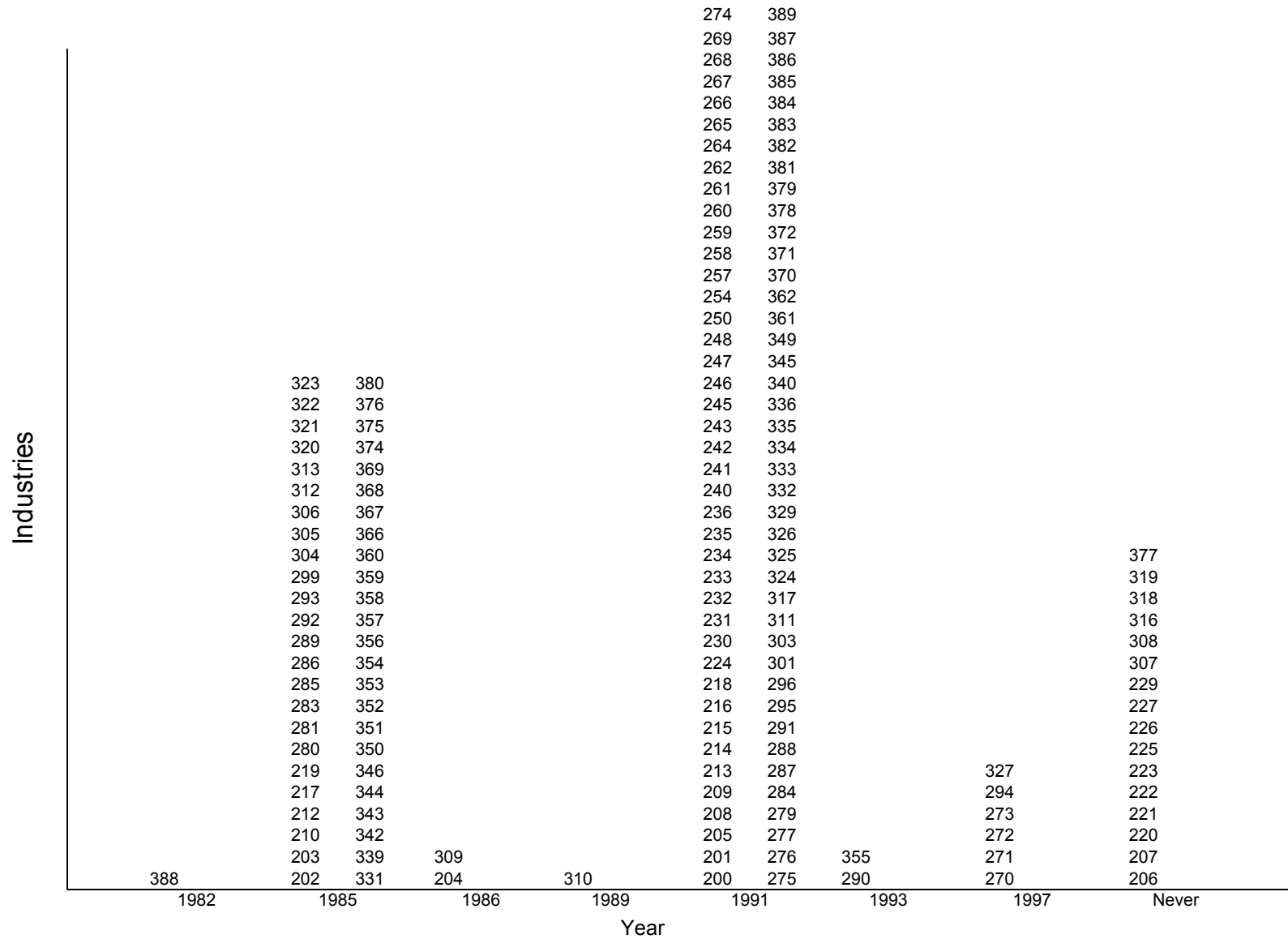
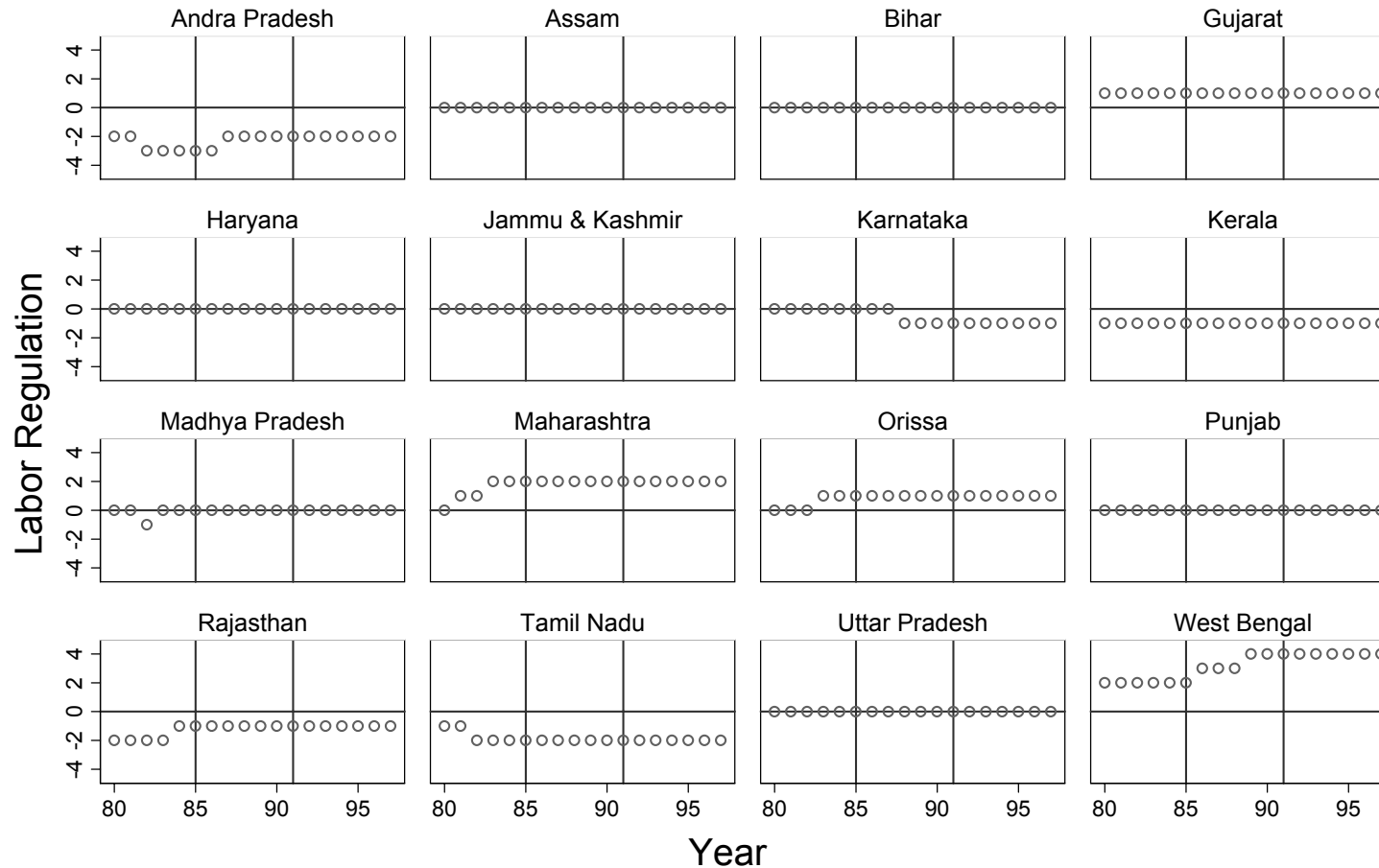


