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I. FY2013 Result Overview and FY2014 Financial Forecast

## 1. FY2013 Industry Demands



Source: Japan Paper Association - Statistics on Paper and Paperboard, Trade Statistics of Ministry of Finance, Japan

* 1: Statics for customs cleared imports of paper, April 2013 - March 2014
* 2: The figure shown in customs cleared imports of sanitary paper includes secondary products (processed goods)
* 3: The figure shown in corrugated containers is volume of sheet production


## 2. Trends of Sales Prices

Prices of Paperboard and Paper


## 3. Trends of Major Raw Materials / Fuels Prices



## . FY2013 Result Overview and FY2014 Financial Forecast

## 4. FY2013 Financial Highlights (consolidated)

|  |  | FY2012 | FY2013 | ( $¥$ billion) <br> Increase/Decrease |
| :---: | :---: | :---: | :---: | :---: |
| Net Sales |  | 1,241.5 | 1,332.5 | 91.0 |
| Operating Income |  | 52.4 | 62.0 | 9.6 |
| Ordinary Income |  | 54.6 | 70.4 | 15.8 |
| Net Income |  | 25.6 | 33.8 | 8.2 |
| Depreciation |  | 72.1 | 73.3 | 1.2 |
| Exchange Rate (¥/US\$) |  | 83.1 | 100.2 | 17.1 |
| Overseas Sales Ratio |  | 16.7\% | 20.3\% | 3.7\% |
| Operating Income of Overseas Companies |  | 8.7 | 19.3 | 10.6 |
| Number of Consolidated Companies | Domestic | 86 | 87 | + 1 |
|  | Overseas | 70 | 71 | + 1 |
|  | Total | 156 | 158 | +2 |

-Energy Business: +2 [Nichinan: biomass energy, Ebetsu: biomass energy (both newly established)],
Oji GS Packaging (Yangon) Co., Ltd. $\mathbf{+ 1}$ [Myanmar: corrugated container business (newly established)], and others.

- 17 Other Equity Method Affiliates (Domestic 11, Overseas 6)


## 5. Sales of Major Products (consolidated)

OJI HOLDINGS

|  | FY2012 |  |  | FY2013 |  |  | Increase/Decrease |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Sales Volume | Unit Price | Sales | Sales Volume | Unit Price | Sales | Sales Volume | Year-to-Year | Unit Price | Sales |
|  | (1,000 t) | ( $\ddagger$ Kg) | ( $¥$ billion) | (1,000 t) | $(¥ / \mathrm{Kg})$ | ( $¥$ billion) | (1,000 t) | (\%) | (¥/Kg) | ( $\ddagger$ billion) |
| Paperboard Total | 2,878 | 66.84 | 192.3 | 2,972 | 63.67 | 189.2 | 94 | 103.3\% | (3.17) | (3.1) |
| Sanitary Paper | 206 | 210.07 | 43.2 | 185 | 227.51 | 42.2 | (20) | 90.2\% | 17.44 | (1.0) |
| Packaging Paper | 281 | 104.02 | 29.2 | 286 | 103.89 | 29.8 | 6 | 102.0\% | (0.14) | 0.5 |
| Printing \& Writing Paper | 2,650 | 108.58 | 287.7 | 2,695 | 106.95 | 288.2 | 45 | 101.7\% | (1.63) | 0.5 |
| Specialty Paper / Others | 161 | 250.00 | 40.2 | 171 | 251.95 | 43.1 | 10 | 106.5\% | 1.95 | 2.9 |
| Paper Total | 3,297 | 121.41 | 400.3 | 3,338 | 120.82 | 403.3 | 41 | 101.2\% | (0.59) | 3.0 |
| Paperboard and Paper Total | 6,175 | 95.98 | 592.6 | 6,310 | 93.90 | 592.5 | 135 | 102.2\% | (2.07) | (0.1) |

* Figures above are the aggregation of domestic consolidated companies, including inter-segment consumption.

