HRM Strategies in Structurally Depressed Industries: The Japanese Approach

Mahesh N. Rajan, San Jose State University
O. K. Gupta

Available at: https://works.bepress.com/mahesh_rajan/7/
HRM Strategies in Structurally Depressed Industries: The Japanese Approach

Mahesh Rajan∗ and Eiji Takeda

a College of Business, San Jose State University, One Washington Square, San Jose, CA 95192-0069, USA
b Management and Marketing Department, College of Business, P.O. Box 638, Prairie View A&M University, Prairie View, TX 77446, USA

Accepted in November 2005
Available online

Abstract

Several adverse macro-economic trends beginning in the early 1970’s drastically reduced the relative competitiveness of various sectors of the Japanese economy. Firms in Western (industrialized) countries that were faced with a similar loss of comparative advantage dealt with the problem by undertaking strategies of restructuring—primarily, retrenchment and downsizing strategies. However, in sharp contrast to the Western approach, the Japanese response to industrial decline, from a HRM standpoint, was a product of the political, cultural, and social institutions/values of that society. The Japanese government, business sector and the labor unions worked together to ‘maintain’ employment levels (albeit, mainly that of permanent employees) in order to minimize the costs of adjustment for the key stakeholder groups in particular, and for the Japanese society as a whole, in general.

Keywords: Corporate Restructuring/Declining industries; HRM strategies; Japanese management

1. Introduction

The spectacular rise of Japan as an economic power since World War II has few parallels in history (Patrick and Rosovsky, 1976; Vogel, 1979; Dore, 1986). That a nation such as Japan, devastated by war and with practically no resources, has been able to achieve a dominant position in the global trading environment within such a short period of time has kindled the curiosity of many scholars and policy-makers worldwide. Various reasons such as favorable geo-political developments and policies, astute and growth-oriented government policies, business-government cooperation, management policies and labor-management relationships, cultural traits, etc. have been identified as reasons for Japan’s success (Yoshino, 1968; Hadley, 1970; Magaziner and Hout, 1980; Ouchi, 1981, 1984; Johnson, 1982; Aoki, 1984; Komiyama, Okuno, and Suzumura, 1988; Johnson, Tyson, and Zysman, 1989; and Okimoto, 1989, Fruin, 1992; Yasutaka and Kobayashi, 2001; Sueyoshi, 2002).

However, macro-economic trends beginning in the early 1970’s (such as the adoption of the flexible exchange rate, the oil shocks, the rise of the yen, global economic slowdown, competition from newly industrializing countries, etc.) marked the beginning of the end of the unprecedented and unparalleled growth that Japan enjoyed in the 1950’s and 1960’s. Specifically, these trends drastically reduced the relative competitiveness of various sectors of the Japanese economy. While the cost structures of basic industries which depended on high levels of energy consumption (such as petrochemicals, aluminum, steel, and cement), increased tremendously, the manufacturing sector was able to absorb the increases in energy prices through energy efficiency enhancing and other cost-cutting measures. However, increases in energy efficiency reduced the demand for basic industries’ materials which in turn suffered from increasingly intense import competition and structural excess capacity (Saxonhouse, 1979).

To combat the problems facing these industries, the Japanese government adopted a program of adjustment assistance in the late 1970’s and early 1980’s. In sharp contrast to the policies of Western industrialized countries and companies in those countries, the Japanese government and the business sector worked together to ‘maintain’ employment levels (albeit, mainly that of permanent employees) in order to minimize the costs of adjustment for the key stakeholder groups in particular, and for the Japanese society as a whole, in general (Rajan, 1994, 1995).

While firms in Western and other industrialized nations undertook strategies of retrenchment and downsizing (Hu, 2001; Hashim and Bakar, 2003), Japanese companies—whose policies of lifetime employment and seniority based HRM systems were widely known and well regarded1 (Ballon, 1969, 1992)—adopted strategies that were distinctively pro-employment. This paper examines

∗Corresponding author’s email: rajan_m@cob.sjsu.edu
in detail the strategies (from a HRM perspective) that Japanese firms in declining industries undertook in conjunction with the Japanese government to ‘maintain’ employment levels.

