Solution Partner

1Q 2018 Business Results & Outlook

June, 2018



The business results for the first quarter of 2018 currently under audit review are presented here for investors' convenience. Hence, please be advised that some of their contents may be altered in the course of audit.

The business results are subject to the K-IFRS(Korea International Financial Reporting Standards).

Forecasts and projections contained in this material are based on current business environments and management's strategies, and <u>they may</u> <u>differ from the actual results upon changes and unaccounted variables.</u>



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(Unit: KRW bn)

Classification	1Q <i>'</i> 17	4Q '17	1Q '18	YoY	QoQ
Sales	6,487	6,432	6,554	1.0%	1.9%
Operating Profit	797	615	651	10.20/	E 90/
(%)	(12.3)	(9.6)	(9.9)	-18.3%	5.8%
EBITDA	1,151	972	1,006	-12.6%	3.5%
(%)	(17.8)	(15.1)	(15.3)	-12.076	5.570
Pre-tax Income	698	434	653	-6.5%	50.6%
(%)	(10.8)	(6.7)	(10.0)	-0.576	50.078
Net Income	548	338	553	0.8%	63.5%
(%)	(8.4)	(5.3)	(8.4)	0.070	03.370



Financial Position

'17 1Q'18 Classification Change (End) (End) 25,041 26,416 5.5% Asset Cash and 2,779 3,132 12.7% equivalents 8,703 9,905 13.8% Liabilities 3,045 4,236 39.1% Borrowings Shareholder's 16,339 16,510 1.1% Equity Liabilities/ 53.3 60.0 6.7%p Equity

(Unit: KRW bn)

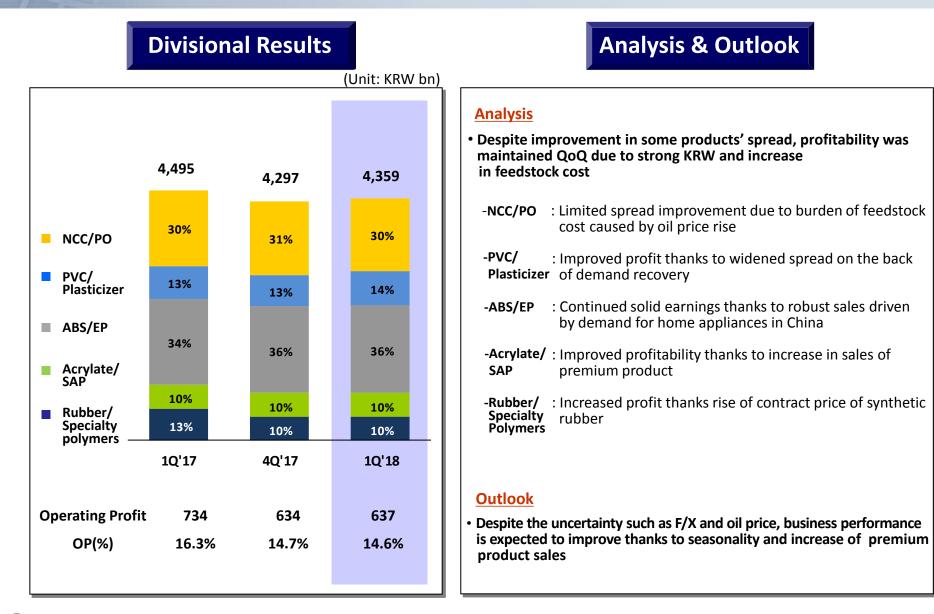
Financial Ratios

Classification	'17 (End)	1Q'18 (End)	Change
Borrowings / Equity (%)	18.6	25.7	7.1%p
Net borrowings/ Equity (%)	1.6	6.7	5.1%p
Interest Coverage Ratio (x)	29.3	25.4	-3.9
ROE (%)	13.3	13.5	0.2%p
ROA (%)	8.9	8.6	-0.3%p

※ ROE: Annualized net profit / Avg. begin & end shareholders equity ROA: Annualized net profit / Avg. begin & end asset

Divisional Results & Outlook

Basic Materials & Chemicals



	Division	nal Result	S	Analysis & Outlook
			(Unit: KRW b	n)
				Analysis • Energy : Despite decrease of ESS / small size battery shipment Solutions due to seasonality, EV battery sales increased with strong market demand for EV
Energy Solutions	999	1,253	1,245	 I&E : ASP cut / declined shipment due to weak market situation of Materials front industry and strong KRW caused sales decrease and operating loss
■ I&E Materials	726	801	760	Outlook • Energy : Continuous sales growth and profitability improvement are
	1Q'17	4Q'17	1Q'18	Solutions expected on the back of increase in demand for overall business of EV / ESS / small size battery
< OP(%) > Energy Solutions	- 10 (-1.0%)	14 (1.1%)	2 (0.2%)	• I&E : Although weak display market situation will likely to impact,
I&E Materials	29(4.0%)	18 (2.2%)	-10 (-1.3%)	Materials profitability is expected to improve thanks to shipment increase due to seasonality as well as cost saving effect