* Figures above are the aggregation of domestic consolidated companies, including inter-segment consumption.

| Thermal Paper (million m2) | 3,214 | 17.88 | 57.5 | 3,430 | 19.96 | 68.5 | 217 | $106.7 \%$ | 2.08 | 11.0 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

* Figures above are the aggregation of domestic/overseas consolidated companies, including inter-segment consumption.

| Market Pulp | 1,491 | 47.69 | 71.1 | 1,522 | 60.61 | 92.2 | 30 | $102.0 \%$ | 12.92 | 21.1 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

[^0]
## (FY2012 to FY2013)



## . FY2013 Result Overview and FY2014 Financial Forecast

## 7. FY2013 Sales and Operating Income by Segment

|  | FY2012 |  | FY2013 |  | Increase/Decrease |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Sales | Operating Income | Sales | Operating Income | Sales | Operating Income |
| Household and Industrial Materials | 540.9 | 27.3 | 552.1 | 21.4 | 11.2 | (5.9) |
| Printing and Communications Media | 326.1 | (2.4) | 315.5 | (2.7) | (10.6) | (0.3) |
| Functional Materials | 197.3 | 10.2 | 218.8 | 12.0 | 21.5 | 1.8 |
| Forest Resources and Environmental Marketing | 130.8 | 10.2 | 188.6 | 22.1 | 57.8 | 11.9 |
| Others/Adjustment | 46.4 | 7.1 | 57.5 | 9.2 | 11.1 | 2.1 |
| Total (Consolidated) | 1.241 .5 | 52.4 | 1,332.5 | 62.0 | 91.0 | 9.6 |

[^1]
## I. FY2013 Result Overview and FY2014 Financial Forecast

8. FY2014 Financial Forecast

|  | FY2013 | FY2014E | (¥billion) <br> Increase/Decrease |
| :--- | ---: | ---: | ---: |
| Net Sales | $1,332.5$ | $\mathbf{1 , 3 6 0 . 0}$ | 27.5 |
| Operating Income | 62.0 | $\mathbf{7 0 . 0}$ | 8.0 |
| Ordinary Income | 70.4 | $\mathbf{6 0 . 0}$ | $(10.4)$ |
| Net Income | 33.8 | $\mathbf{2 8 . 0}$ | $(5.8)$ |
|  | 73.3 |  | $(3.5)$ |
| Depreciation | 100.2 | $\mathbf{6 9 . 8}$ | 1.8 |
| Exchange rate (¥/US\$) |  | 102.0 |  |
|  | $\mathbf{2 0 . 3 \%}$ | $\mathbf{2 1 . 0 \%}$ | $\mathbf{0 . 7 \%}$ |
| Overseas Sales Ratio | $\mathbf{1 9 . 3}$ | $\mathbf{1 7 . 7}$ | $\mathbf{( 1 . 6 )}$ |
|  |  |  |  |
| Operating Income of <br> Overseas Companies |  |  |  |

## Assumptions for FY 2014 Financial Forecast

| Raw Materials/ <br> Fuels Prices | Woodchip: <br> Recovered paper: <br> Coal: | based on current contract price to remain static at current level based on current contract | Effects of Fluctuation (per annum) | Exchange rate impact: | approximately $¥ 0.5$ billion with a fluctuation of $¥ 1 /$ US $\$$ (strong $¥+$ ) <br> (exchange rate may change for export/import, overseas companies, etc.) <br> approximately $¥ 0.2$ billion with a fluctuation of 0.01 BRL/US\$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Price of Recovered paper: | approximately $¥ 4.0$ billion with a fluctuation of $¥ 1 / \mathrm{kg}$ |
|  |  |  |  | Price of Dubai crude oil: | approximately $¥ 0.3$ billion with a fluctuation of $\$ 1 / \mathrm{bl}$ (heavy fuel oil, naphtha, bunker, purchasing electricity/gas, etc.) |
|  |  |  |  | Price of Pulp: | approximately $¥ 1.1$ billion with a fluctuation of $\$ 10 / \mathrm{t}$ (high price + ) |

[^2](FY2013 to FY2014)


