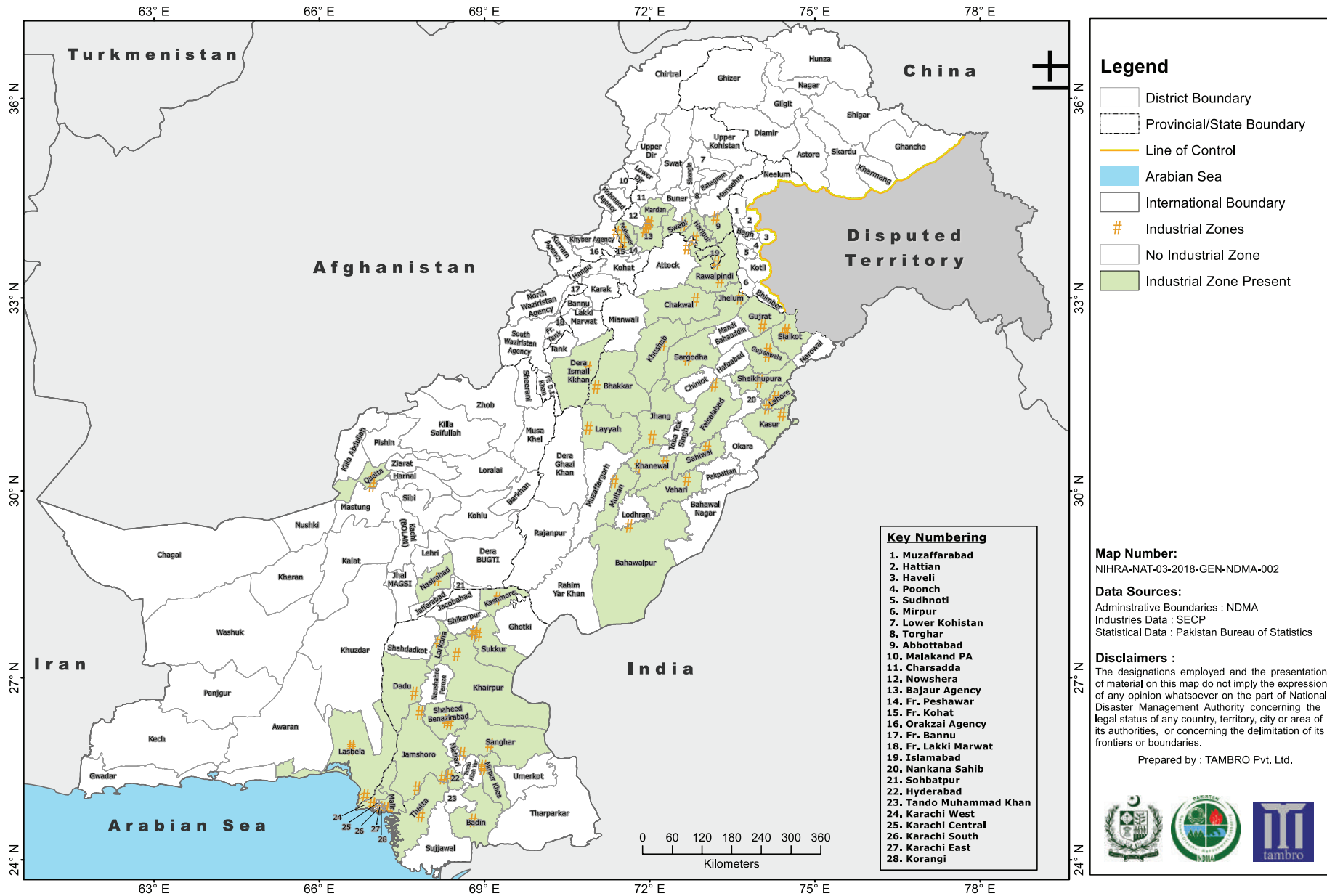




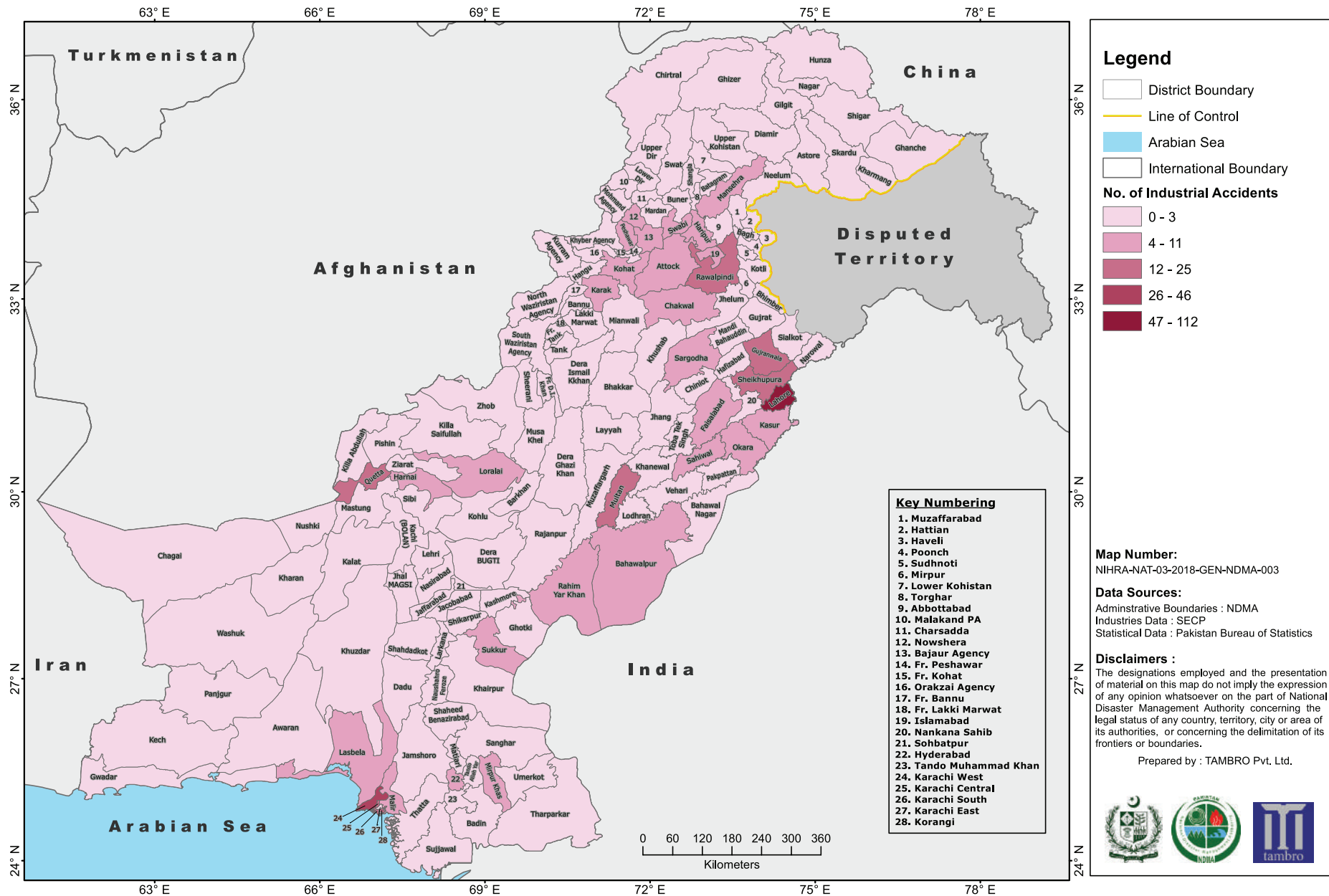
Industry in Pakistan



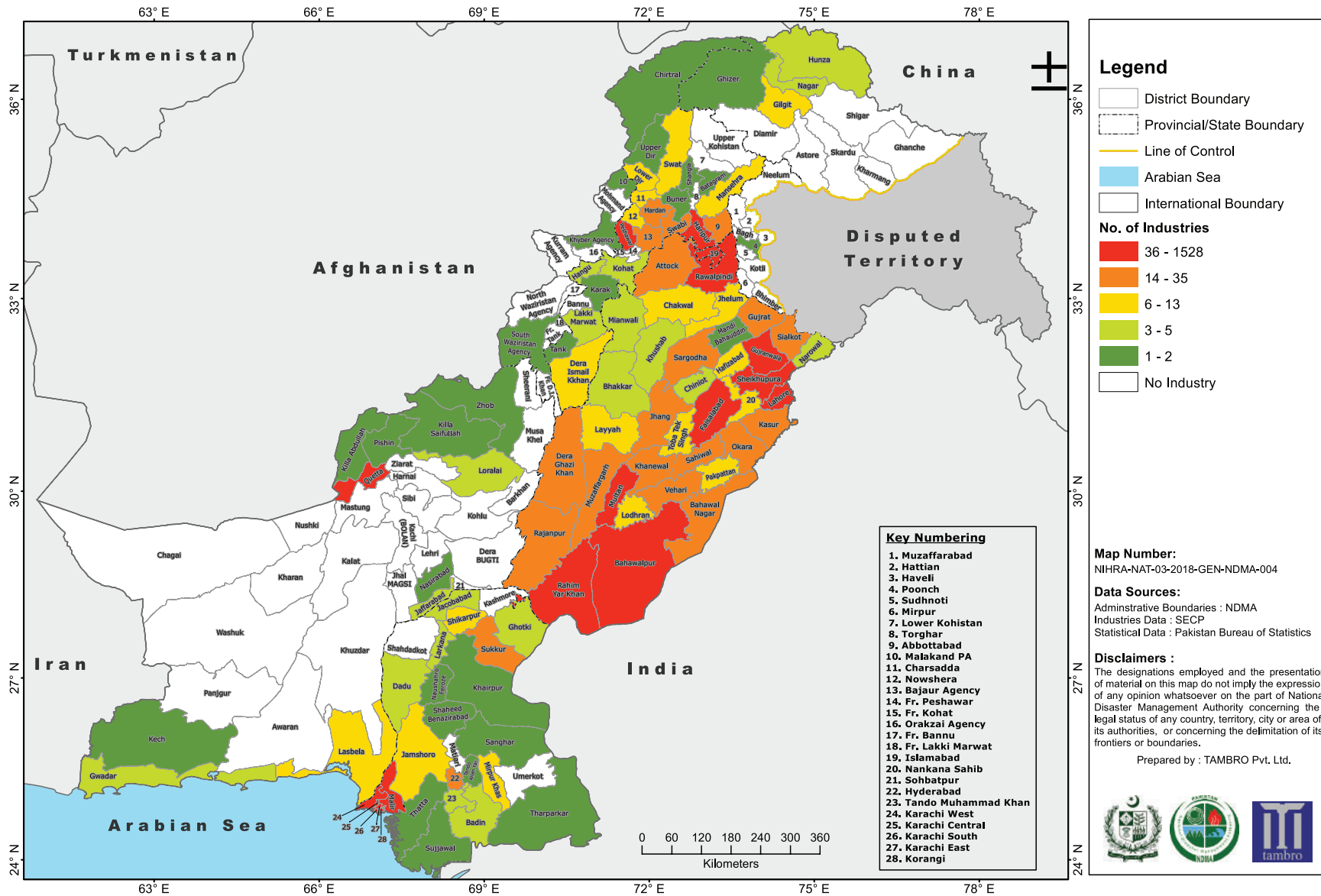
Industrial Zones Map Pakistan