Figure A1 : The Timing of Delicensing in India 1980-97



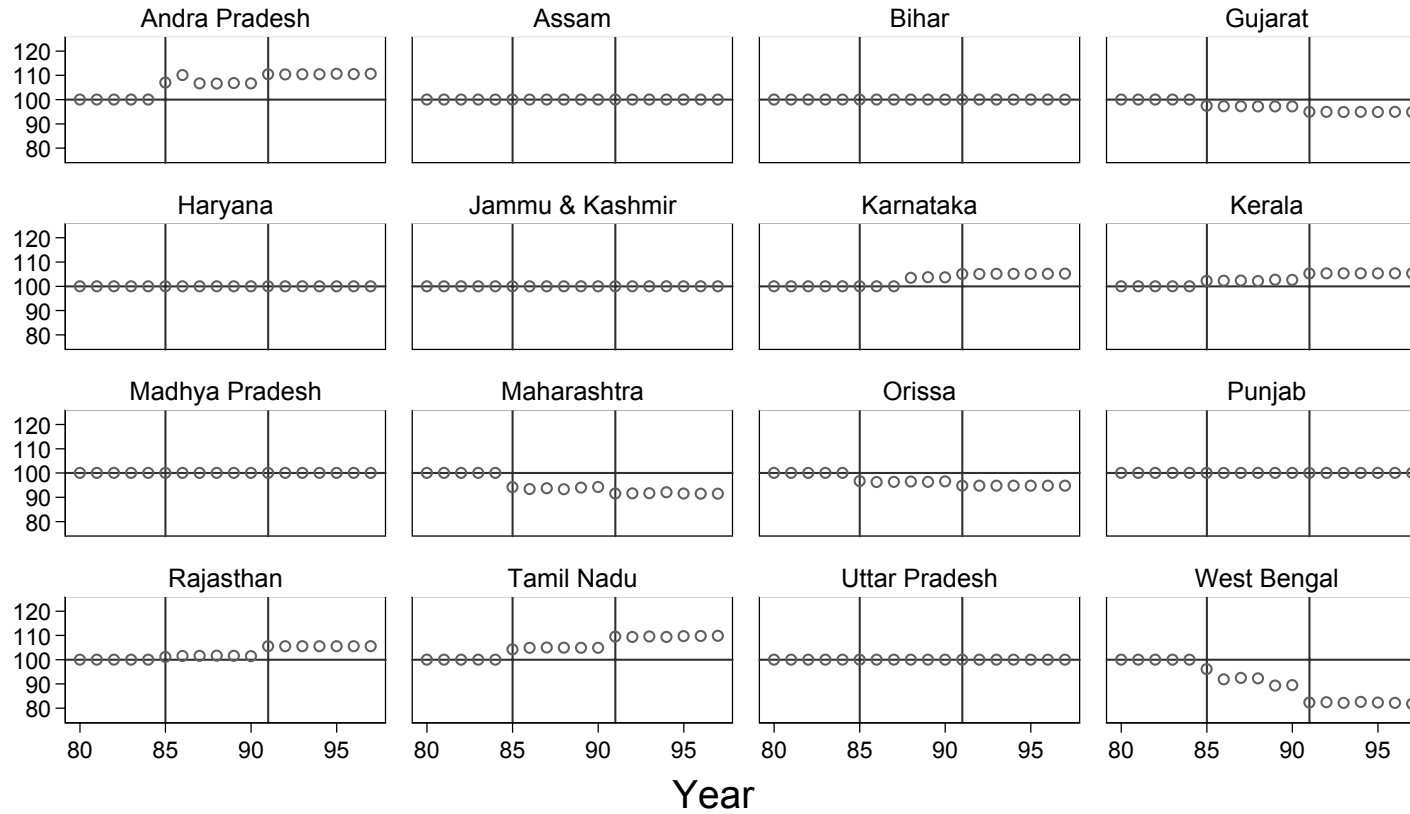
Notes: The figure displays the years in which different three-digit registered manufacturing industries in India were delicensed over the 1980-97 period. The industries shown in the Never column had not been delicensed as of 1997. Numbers refer to three-digit codes in the concordance of the 1970 and 1987 industrial classifications in Table A2. See Table A1 for the detail on how each three-digit industry was coded. See the Data Appendix for further information on variable definitions and the data sources.

Figure A2: Labor Regulation in India 1980-97



Notes: State amendments to the Industrial Disputes Act are coded: 1=pro-worker, 0=neutral, -1=pro-employer and cumulated from 1947-97. Vertical lines denote the two waves of delicensing in 1985 and 1991. See the data appendix for further details on the variables and data sources.

Figure A3: The Unequal Effects of Delicensing in India 1980-97



Notes: For each Indian state we display the ratio of fitted state output (from column (1) of Table 3) to counterfactual state output obtained by setting the delicense-labor regulation interaction to zero in this specification. The fitted-counterfactual ratio has been multiplied by one hundred to be expressed as a percentage. Deviations from a value of one hundred are attributable to the heterogeneous effects of delicensing across states due to their different labor market regulations. Since industry-year and state-year effects absorb, respectively, the level effects of delicensing and labor regulation, the difference between the fitted and counterfactual series can only identify the heterogeneous effects of delicensing. Vertical lines denote the two waves of delicensing in 1985 and 1991.