## 10. FY2014 Sales and Operating Income by Segment

|  | FY2013 |  | FY2014E |  | Increase/Decrease |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Sales | Operating Income | Sales | Operating Income | Sales | Operating Income |
| Household and Industrial Materials | 552.1 | 21.4 | 569.2 | 27.7 | 17.1 | 6.3 |
| Printing and Communications Media | 315.5 | (2.7) | 319.2 | 4.8 | (impact of <br> segment change: <br> $5.0)$3.7 | 7.5 |
| Functional Materials | 218.8 | 12.0 | 230.9 | 12.8 | $\underset{\substack{\text { (impact of } \\ \text { segment change: } \\ 7.8)}}{ } 12.1$ | 0.8 |
| Forest Resources and Environmental Marketing | 188.6 | 22.1 | 209.5 | 15.4 | $\begin{array}{lr}  & 20.9 \\ \begin{array}{l} \text { (impact of } \\ \text { segment change: } \end{array} & 18.3 \text { ) } \end{array}$ | (6.7) |
| Others/ Adjustments | 57.5 | 9.2 | 31.2 | 9.3 | $\begin{aligned} & \text { (impact of } \\ & \text { segment change: (31.1)) } \end{aligned}$ | 0.1 |
| Total (Consolidated) | 1,332.5 | 62.0 | 1360.0 | 70.0 | 27.5 | 8.0 |

* "Sales" include inter-segment sales
* With the change of structure in 2014, the figures for FY2014 are based on the new structure.


## II. Group Management Philosophy / Strategies

## II. Group Management Philosophy / Strategies

1. Group Management Philosophy
"No longer just a Paper Manufacturing Company"

New Management Philosophy


## Beyond the Boundaries

Harmony with Nature and Society



Consolidated Net Sales Breakdown

## Deepening of the Core Businesses

Prompt offerings of new added-valuesHigh quality and reliabilityRestructure of existing businessesThorough cost reductionsO Development of New Businesses / Products
Discovery of Next Core Businesses
$\diamond$ Entry into new business fields, in which existing assets and know-hows can be utilized
$\diamond$ Expansion of future-oriented investment for development of new materials

O Further Expansion of Overseas Businesses


Regions of Priority: South-East Asia, South America, Oceania Fields of Priority: Packaging, Functional materials, Forest resources and environmental marketing, Disposable diapers

To drive the Group management strategies forward by enhancing 4 priority functions


Aim to be "an Innovative Value-Creating Company"

## III. Major Policies for Growth Strategies

Earning High Trust from Customers
$\diamond$ Enhancement of marketing capabilities
[Establishing in June 2014

Integrated marketing department of raw materials and their converting

O Maximize our Group's strength of having both raw materials and its converting departments (Development of growing fields by unearthing people's latent needs throughout the process, from "raw materials" to "their converting")
O Creation of new demands through enhancement of development capability of high-value-added corrugated containers, etc.

Enhancement of product development capabilities
[Establishing in June 2014 Laboratories of Packaging
Techniques (tentative name) $\quad$ O Strengthen development capability of packaging structure and design

Strengthening Proposal-type BusinessIncrease Oji Group's Presence / Brand-value in Markets

Reconstruction of Production / Sales Systems
$\diamond$ Promotion of S\&B / M\&A in Corrugated Containers Business

- Sharpening competitiveness in productivity / product quality
- Expansion of the integrated system
- Construction of Group's optimum sales system

Enhancement of Bag Making / Folding Box Businesses
Unification of sales strategies through reorganization within the Group
$\rightarrow$ Consolidation of raw material department $\rightarrow$ Enhancement / expansion of bag making / folding box businessesFurther promotion of the "integrated business model from raw materials to converting process" $\rightarrow$ Aim to be the No. 1 Integrated Packaging Manufacturer

## Disposable Diapers Business

O Further Enhancement of Marketing / Product Development / Sales DepartmentsContinuous release of redesigned products / new models
Implementation of independent strategies for each product type (tape-type/pants-type, child/adult)


Personal Care Innovation Center (PCIC) (Established in Oct. 2013)

- Restructuring of disposable diapers business by integrating marketing and product development
- Regarding overseas expansion, PCIC supports market development through cooperation with business locations around the world
$>$ Installation of new testing facility for new product development


## Household Products Business

Manufacturing High Value-Added ProductsEco-friendly products
Expansion of $\mathrm{FSC}_{\text {тм }}$ Certified product range to kitchen towels, in addition to tissues / toilet rolls

## High-quality products

Ceaseless quality improvements,
Development of high quality products demanded by the market

Establishing the Brand Known for its High-quality/High-class Products

- [FSC Certified Products ] $\qquad$ - (High-quality Products)


## 1. Deepening of the Core Businesses (2) Functional Materials -1-

Continuous Development / Prompt Offering to Market of High Value-Added Products
Integration of R\&D, Manufacturing and Sales
to Enhance Proposal-Making Capability / to Sharpen Competitiveness