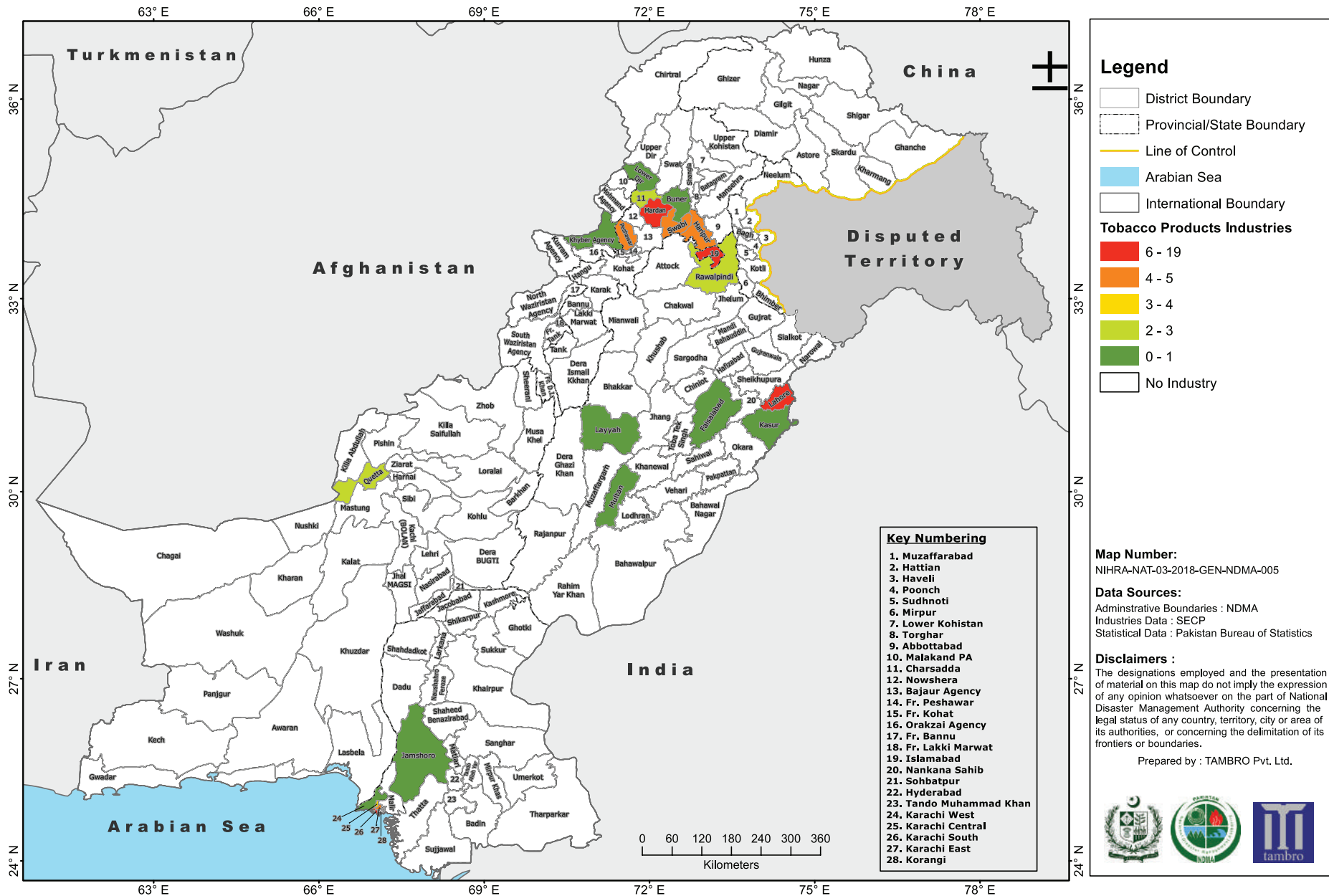
Industrial Accidents Map



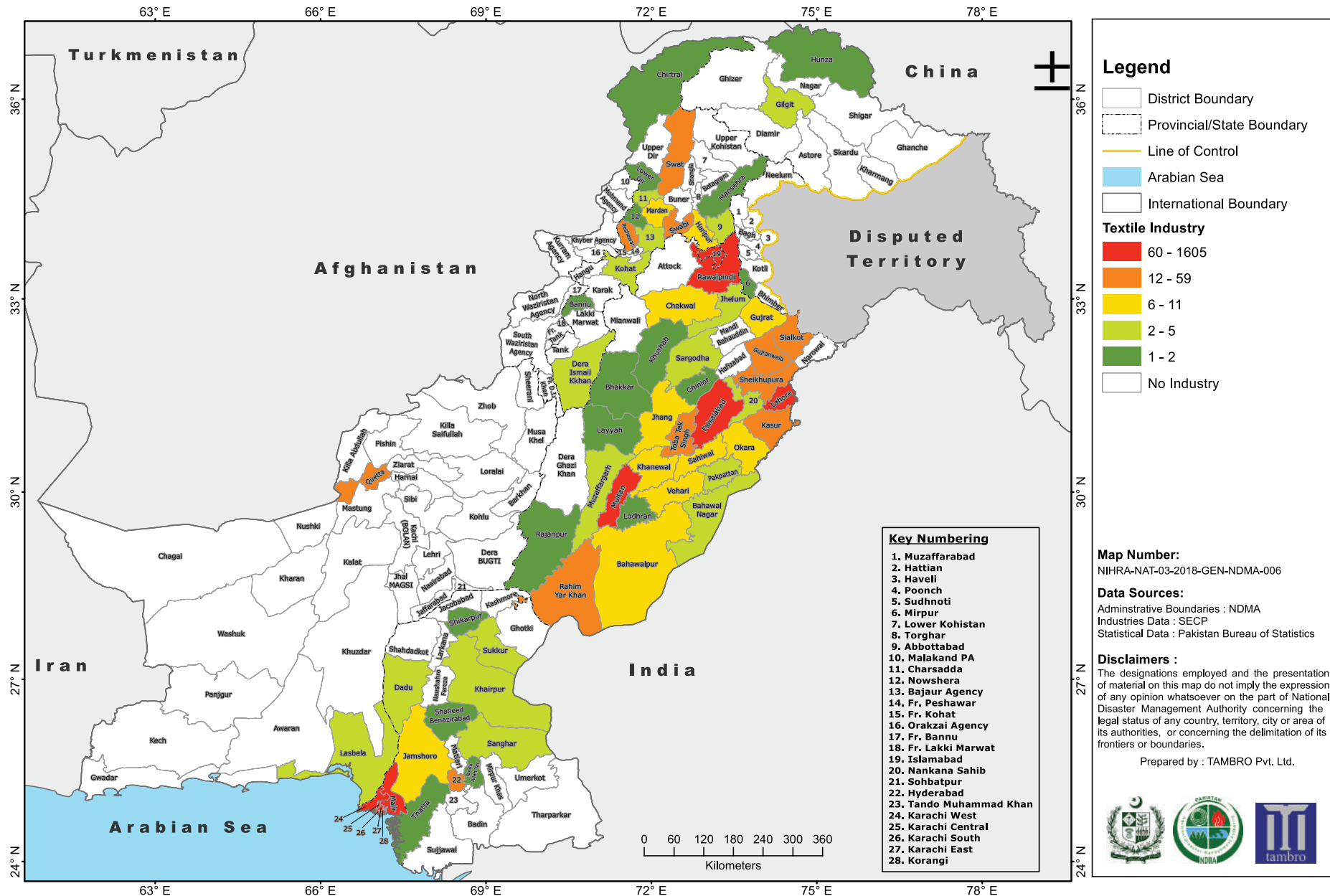
Food and Beverage Industries in Pakistan