Table A1: Coding for Delicense Variable

Nic 3	Year delicensed	IDRA Industry	Reason Delicensed
200	1991	Food-processing industries (other)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
201	1991	Food-processing industries (milk products)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
202	1985	Food-processing industries (canned fruits)	"Canned fruits" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
203	1985	Food-processing industries (other)	"Marine products" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
204	1986	Food-processing industries (flour)	"Roller flour milling industry" mentioned in Press Note No. 21 issued 9 July 1986 (Chaudhary 1987)
205	1991	Food-processing industries (other)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
206	0	Sugar	"Sugar" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992 and subsequent issues)
207	0	Sugar	"Sugar" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992 and subsequent issues)
208	1991	Salt (under processed food)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
209	1991	Food-processing industries (other)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
210	1985	Vegetable oils and vanaspati	"Vegetable oils" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
212	1985	Vegetable oils and vanaspati	"Vegetable oils" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
213	1991	Food-processing industries (other)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
214	1991	Food-processing industries (other)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
215	1991	Food-processing industries (other)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
216	1991	Food-processing industries (other)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
217	1985	Food-processing industries (other)	"Cattle feed" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
218	1991	Food-processing industries (other)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
219	1985	Food-processing industries (malted food, other)	"Protein foods" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
220	0	Fermentation industries	"Distillation and Brewing of alcoholic drinks" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992 and subsequent issues)
221	0	Fermentation industries	"Distillation and Brewing of alcoholic drinks" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992 and subsequent issues)
222	0	Fermentation industries	"Distillation and Brewing of alcoholic drinks" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992 and subsequent issues)
223	0	Fermentation industries	"Distillation and Brewing of alcoholic drinks" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992 and subsequent issues)
224	1991	Food-processing industries (other)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
225	0	Miscellaneous industries (tobacco)	"Tobacco and Substitutes" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992 and subsequent issues)
226	0	Miscellaneous industries (tobacco)	"Tobacco and Substitutes" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992 and subsequent issues)
227	0	Miscellaneous industries (tobacco)	"Tobacco and Substitutes" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992 and subsequent issues)
229	0	Miscellaneous industries (tobacco)	"Tobacco and Substitutes" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992 and subsequent issues)
230	1991	Textiles (cotton)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
231	1991	Textiles (cotton)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
232	1991	Textiles (cotton)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
233	1991	Textiles (cotton)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
234	1991	Textiles (cotton)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
235	1991	Textiles (cotton)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
236	1991	Textiles (cotton-dyeing/printing)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
240	1991	Textiles (silk, synthetic, artificial)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)

241	1991	Textiles (wool)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
242	1991	Textiles (wool)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
243	1991	Textiles (wool-dying)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
245	1991	Textiles (silk)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
246	1991	Textiles (silk)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
247	1991	Textiles (artificial)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
248	1991	Textiles (artificial-dying/printing)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
250	1991	Textiles (jute)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
254	1991	Textiles (jute)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
257	1991	Textiles (fibre)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
258	1991	Textiles (fibre)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
259	1991	Textiles (fibre)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
260	1991	Textiles (various)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
261	1991	Textiles (ropes)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
262	1991	Textiles (various)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
264	1991	Textiles (various)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
265	1991	Textiles (various)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
266	1991	Textiles (various)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
267	1991	Textiles (various)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
268	1991	Textiles (various)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
269	1991	Textiles (various)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
270	1997	Timber products (miscellaneous)	"Wood-based products" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992) and delicensed in Press Note No. 11 issued 17 July 1997 (Handbook of Industrial Policy and Statistics 1999)
271	1997	Timber products (plywood)	"Plywood" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992) and delicensed in Press Note No. 11 issued 17 July 1997 (Handbook of Industrial Policy and Statistics 1999)
272	1997	Timber products (miscellaneous)	"Wood-based products" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992) and delicensed in Press Note No. 11 issued 17 July 1997 (Handbook of Industrial Policy and Statistics 1999)
273	1997	Timber products (miscellaneous)	"Wood based products" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992) and delicensed in Press Note No. 11 issued 17 July 1997 (Handbook of Industrial Policy and Statistics 1999)
274	1991	Timber products (miscellaneous)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
275	1991	Timber products (miscellaneous)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
276	1991	Timber products (miscellaneous)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
277	1991	Timber products (miscellaneous)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
279	1991	Timber products (miscellaneous)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
280	1985	Paper and pulp	"Paper and pulp" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
281	1985	Paper and pulp	"Paper and pulp" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
283	1985	Paper and pulp	"Paper and pulp" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
284	1991	Printing and publishing of newspapers	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
285	1985	Printing	"Printing" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)

286	1985	Printing	"Printing" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
287	1991	Engraving, etching, and block-making	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
288	1991	Book binding on account of others	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
289	1985	Printing	"Printing" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
290	1993	Leather, leather goods and pickers	"Raw hides " mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992) and delicensed in Press Note No. 4 issued 23 April 1993 (Handbook of Industrial Policy and Statistics 1999)
291	1991	Manufacture of footwear	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
292	1985	Leather, leather goods and pickers	"Leather goods" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
293	1985	Leather, leather goods and pickers	"Leather goods" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
294	1997	Leather, leather goods and pickers	"Tanned or dressed furskins" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992) and delicensed in Press Note No. 11 issued 17 July 1997 (Handbook of Industrial Policy and Statistics 1999)
295	1991	Leather, leather goods and pickers	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
296	1991	Leather, leather goods and pickers	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
299	1985	Leather, leather goods and pickers	"Leather goods" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
301	1991	Fertilisers	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
303	1991	Chemicals (Paints, varnishes)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
304	1985	Drugs and pharmaceuticals	List of drugs mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
305	1985	Soaps, cosmetics and toilet preparations	"Soap and cosmetics" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
306	1985	Chemicals (industrial gases, man-made fibres)	"Industrial gases" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
307	0	Timber products (matches)	"Matches" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992 and subsequent issues)
308	0	Chemicals (explosives)	"Explosives" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992 and subsequent issues)
309	1986	Chemicals (fine)	"Fine chemicals" mentioned in Press Note No. 32 issued 26 September 1986 (Chaudhary 1987)
310	1989	Rubber goods (tyres and tubes)	"Tyres and tubes" mentioned in Paragraph 4.14, Economic Survey, 1989-90.
311	1991	Rubber goods (footwear)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
312	1985	Rubber goods (surgical)	"Surgical instruments" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
313	1985	Miscellaneous mechanical and engineering industries (plastic moulded goods)	"Plastic moulded goods" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
316	0	Fuels	"Petroleum and its distillation products" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992 and subsequent issues)
317	1991	Fuels	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
318	0	Fuels (coke and derivatives)	"Coal and lignite" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992 and subsequent issues)
319	0	Fuels (coal and lignite)	"Coal and lignite" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992 and subsequent issues)
320	1985	Ceramics (refractories)	"Refractories" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
321	1985	Glass	"Glassware" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
322	1985	Ceramics (pottery)	"Pottery" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
323	1985	Ceramics (sanitary ware, insulators)	"Sanitaryware, insulators" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
324	1991	Cement and gypsum products	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
325	1991	Cement and gypsum products	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
326	1991	Cement and gypsum products	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
327	1997	Cement (asbestos)	"Asbestos" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992) and delicensed in Press Note No. 2 issued 31 July 1997 (Handbook of Industrial Policy and Statistics 1999)