2. The Legal Framework of the Japanese Government’s Policies

Since most industrialized nations were affected by the slow-down of the global economy in the 1970’s, the Organization of Economic Cooperation and Development’s (OECD) Council of Ministers articulated in June 1978 the principles for guiding policy actions for “positive adjustment”. Realizing that “free market” solutions could be cruel instruments for solving the problems of industrial decline, the Council of Ministers suggested that such “positive adjustment” policies were to be undertaken to improve factor mobility conditions—namely, industry access to capital, profitability of private enterprises, and functioning of labor markets (OECD, 1979).

States could pursue the three following goals through the use of “positive adjustment” policies: (i) assist the emergence of new, growth industries; (ii) ensure that firms remain competitive during periods of product or technological transitions; and (iii) ease the withdrawal of resources, including labor, from declining industries (Keyser, 1990). With regard to assistance to declining industries, the OECD mandated that government action be (i) temporary, (ii) transparent (observable by major trading partners), (iii) linked to the rationalization of obsolete capacity, and (iv) free of protectionist measures against imports (OECD, 1982).

While several ad hoc policies had been adopted in the past that targeted certain sectors of the economy, it was within the above framework suggested by the OECD that the Japanese government formulated comprehensive laws specifically dealing with the problem of industrial decline. Such laws were less sector-specific and more function-oriented than their predecessors.

The Law on Temporary Measures for Stabilization of Specified Depressed Industries (Tokutei Fukyo Sangyo Antei Rinji Sochi Ho) was passed in 1978 wherein 14 industries were identified as structurally depressed. Three other related laws: Law on Temporary Measures for those Unemployed in Specified Depressed Industries, Law on Temporary Measures for those Unemployed in Specified Regions, and Law on Temporary Measures for Small and Medium Enterprises, were also passed to specifically assist employers and workers in specified depressed industries and regions.

Plans for the restructuring of the 14 designated industries in the five year time frame of the above laws were thrown awry by the second oil shock and persistent depressed worldwide demand conditions (Peck, Levin, and Goto, 1987). Hence, in April 1983, the Japanese government passed the Law on Temporary Measures for the Structural Improvement of Specified Industries (Tokutei Fukyo Sangyo Kozo Kaizen Rinji Sochi Ho) wherein 22 industries (including 11 of the 14 industries designated under the first law) were identified as structurally depressed industries.

The three other related laws were also replaced by the Laws on Special Measures Concerning the Stabilization of Employment in Specified Depressed Industries and Specified Depressed Regions, and the Law on Temporary Measures for Dealing with Regions Related to Specified Depressed Industries. Designation of industries and regions was made more flexible under the second law to provide assistance to employers to (i) prevent worker lay-offs, and (ii) retrain workers and reassign them in new jobs within or outside the ‘firm’ (Sekiguchi and Horiuchi, 1988).

Please see Appendix A for further details of the list of the industries and the restructuring plans covered by the laws.

Since a majority of the industries designated as declining industries under the above laws were large-scale, energy-intensive industries, it is not surprising to see that firms from the manufacturing sector constituted the largest group of firms that adopted adjustment policies in 1975, 1987 and 1993 (Table 1). Though not as adversely affected, sales and service firms did also resort to some sort of adjustment measures or schemes to a lesser extent.