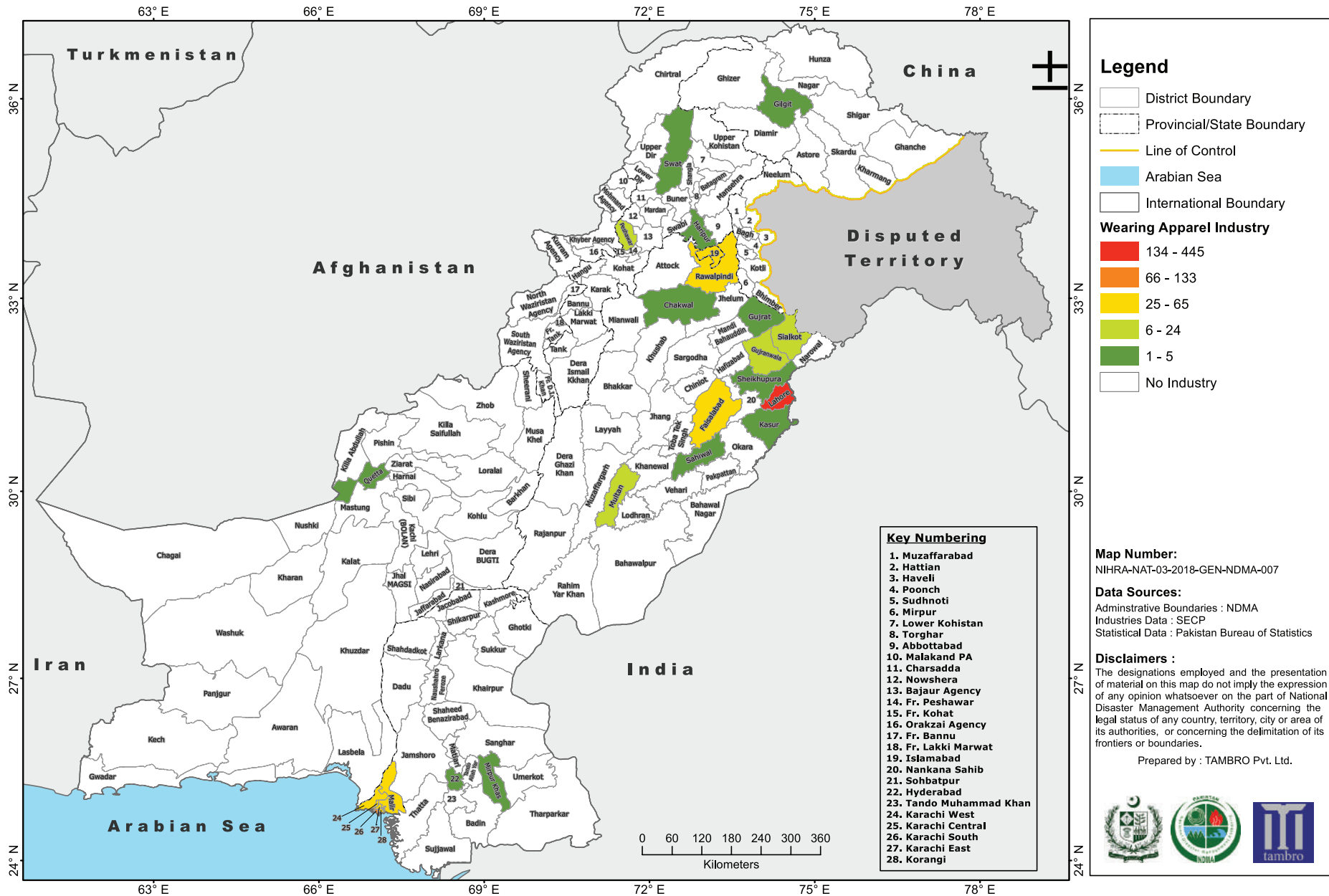
Tobacco Product Industry in Pakistan



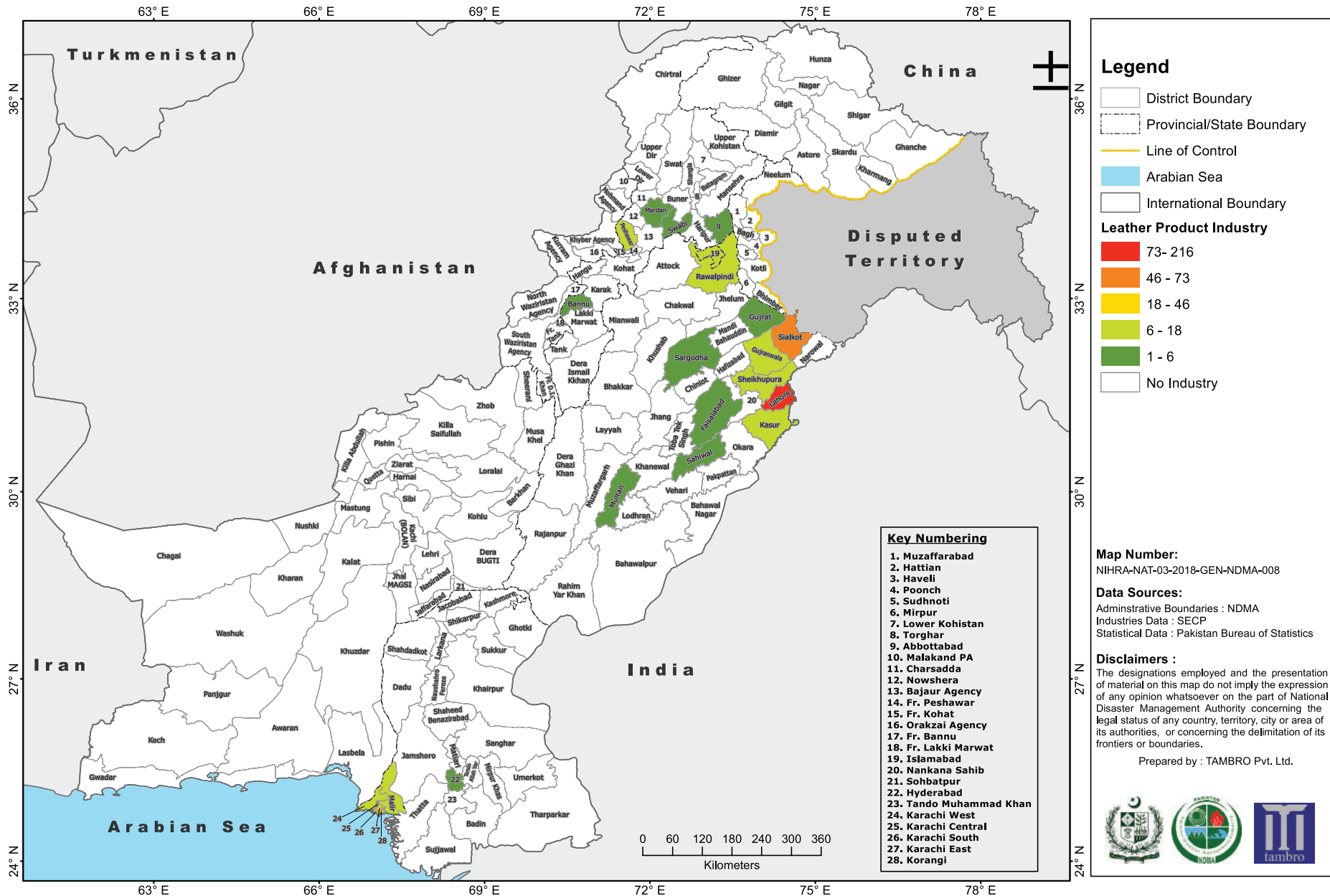
Textiles Industry in Pakistan



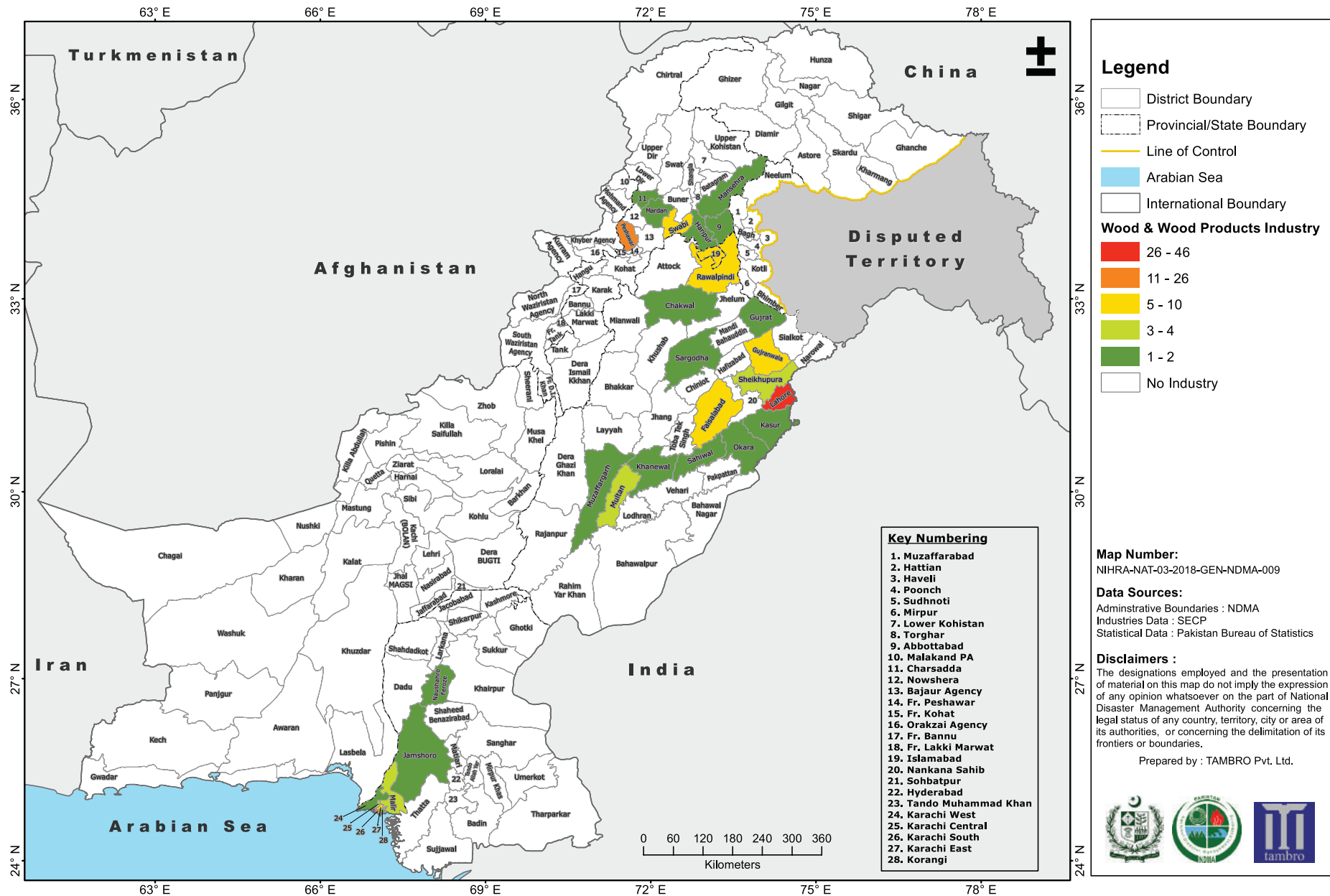
Apparel Industry in Pakistan



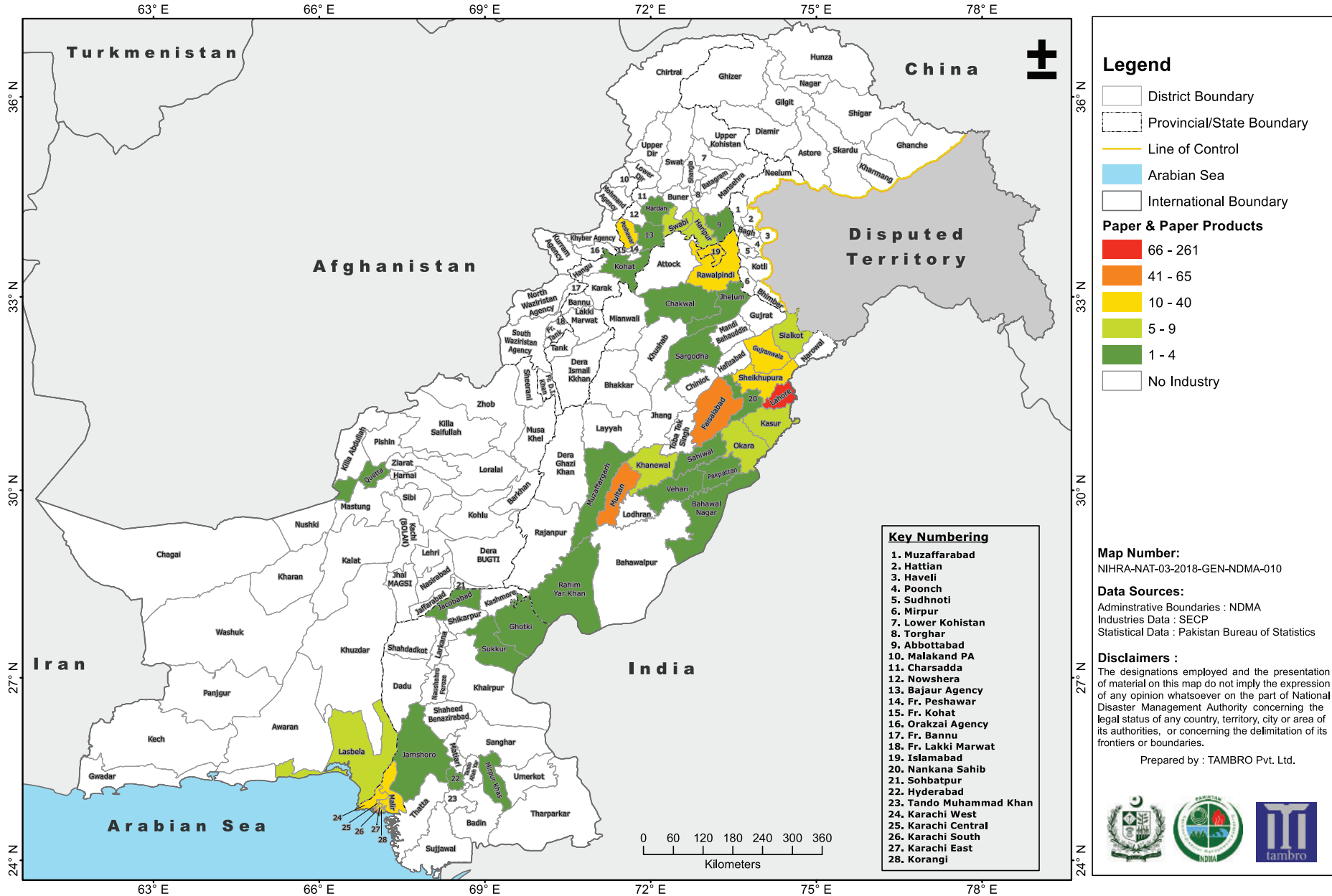
Leather Products Industry in Pakistan



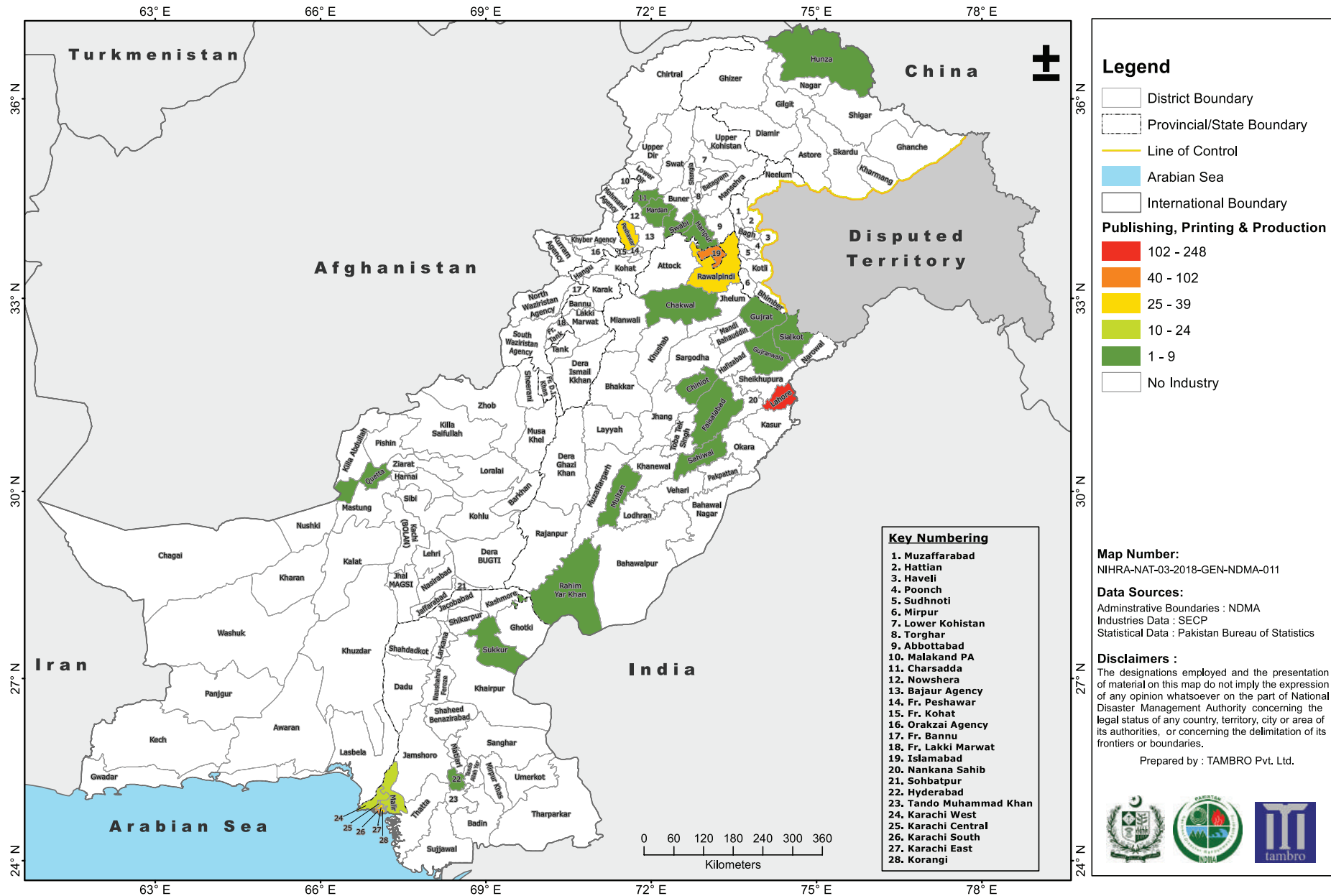
Wooden Products Industry in Pakistan



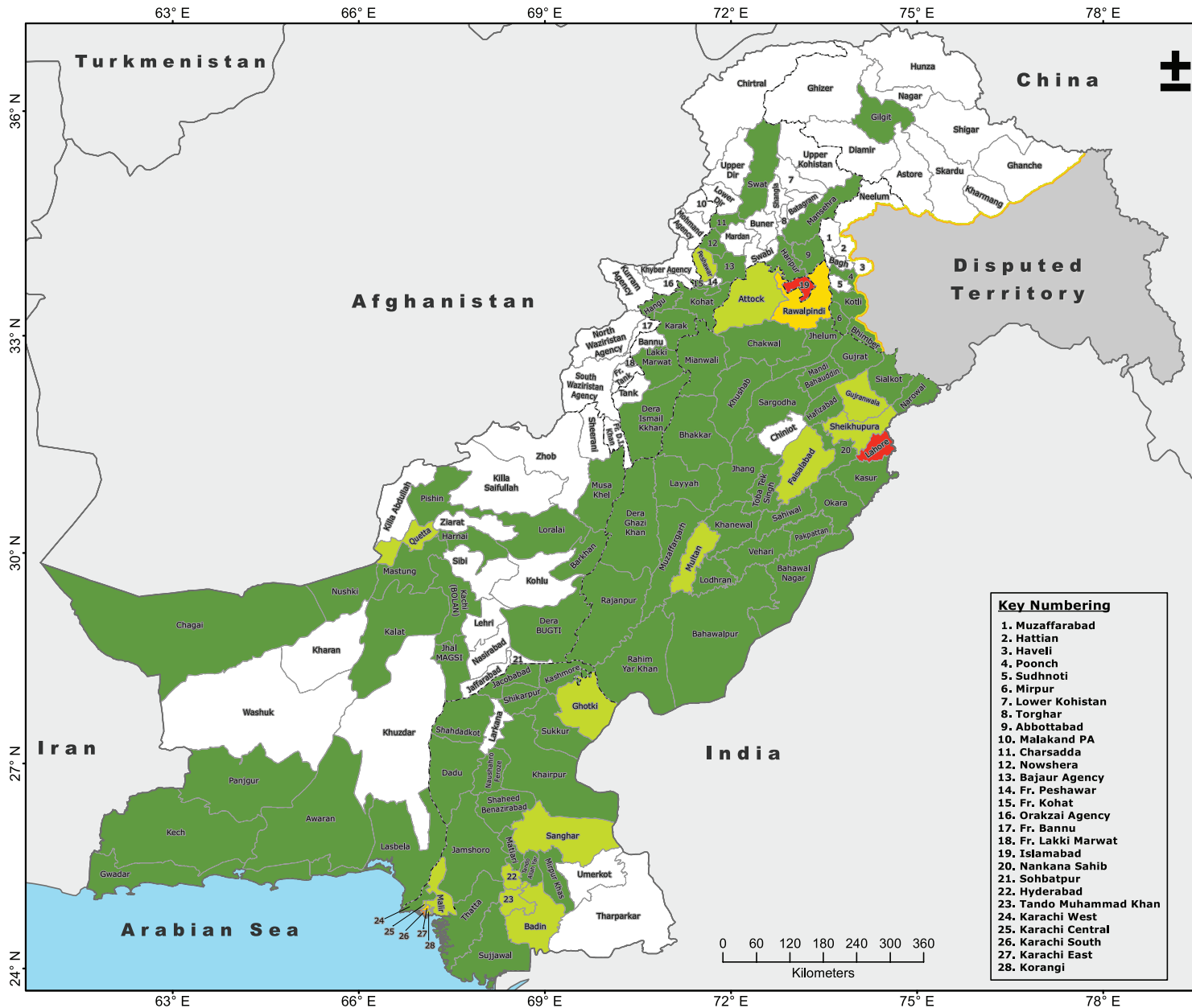
Paper Products Industry in Pakistan



Publishing, Printing & Production Industry in Pakistan



Petroleum Industry in Pakistan



Legend

- District Boundary
- Provincial/State Boundary
- Line of Control
- Arabian Sea
- International Boundary

