

## MIRA INFORM REPORT

<b>Report No. :</b>	518773
<b>Report Date :</b>	06.07.2018

### IDENTIFICATION DETAILS

<b>Name :</b>	LG CHEM LTD.
<b>Registered Office :</b>	128, Yeoui-Daero, Yeongdeungpo-Gu, Seoul, Korea, 24th Fl., LG Twin Tower East Annex, 07336
<b>Country :</b>	South Korea
<b>Financials (as on) :</b>	31.12.2017
<b>Date of Incorporation :</b>	03.04.2001
<b>Com. Reg. No.:</b>	107-81-98139
<b>Legal Form :</b>	Listed Company
<b>Line of Business :</b>	<ul style="list-style-type: none"> <li>• Manufacture of Basic Organic Petrochemicals (Petrochemicals, Performance Polymers, Industrial Materials, Information &amp; Electronic Materials)</li> <li>• Manufacture of Synthetic Resin and Other Plastic Materials</li> </ul>
<b>No. of Employees :</b>	16,839

### RATING & COMMENTS

(Mira Inform has adopted New Rating mechanism w.e.f. 23<sup>rd</sup> January 2017)

<b>MIRA's Rating :</b>	<b>A++</b>
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Credit Rating	Explanation	Rating Comments
A++	Minimum Risk	Business dealings permissible with minimum risk of default

<b>Status :</b>	Excellent
<b>Payment Behaviour :</b>	Regular

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<b>Litigation :</b>	Exist
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**NOTES :**

Any query related to this report can be made on e-mail : [infodept@mirainform.com](mailto:infodept@mirainform.com) while quoting report number, name and date.

**ECGC Country Risk Classification List**

Country Name	Previous Rating (31.12.2017)	Current Rating (01.04.2018)
South Korea	A1	A1

Risk Category	ECGC Classification
Insignificant	A1
Low Risk	A2
Moderately Low Risk	B1
Moderate Risk	B2
Moderately High Risk	C1
High Risk	C2
Very High Risk	D

### **SOUTH KOREA - ECONOMIC OVERVIEW**

After emerging from the 1950-53 war with North Korea, South Korea emerged as one of the 20th century's most remarkable economic success stories, becoming a developed, globally connected, high-technology society within decades. In the 1960s, GDP per capita was comparable with levels in the poorest countries in the world. In 2004, South Korea joined the trillion-dollar club of world economies.

Beginning in the 1960s under President PARK Chung-hee, the government promoted the import of raw materials and technology, encouraged saving and investment over consumption, kept wages low, and directed resources to export-oriented industries that remain important to the economy to this day. Growth surged under these policies, and frequently reached double-digits in the 1960s and 1970s. Growth gradually moderated in the 1990s as the economy matured, but remained strong enough to propel South Korea into the ranks of the advanced economies of the OECD by 1997. These policies also led to the emergence of family-owned chaebol conglomerates such as Daewoo, Hyundai, and Samsung, which retained their dominant positions even as the government loosened its grip on the economy amid the political changes of the 1980s and 1990s.

The Asian financial crisis of 1997-98 hit South Korea's companies hard because of their excessive reliance on short-term borrowing, and GDP ultimately plunged by 7% in 1998. South Korea tackled difficult economic reforms following the crisis, including restructuring some chaebols, increasing labor market flexibility, and opening up to more foreign investment and imports. These steps led to a relatively rapid economic recovery. South Korea also began expanding its network of free trade agreements to help bolster exports, and has since implemented 16 free trade agreements covering 58 countries—including the United State and China—that collectively cover more than three-quarters of global GDP.

In 2017, the election of President MOON Jae-in brought a surge in consumer confidence, in part, because of his successful efforts to increase wages and government spending. These factors combined with an uptick in export growth to drive real GDP growth to more than 3%, despite disruptions in South Korea's trade with China over the deployment of a US missile defense system in South Korea.

In 2018 and beyond, South Korea will contend with gradually slowing economic growth - in the 2-3% range - not uncommon for advanced economies. This could be partially offset by efforts to address challenges arising from its rapidly aging population, inflexible labor market, continued dominance of the chaebols, and heavy reliance on exports rather than domestic consumption. Socioeconomic problems also persist, and include rising inequality, poverty among the elderly, high youth unemployment, long working hours, low worker productivity, and corruption.