	Divisio	nal Result	s	Analysis & Outlook
 Life Sciences Farm Hannong 	129 254	148	(Unit: KRW b)	 Analysis Life : Profit improved thanks to the milestone income through Sciences new drug approval in overseas despite decrease in vaccine sales Farm : Sales and OP surged QoQ thanks to seasonality while slightly Hannong decreased YoY due to selective participation in the tenders as well as increased R&D investment
< OP(%) > Life Sciences Farm Hannong	1Q '17 21 (15.9%) 50 (19.8%)	68 4Q '17 1 (0.6%) -19 (-27.9%)	1Q '18 7 (5.3%) 45 (19.2%)	 Outlook Life Sciences Increase in sales driven by growth of major products and new drug's (Eucept) launch is expected while increase in R&D investment for developing new molecule drug and marketing expense are planned Farm Hannong YoY growth through sales expansion of premium products and launch of new crop protection product (Terrado'r) is estimated

(Unit:	KRW	bn)
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			2016					2017			2018
Classification	1Q	2Q	3Q	4Q	Total	1Q	2Q	3Q	4Q	Total	1Q
Sales	4,874	5,219	5,054	5,512	20,659	6,487	6,382	6,397	6,432	25,698	6,554
Operating Profit	458	612	460	462	1,992	797	727	790	615	2,929	651
(%)	9.4%	11.7%	9.1%	8.4%	9.6%	12.3%	11.4%	12.3%	9.6%	11.4%	9.9%
EBITDA	780	946	796	805	3,327	1,151	1,074	1,137	972	4,335	1,006
(%)	16.0%	18.1%	15.8%	14.6%	16.0%	17.8%	16.8%	17.8%	15.1%	16.9%	15.3%
Basic Materials & Chemicals	3,512	3,653	3,525	3,758	14,447	4,495	4,319	4,316	4,297	17,427	4,359
NCC / PO	1,156	1,221	1,131	1,161	4,669	1,362	1,291	1,246	1,323	5,222	1,326
PVC / Plasticizer	489	508	496	542	2,035	588	572	560	568	2,288	605
ABS	877	920	866	948	3,611	1,216	1,185	1,261	1,214	4,876	1,233
EP	298	299	304	308	1,210	332	307	357	347	1,343	347
Acrylate / SAP	345	331	357	391	1,424	435	427	425	420	1,706	427
Rubber / Specialty Polymer	347	374	370	408	1,499	563	537	467	424	1,991	420
Operating Profit	466	649	517	506	2,139	734	686	755	634	2,808	637
(%)	13.3%	17.8%	14.7%	13.5%	14.8%	16.3%	15.9%	17.5%	14.7%	16.1%	14.6%
Energy Solutions	814	809	879	1,059	3,562	999	1,120	1,189	1,253	4,561	1,245
Operating Profit	0	-31	-14	-4	-49	-10	8	18	14	29	2
(%)	0.0%	-3.9%	-1.6%	-0.3%	-1.4%	-1.0%	0.7%	1.5%	1.1%	0.6%	0.2%
I&E Materials	627	650	641	739	2,656	726	747	787	801	3,062	760
Operating Profit	-8	-15	-16	-16	-55	29	23	41	18	112	-10
(%)	-1.3%	-2.2%	-2.5%	-2.2%	-2.1%	4.0%	3.1%	5.2%	2.2%	3.6%	-1.3%
Life Sciences	120	131	135	147	532	129	135	139	148	552	131
Operating Profit	17	11	10	9	47	21	19	13	1	54	7
(%)	14.3%	8.1%	7.5%	6.4%	8.9%	15.9%	14.0%	9.5%	0.6%	9.7%	5.3%
Farm Hannong	242	189	87	50	568	254	186	97	68	604	237
Operating Profit	39	-2	-20	-31	-15	50	14	-10	-19	36	45
(%)	15.9%	-1.2%	-23.3%	-61.1%	-2.6%	19.8%	7.3%	-10.1%	-27.9%	5.9%	19.2%

Borrowings					
		(Unit :	KRW bn)		
Classification	'16 (End)	'17 (End)	1Q'18 (End)		
Total (Overseas Subsidiaries)	2,891 (1,892)	3,045 (1,686)	4,236 (1,854)		
KRW Currency	521 18%	1,327 44%	2,375 56%		
СР	270	1,217	2,264		
Others	252	110	111		
Foreign Currency	2,369 82%	1,718 56%	1,861 44%		
Short-term (Overseas Subsidiaries)	2,213 (1,284) 77%	1,451 (1,167) 48%	1,593 (1,323) 38%		
Long-term (Overseas Subsidiaries)	678 (607) 23%	1,594 (519) 52%	2,643 (531) 62%		
Cash	2,207	2,779	3,132		
Net borrowings	683	266	1,105		

•

% Numbers in brackets are amounts for overseas subsidiaries and the % is calculated to total borrowings.