Petroleum Industry

- 252 - 536
- 130 - 251
- 62 - 129
- 22 - 61
- 1 - 21
- No Industry

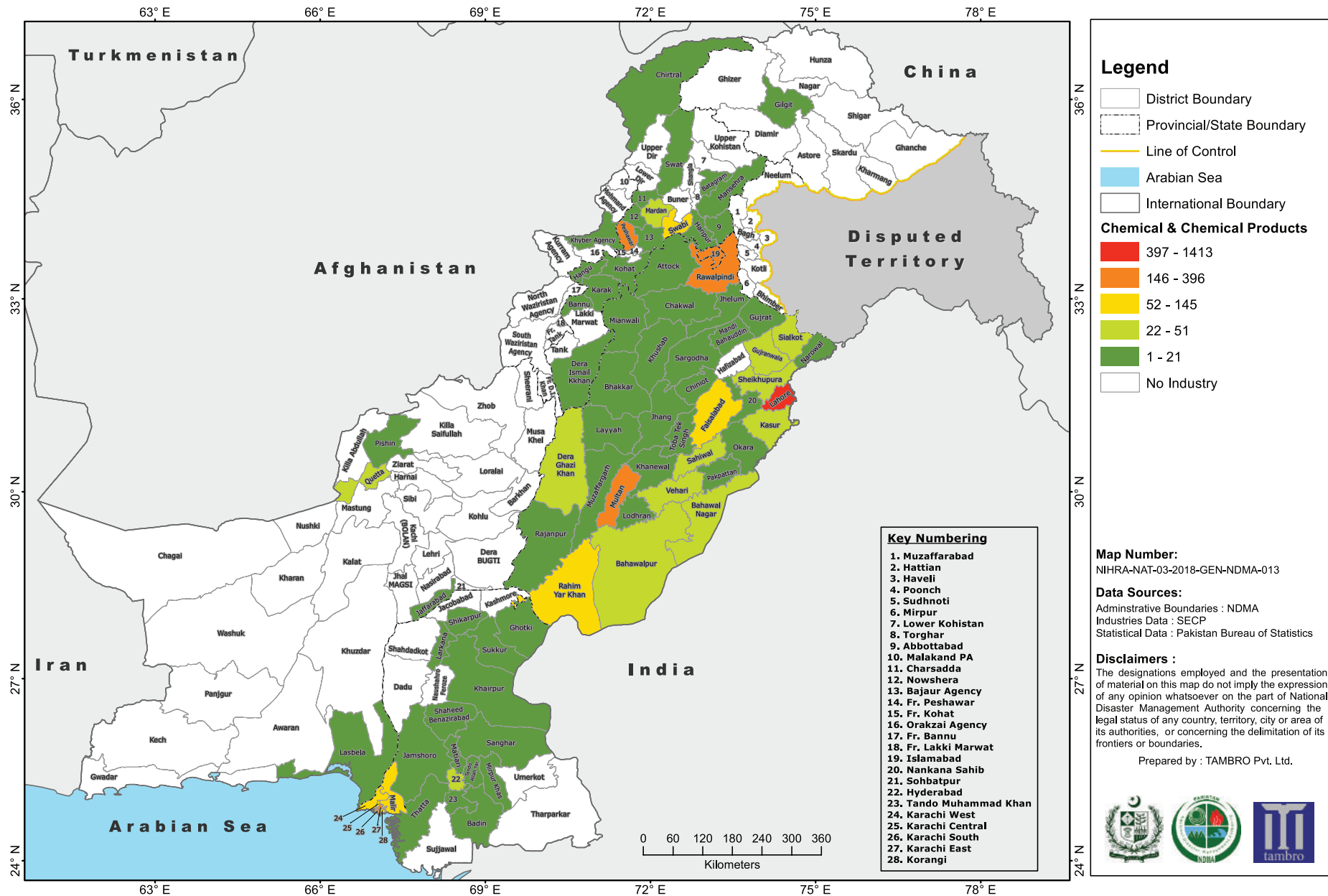
Map Number:
NIHRA-NAT-03-2018-GEN-NDMA-012

Data Sources:
Administrative Boundaries : NDMA
Industries Data : SECP
Statistical Data : Pakistan Bureau of Statistics

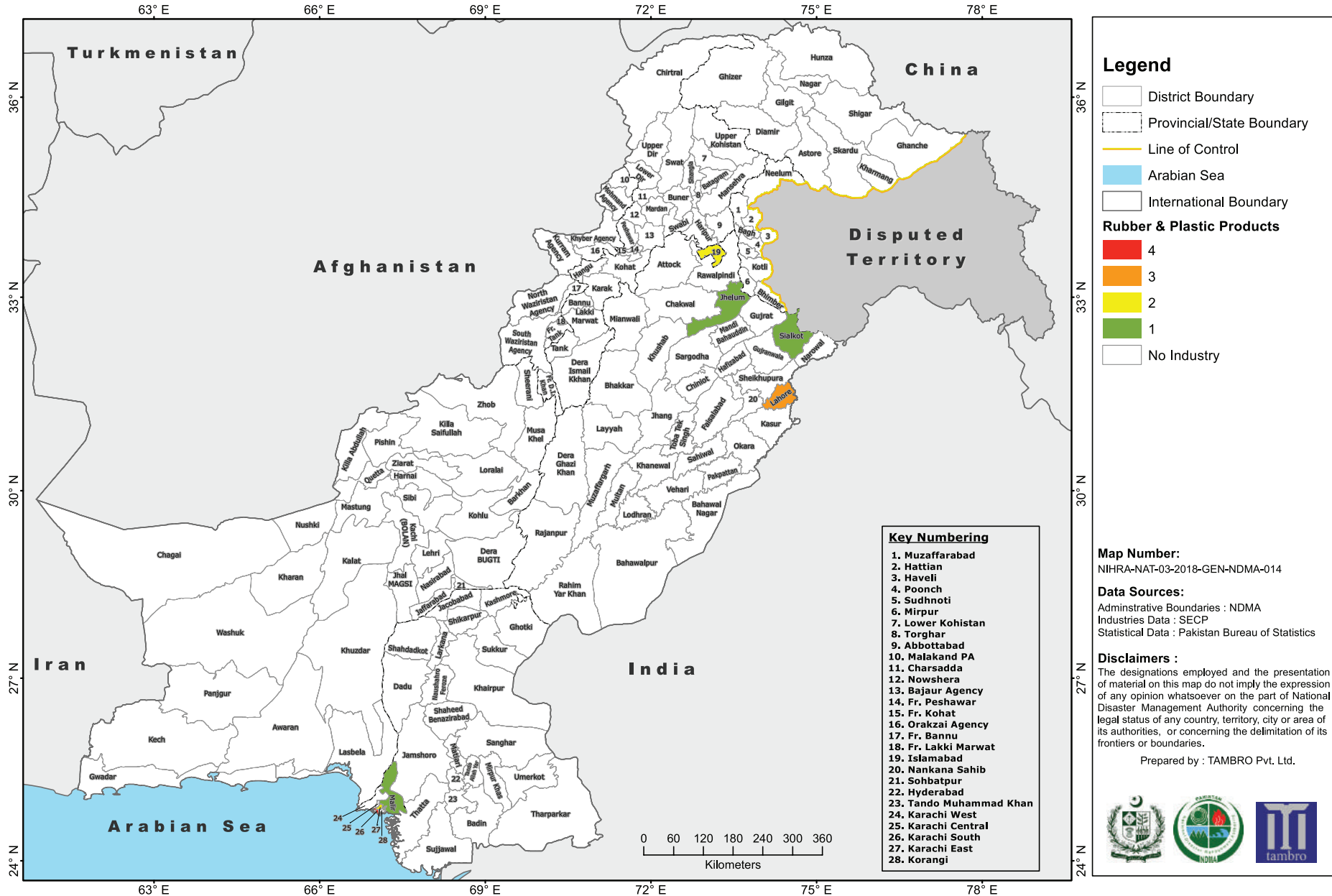
Disclaimers :
The designations employed and the presentation of material on this map do not imply the expression of any opinion whatsoever on the part of National Disaster Management Authority concerning the legal status of any country, territory, city or area of its authorities, or concerning the delimitation of its frontiers or boundaries.