Source : CIA

## **BASIC INFORMATION**

Company Name	LG CHEM LTD.
Registered Address	128, Yeoui-daero, Yeongdeungpo-gu, Seoul, Korea
Building	24th Fl., LG Twin Tower East Annex
Zip Code	07336
Tel	+82-2-3773-5114
Fax	+82-2-3773-7933
E-mail	ir@lgchem.com
Website	www.lgchem.com
Trading Address	24th Fl., LG Twin Tower East Annex, 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, Korea (Old Address System : 24th Fl., LG Twin Tower East Annex, 20, Yeouido-dong, Yeongdeungpo-gu, Seoul, Korea)
Tel	+82-2-3777-1114
Fax	+82-2-3773-7933
Other Address-Information Electronics Materials Div.	10, Gukjegeumyung-ro, Yeongdeungpo-gu, Seoul, Korea
Tel	+82-2-3773-6652
Fax	
Other Address-Yeosu VCM Factory	763, Wolnae-dong, Yeosu-si, Jeonnam-do 555-260 Korea
Tel	+82-61-680-6400
Fax	
Other Address-Yeosu SM Factory	1214-1, Jeokryang-dong, Yeosu-si, Jeonnam-do 555-270 Korea
Tel	+82-61-680-6201
Fax	
Other Address-Okso Alcohol Factory	760 Jungheung-dong, Yeosu-si, Jeonnam-do 555-200 Korea
Tel	+82-61-680-6810
Fax	
Other Address-Yeosu Acylate Factory	70-1, Hwachi-dong, Yeosu-si, Jeonnam-do 555-280 Korea
Tel	+82-61-680-1114
Fax	+82-61-680-6006
Other Address-Naju Factory	1, Songwol-dong, Naju-si, Jeonnam-do 520-130 Korea
Tel	+82-61-330-1114
Fax	+82-61-330-1350
Other Address-Daesan Factory	679-13, Daejuk-ri, Daesan-eup, Seosan-si, Chungnam-do 356-874 Korea
Tel	+82-41-660-7821
Fax	+82-41-660-7891
Other Address-Iksan Factory	599, Yongje-dong, Iksan-si, Jeonbuk-do 570-350 Korea
Tel	+82-63-830-1114
Fax	+82-63-830-4118

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Other Address-Ochang Techno Park	8B Ochang Scientific Local Industrial Complex 1114-1 Namchon-ri, Oksan-myeon, Cheongwon-gun, Chungbuk-do 363-911 Korea
Tel	+82-41-660-7826
Fax	+82-41-660-7891
Other Address-R&D Center	188, Munji-ro, Yuseong-gu, Daejeon, Korea (Old Address System : 104-1, Munji-dong, Yuseong-gu, Daejeon, 305-738 Korea)
Tel	+82-42-866-2114
Fax	
Other Address-Gwacheon R&D Campus	36, Janggunmaeul 3-gil, Gwacheon-si, Gyeonggi-do, Korea (Old Address System : 1-1, Juam-dong, Gwacheon-si, Gyeonggi-do, Korea)
Tel	+82-2-570-4010
Fax	
Other Address-Polyolefin Research Institute	754, Jungheung-dong, Yeosu-si, Jeonnam-do 555-200 Korea
Tel	
Fax	
Type	Export/Import
Industry	Manufacture of Basic Organic Petrochemicals
Main Business	Petrochemicals, Performance Polymers, Industrial Materials, Information & Electronic Materials
Sub Business	Manufacture of Synthetic Resin and Other Plastic Materials
Established (mm/dd/yyyy)	04/03/2001

## **DETAILED PRODUCTS**

Activity	Detailed Products (UNSPSC)
Sell	Photographic processing chemicals(45141500)
Sell	Resins(13111000)
Sell	Surface decorative materials
Sell	Circuit assemblies and radio frequency RF components(32101500)
Sell	Films(13111200)
Sell	Electrical boxes(39121303)
Sell	Rugs and mats(52101500)
Sell	Synthetic or imitation leather(11162307)
Sell	Wall finishing materials(30161500)
Sell	Heating equipment and parts and accessories(40101800)
Sell	Additives(12160000)
Sell	Flooring(30161700)
Sell	Restroom partitions(30181508)
Sell	Pipe(40142100)
Sell	Tiles and flagstones(30131700)
Sell	Doors(30171500)
Sell	Door frames(30171507)
Sell	Films(13111200)
Sell	Wallpapers(30161502)