	Cash Flow						
			(Unit:	KRW bn)			
	Classification	sification ^{'17} (Acc.)					
	Beginning Cash	2,207	2,400	2,779			
0	perating/Investing	1,337	546	-831			
	Operating profit	2,929	615	651			
	Depreciation	1,406	357	355			
	Working Capital	-845	168	-707			
	Investing Activities	-1,844	-536	-867			
	Others	-309	-59	-262			
Fi	nancing	-737	-132	1,170			
	Borrowings (Financed & reimbursed)	-351	-132	1,170			
	Dividends paid	-386	-	-			
	Ending Cash	2,779	2,779	3,132			

Appendix

		CAP	ΡEΧ		
				(Uni	t: KRW bn)
Clas	sification	'16 (Acc.)	'17 (Acc.)	4Q '17	1Q '18
Basic	New / Expansion	103	324	192	116
Materials &	Maintenance	289	345	143	49
Chemicals	Total	392	669	335	164
Energy	New / Expansion	365	691	301	150
Solutions	Maintenance	197	259	109	30
Jointions	Total	563	950	410	181
I & E	New / Expansion	291	120	42	46
Materials	Maintenance	95	101	37	28
Materials	Total	386	221	79	75
Life	New / Expansion	124	81	34	24
Sciences	Maintenance	38	25	9	2
Juences	Total	162	106	43	26
Common	New / Expansion	555	395	194	23
(including	Maintenance	82	200	115	32
Farm Hannong)	Total	637	595	309	55
	New / Expansion	1,314	1,612	764	359
Total	Maintenance	663	928	413	141
	Total	1,977	2,540	1,177	500

R&D expenses

(Unit: KRW bn)

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Classification	'16 (Acc.)	'17 (Acc.)	4Q '17	1Q '18
Basic Materials & Chemicals	150	164	41	40
(% of sales)	(1.0%)	(0.9%)	(0.9%)	(0.9%)
Energy Solutions	276	299	75	70
(% of sales)	(7.7%)	(6.2%)	(6.0%)	(5.6%)
I & E	161	181	47	48
Materials (% of sales)	(6.1%)	(5.9%)	(5.9%)	(6.3%)
Life	91	96	28	28
Sciences (% of sales)	(17.1%)	(17.4%)	(19.1%)	(21.3%)
Common (including Farm Hannong)	91	152	43	47
Total	678	892	235	233
(% of sales)	(3.3%)	(3.5%)	(3.6%)	(3.6%)

* As of 1Q'18, more than 50% of Energy solutions' R&D expenses were used for EV battery accumulatively

	Bus	iness	Plan
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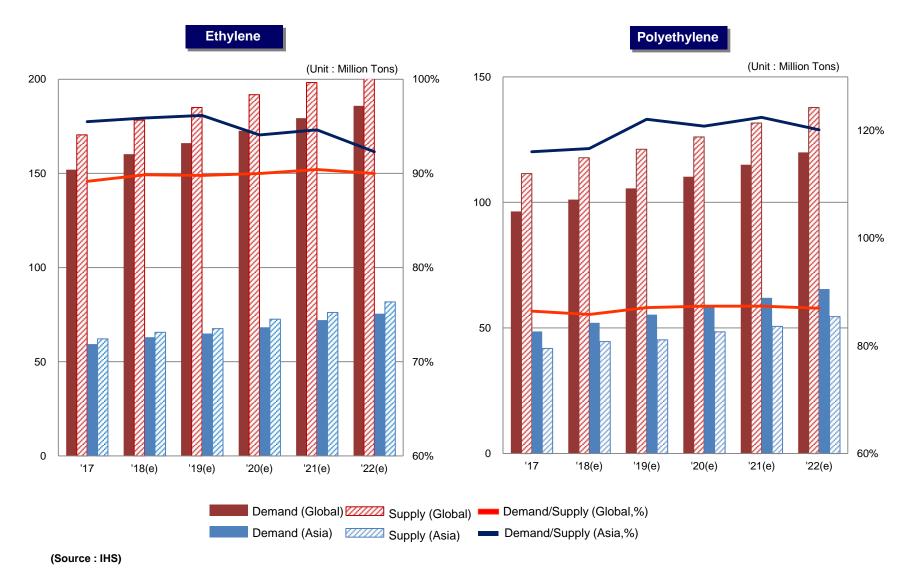
(Unit: KRW tn						
Classification	'17	'18 Plan	Change			
Sales	25.7	26.9	+4.7%			
Basic Materials & Chemicals	17.4	16.8	-3.6%			
Energy Solutions	4.6	6.1	+34.2%			
I&E Materials	3.1	3.4	+9.4%			
Life Sciences	0.6	0.6	+8.8%			
Farm Hannong	0.6	0.7	+14.3%			
Operating Profits	2.9	N/A	N/A			