<table>
<thead>
<tr>
<th>Table 1. Companies Adopting Employment Adjustment Measures: 1975, 1987 and 1993</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industry</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Manufacturing</td>
</tr>
<tr>
<td>Sales</td>
</tr>
<tr>
<td>Total (%)</td>
</tr>
</tbody>
</table>

Furthermore, with the highest life expectancy on earth (75.9 for males and 81.8 for females), low fertility, and male employees of large corporations, who are mostly male and who are graduates of prestigious universities. Though there is no formal written contract guaranteeing such lifetime employment, the practice is common knowledge and has been in vogue since World War II. On the other hand, the treatment of female workers who are mostly hired on a temporary or part-time basis, and foreign workers by Japanese corporations generally fall short of international standards and conventions. However, this topic is beyond the scope of this paper.

---

1 The lifetime employment policy is applicable only to full-time employees of large corporations, who are mostly male and who are graduates of prestigious universities. Though there is no formal written contract guaranteeing such lifetime employment, the practice is common knowledge and has been in vogue since World War II.
low migration, the Japanese population is aging at a very rapid pace and Japanese firms are beginning to face the realities of a shrinking labor market. People aged 65 and above accounted for only 5 percent of the total population in 1950 but increased to 12 percent by 1990, and are projected to reach 23 percent by 2025.

According to the Ministry of Labor (1993), older workers aged 55 and above constituted 20 percent of the labor force in 1990 and are expected to increase to 27 percent by the year 2010. Hence, the Japanese government has repeatedly directed firms to raise the mandatory retirement age to at least 60 years, if not to 65 years (usually 55 at most establishments). According to the Ministry of Labor (1993), about three-fourths of Japanese firms with 30 or more employees have raised the retirement age to 60, and ninety percent of such establishments have indicated that they will do so by 1997.

Hence, Japanese firms (whose lifetime employment and seniority-based HRM policies are widely renowned) are being increasingly pressured by the government and by demographic trends to keep the older workers (i.e., those above 55) gainfully employed.

3. Corporate Restructuring and HRM Strategies in Japan

Corporate responses to industrial decline/structural excess capacity in the Western industrialized nations have typically included measures such as plant closures, massive lay-offs, elimination of entire levels of management, and adoption of early retirement programs. The governments in such countries either actively encouraged or tolerated such measures by the business community without realizing that they exacerbated the financial strains and health of the welfare state.

In contrast to the reductionary measures of the Western societies, the Japanese approach to the same problem—characterized by its political, cultural, and social institutions/values—is remarkably aimed at ‘maintaining’ existing levels of employment (Odagiri and Hase, 1989). In other words, Japanese companies adopted strategies of incremental employment adjustments which were adequate organizational cost cutting measures and yet, least disruptive from a societal standpoint. Specifically, the various measures employed by Japanese firms to deal with structural excess capacity are as follows (Table 2):

(i) drastic reduction of over-time work
(ii) hiring freeze, especially of new graduates
(iii) worker retraining, reassignment, and dispatching (shukko)
(iv) allowance for ‘extended vacations’

Table 2. Type of Adjustment (Multiple Answers, %)

<table>
<thead>
<tr>
<th>Industry</th>
<th>Manufacturing '75</th>
<th>'87</th>
<th>'93</th>
<th>Sales '75</th>
<th>'87</th>
<th>'93</th>
<th>Service '75</th>
<th>'87</th>
<th>'93</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reduction of Overtime work</td>
<td>54</td>
<td>26</td>
<td>31</td>
<td>16</td>
<td>8</td>
<td>20</td>
<td>Na</td>
<td>5</td>
<td>14</td>
</tr>
<tr>
<td>No hiring</td>
<td>50</td>
<td>12</td>
<td>16</td>
<td>24</td>
<td>4</td>
<td>10</td>
<td>Na</td>
<td>5</td>
<td>9</td>
</tr>
<tr>
<td>Reassignment/Dispatching</td>
<td>23</td>
<td>20</td>
<td>17</td>
<td>6</td>
<td>6</td>
<td>9</td>
<td>Na</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>Dismissal/Temporary / part Time workers</td>
<td>16</td>
<td>6</td>
<td>5</td>
<td>5</td>
<td>1</td>
<td>3</td>
<td>Na</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>Extended Vacation</td>
<td>Na</td>
<td>4</td>
<td>6</td>
<td>Na</td>
<td>1</td>
<td>5</td>
<td>Na</td>
<td>na</td>
<td>5</td>
</tr>
<tr>
<td>Temporary Company/Factor Closure</td>
<td>20</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>Na</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>Voluntary retirement Or dismissal</td>
<td>5</td>
<td>3</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>Na</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