Prepared by : TAMBRO Pvt. Ltd.

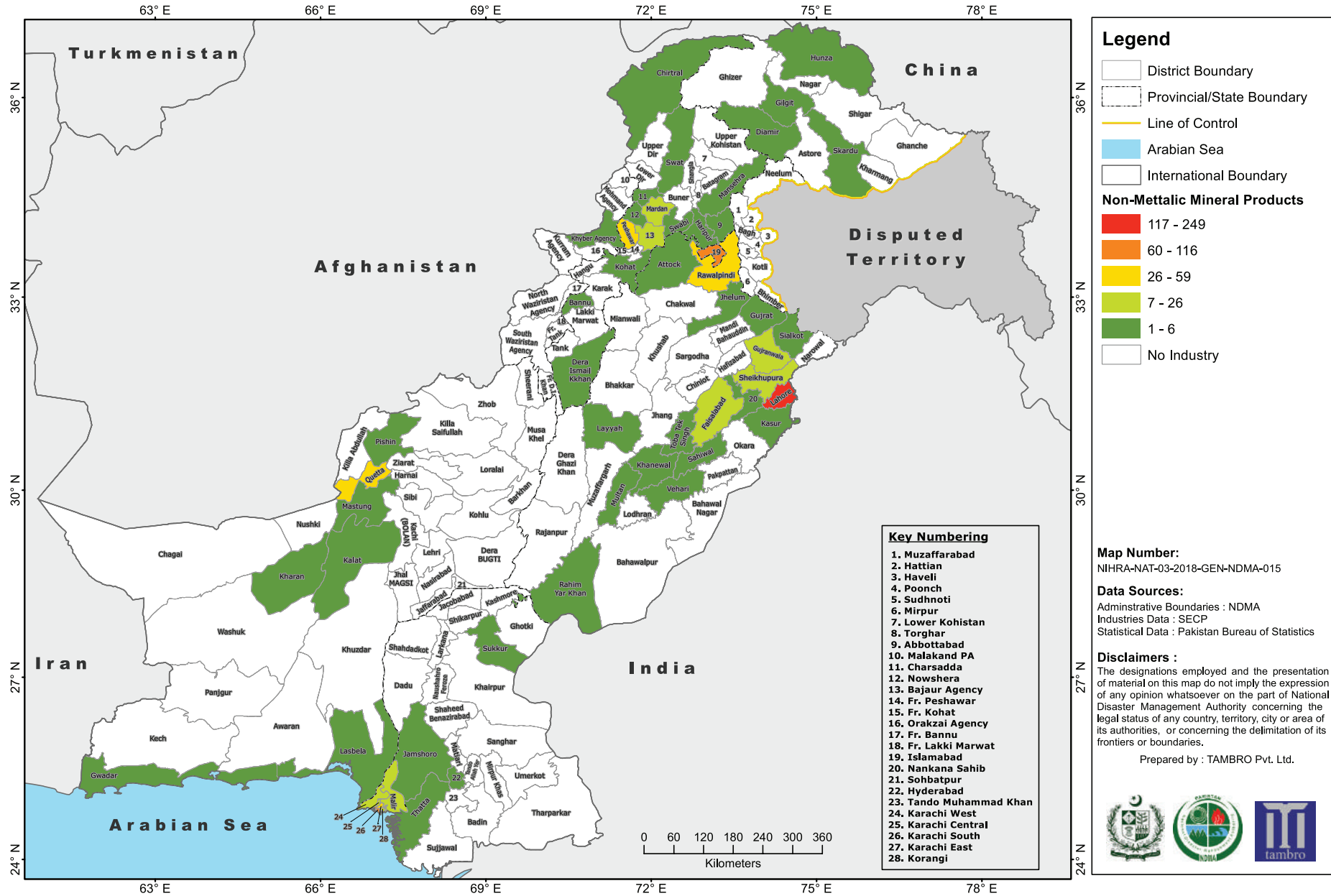
Chemical Products Industry in Pakistan



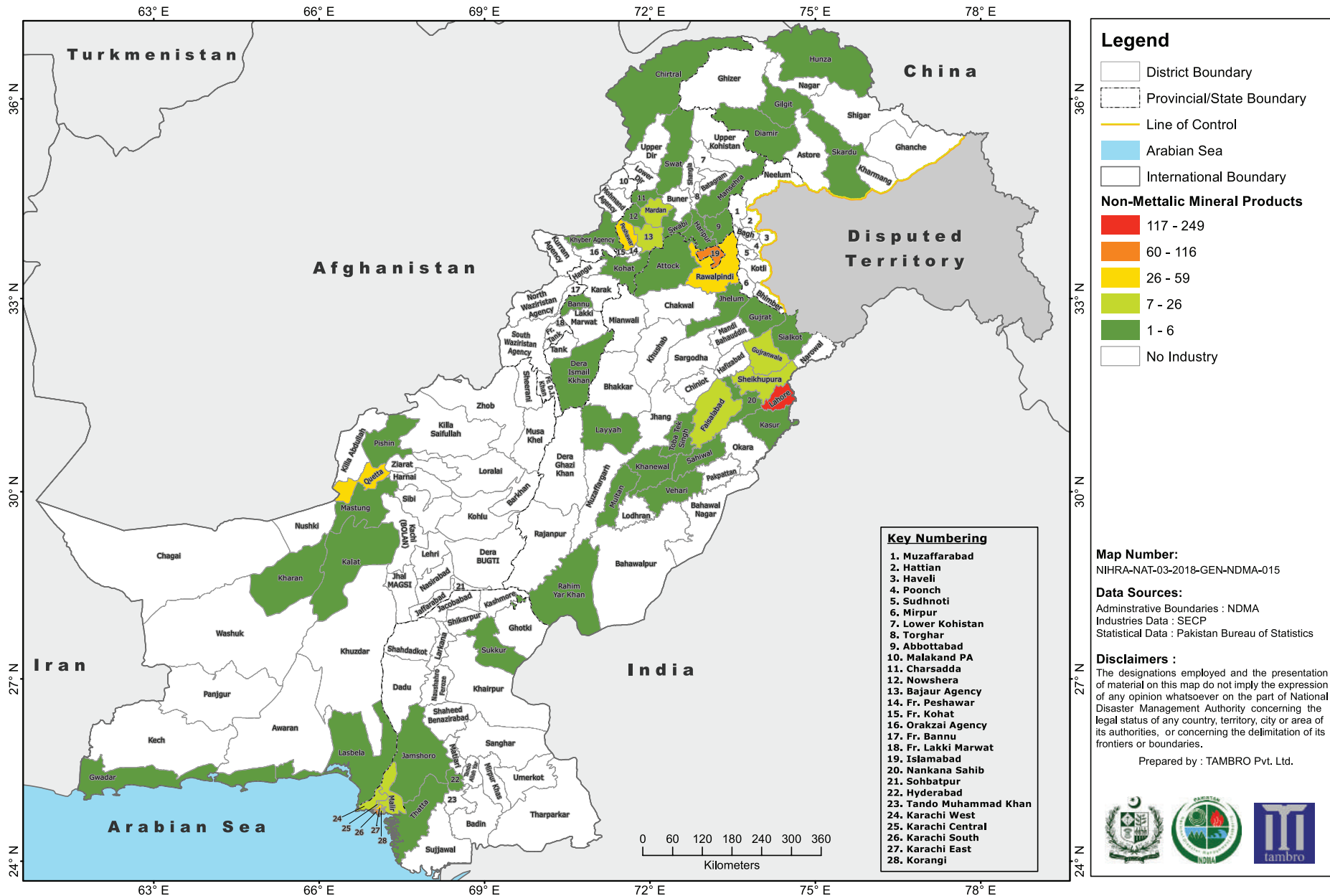
Rubber & Plastic Products Industry in Pakistan



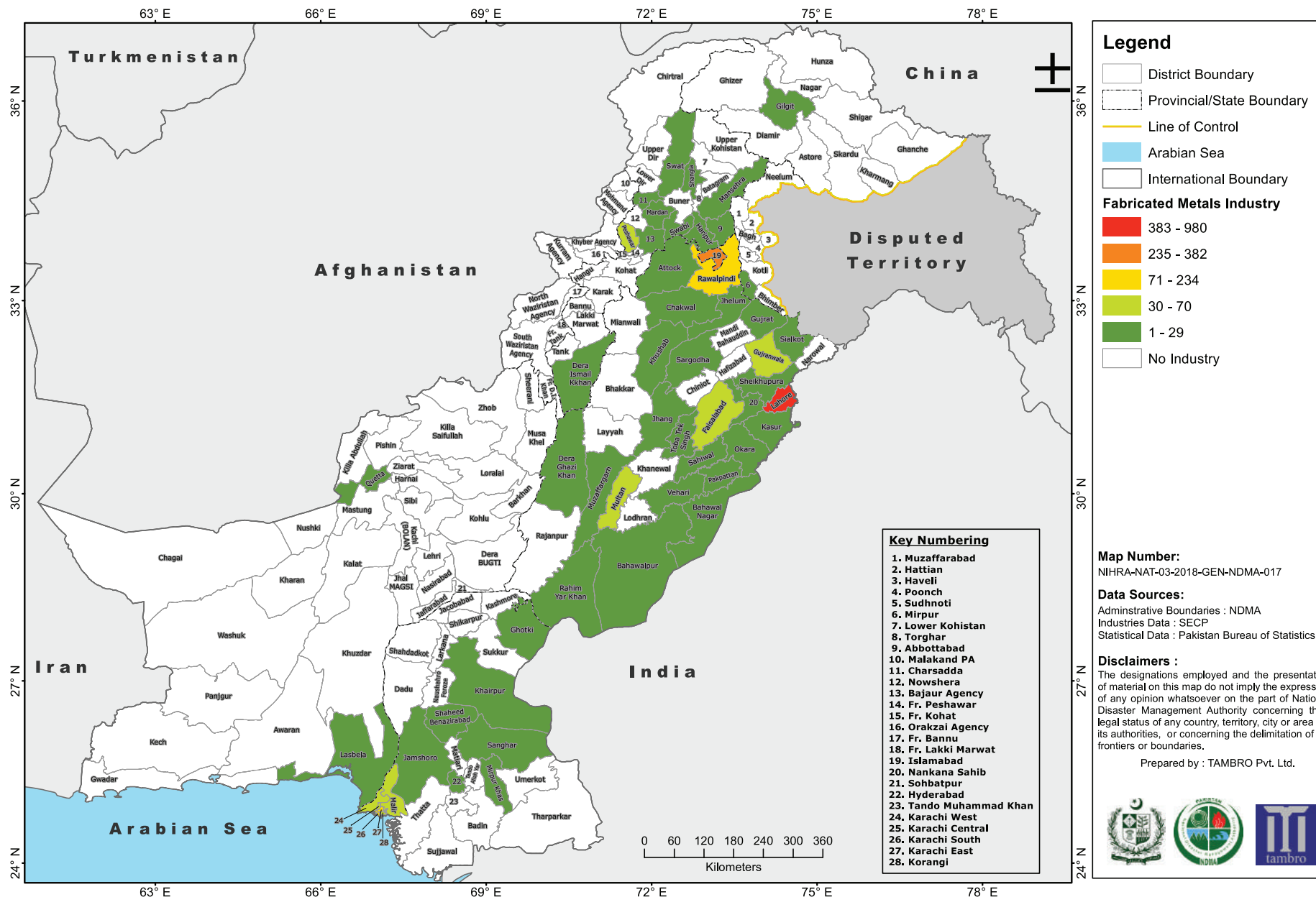
Non-Metallic & Mineral Products Industry in Pakistan