329	1991	Miscellaneous non-metallic mineral products	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
331	1985	Metallurgical industries (ferrous-iron and steel)	"Sponge Iron" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987), "Pig Iron" mentioned in list of industries delicensed for MRTP and FERA companies in December 1985 in Table 4.1, Economic Survey, 1985-86. See also Press Note No. 6 issued 30 January 1986 (Chaudhary 1987).
332	1991	Metallurgical industries (ferro-alloys)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
333	1991	Metallurgical industries (non ferrous)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
334	1991	Metallurgical industries (non ferrous)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
335	1991	Metallurgical industries (non ferrous)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
336	1991	Metallurgical industries (non ferrous)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
339	1985	Metallurgical industries (castings and forgings)	"Iron castings" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987), "Castings and forgings" mentioned in list of industries delicensed for MRTP and FERA companies in December 1985 in Table 4.1, Economic Survey, 1985-86. See also Press Note No. 6 issued 30 January 1986 (Chaudhary 1987).
340	1991	Fabricated structural metal products	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
342	1985	Metallurgical industries (ferrous-iron and steel products)	"Steel furniture" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
343	1985	Miscellaneous mechanical and engineering industries (hand tools)	"Hand tools" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
344	1985	Metallurgical industries (castings and forgings)	"Castings and forgings" mentioned in list of industries delicensed for MRTP and FERA companies in December 1985 in Table 4.1, Economic Survey, 1985-86. See also Press Note No. 6 issued 30 January 1986 (Chaudhary 1987).
345	1991	Metallurgical industries (semi-manufactures and manufactures)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
346	1985	Commercial,office and household equipment (cutlery, pressure cookers)	"Pressure cooker, cutlery" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987).
349	1991	Metallurgical industries (semi-manufactures and manufactures)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
350	1985	Agricultural machinery	"Agricultural Implements" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
351	1985	Industrial machinery-Earth moving machinery	"Industrial machinery" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987).
352	1985	Primer movers	"Steam turbines" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987).
353	1985	Industrial machinery	"Industrial machinery" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987).
354	1985	Industrial machinery	"Industrial machinery" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987).
355	1993	Commercial,office and household equipment (Air-conditioners and refrigerators)	"White goods" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992) and delicensed in Press Note No. 4 issued 23 April 1993 (Handbook of Industrial Policy and Statistics 1999)
356	1985	Industrial machinery (general items)	"Water pumps" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987).
357	1985	Industrial machinery (general items)	"Industrial machinery" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987).
358	1985	Commercial,office and household equipment (typewriter, calculating machines)	"Office equipment" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
359	1985	Industrial machinery (general items)	"Industrial sewing machines-office equipment" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
360	1985	Electrical equipment	"Electrical equipment" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
361	1991	Electrical equipment (cables and wires)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
362	1991	Electrical equipment (storage batteries, dry cells)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
366	1985	Telecommunications (+ some household/office equipment)	"Magnetic tapes" and "broadcasting equipment" mentioned in list of industries delicensed for MRTP and FERA companies in December 1985 in Table 4.1, Economic Survey, 1985-86. See also Press Note No. 6 issued 30 January 1986 (Chaudhary 1987).
367	1985	Electrical equipment (household appliances)	"Computer peripherals" mentioned in list of industries delicensed for MRTP and FERA companies in December 1985 in Table 4.1, Economic Survey, 1985-86. See also Press Note No. 6 issued 30 January 1986 (Chaudhary 1987).
368	1985	Electrical equipment (household appliances)	"Electronic components" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
369	1985	Electrical equipment (lamps, x-ray equipment)	"Electronic components" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)

370	1991	Transportation(ships)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
371	1991	Transportation(railway locomotives)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
372	1991	Transportation(railway rolling-stock)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
374	1985	Transportation(automobiles)	"Automotive ancillaries" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
375	1985	Transportation (motorized cycles)	"Cycles" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
376	1985	Transportation (bicycles)	"Cycles" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
377	0	Transportation(aircraft)	"Electronic aerospace equipment" mentioned in Compulsory Licensing list 1991 (Handbook of Industrial Statistics 1992 and subsequent issues)
378	1991	Transportation(others)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
379	1991	Transportation(others)	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
380	1985	Medical and surgical appliances, Industrial, mathematical instruments	"Industrial and Scientific instruments" mentioned in Press Note No. 7 issued 16 March 1985 (Chaudhary 1987)
381	1991	Photographic, cinematographic and optical goods	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
382	1991	Manufacture of watches and clocks	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
383	1991	Manufacture of jewellery and related articles	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
384	1991	Minting of currency coins	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
385	1991	Manufacture of sports and athletic goods	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
386	1991	Manufacture of musical instruments	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
387	1991	Manufacture of stationery articles	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)
388	1982	Electrical equipment	"Equipment for exploitation of alternate sources of energy" mentioned in Press Note issued 21 January 1982 (Chaudhary 1987)
389	1991	Manufacture of miscellaneous products	Delicensed in the Statement on Industrial Policy 24 July 1991 (Handbook of Industrial Statistics 1992)

Notes: a year delicensed of "0" indicates that an industry had not been delicensed by 1997. Nic 3 codes are based on the concordance between the 1970 and 1987 industrial classifications in Table A2.

Table A2: Concordance Between 1970 and 1987 Industry Classifications

NIC70		NIC87		Notes	NIC3_8770
200	Slaughtering, preparation and preservation of meat	200	Slaughtering, preparation and preservation of meat		200
201	Manufacture of dairy products	201	Manufacture of dairy products		201
202	Canning and preservation of fruits and vegetables	202	Canning and preservation of fruits and vegetables		202
203	Processing canning and preserving of fish, crustacean and similar foods	203	Processing canning and preserving of fish, crustacean and similar foods		203
204	Grain Milling	204	Grain Milling		204
205	Manufacture of bakery products	205	Manufacture of bakery products		205
206	Manufacture and refining of sugar (vacuum pan sugar factories)	206	Manufacture and refining of sugar (vacuum pan sugar factories)		206
207	Production of indigenous sugar, Boora, Khandsari, Gur, etc. from sugar-cane palm juice, etc.	207	Production of indigenous sugar, Boora, Khandsari, Gur, etc. from sugar-cane palm juice, etc.		207
208	Production of common salt	208	Production of common salt		208
209	Manufacture of cocoa products and sugar confectionery (Including sweetmeats)	209	Manufacture of cocoa products and sugar confectionery (Including sweetmeats)		209
210	Manufacture of hydrogenated oils and vanaspati ghee etc.	210	Manufacture of hydrogenated oils and vanaspati ghee etc.		210
211	Manufacture of other edible oils & fats, e.g. mustard oil, groundnut oil, til oil, etc. (inedible oils shown under 315)			Agg NIC87 211 + 212 into NIC70 211 (labelled NIC3 212)	212
		211	Manufacture of vegetable oils and fats (other than hydrogenated)		212
		212	Manufacture of animals oils and fats; manufacture of fish oil		212
212	Tea processing	213	Processing and blending of tea including manufacture of instant tea		213
213	Coffee curing, roasting and grinding	214	Coffee curing, roasting, grinding and blending etc. including manufacture of instant coffee		214
214	Cashewnut processing, like drying, shelling, roasting, salting, etc	215	Processing of edible nuts		215
215	Manufacture of ice	216	Manufacture of ice		216
216	Manufacture of prepared animal feeds	217	Manufacture of prepared animal and bird feed		217
217	Manufacture of starch	218	Manufacture of starch		218
219	Manufacture of food products not elsewhere classified	219	Manufacture of food products not elsewhere classified		219
220	Distilling, rectifying and blending of spirits	220	Distilling, rectifying and blending of spirits; ethyl alcohol production from fermented materials		220
221	Manufacture of wines	221	Manufacture of wines		221
222	Manufacture of malt liquors and malt	222	Manufacture of malt liquors and malt		222
223	Production of country liquor and toddy	223	Production of country liquor (arrack and toddy etc.)		223
224	Soft drinks and carbonated water industries	224	Manufacture of soft drinks and syrups		224