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Sell	Nickel hydrogen batteries(26111712)
Sell	Lithium batteries(26111711)
Sell	Transportation components and systems(25170000)
Sell	Polarizers(31242202)
Sell	Billboard advertising(82101501)
Sell	Molding(30161906)
Sell	Polystyrene PS(13102026)
Sell	Gaseous fuels(15111500)
Sell	Inorganic hydroxides(12352305)
Sell	Elastomers(13101700)
Sell	Toner(44103103)
Sell	Plasticizers(12162000)
Sell	Low Density Polyethylene LDPE(13102018)
Sell	Polybutylene Terephthalate PBT(13102012)
Sell	Chemicals including Bio Chemicals and Gas Materials(12000000)
Sell	Aromatic or heterocyclic compounds(12352005)
Sell	Acrylonitrile butadiene styrene ABS(13102001)
Sell	Thermoplastic plastics(13102000)
Sell	Polypropylene PP(13102022)
Sell	Styrene Acrylonitrile SAN(13102031)
Sell	Polyethylene (PE) Compound
Sell	Acrylate or methacrylate intermediates(12352130)
Sell	High Density Polyethylene HDPE(13102017)
Sell	Polyvinyl Chloride PVC(13102030)

## **CEO'S**

Name	Park Jin-Soo
Date of Birth	03/01/1952
Title	Vice Chairman & CEO
Nationality	Korean

## **PROFILES**

Capital (KRW)	391,405,715,000
Employees	16,839
Formation	Listed Company (Korea Stock Exchange : 051910 ) as of 04/25/2001 A Company of LG Business Group
Bank Details	Woori Bank-Twin Tower Branch KEB Hana Bank
Corporate Registered No.	110111-2207995
Business Registered No.	107-81-98139
Permit & Licenses	KOSHA 2000

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	Int'l Trade No.: 11893323		
Shareholder Position	Name	Shares	%
	LG CORP.(110111-0003543)	23,534,211	30.06
	NATIONAL PENSION SERVICE(110171-0007134)	6,407,205	8.18
	TREASURY STOCK	1,668,783	2.13
	OTHERS	46,670,944	59.62
	TOTAL	78,281,143	100.00
Company History	04/03/2001 Incorporated as the present name after split LGCI		
	04/02/2009 Decreased capital to 369,500,105,000 KRW from 419,500,105,000 KRW		
	04/01/2011 Acquired LG POLYCARBONATE LTD.(206211-0014519)		
	04/2011. Completed construction of Ochang plant 1 for electric vehicle batteries		
	04/2011. Completed expansion of Daesan NCC(ethylene 150,000 tons, propylene 75,000 tons, etc.)		
	07/2011. Established a petrochemical joint venture in Kazakhstan		
	06/2012. Completed expansion of acrylic acid(160,000 tons) and SAP(80,000 tons) plant.		
	08/2013. Completed expansion of polymer battery(10,000,000cells/month) plant in Nanjing, China.		
	12/2013. Established High EVA(140,000 tons) and SSBR(60,000 tons) plant in Deasan		
	04/30/2014 Acquired NanoH2O (USA)		
04/15/2016 Acquired FARM HANNONG CO., LTD.(110111-4362482)			
01/02/2017 Increased capital to 391,405,715,000 KRW from 369,500,105,000 KRW			
01/02/2017 Acquired LG LIFE SCIENCES, LTD.(110111-2581183)			

## **DETAILED INFORMATION**

### **Management**

Job Description	Name	Nationality	Date of Birth	Inauguration Date
Vice Chairman & CEO	Park Jin-Soo	Korean	03/01/1952	03/16/2012
Vice Chairman	Koo Bon-Joon	Korean	12/24/1951	03/18/2016
President & CFO	Jung Ho-Young	Korean	11/02/1961	03/18/2016
Outside Director / Auditor	Ahn Young-Ho	Korean	11/03/1954	03/18/2016
Outside Director / Auditor	Kim Moon-Soo	Korean	01/17/1955	03/23/2018
Outside Director	Cha Kook-Heon	Korean	07/17/1958	03/18/2016
Outside Director / Auditor	Jung Dong-Min	Korean	06/10/1960	03/17/2017

## **FINANCIALS**

Year / Unit : KRW	Sales	Assets	Net Income
2017	20,880,236,000,000	21,148,136,000,000	1,605,223,000,000
2016	17,264,845,000,000	16,775,894,000,000	1,379,589,000,000
2015	17,334,109,000,000	16,231,596,000,000	1,203,855,000,000
2014	19,675,975,000,000	15,893,446,000,000	823,496,000,000
2013	20,255,935,000,000	15,387,176,000,000	1,174,392,000,000
2012	20,442,790,000,000	14,784,787,000,000	1,440,317,000,000
2011	19,809,874,000,000	13,419,017,000,000	2,028,321,000,000
2010	16,850,454,000,000	11,014,609,000,000	1,970,993,000,000
2009	13,694,516,000,000	9,434,738,000,000	1,384,472,000,000
2008	12,645,000,000,000	8,036,382,000,000	1,002,585,000,000
2007	10,795,320,000,000	7,049,952,000,000	686,205,000,000
2006	9,284,570,000,000	5,806,516,000,000	316,000,000,000
2005	7,425,104,000,000	5,593,399,000,000	400,258,000,000
2004	7,127,411,000,000	5,679,529,000,000	536,420,000,000
2003	5,672,465,760,496	4,761,747,857,666	362,108,459,312