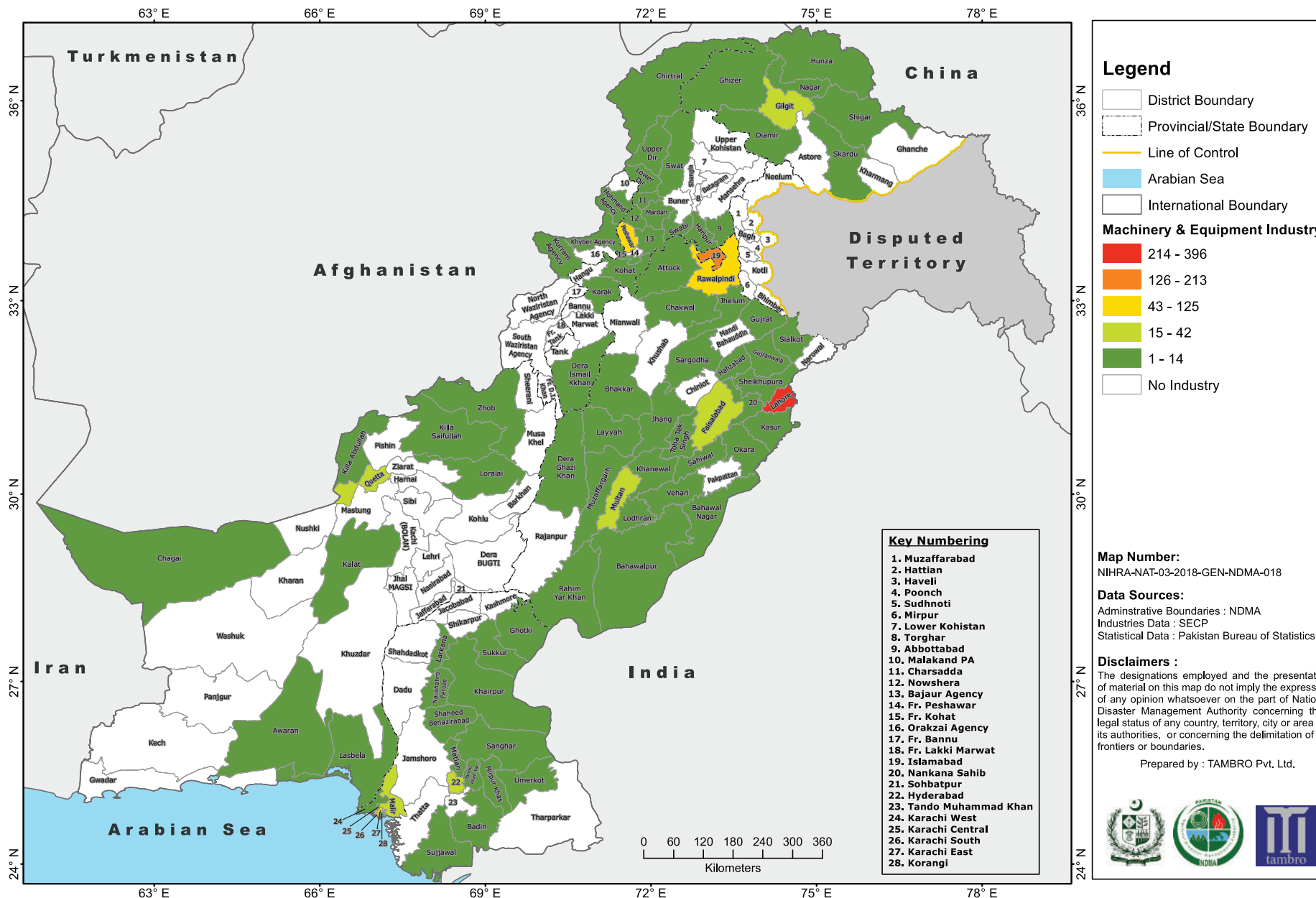
Basic Metals Industry in Pakistan



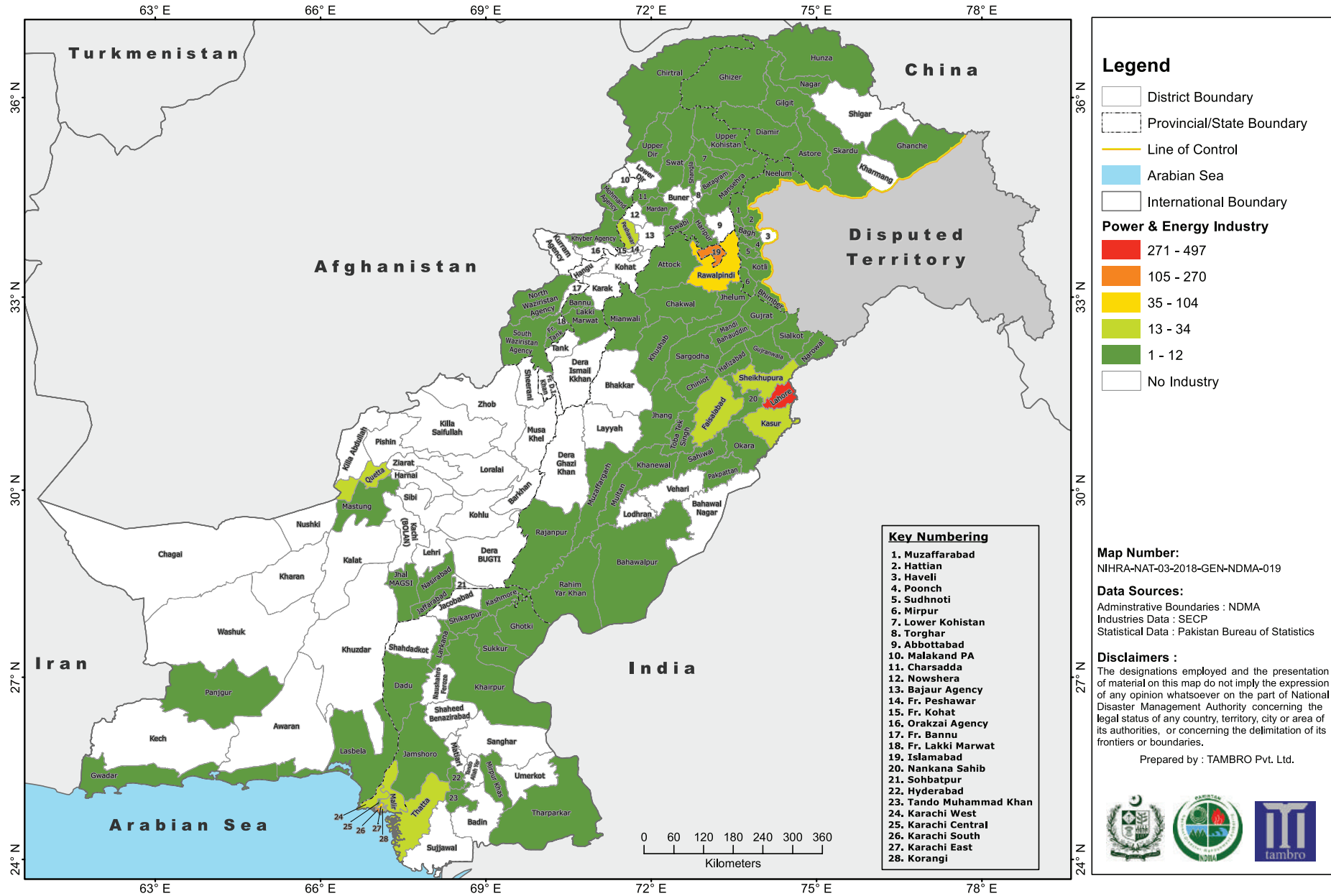
Fabricated Metal Products Industry in Pakistan



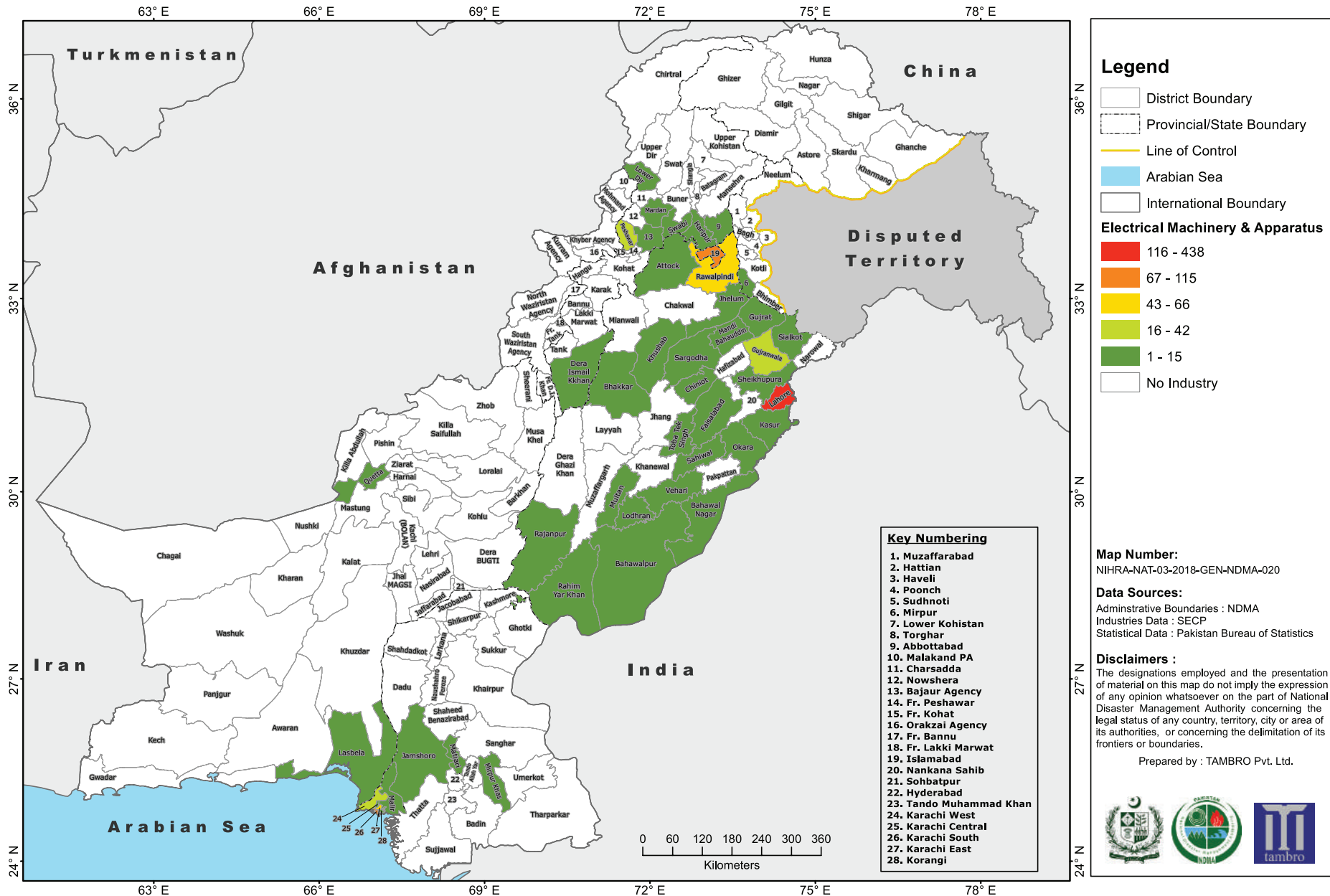
Machinery & Equipment Industry in Pakistan