225	Tobacco stemming, redrying and all other operations connected with preparing raw leaf tobacco	225	Tobacco stemming, redrying and all other operations connected with preparing raw leaf tobacco		225
226	Manufacture of bidi	226	Manufacture of bidi		226
227	Manufacture of cigars, cigarettes, cheroots, and cigarette tobacco	227	Manufacture of cigars, cigarettes, cheroots, and cigarette tobacco		227
228	Manufacture of chewing tobacco, snuff and zarda			Agg NIC70 228 + 229 into an Agg of NIC87 228 + 229 (labelled NIC3 229)	229
229	Manufacture of tobacco & tobacco products n.e.c.				229
		228	Manufacture of 'snuff', 'zarda', chewing tobacco and other tobacco products n.e.c. (except pan-masala containing tobacco)		229
		229	Manufacture of pan-masala, catechu ('kattha') and chewing lime		229
230	Cotton ginning, cleaning and baling	230	Cotton ginning, cleaning and baling		230
231	Cotton spinning, weaving, shrinking, sanforizing, mercerising, and finishing of cotton textiles in mills	235	Cotton spinning, weaving and processing in mills		235
232	Bleaching, dyeing and printing of cotton textiles	236	Bleaching, dyeing and printing of cotton textiles (This group includes bleaching, dyeing and printing of not self-produced cotton textiles. No distinction is to be made fee or contract basis or by purchasing the materials and selling the finished products Bleaching, dyeing and printing of self-produced textiles in composite mills classified in class 235.4)		236
233	Cotton spinning other than in mills (charkha)	231	Cotton spinning other than in mills (charkha)		231
234	Production of khadi	232	Weaving and finishing of cotton khadi		232
235	Weaving and finishing of cotton textiles on handlooms other than khadi	233	Weaving and finishing of cotton textiles on handlooms		233
236	Weaving and finishing of cotton textiles on powerlooms	234	Weaving and finishing of cotton textiles on powerlooms		234
239	Cotton textiles n.e.c.			Drop	
240	Wool cleaning, caling and pressing	240	Preparation of raw wool, silk and artificial/synthetic textile fibres for spinning		240
241	Wool spinning, weaving and finishing in mills	242	Wool spinning, weaving and processing in mills		242
242	Wool spinning, weaving (other than in mills)	241	Wool spinning, weaving and finishing other than in mills		241
243	Bleaching and dyeing of wollen textiles	243	Bleaching and dyeing of wollen textiles		243
244	Manufacture of wool n.e.c			Drop	
245	Spinning, weaving and finishing of silk textiles			Agg NIC87 244 + 245 into NIC70 245 (labelled NIC3 245)	245
		244	Spinning, weaving and finishing of silk textiles other than in mills		245

		245	Spinning, weaving and processing of silk textiles in mills		245
246	Bleaching, dyeing and printing of silk textiles	246	Bleaching, dyeing and printing of silk textiles		246
247	Spinning, weaving and finishing of other textiles, synthetic fibres, rayons, nylons, etc	247	Spinning, weaving and processing of man-made textile fibres		247
248	Bleaching, dyeing and printing of synthetic textiles	248	Bleaching, dyeing and printing of artificial/synthetic textile fabrics		248
249	Silk and synthetic fibre textiles n.e.c.			Drop	
250	Jute and mesta pressing and baling	250	Jute and mesta pressing and baling		250
251	Jute and mesta spinning and weaving	254	Spinning, weaving and finishing of jute and mesta textiles		254
252	Bleaching, dyeing and printing of jute textiles	257	Bleaching, dyeing and printing of jute and mesta textiles		257
253	Preparing, spinning, weaving and finishing of hemp and other coarse fibres				259
		251	Preparatory operations (including carding and combing) on jute and mesta fibres	Agg NIC87 251 + 252 + 253 + 256 + 259 into NIC70 253 (labelled NIC3 259)	259
		252	Preparatory operations (including carding and combing) on coir fibres		259
		253	Preparatory operations (including carding and combing) on sannhemp and other vegetable fibres n.e.c.		259
		256	Spinning, weaving and finishing of sannhemp and other vegetable fibre textiles n.e.c.		259
		259	Bleaching, dyeing and printing of other vegetable fibre textiles n.e.c.		259
259	Manufacture of jute bags and other jute textiles n.e.c.			Drop	
260	Knitting mills	260	Manufacture of knitted or crocheted textile products		260
261	Manufacture of all types of threads, cordage, ropes, twines and nets, etc.	261	Manufacture of all types of threads, cordage, ropes, twines and nets, etc.		261
262	Embroidery and making of crepes, laces and fringes	262	Embroidery work, zari work and making of ornamental trimmings		262
263	Weaving carpets, rugs, and other similar textile products			Agg NIC87 263 + 264 into NIC70 263 (labelled NIC3 264)	264
		263	Manufacture of blankets, shawls, carpets, rugs, and other similar textile products		264
		264	Manufacture of floor coverings of jute, mesta sannhemp and other kindred fibres and of coir		264

264	Manufacture of all types of textile garments including wearing apparel	265	Manufacture of all types of textile garments and clothing accessories n.e.c. (except by purely tailoring establishments) from not self-produced material (Note: in principle, the raw material is cut and sewn together in the establishments covered in this group)		265
265	Manufacture of rain coats, hats, etc.	266	Manufacture of rain coats, hats, caps and school bags etc. from waterproof textile fabrics or plastic sheetings		266
266	Manufacture of made-up textile articles (except garments) such as curtains, mosquito nets, etc	267	Manufacture of made-up textile articles; except apparel		267
267	Manufacture of waterproof textiles, such as oil cloth, tarpaulin, etc	268	Manufacture of waterproof textile fabrics		268
268	Manufacture of coir and coir products			Agg NIC87 255 + 258 into NIC70 268 (labelled NIC3 258)	258
		255	Spinning, weaving and finishing of coir textiles		258
		258	Bleaching, dyeing and printing of coir textiles		258
269	Manufacture of textiles/textile products not elsewhere classified like linoleum, padding, wadding, upholstery and filling, etc.	269	Manufacture of textiles/textile products not elsewhere classified like linoleum, padding, wadding, upholstery and filling, etc.		269
270	Manufacture of veneer sheets, plywood and their products	271	Manufacture of veneer sheets, plywood and their products		271
271	Sawing and planing of wood (other than plywood)	270	Sawing and planing of wood (other than plywood)		270
272	Manufacture of wooden and cane boxes, crates, drums, barrels and other containers, baskets and other wares made entirely or mainly of cane, rattan, reed, bamboo and willow	273	Manufacture of wooden and cane boxes, crates, drums, barrels and other containers, baskets and other wares made entirely or mainly of cane, rattan, reed, bamboo, willow, fibres, leaves and grass		273
273	Manufacture of structural wooden goods (including treated timber) such as beams, posts, doors and windows (excluding hewing and rough shaping of poles, bolts and other wood material which is classified under logging)	272	Manufacture of structural wooden goods (including treated timber) such as beams, posts, doors and windows (excluding hewing and rough shaping of poles, bolts and other wood material which is classified under logging)		272
274	Manufacture of wooden industrial goods, such as bobbins, blocks, handles, saddling and similar equipment and fixtures	274	Manufacture of wooden industrial goods n.e.c.		274
275	Manufacture of cork and cork products	275	Manufacture of cork and cork products		275
276	Manufacture of wooden furniture and fixtures	276	Manufacture of wooden furniture and fixtures		276
277	Manufacture of bamboo and cane furniture and fixtures	277	Manufacture of bamboo and cane furniture and fixtures		277