CAPEX Plan

(Unit: KRW tn)

	Classification		'17	'18 Plan	Change	
	LG Chem		2.5	3.8	+52%	,
	New/Expansion		1.2	2.2	+85%	,
	Maintenance		0.9	1.2	+30%	,
	R	&D	0.4	0.4	+2%	
		' 17	<u>'18</u>			
Basic Materials & ChemicalsExpansion of Investment in specialty items and their feedstock						1.3
	Energy Solution	of 1.0	1.5			
	Others				0.4	0.7

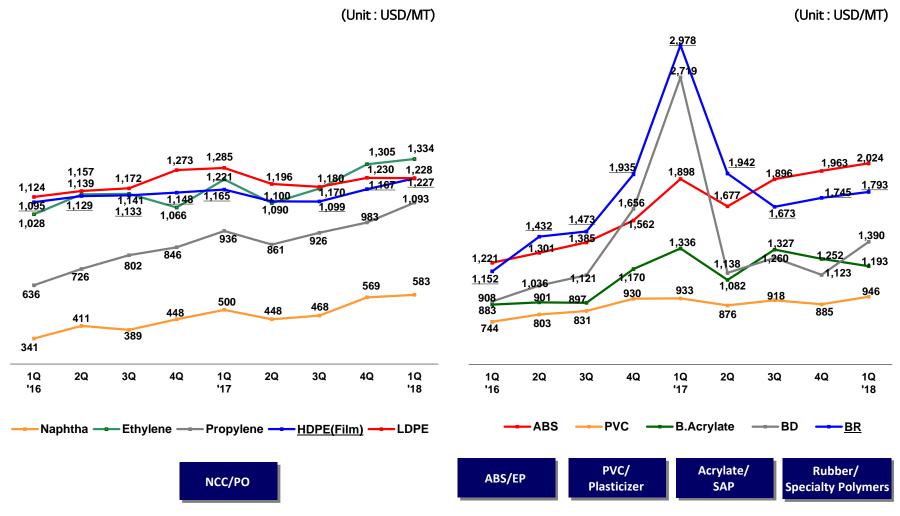
Appendix





Quarterly Price Trends

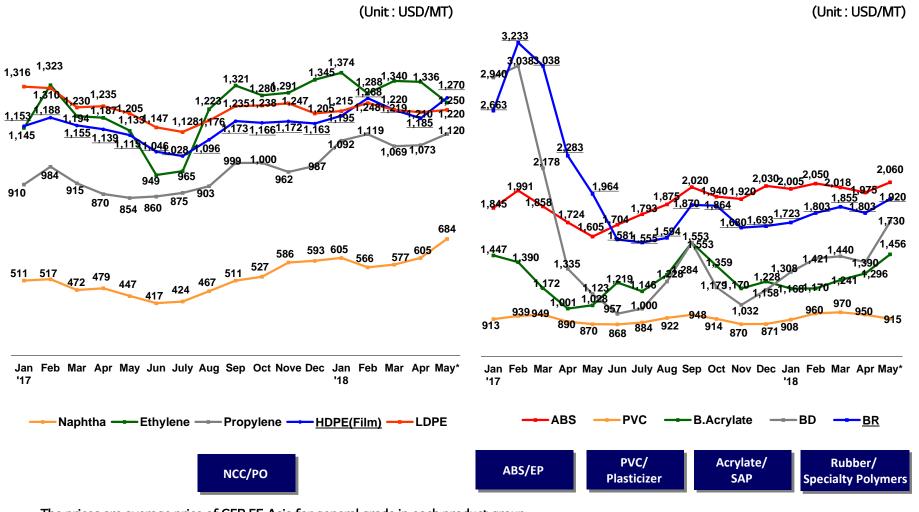
Appendix



• The prices are average price of CFR FE Asia for general grade in each product group.

Monthly Price Trends

Appendix



• The prices are average price of CFR FE Asia for general grade in each product group.

* shows the average prices on 3rd week of May, 2018