Prompt/Precise Grasp of Customers' Needs
Direct information gathering from customers due to the reorganization of sales systems


Prompt Development of High-Value-Added Products
Transfer of development functions to laboratories established in manufacturing sites

- Advanced Film Research Center (Oji F-Tex, Shiga Mill)
- Laboratories of Innovation in Adhesive Materials (New Tac Kasei, Yamamoto Plant)


Major Fields of Development
highly functional films, optical members, composite material sheets, decorative films, medical materials

> Drastic Change in Mindset towards Product Development Acceleration of Moving Away from Conventional Paper Business

## 1. Deepening of the Core Businesses (2) Functional Materials -2-

## Expansion of Businesses in Growing Fields



Touch Panel Members
(Optical Clear Adhesive, Anti-Scattering Film)


Completion in
FY2014 (Expansion of Production Capability /) FY2014

Sharpening of Competitiveness Installation of UV Adhesive Coater (New Tac Kasei Toyonaka Plant)

In Future...


Further expansion of capability and sharpening of competitiveness
Aggressive promotion of new product development in other fields

Transparent organic conductive materials, 3D surface decorated molding, medical materials, etc.

## Pulp Business

## Enhancement of Domestic Pulp Business

Promote adding higher value and diversifying usage of pulp products.
$\diamond$ Dissolving Pulp (DP) Manufacturing Facility
Production capacity: $90,000 \mathrm{t} / \mathrm{yr}$ (Oji Paper, Yonago Mill)

Started Operation
in May 2014
Started shipments for rayon materials


Promoting increase of added-value of / establishing qualities for products used for special purposes including food additives, medicine ingredients, etc. Releasing to market in FY2015

Expansion of Overseas Pulp Business

PAN PAC
Napier, New Zealand

## CENIBRA

Minas Gerais State, Brazil

Jiangsu Oji Paper Nantong City, China

BC-TMP Production capacity: 0.2 million $\mathrm{t} / \mathrm{yr}$ (sales to external customers)

Eucalyptus Pulp Production capacity: 1.2 million $\mathrm{t} / \mathrm{yr}$ (hardwood)

Hardwood Pulp Production capacity: 0.24 million $\mathrm{t} / \mathrm{yr}$ (sales to external customers)


O Group's Pulp Supply Capacity (including domestic mill's sales of pulp to external customers)

Expansion of Business Mainly in Strategic Regions

## III. Major Policies for the Growth Strategies

1. Deepening of the Core Businesses (3) Forest Resources and Environmental Marketing -2-

## Energy Business Expansion of energy business centered around various renewable energies

 by actively using existing assets and know-hows

Entry into Electric Power Retailing


Wide variety of fuels including biomass fuel Estimated scale: $100,000 \mathrm{~kW}$
Retailing for
general househol

Considering entry into retailing for general household with partners

| Projects in Progress |  |
| :---: | :---: |
| Biomass Energy |  |
| Oji Green Energy Nichinan Oji | reen Energy Ebetsu |
| (located inside Nichinan Mill) (loc | d inside Ebetsu Mill) |
| Generation scale: $25,000 \mathrm{~kW} \quad \mathrm{Ge}$ | ation scale : $25,000 \mathrm{~kW}$ |
| Oji Materia, Fuji Mill | Total generation scale: |
| Generation scale : $36,000 \mathrm{~kW}$ | $86,000 \mathrm{~kW}$ |
| $\checkmark$ Hydroelectric Energy (Repair work/Efficiency improvement) |  |
| Shiribetsugawa Power Plant, 3 others | Total generation scale: (increased by) $\mathbf{3 , 0 0 0} \mathbf{k W}$ |
| Higashibara Power Plant, 2 others |  |
| Solar Energy <br> Oji Green Energy Shiranuka, 3 others | Total generation scale: $4,000 \mathrm{~kW}$ |

## Sales Target

FY2013 Results
0.5 billion $\mathrm{kWh} / \mathrm{yr}$


2 billion $\mathrm{kWh} / \mathrm{yr}$

1. Deepening of the Core Businesses (4) Printing and Communications Media -1-



## Response to Changes in Demand Structure

- Shrinking demand caused by advance of Information and Communication Technology and reduction in companies' advertising expenditures
- Increasing imported paper (especially printing paper)