279	Manufacture of wood, bamboo and cane products n.e.c.	279	Manufacture of products of wood, bamboo, cane, reed and grass (including articles made from coconut shells etc.) n.e.c.		279
280	Manufacture of pulp, paper and paper board including manufacture of newsprint	280	Manufacture of pulp, paper and paper board including manufacture of newsprint		280
281	Manufacture of containers and boxes of paper or paper board	281	Manufacture of containers and boxes of paper or paper board		281
282	Manufacture of pulp products not elsewhere classified, such as dolls			Agg NIC70 282 + 283 into an Agg of NIC87 282 + 283 (labelled NIC3 283)	283
283	Manufacture of paper and board articles not elsewhere classified				283
		282	Manufacture of paper and board articles and pulp products not elsewhere classified		283
		283	Manufacture of special purpose paper whether or not printed n.e.c.		283
284	Printing and publishing of newspapers	284	Printing and publishing of newspapers		284
285	Printing and publishing of periodicals, books, journals, directories, atlases, maps, sheet music, etc.	285	Printing and publishing of periodicals, books, journals, directories, atlases, maps, sheet music, schedules & pamphlets, etc.		285
286	Printing of bank notes, currency notes, postage stamps, security passes, etc	286	Printing of bank notes, currency notes, postage stamps, security passes, stamp papers and other similar products		286
287	Engraving, etching, and block-making etc.	287	Engraving, etching, and block-making etc.		287
288	Book binding	288	Book binding on account of others		288
289	Printing and allied activities not elsewhere classified, such as envelope printing, picture postcard printing, embossing, etc	289	Printing and allied activities not elsewhere classified		289
290	Tanning, curing, finishing, embossing and japanning of leather	290	Tanning, curing, finishing, embossing and japanning of leather		290
291	Manufacture of footwear (excluding repair) except of vulcanized or moulded rubber or plastic	291	Manufacture of footwear (excluding repair) except of vulcanized or moulded rubber or plastic		291
292	Manufacture of wearing apparel of leather and substitutes of leather, such as coats, gloves, etc	292	Manufacture of wearing apparel of leather and substitutes of leather		292
293	Manufacture of leather consumer goods, other than apparel and footwear	293	Manufacture of consumer goods of leather and substitutes of leather; other than apparel and footwear (Note: Manufacture of school bags and travelling accessories from waterproof textile fabrics is included in group 266)		293
294	Scrapping, currying, tanning, bleaching and dyeing of fur and other pelts for the trade	294	Scrapping, currying, tanning, bleaching and dyeing of fur and other pelts for the trade		294

295	Manufacture of wearing apparel of fur and pelts	295	Manufacture of wearing apparel of fur and pelts		295
296	Manufacture of fur and skin rugs and other similar articles	296	Manufacture of fur and skin rugs and other similar articles		296
299	Manufacture of leather and fur products n.e.c.	299	Manufacture of leather and fur products n.e.c.		299
300	Tyre and tube industries	310	Tyre and tube industries		310
301	Manufacture of footwear made primarily of vulcanised or moulded rubber	311	Manufacture of footwear made primarily of vulcanised or moulded rubber and plastics		311
302	Manufacture of rubber products not elsewhere classified	312	Manufacture of rubber products not elsewhere classified		312
303	Manufacture of plastic products not elsewhere classified (except house furnishing)	313	Manufacture of plastic products not elsewhere classified		313
304	Petroleum refineries			Agg NIC70 304 + 305 into an Agg of NIC87 314 + 315 + 316 (labelled NIC3 316)	316
305	Manufacture of petroleum products not elsewhere classified				316
		314	Manufacture of refined petroleum products (this group includes production of liquids of gaseous fuels, illuminating oils, lubricating oils or greases or other products obtained from crude petroleum or their fractionation productions. Liquification of natural gas is classified in group 111 and bottling of natural gas or liquified petroleum gas is classified in group 315)		316
		315	Bottling of natural gas or liquified petroleum gas		316
		316	Manufacture of refined petroleum products not elsewhere classified (this group includes manufacture of variety of products extracted/obtained from the products or residues of petroleum refining)		316
		317	Processing of nuclear fuels (this group includes extraction of uranium metals from pitch blends or other uranium bearing ores; Manufacture of alloys or dispersions or mixtures of natural uranium or its compounds; manufacture of enriched uranium and its compounds; plutonium and its compounds; thorium and its compounds; other radioactive elements, isotopes or compounds and non-irradiated fuel elements for use in nuclear reactors. Production of heavy water is classified in group 309)	Drop	

306	Production of coal tar in coke ovens	318	Manufacture of coke oven products (this group includes operation of coke or semi-coke from hard-coal and lignite, retort carbon and residual products such as coal tar or pitch Agglomeration of coke is included. Distillation of coal tar is classified in group 319)		318
307	Manufacture of other coal and coal tar products not elsewhere classified	319	Manufacture of other coal and coal tar products not elsewhere classified		319
310	Manufacture of basic and industrial organic and inorganic chemicals and gases, such as acids, alkalies and their salts, gases like acetylene, oxygen, nitrogen, etc.			Agg NIC70 310 + 316 into an Agg of NIC87 300 + 302 + 306 (labelled NIC3 306)	306
		300	Manufacture of industrial organic and inorganic chemicals (manufacture of chemicals for laboratory and technical uses is classified in class 309.3)		306
311	Manufacture of fertilizers and pesticides	301	Manufacture of fertilizers and pesticides		301
312	Manufacture of paints, varnishes and lacquers	303	Manufacture of paints, varnishes, and related products; artists, colours and ink		303
313	Manufacture of drugs and medicines	304	Manufacture of drugs, medicines and allied products		304
314	Manufacture of perfumes, cosmetics, lotions, hair dressings, toothpastes, soap in any form, detergents, shampoos, shaving products, washing and cleaning preparations and other toilet preparations	305	Manufacture of perfumes, cosmetics, lotions, hair dressings, toothpastes, soap in any form, detergents, shampoos, shaving products, washing and cleaning preparations and other toilet preparations		305
315	Manufacture of inedible oils	309	Manufacture of chemical products not elsewhere classified		309
316	Manufacture of turpentine, synthetic resins, plastic materials and synthetic fibres like nylons, torylen except glass			See above	306
		302	Manufacture of plastics in primary forms; manufacture of synthetic rubber		306
		306	Manufacture of man-made fibres		306
317	Manufacture of matches	307	Manufacture of matches		307
318	Manufacture of explosives; ammunition and fire-works	308	Manufacture of explosives; ammunition and fire-works		308
319	Manufacture of chemical products not elsewhere classified (including photo-chemicals, sensitised films and paper)	309	Manufacture of chemical products not elsewhere classified		309
320	Manufacture of structural clay products	320	Manufacture of refractory products and structural clay products		320
321	Manufacture of glass and glass products	321	Manufacture of glass and glass products		321