Source: Ministry of Labor (1993)

(v) temporary factory shutdowns

Drastic reduction of overtime work: As seen from Table 2, this measure was one of the most popular means of adjustment adopted by Japanese firms. More than one-half of the manufacturing firms indicated that they had used this measure in 1975 with that number dropping to 26% in 1987 and 31% in 1993. Sales and service firms also adopted this measure, albeit in lesser numbers than manufacturing firms. In a society where employees usually work 30 to 50 hours of overtime work a month, the reduction of overtime work represents an effective tool for managers to cut costs during periods of economic downturn. For example, the New York Times reported an independent labor group’s estimate that savings from overtime reduction were as high as three trillion Yen a year (equivalent to 27 billion US dollars in 1993). However, while overtime reduction meant that employees could spend more time with their families, it also reduced their income substantially and hence, was not welcomed by all.

Hiring freeze, especially of new graduates: One-half of the manufacturing firms and 16% of sales organizations adopted this measure in 1975. However, the numbers of firms resorting to such measures reduced dramatically in 1987 and then increased marginally in 1993 (Table 2). In general, a strategy of no new hiring is nothing more than a straightforward cost cutting strategy. However, in a country like Japan, such a strategy signifies that no one is hired from the pool of new entrants into the labor force for that entire year. In other words, an entire work force cohort group is eliminated within the company. Since such cohort groups are considered as the basic building blocks of the seniority system, a strategy of no new hiring is (was) not
well received by the present employees while at the same
time diminishing the company’s reputation as an ideal
employer among potential employees.

Worker retraining, reassignment, and dispatching
(shukko): Worker retraining and reassignment are not un-
usual for Japanese employees (even blue collar workers)
as Japanese companies are noted for their job rotation and
“generalist” training schemes whereby workers move from
one job to another throughout their careers (Inohara, 1990).
However, in worker dispatching scheme (shukko), an em-
ployee is moved from one company to its subsidiaries (for
example, some workers from Mitsubishi Shipbuilding
were sent to Mitsubishi Automobiles), and affiliates (for
example, though not a member of the Mitsui group, Toy-
ota Automobiles absorbed some of Mitsui Shipbuilding’s
workforce). About a quarter of manufacturing firms and
6% of sales firms used this strategy to deal with redundant
workers in their firms in 1975. Service firms also started
to resort to such practices in 1987 and 1993 (Table 2).

Traditionally, Japanese companies used to employ
shukko to dispatch management personnel who had
reached the retirement age to subsidiaries or affiliates to
maintain a complex horizontal corporate network (Tables
3 and 4).

Table 3. Relationship of Firms Transferring
Employees (Multiple Answers, %)

<table>
<thead>
<tr>
<th>Capital Investment</th>
<th>Same indst. Group</th>
<th>Different indst. group</th>
</tr>
</thead>
<tbody>
<tr>
<td>No capital investment</td>
<td>29.6</td>
<td>24.2</td>
</tr>
<tr>
<td>Receiving firm is larger</td>
<td>9.3</td>
<td>22.3</td>
</tr>
<tr>
<td>Receiving firm is same size</td>
<td>4.8</td>
<td>12.1</td>
</tr>
<tr>
<td>Receiving firm is smaller</td>
<td>57.4</td>
<td>44.9</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Business Relationship</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No business relationship</td>
<td>9.3</td>
<td>10.5</td>
</tr>
<tr>
<td>Receiving firm is a supplier</td>
<td>59.3</td>
<td>19.5</td>
</tr>
<tr>
<td>Receiving firm is a customer</td>
<td>16.7</td>
<td>19.5</td>
</tr>
<tr>
<td>Receiving firm is a sales agent</td>
<td>29.6</td>
<td>46.9</td>
</tr>
</tbody>
</table>