Preceding restructuring of production system from a mid-term perspectives
to manufacture
specialty paper
Decrease in annual production by over 1 million tons
$\diamond$ Continuous prompt reaction to demand trends to restructure the production system appropriately

## Emphasis on Cash-flows

- Thorough Cost Reductions


## O Nantong Project

$\diamond$ Discharge
Facility
$\diamond$ KP Facility
(construction completed)

- Nantong City has constructed/established "reclaimed water reuse system" (as replacement for sea discharge pipeline used for wastewater from KP)
- Government approval/license accompanying change in discharge method is acquired
- Early June

Start of trial operation

- By the end of 2014 Start of commercial operation
$\diamond$ Production Volume after start of operation of the KP Facility

| LBKP | 0.5 million $\mathrm{t} / \mathrm{yr}$ | (sales to external customers: 0.24 million $\mathrm{t} / \mathrm{yr}$ ) |
| :---: | :--- | :--- |
| Paper <br> Products | 0.4 million $\mathrm{t} / \mathrm{yr}$ | product line-up will be flexibly considered, taking market <br> trends into account |

Net Investment Amount: $¥ 140$ billion


Layout of Reclaimed Water Reuse System


## 2. Development of New Fields of Business

## (1) Research \& Development

Enhancement of Research \& Development Function

## O Active investment of management resources

Priority allocation of strategic costs
for development of new business fields

Human resources including those from other companies/organizations


Acceleration of development/commercialization of new materials/products

Continuous Future-oriented Development \& Challenges in Manufacturing as the cores to realization of an "Innovative Value-Creating Company"
Techniques/know-how from other companies/organizationsThorough improvement of development efficiency

Enabling the following by co-operation with...


*1 Established in Jan. 2014 (see page 17)
"Laboratories of Innovation in Adhesive Materials", "Advanced Film Research Center"
*2 Established in Sep. 2013 "Medical Plant Section" Developing own cultivation technology/seeding in Shimokawa-cho, Hokkaido

## 2. Development of New Fields of Business

## Entry into Agribusiness

Establishment of vegetable farm using heat supplies

- Efficient cultivation enabled by utilization of heat supply and CO2 of mills
- Consideration of commercialization in Tomakomai and other areas,
which is well-equipped with infrastructures including electric powers, heat supply, land, etc.


Idle Land around Tomakomai MillPatent business involving breeding/raising seedling techniquesEngineering business involving cultivation facilitiesPromotion of Business in Japan and Overseas
-(Existing Vegetable Farms)
Efficient cultivation of high-quality vegetables through hydroponic farming using air dome-type greenhouse

## March 2014 <br> Start of vegetables shipments/sales

Cultivars: green leaves, white celery, etc

Promotion of agribusiness expansion by accumulating know-hows on vegetable cultivation / agricultural products sales


## III. Major Policies for the Growth Strategies

## 3. Further Expansion of Overseas Businesses (1)Packaging Business

Expansion of Business in Southeast Asia and India


## Future Business Expansion

$\diamond$ Gradual business expansion to India and Myanmar from the newly constructed mills
$\diamond$ Prompt business development in countries not yet to be entered into such as Indonesia and Philippines
(Target Market Shares ) Corrugated Containers Business

Malaysia: 30\%
Cambodia: 50\% Others: $10 \%$

## 3. Further Expansion of Overseas Businesses

Starting disposable diaper manufacturing/sales in Indonesia, via joint venture


O Prompt entry into markets, by leveraging our local partner's strong distribution network

O Pursuit of synergy effects with Indofood

Market Size of Child Disposable Diapers in Asian Countries (Forecast)

| (100 Million US§) | 2013 | 2018 | Annual <br> Growth Rates |
| :--- | ---: | ---: | ---: |
| Japan | 17.7 | 16.4 | $(2 \%)$ |
| China | 56.5 | 116.1 | $16 \%$ |
| Korea | 9 | 11.2 | $4 \%$ |
| Indonesia | 5.2 | 13.9 | $22 \%$ |
| India | 1.7 | 3.7 | $17 \%$ |
| Thailand | 3.6 | 6 | $11 \%$ |
| Malaysia | 1.5 | 1.9 | $5 \%$ |

Source: Euromonitor

Future Development of Disposable Diaper Business
Quick business development in regions/countries with expected demand growth, including Asia and South America
Assumed
Countries : ASEAN countries, Brazil, etc. companies