322	Manufacture of earthenware and earthen pottery	322	Manufacture of earthen and plaster products		322
323	Manufacture of chinaware and porcelainware	323	Manufacture of non-structural ceramic ware		323
324	Manufacture of cement, lime and plaster	324	Manufacture of cement, lime and plaster		324
325	Manufacture of mica products	325	Manufacture of mica products		325
326	Stone dressing and crushing; manufacture of structural stone goods and stoneware	326	Stone dressing and crushing; manufacture of structural stone goods and stoneware		326
327	Manufacture of earthen and plaster statues and other products	322	Manufacture of earthen and plaster products		322
328	Manufacture of asbestos, cement and other cement products	327	Manufacture of asbestos, cement and other cement products		327
329	Manufacture of miscellaneous non-metallic mineral products such as slate products, abrasives, graphite products, mineral wool, silica products and other non-metallic mineral products not elsewhere classified	329	Manufacture of miscellaneous non-metallic mineral products not elsewhere classified		329
330	Iron and steel industries			Agg NIC70 330 + 331 into an Agg of NIC87 330 + 331 (labelled NIC3 331)	331
331	Foundries for casting and forging iron and steel				331
		330	Manufacture of iron and steel in primary/semi-finished forms		331
		331	Manufacture of semi-finished iron and steel products in re-rolling mills, cold-rolling mills and wire-drawing mills		331
332	Manufacture of ferro-alloys	332	Manufacture of ferro-alloys		332
333	Copper manufacturing	333	Copper manufacturing		333
334	Brass manufacturing	334	Brass manufacturing		334
335	Aluminum manufacturing	335	Aluminum manufacturing		335
336	Zinc manufacturing	336	Zinc manufacturing		336
339	Other non-ferrous metal industries			Agg NIC87 337 + 338 + 339 into NIC70 339 (labelled NIC3 339)	339
		337	Casting of non-ferrous metals		339
		338	Processing/re-rolling of metal scraps other than iron and steel scraps (Note: Re-rolling of iron and steel scraps is included in class 330.2)		339
		339	Other non-ferrous metal industries		339
340	Manufacture of fabricated metal products such as metal cans from tin-plate, terne plate or enamelled sheet metal, metal shipping containers, barrels, drums, kegs, pails, safes, vaults, enamelled sanitary and all other fabricated metal products n.e.c.			Agg NIC87 341 + 344 into NIC70 340 (labelled NIC3 344)	344

		341	Manufacture of fabricated metal products not elsewhere classified		344
		344	Forging, pressing, stamping and roll-forming of metal; powder metallurgy (This group includes production of wide variety of finished or semi-finished metal products, by means of the above activities which, individually, would be characteristically produced in other activity categories)		344
341	Manufacture of structural metal products	340	Manufacture of fabricated structural metal products		340
342	Manufacture of furniture and fixtures primarily of metal	342	Manufacture of furniture and fixtures primarily of metal		342
343	Manufacture of hand tools and general hardware	343	Manufacture of hand tools, weights and measures and general hardware		343
344	Enamelling, japanning, lacquering, galvanising, plating and polishing of metal products	345	Treatment or coating of metals; general mechanical engineering on a sub-contract basis (This group includes plating, polishing, anodising, engraving, printing, hardening, buffing, deburring, sand blasting, welding or other specialised operations on metals on a fee or contract basis. The units classified here, generally, do not take ownership of the goods nor do they sell them to third parties)		345
345	Manufacture of metal cutlery, utensils and kitchenware	346	Manufacture of metal cutlery, utensils and kitchenware		346
347	Manufacture of metal products (except machinery and transport equipment) not elsewhere classified, like type founding	349	Manufacture of metal products (except machinery and equipment) not elsewhere classified		349
350	Manufacture of agricultural machinery and equipment and parts thereof	350	Manufacture of agricultural machinery and equipment and parts thereof		350
351	Manufacture and repair of drills, coal cutting machines, earth moving, lifting and hoisting machinery cranes, conveyors and road rollers and other heavy machinery and equipment used by construction and mining industries	351	Manufacture of machinery and equipment used by construction and mining industries		351
352	Manufacture of prime movers, boilers and steam generating plants such as diesel engines and parts	352	Manufacture of prime movers, boilers, steam generating plants and nuclear reactors		352
353	Manufacture of industrial machinery for food and textile industries	353	Manufacture of industrial machinery for food and textile industries (including bottling and filling machinery)		353
354	Manufacture of industrial machinery for other than food and textile industries	354	Manufacture of industrial machinery for other than food and textile industries		354

355	Manufacture of refrigerators, airconditioners and fire fighting equipment and their parts and accessories	355	Manufacture of refrigerators, airconditioners and fire fighting equipment and their parts and accessories		355
356	Manufacture, alteration and repair of general purpose non-electrical machinery/equipment, their components and accessories, n.e.c.	356	Manufacture of general purpose non-electrical machinery/equipment, their components and accessories, n.e.c.		356
357	Manufacture of machine tools, their parts and accessories.	357	Manufacture of machine tools, their parts and accessories.		357
358	Manufacture of office, computing and accounting machinery and accessories	358	Manufacture of office, computing and accounting machinery and parts (Note: Manufacture of computers and computer based systems including word processors is classified in group 367).		358
359	Manufacture and repair of non-electrical machinery, equipment, components and accessories n.e.c. (such as sewing machines, automatic merchandising machines, washing, laundry, drycleaning and pressing machines, cooking ranges and ovens, other service industry machines, arms and armaments, etc)	359	Manufacture of special purpose machinery/equipment, their components and accessories n.e.c.		359
360	Manufacture of electrical industrial machinery, apparatus and parts thereof (such as electrical motors, generators, transformers, electromagnetic clutches and brakes, etc.)	360	Manufacture of electrical industrial machinery, apparatus and parts thereof		360
361	Manufacture of insulated wires and cables	361	Manufacture of insulated wires and cables, including manufacture of optical fibre cables		361
362	Manufacture of dry and wet batteries	362	Manufacture of accumulators, primary cells and primary batteries		362
363	Manufacture of electrical apparatus, appliances and other parts such as lamps, tubes, sockets, switches, fans, insulators (except porcelain), conductors, irons, heaters, shavers, cleaners, etc. excluding repairing			Agg NIC70 363 + 365 + 369 into an Agg of NIC87 363 + 364 + 369 (labelled NIC3 369)	369
		363	Manufacture of electric lamps		369
		364	Manufacture of electric fans and electric/electro-thermic domestic appliances and parts thereof		369