Source: Inohara, 1990

Table 4. Reasons for Loan of Personnel
(Multiple Answers, %)

<table>
<thead>
<tr>
<th></th>
<th>Receiving Related</th>
<th>Company Unrelated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smoothing personnel administration</td>
<td>9.3</td>
<td>6.3</td>
</tr>
<tr>
<td>Improving age structure</td>
<td>7.4</td>
<td>2.0</td>
</tr>
<tr>
<td>Employee education</td>
<td>11.1</td>
<td>18.0</td>
</tr>
<tr>
<td>Managerial and technical education</td>
<td>59.3</td>
<td>45.7</td>
</tr>
<tr>
<td>Manpower redundancy</td>
<td>38.9</td>
<td>32.0</td>
</tr>
<tr>
<td>Security of job for retirees</td>
<td>42.6</td>
<td>14.8</td>
</tr>
<tr>
<td>Other reasons</td>
<td>14.8</td>
<td>17.2</td>
</tr>
</tbody>
</table>

Source: Inohara, 1990

As evident from Table 3, almost 60% of the transfers
within the same industrial group (keiretsu) were to smaller
firms and/or also to suppliers. This lends some credence
to the widespread belief that it is often the smaller or cap-
tive firms in an industrial group that bear the brunt of the
restructuring effects and costs. When transfers took
place between different industrial groups, the majority of
workers who were sent to other companies ended up in
smaller outfits and/or also to sales agents of their original
employers.

Regardless of whether the receiving company was re-
lated or unrelated to the transferring company, the number
one reason cited for “loaning” (transfer) of employees was
managerial and technical education (Table 4). Security
of job for retirees and manpower redundancy were also
commonly cited causes for inter-company transfers of
employees.

Moreover, in a practice known as amakudari (literally
translated as “descending from heaven”), bureaucrats upon
reaching the mandatory retirement age used to take up
positions in large and medium sized firms companies and
thereby reinforce the close links between the government
and the business community.

However, in the context of a declining industry,
shukko was not very popular with the workers or their
families as it placed tremendous strains on them in terms
of retraining and relocation despite being a source of con-
tinued income.

Strategies such as dismissal of temporary and
part-time workers, temporary shutdown of factories, salary
reduction among management personnel, and ‘voluntary’
retirement of older workers were resorted to by firms only
as later options if the previously discussed cost cutting
strategies did not mitigate the financial strains of the
company (Table 2). This stands in stark contrast to
management practices in American companies where
workforce reduction in the form of lay-offs, early retire-
ment, and retrenchment are often the first steps taken
when faced with unfavorable market or demand conditions
(Hoskisson and Johnson, 1992, Hoskisson, Johnson and
Moesel, 1994; Anand and Singh, 1997; Zhao, 2001).

Furthermore, the Japanese government instituted
various schemes under the related laws (passed in 1978
and 1983 – discussed in the previous section) whereby
funds were set aside to assist firms institute retraining and
reassignment schemes for their employees. Workers
from depressed industries and regions were also eligible
for and received government assistance in the form unem-
ployment payments, subsidies, etc.

3. Discussion and Conclusions

In terms of Japan’s response to dealing with problems of
industrial decline, it was within the framework sug-
gested by the OECD that the Japanese government formu-
lated comprehensive laws specifically dealing with the
problem of industrial decline after the two oil shocks. While recognizing the advantages of market mechanisms in high-growth economies, the Japanese government (MITI or MOT) intervened in the restructuring of the structurally depressed industries because industry adjustments during the low-growth economy could take long periods of time, and because social frictions that are caused by adjustments were not necessarily small.