Forecasts for FY2016

| Sales target: | Expansion into: | Overseas sales ratio: |
| :---: | :---: | :---: |
| $¥ 14$ Billion | 5 countries | over $50 \%$ |



## 3. Further Expansion of Overseas Businesses (3) Functional Materials Business



## - Specialty Paper Business in China

Sunshine Oji (Shouguang) Specialty Paper Ltd.
(Joint venture with Century Sunshine Paper / Investment ratio: Oji F-Tex 40\%) Line-up: decorative paper and others Production capacity: 40,000t/yr Started operation in Nov. 2013

Pursuit of synergy effects, making use of local distribution networks

Currently seeking plans to go on next-stage


## III. Major Policies for the Growth Strategies

## 3. Further Expansion of Overseas Businesses (4) Comprehensive Forest Products Business, 1 holongs

Expansion of Overseas' Lumber Processing Businesses

Sales for Overseas
Comprehensive Forest $\quad ¥ 12$ billion $\quad \square \mathbf{~} \quad 17$ billion

Strengthening of Existing Lumber/Lumber Processing Businesses
$\diamond \mathrm{KTH}$ (Indonesia)
(Oji Holdings' investment ratio: 34.34\%) Gradual operation of various lumber processing plants, following veneer/chip plants

Lumber Plant (Started operation in Feb. 2014) Production capacity: $10,000 \mathrm{~m} 3 / \mathrm{yr}$

Pellet Plant (Starting operation in Aug. 2014)
Production capacity: $100,000 \mathrm{t} / \mathrm{yr}$

## PAN PAC (New Zealand)

Enhancing supply capacity of higher-quality / higher value-added lumber products
$\begin{array}{cl}\text { Facility for TMT Production } & \begin{array}{l}\text { (Started commercial } \\ \text { manufacturing in }\end{array} \\ \text { (TMT: Thermally Modified Timber) } & \text { Apr. 2014) }\end{array}$
Production capacity: $9,000 \mathrm{~m} 3 / \mathrm{yr}$


- New Lumber Businesses in Asia
$\diamond$ Plywood business in Vietnam
Establishment of an eucalyptus plywood plant in Northern Vietnam, jointly with Vinafor, the state-owned forestry corporation

Supply plywood with strong cost competitiveness to Japan and overseas
Production capacity: $28,000 \mathrm{~m} 3 / \mathrm{yr} \quad$ Starting operation in Dec. 2014
$\diamond$ Lumber business in Laos
1st Stage Introduction of a lumber testing facility (Production capacity: 9,000 3 3/yr)
Jul. 2014 Starting lumber production
Dec. 2014 Starting dried wood production

## 2nd Stage

Consideration of scale expansion together with the start of full-scale eucalyptus logging in 2015

Rubber wood lumber business in Myanmar
Entry into Rubber wood lumber's export business, which utilizes aged wood
(joint venture with local companies)

1st Stage Production of lamina of laminated lumber *
(Production capacity: $6,000 \mathrm{~m} / \mathrm{yr}$ )


2nd Stage Doubling the production capacity of lamina of laminated lumber Further improvement of added-values
$\rightarrow$ Expansion of business into downstream
ex. Production of laminated lumbers