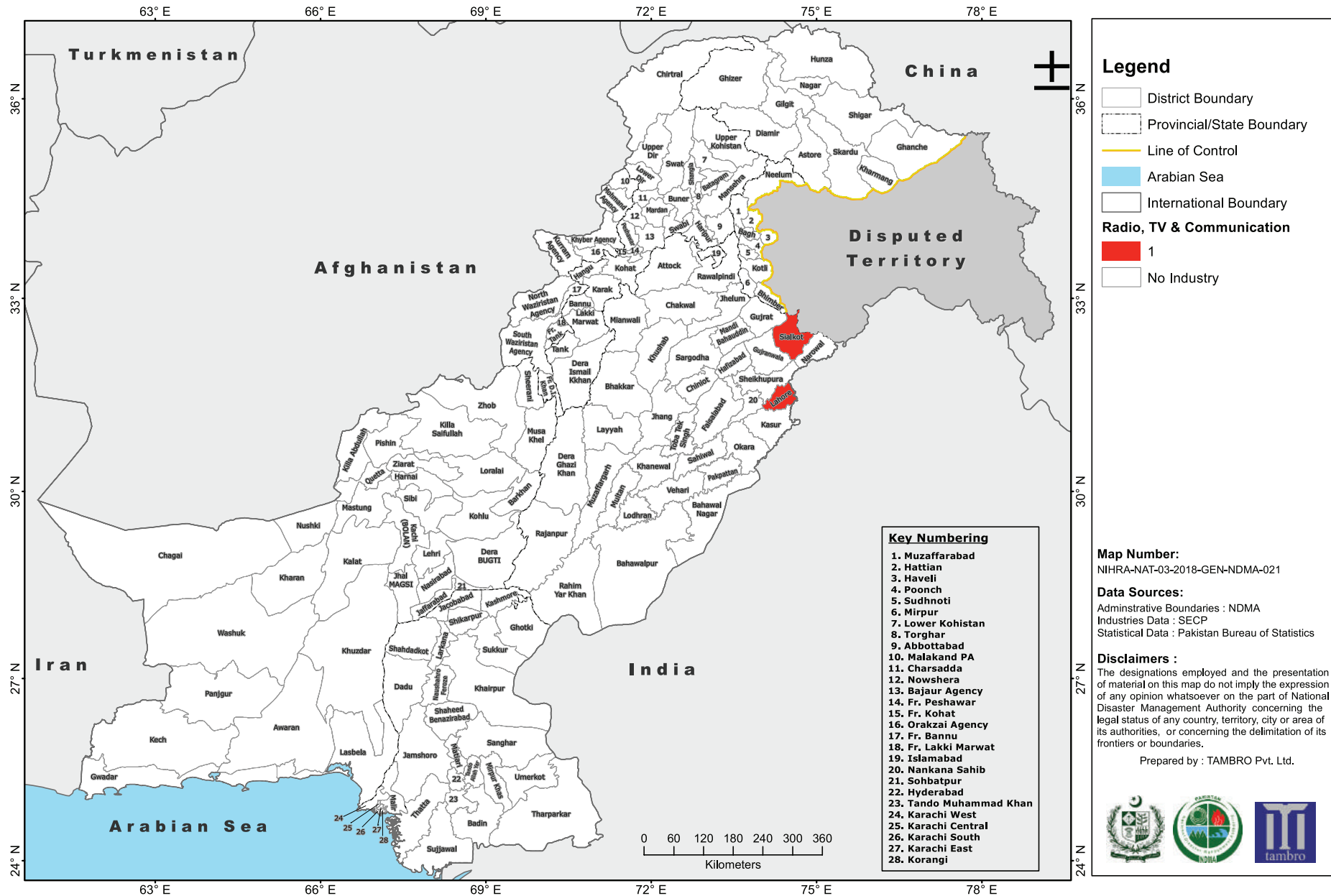
Power & Energy Industry in Pakistan



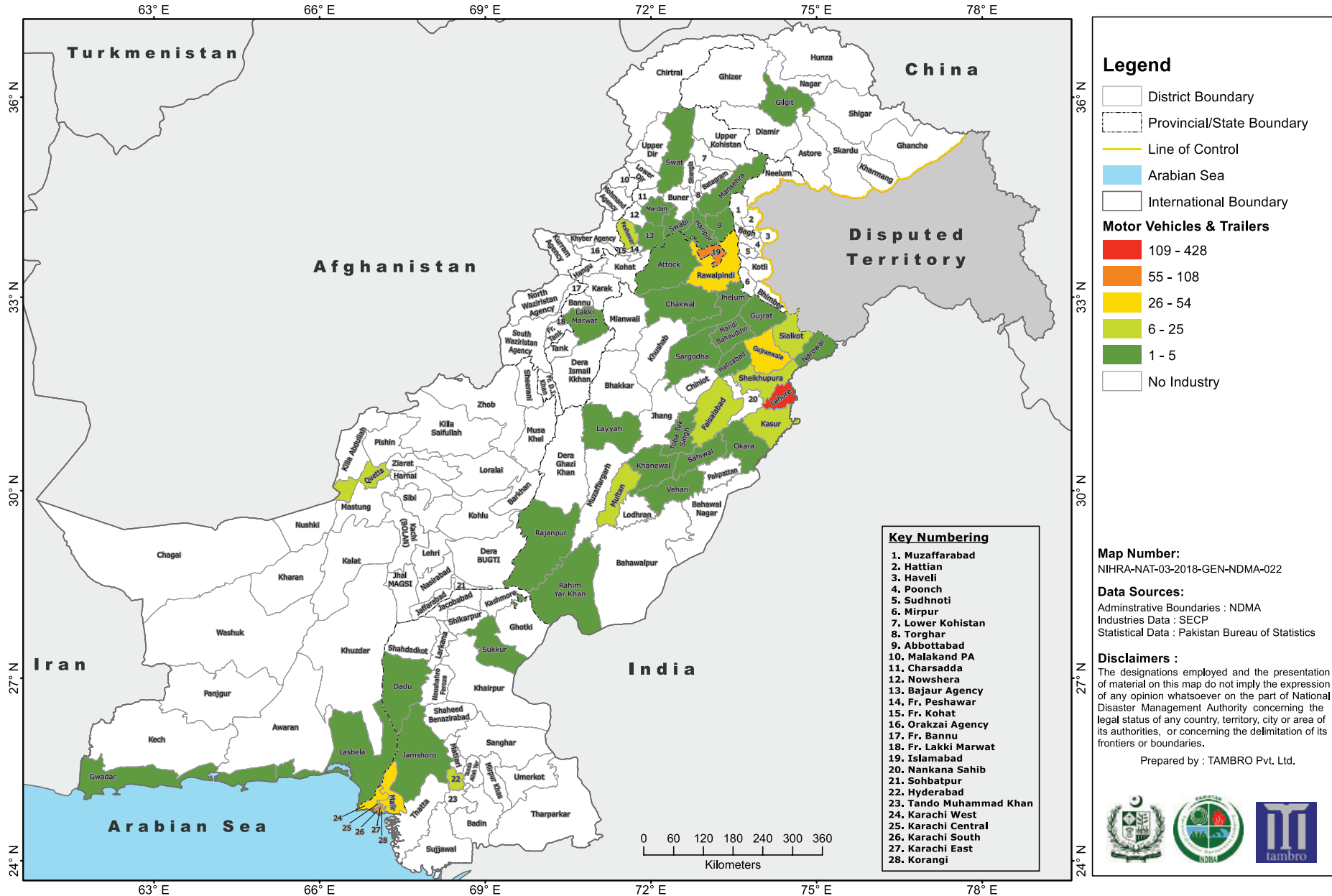
Electrical Machinery & Apparatus Industry in Pakistan



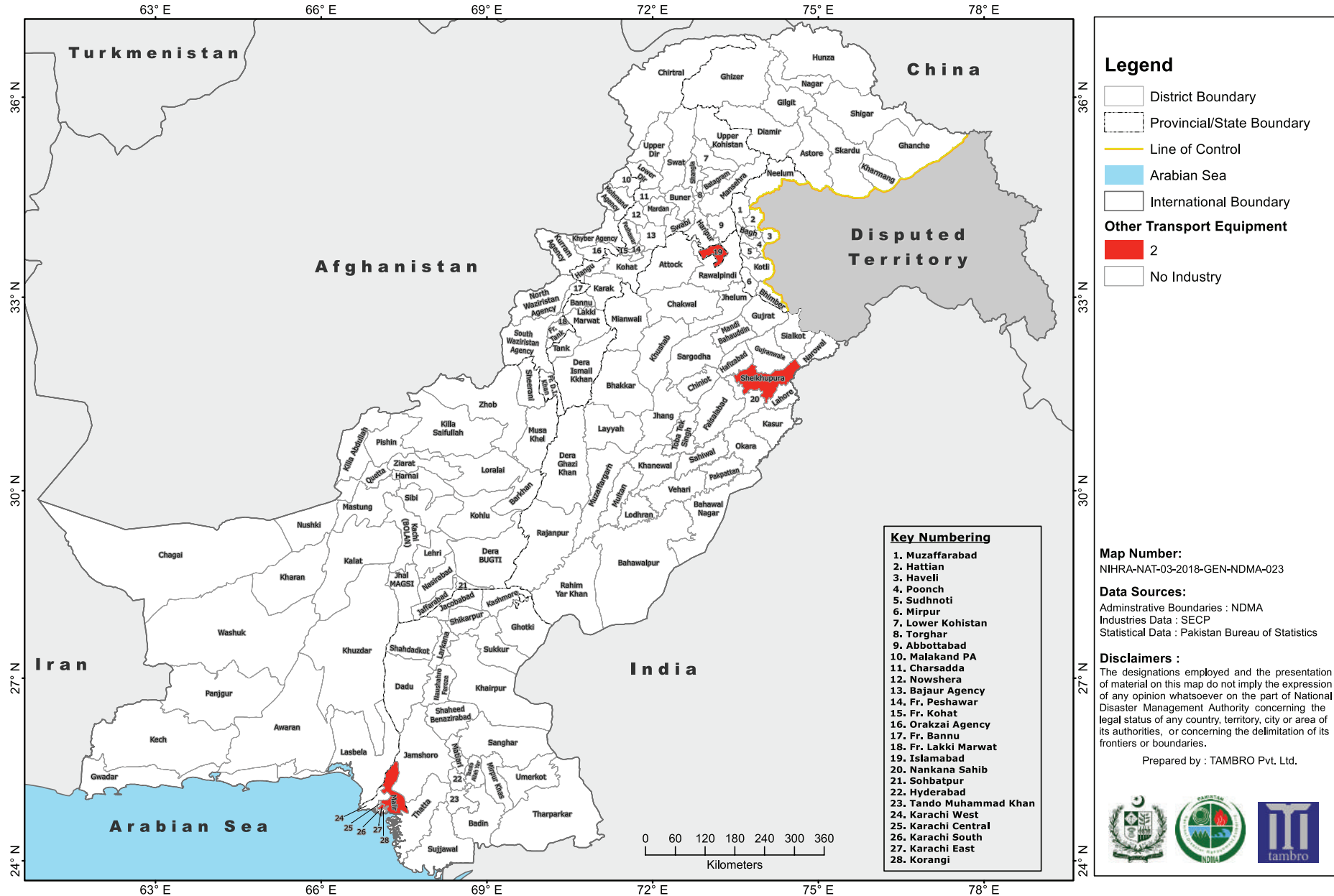
Radio, TV & Communication Equipment Industry in Pakistan



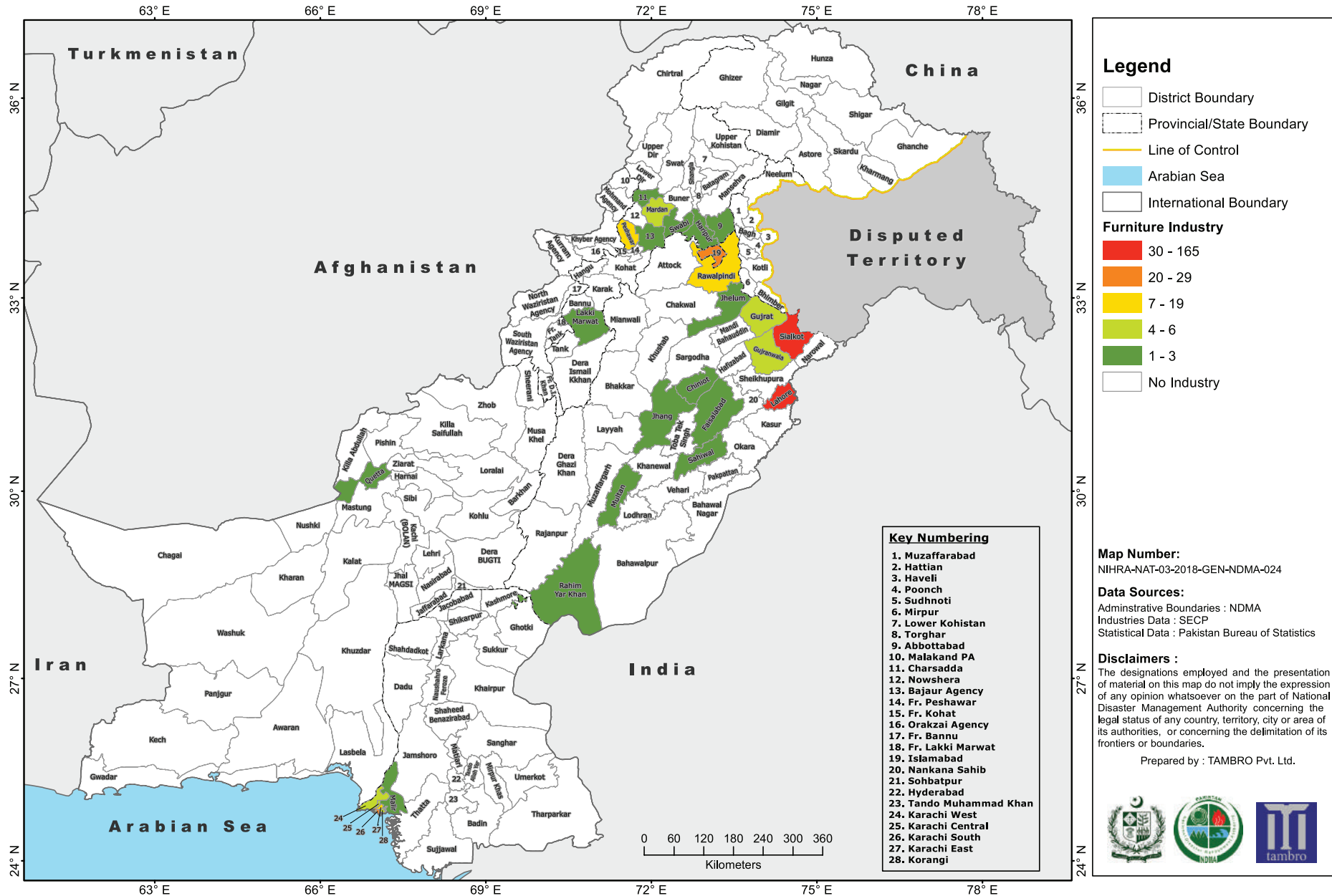
Motor Vehicles & Trailers Industry in Pakistan