With regards to HRM strategies, the employment adjustment measures undertaken by Japanese firms in conjunction with the Japanese government and the labor unions reveal a complex picture of how Japan dealt with the problem of industrial decline. In sharp contrast to Western industrialized societies where companies adopted restructuring strategies that were predominantly driven by retrenchment and downsizing objectives, the Japanese response was a product of the political, cultural, and social institutions/values of that society—strategies that were aimed at ‘maintaining’ employment levels as well as minimizing the costs of adjustment to key stakeholder groups in particular, and to the Japanese society as a whole, in general.

Such strategies not only kept employment levels high, but also reinforced the traditionally strong ties between the labor force and the company. Finally, the efforts of Japanese managers (and bureaucrats) to retain the older workers was partly due to the rapid aging of the Japanese population and consequently, a shrinking labor force.

References


Appendix


<table>
<thead>
<tr>
<th>Industry</th>
<th>Targeted volume of disposal (000 tons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel making by electric furnace</td>
<td>2,850.0 (14%)</td>
</tr>
<tr>
<td>Aluminum refining</td>
<td>530.0 (32%)</td>
</tr>
<tr>
<td>Synthetic fibers and wool</td>
<td></td>
</tr>
<tr>
<td>Nylon fiber</td>
<td>73.4 (20%)</td>
</tr>
<tr>
<td>Polyacrylonitrile wool</td>
<td>84.9 (17%)</td>
</tr>
<tr>
<td>Polyester fiber</td>
<td>44.9 (13%)</td>
</tr>
<tr>
<td>Polyester wool</td>
<td>78.4 (20%)</td>
</tr>
<tr>
<td>Biscose wool</td>
<td></td>
</tr>
<tr>
<td>Shipbuilding by use of</td>
<td></td>
</tr>
<tr>
<td>A dock to build ships of over 5,000 GT</td>
<td>3,400.0 (35%)</td>
</tr>
<tr>
<td>Chemical fertilizers</td>
<td></td>
</tr>
<tr>
<td>Ammonium</td>
<td>1,190.0 (26%)</td>
</tr>
<tr>
<td>Urea</td>
<td>1,790.0 (45%)</td>
</tr>
<tr>
<td>Phosphoric acid by wet process</td>
<td></td>
</tr>
<tr>
<td>Phosphoric acid by dry process</td>
<td></td>
</tr>
<tr>
<td>Synthetic fertilizer</td>
<td></td>
</tr>
<tr>
<td>Spinning mills</td>
<td></td>
</tr>
<tr>
<td>Cotton spinning</td>
<td>67.1 (56%)</td>
</tr>
<tr>
<td>Combed-wool spinning</td>
<td>18.3 (10%)</td>
</tr>
<tr>
<td>Ferrosilicon</td>
<td>10.2 (21%)</td>
</tr>
<tr>
<td>Paper</td>
<td></td>
</tr>
<tr>
<td>Linerboard</td>
<td>1,150.0 (15%)</td>
</tr>
<tr>
<td>Western-style paper</td>
<td></td>
</tr>
<tr>
<td>Petrochemicals</td>
<td></td>
</tr>
<tr>
<td>Ethylene</td>
<td></td>
</tr>
<tr>
<td>Polyolefine</td>
<td>900.0 (22%)</td>
</tr>
<tr>
<td>Oxidated vinyl resin</td>
<td>490.0 (24%)</td>
</tr>
<tr>
<td>Ethylene oxide</td>
<td>201.0 (27%)</td>
</tr>
<tr>
<td>Oxidated vinyl pipe</td>
<td>116.0 (18%)</td>
</tr>
<tr>
<td>Sugar refining</td>
<td>1,000.0 (15%)</td>
</tr>
</tbody>
</table>


Note: Figures in parentheses are targeted volume of disposition as a percentage of total capacity.

* Includes 530,000 tons to be disposed under Depressed Industries Law.