## 3. Further Expansion of Overseas Businesses (5)Acquisition of CHHPP -1-

Acquisition of Carter Holt Harvey Limited's Pulp, Paper and Packaging Businesses in the Oceania region


```
Oji Group's Strategies
    for Pulp Business

Full product line-up of softwood and hardwood pulp Extension of product line-up with addition of CHHPP's softwood pulp

Expansion of business mainly in regions with strong demands



Source: RISI


\section*{III. Major Policies for the Growth Strategies}

\section*{3. Further Expansion of Overseas Businesses (5) Acquisition of CHHPP -3-}

\section*{Paperboard and Packaging Business in Southeast Asia and Oceania}


\section*{[CHHPP's Paperboard Business \\ Containerboard Mills : 2 mills}\(60 \%\) of the containerboard production volume is consumed within the Oceania region. Approximately \(40 \%\) is exported to Asia where demand is strong


Source: RISI


\footnotetext{
Scale of CHHPP's Sales Revenue (Paperboard \& Packaging business)
}


Overseas Packaging Business
Sales Revenue Target
\(¥ 160\) billion

\section*{IV. Group Financial Strategies}

\section*{Fundamental \\ Financial Strategy:}

Thorough Cash-Flow Management

\section*{Selection and Concentration}Improving investment efficiency through rigid use of investment criterion
Withdrawal from inefficient businesses \(\quad\) Sale of inefficient assets
Clarification of the criteria \(\Rightarrow\) ex. a business with a negative cash-flow for 3 years

\section*{Systematic Business Restructuring}
\(\diamond\) Thorough cash-flow management in shrinking sectors including Printing and Communications Media sector
\(\diamond\) Gradual implementation of future-oriented restructure of existing paths

Continuous Cost Reductions

Cost reduction in manufacturing process,
drastic streamlining of indirect departments through operational reforms

Accumulated Total of FY2014-FY2016 Financial Plan


Interest-bearing Debts
Target Balance at the end of FY2016
```

IV. Group Financial Strategies

```

\section*{1. Group Financial Strategies}

V. Environmental Management

\section*{Limitless Challenge towards Zero-Environmental Burden}
- Further promotion of raising environmental consciousness
- Bringing together of technology/operation/planning capabilities
\(\rightarrow\) Aim for zero-environmental burden in each and every operational procedure

\section*{Action Program}

\section*{1. Zero Emission}

Zero Environmental Accident
Zero Product Liability Accident

\section*{Zero Emission}
\(\diamond\) Recycling of waste materials
\(\diamond\) Purification/reuse of discharged water
\(\diamond\) Purification of exhaust gases
(SOx, NOx, smoke dust, odor)
\(\diamond\) Reduction of green-house gases
( \(25 \%\) reduction compared to 1990 by 2020)

\section*{2. Recycling Forest/Paper}

\section*{Recycling forest}
\(\diamond\) Acquisition of forest certification: \(100 \%\)

\section*{Recycling Paper}
\(\diamond\) Promotion of paper collection and expansion of paper recycling

\section*{Responsible Raw Materials Procurement}

Oji Group's products are manufactured in compliance with safety and legal guidance based on the "Oji Group Partnership Procurement Policy"

\section*{1. Pulp/Wood Raw Materials}

OLegality and consideration for environment/society are confirmed through traceability reporting (published on website after the third party's audit)
\(\diamond\) Confirmation checks:
1. Source/supply chain of wood raw materials
2. Forest management method and acquisition status of forest certifications
3. No inclusion of illegally logged wood
4. No inclusion of genetically modified wood
5. No logging in mountain forests recognized as forests with conservation values
6. Consideration for environment, society, human rights and labor

OBeing liable for compliance with voluntary standards of industry groups, as well as laws/regulations on product safety
\(\diamond\) Management checks:
1. Quality management
(by the established procedure for product shipments)
2. Safety of raw materials (ex. MSDS)
3. Safety of products for food application
(by voluntary standards of industry groups)
4. Prompt / precise response to customers' inquiries
```