364	Manufacture of radio and television transmitting and receiving sets including transistor radio sets, sound reproducing and recording equipment including tape recorders, public address systems, gramophone record and pre-recorded magnetic tapes, wire and wireless, telephone and telegraph equipment, signalling and detection equipment and apparatus, radar equipment and installations, parts and supplies specially used for electronic apparatus classified in this group			Agg NIC87 365 + 366 into NIC70 364 (labelled NIC3 366)	366
		365	Manufacture of apparatus for radio broadcasting, television transmission, radar apparatus and radio/line telephony and line telegraphy		366
		366	Manufacture of television receivers; reception apparatus for radio broadcasting, radio telephony/telegraphy, video recording or reproducing apparatus, turn-tables, record-players, cassette-players and other sound reproducing apparatus, sound recording apparatus, microphones, loudspeakers, amplifiers and sound amplifiers and prerecorded audio/video records/tapes.		366
365	Manufacture and repair of radiographic X-ray apparatus and tubes and parts			See above	369
		369	Manufacture of radiographic X-ray apparatus, X-ray tubes and parts and manufacture of electrical equipment n.e.c.	See above	369
366	Manufacture of electronic computers, control instruments and other equipment	367	Manufacture of computers and computer based systems		367
367	Manufacture of electronic components and accessories n.e.c.	368	Manufacture of electronic valves and tubes and other electronic components n.e.c.		368
369	Manufacture of electrical machinery, apparatus, appliances and supplies and parts n.e.c.	369	Manufacture of radiographic X-ray apparatus, X-ray tubes and parts and manufacture of electrical equipment n.e.c.	See above	369
370	Ship building and repairing	370	Ship and boat building		370
371	Manufacture of locomotives and parts	371	Manufacture of locomotives and parts		371
372	Manufacture of railway wagons and coaches and parts	372	Manufacture of railway/tramway wagons and coaches and other railroad equipment n.e.c.	Agg NIC70 372 + 373 into NIC87 372 (labelled NIC3 372)	372
373	Manufacture of other rail road equipment	372	Manufacture of railway/tramway wagons and coaches and other railroad equipment n.e.c.		372

374	Manufacture of motor vehicles and parts			Agg NIC87 373 + 374 into NIC70 374 (labelled NIC3 374)	374
		373	Manufacture of heavy motor vehicles; coach work		374
		374	Manufacture of motor cars and other motor vehicles principally designed for the transport of less than 10 persons (includes manufacture of racing cars and golf-cars etc.)		374
375	Manufacture of motor-cycles and scooters and parts	375	Manufacture of motor-cycles and scooters and parts (including three-wheelers)		375
376	Manufacture of bicycles, cycle-rickshaws and parts.	376	Manufacture of bicycles, cycle-rickshaws and parts.		376
377	Manufacture of aircraft and its parts	377	Manufacture of aircraft, spacecraft and their parts		377
378	Manufacture of bullock-carts, push-carts and hand-carts etc.	378	Manufacture of bullock-carts, push-carts and hand-carts etc.		378
379	Manufacture of transport equipment and parts not elsewhere classified	379	Manufacture of transport equipment and parts not elsewhere classified		379
380	Manufacture of medical, surgical and scientific equipment	380	Manufacture of medical, surgical, scientific and measuring equipment except optical equipment		380
381	Manufacture of photographic and optical goods (excluding photochemicals, sensitised paper and film).	381	Manufacture of photographic, cinematographic and optical goods and equipment (excluding photochemicals, sensitised paper and film).		381
382	Manufacture of watches and clocks	382	Manufacture of watches and clocks		382
383	Manufacture of jewellery and related articles	383	Manufacture of jewellery and related articles		383
384	Minting of currency coins	384	Minting of currency coins		384
385	Manufacture of sports and athletic goods	385	Manufacture of sports and athletic goods		385
386	Manufacture of musical instruments	386	Manufacture of musical instruments (Note: Manufacture of toy musical instruments is classified in group 389)		386
387	Manufacture of stationery articles, like fountain pens, pencils, pens pin cushions, tags, etc. n.e.c.	387	Manufacture of stationery articles n.e.c.		387
		388	Manufacture of items based on solar energy like solar cells, cookers, air and water heating systems and other related items	Drop	
389	Manufacture of miscellaneous products not elsewhere classified such as costume jewellery, costume novelties, feathers, plumes, artificial flowers, brooms, brushes, lamp shades, tobacco pipes, cigarette holders, ivory goods, badges, wigs, and similar articles	389	Manufacture of miscellaneous products not elsewhere classified		389

Table A3: Delicensing, Labor Regulation, Trade Liberalization, FDI Reform and Industrial Performance in India: Alternative Specification

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Log Real Output	Log Real Output	Log Real Output	Log Real Output	Log Real Output	Log Real Output	Log Real Output
Delicense	0.038 (0.044)			0.049 (0.044)			0.064 (0.044)
Labor Regulation	-0.074* (0.040)	-0.132*** (0.044)	-0.360*** (0.084)	-0.191* (0.098)		-0.306*** (0.100)	-0.184* (0.106)
Delicense × Labor Regulation	-0.070*** (0.018)			-0.061*** (0.020)			-0.060*** (0.018)
Log Tariff Rate		-0.003 (0.049)	-0.006 (0.051)	-0.008 (0.050)	-0.015 (0.049)	-0.015 (0.050)	-0.020 (0.050)
Log Tariff Rate × Labor Regulation			0.051*** (0.015)	0.026 (0.016)		0.041** (0.018)	0.025 (0.018)
FDI Reform					0.226*** (0.084)	0.237*** (0.079)	0.242*** (0.078)
FDI Reform × Labor Regulation						-0.038 (0.030)	-0.010 (0.028)
Observations	18324	17783	17783	17783	17783	17783	17783
R-squared	0.89	0.89	0.89	0.89	0.89	0.89	0.89
State-industry interactions	YES	YES	YES	YES	YES	YES	YES
Year fixed effects	YES	YES	YES	YES	YES	YES	YES

Notes: The data set is a balanced panel of three-digit state-industries that are present in the data in all 18 years and includes an average of 64 three-digit industries in the 16 states over the period 1980 to 1997. The difference in the number of observations between column (1) and columns (2)-(7) is due to the fact that there are a small number of three digit industries for which tariff data is unavailable. Robust standard errors adjusted for clustering by state×year delicensed are reported in parentheses. *** denotes statistical significance at the 1% level; ** denotes statistical significance at the 5% level; * denotes statistical significance at the 10% level. Log real output is log real registered manufacturing output. Delicense is a dummy variable which is one if all or part of a three-digit industry is delicensed in a particular year and zero otherwise. Log tariff rate is the log tariff rate applied to a three digit industry. FDI reform is a variable which before 1991 is equal to zero and after 1991 is equal to the fraction of Harmonized System 6-digit products within a three-digit industry opened to automatic approval of foreign direct investment (FDI) for up to 51 percent equity. State amendments to the Industrial Disputes Act are coded 1=pro-worker, 0=neutral, -1=pro-employer and then cumulated over 1947-97 to generate the labor regulation measure. See the Data Appendix for further information on variable definitions and the data sources.