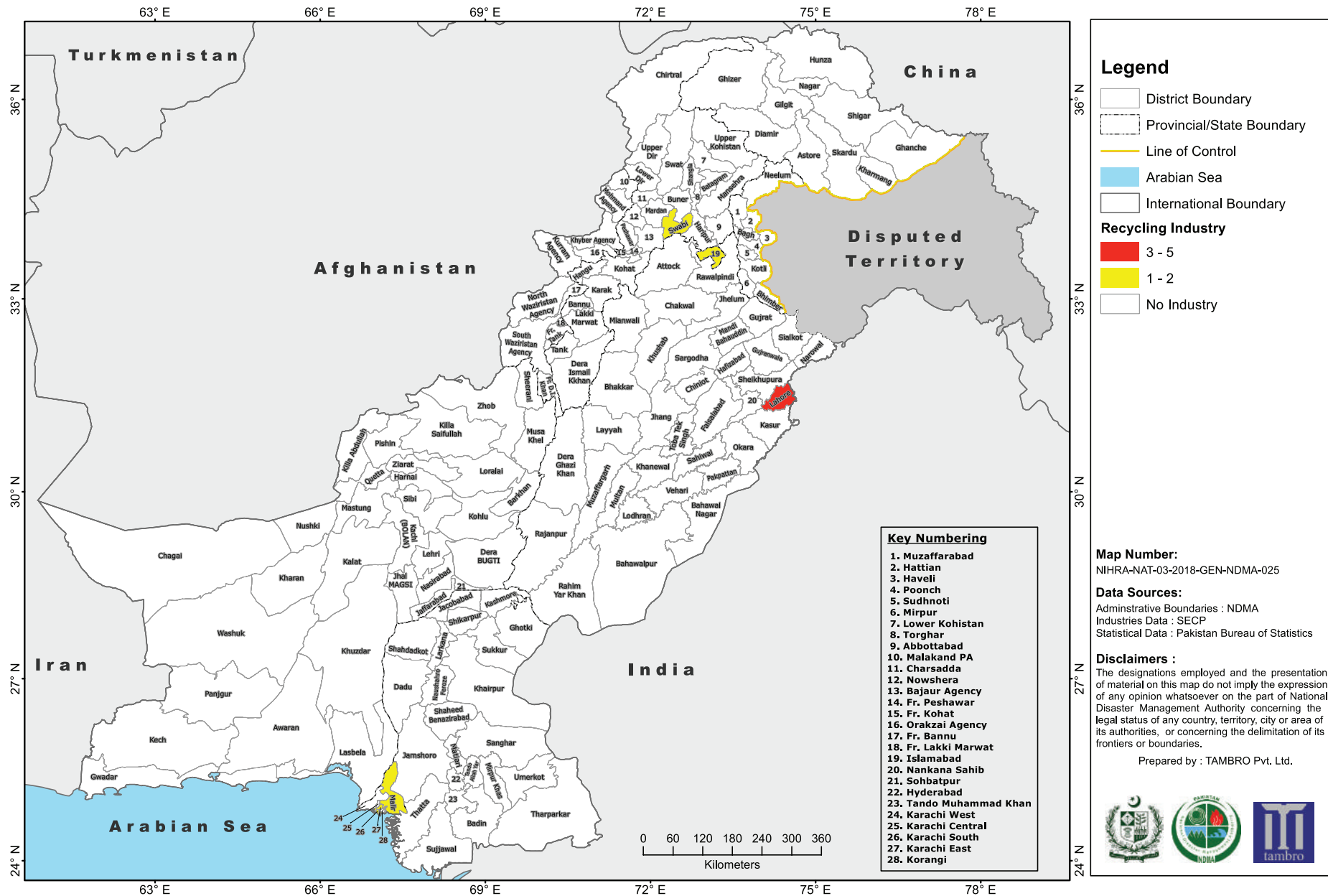
Other Transport Equipment Industry in Pakistan



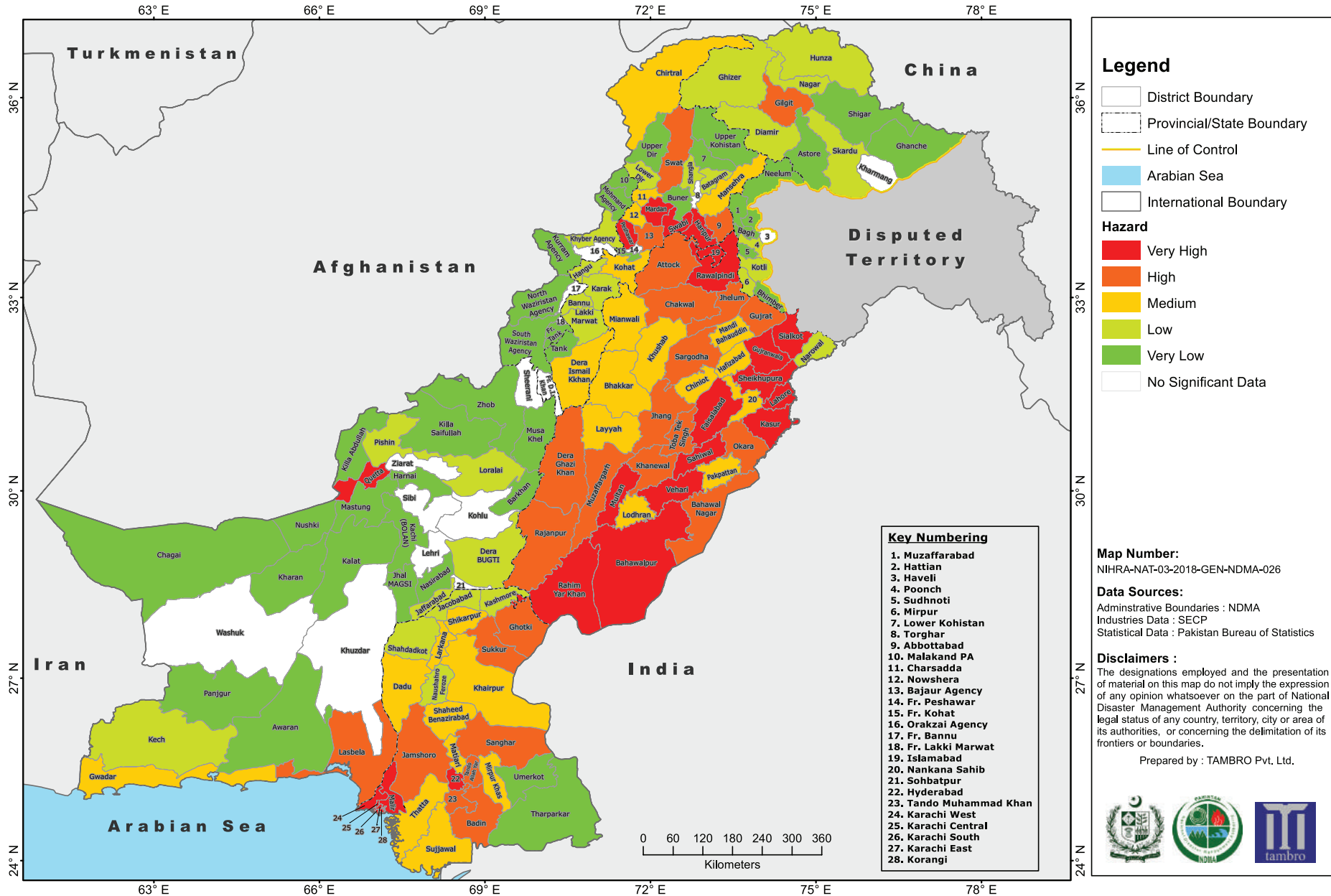
Furniture Industry in Pakistan



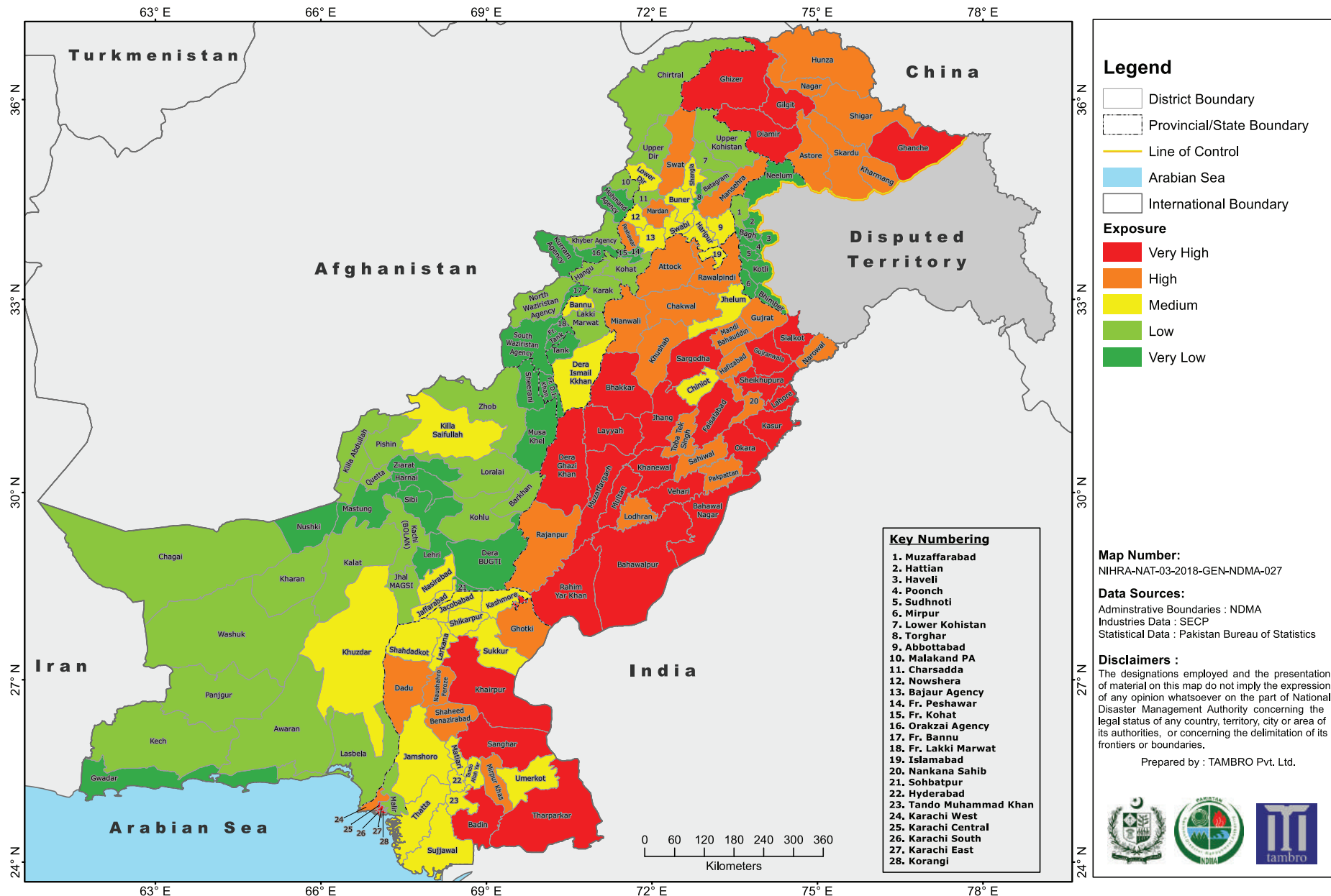
Recycling Industry in Pakistan



Industrial Hazards Map - Pakistan



Industrial Hazards Exposure Map - Pakistan



Industrial Hazards Risk Map - Pakistan