V. Environmental Management
2. Significant Challenge for Japanese Society
"Revival of Forest Industry / Regeneration of Forest"

```

\section*{Japan is a Heavily Forested Country}

Forest Land 25 million ha ( \(2 / 3\) of national land) Accumulation 4.9 billion m 3 ( \(20 \%\) increase in 10 years)

\section*{Logging Phase of Post-war Planted Trees Has Come}
\begin{tabular}{c} 
Ratio of artificial forest of age over 50: 35\% \(\quad\)\begin{tabular}{l} 
If remain unmanaged, \\
it would increase to \(66 \%\) in 10 years
\end{tabular}\(\left[\begin{array}{c}\text { Unmanaged Forest may cause... } \\
\text { Devastated forest } \\
\text { - does not have its roots fastened deeply } \\
\text { - does not have vegetation on its forest floor }\end{array}\right.\) \\
\hline Sediment Disasters \\
\hline Decline in a Water Source Function \\
\hline
\end{tabular}

\footnotetext{
[ Regeneration of Forest
Maintenance of healthy forests requires continuous management
(Appropriate Management) Maintenance such as
}
\[
\begin{array}{c|c}
\hline \text { Reiuvenation of Forest ] } \\
\begin{array}{c}
\text { tree } \\
\text { trimming }
\end{array} & \text { /reforestation } \\
\text { Ise } \quad \begin{array}{l}
\text { Revival of Forest Industry } \\
\text { Lumber Production as an Industry }
\end{array} \\
\hline
\end{array}
\]

\section*{Governmental \\ Target}

Self-sufficiency ratio of domestic lumber to reach \(50 \%\) by 2020
(2002: 18\%, 2013: 28\%)

\section*{V. Environmental Management}

\section*{3. Oji Group's Challenge to Making Forestry a Growing Industry}

\section*{Active Promotion of Lumber Business}
- With our company-owned forest as a core, persuade neighboring landowners (public/private) for joint management of their lands \(\rightarrow\) Business scale enlargement / cost reduction
- Actively implement forest regeneration, including logging, reforestation, etc.
- Promote forest improvement through use of unused lumber for biomass power generation
- Expand sales channel through export as well as domestic sales


\section*{Contribution to Making Forestry a Growing Industry}

Oji Group's Transaction Volume of Domestic Log

(Sales scale: \(¥ 9\) billion)

\section*{4. Sustainable Utilization of Forest Resources}

\section*{[Forest Recycling Seek Protection of Forest Functions / Utilization of Forest Resources by Promoting Sustainable Forest Management}

\section*{Sustainable Forest Management}

Continuous production of lumber / exertion of various environmental functions
by repeating the cycle below

- Functions of Forest \(\qquad\)

\title{
\(\diamond\) Oji Group's Forest Area \\ (as of end of FY2013)
}
- Supply of lumber resources

Double the
0.47 million ha

Area of Tokyo
- Environmental functions
(Japan 0.19 million ha, Overseas 0.28 million ha)

To recognize and promote the acquisition of Forest Certification as a system supporting "Sustainable Forest Management"

\section*{Forest \\ Certification}

Company-owned Forest
in Japan

\section*{Overseas \\ Plantation}

A system in which an independent third party evaluates/certificates that a forest is managed appropriately according to a set of guidelines for sustainable forest management

Completion of SGEC Acquisition for all forests (excluding profit sharing forest)

Acquisition of forest certification including \(\mathrm{FSC}_{\text {тм }}\), PEFC, etc. for 0.21 million ha of overseas plantations. Aiming to enlarge the coverage to all the plantations.
* SGEC (Sustainable Green Ecosystem Council)
* FSC тм (Forest Stewardship Council тм)
(Ex. Lao's LPFL Co., Ltd. License code: FSC-C117723)
* PEFC (Programme for the Endorsement of Forest Certification Schemes)

\section*{V. Environmental Management}

\section*{5. Eco-Friendly Products}

\section*{Expansion of Eco-Friendly Products}
\(\diamond\) Development of eco-friendly products \(\rightarrow\) prompt increase of product lineup
Sales of \(\mathrm{FSC}_{\text {тм }}\) certified products in various fields including lumber, pulp, paper products

FSC Certified Products


Pan Pac (lumber)
(License code: FSC-C017103)

Oji Paper (printing paper)
(License code: FSC-C014119)



ESC
www.fsc.org
FSC" C014119

Oji Nepia
(License code: FSC-C018118)


CENIBRA (pulp)
(License code: FSC-C008495)


The mark of
responsible forestry


Oji Timely
(License code: FSC-C109587)


\section*{V. Environmental Management}

\section*{6. Corporate Social Responsibility (CSR) Activities}

\section*{CSR Activities}

Conservation of Biodiversity
Implementation of various activities in Japan and overseas


\section*{Cultural Activity / Education}

Communicate functions of trees in natural environment including conservation of soil/water quality

\section*{Japan}
"Oji Forest Nature School" (nature experience-based environmental education program)


Oji Forest Nature School

\section*{Overseas}

Pan Pac "Environmental Conservation Week" Project Continually operating jointly with New Zealand's Environment Ministry and the local Chamber of Commerce

Reference Materials





\footnotetext{
*The figures for domestic/overseas employees include temporary employees (annual average)
}

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[^0]:    * Figures above are the aggregation of domestic/overseas consolidated companies, including inter-segment consumption. Cenibra's FY2012 1Q results is also included.

[^1]:    * "Sales" include inter-segment sales

[^2]:    * The above forecasts are based on the forecasts made at the time of publication. As such, actual results may differ from these forecasts due to various unforeseen causes.