## **FINANCIAL DESCRIPTION**

Authorized Capital(KRW)	1,460,000,000,000
Paid-Up Capital(KRW)	391,405,715,000
Total Issues Shares	78,281,143(Common : 70,592,343 / Preferable : 7,688,800)

### **Balance Sheet**

Unit : Million Korean Won	As of 12/31/2017	As of 12/31/2016	As of 12/31/2015
Total Assets	21,148,136	16,775,894	16,231,596
Current Assets	8,377,679	6,784,724	7,114,410
Cash & Cash Equivalents	1,649,689	956,068	1,423,061
Trade Payables	3,781,000	3,010,529	2,745,514
Other Receivables	723,968	911,656	1,162,967
Current Financial Instruments			93
Other Current Assets	143,873	129,154	80,793
Inventories	2,074,555	1,775,011	1,695,482
Non-Current Assets to be Sold	4,594	2,306	6,500
Non-Current Assets	12,770,457	9,991,170	9,117,186
Other Long-Term Receivables	114,834	112,686	55,024
Non-Current Financial Instruments	18,683	18,785	13,813
Investment_Subsiaries	2,462,468	1,951,067	1,015,354
Investment_Related	193,145	203,290	245,674

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Companies			
Deferred Income Tax Credit	147,631	20,930	
Assets			
Tangibles	8,348,088	7,268,225	7,429,799
Intangibles	1,418,188	397,453	337,853
Investment_Real Estates	1,027	1,039	
Other Non-Current Assets	66,393	17,695	19,669
Total Liabilities	5,642,604	3,299,563	3,787,033
Current Liabilities	4,458,776	3,138,763	3,412,605
Trade Payables	1,397,841	1,091,037	850,086
Other Payables	1,722,151	949,711	839,884
Borrowings	135,059	650,808	1,133,004
Other Current Finance	6,374		
Debts			
Current Portion of	39,663	35,243	9,460
Provisions			
Accrued Income Tax	373,745	199,121	321,683
Other Current Liabilities	783,943	212,843	258,488
Non-Current Liabilities	1,183,828	160,800	374,428
Long-Term Trade Payables	5,704	11,644	551
& Other Payables			
Borrowings	875,176	30,272	233,859
Non-Current Provision	86,175	42,986	24,535
Provision for Severance &	148,554	46,390	79,077
Retirement			
Deferred Income Tax			8,554
Other Non-Current Debts	68,219	29,508	27,852
Capital Stock	391,406	369,500	369,500
Capital Surplus	2,283,378	1,166,764	1,166,764
Others	-357,747	-14,263	-16,075
Profit Surplus	13,188,495	11,954,330	10,924,374
Total Equity	15,505,532	13,476,331	12,444,563
Liab. & Shareholder's	21,148,136	16,775,894	16,231,596
Equity			

**Income Statement**

<b>Unit : Million Korean Won</b>	<b>As of 12/31/2017</b>	<b>As of 12/31/2016</b>	<b>As of 12/31/2015</b>
Sales	20,880,236	17,264,845	17,334,109
Cost of Sold Goods	16,369,235	13,716,875	14,109,705
Gross Profit	4,511,001	3,547,970	3,224,404
Selling & Admin. Expenses	2,217,772	1,734,725	1,604,312
Operating Income	2,293,229	1,813,245	1,620,092
Finance Income	229,046	235,822	237,923
Finance Expenses	220,556	148,051	138,579
Other Non-Operating	362,882	461,469	523,025
Income			
Other Non-Operating	663,966	618,411	716,013
Expenses			
Income Before Taxes	2,000,635	1,744,074	1,526,448

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Income Taxes Expenses	395,412	364,485	322,593
Net Income	1,605,223	1,379,589	1,203,855

**Cash Flows**

<b>Unit : Million Korean Won</b>	<b>As of 12/31/2017</b>	<b>As of 12/31/2016</b>	<b>As of 12/31/2015</b>
Operating Activities Cash Flows	2,858,938	2,239,725	2,752,528
Cash Flows from Operating Interests Received	3,153,801	2,663,581	2,830,131
Interests Paid	22,246	38,351	30,945
Dividends Received	-26,642	-27,319	-33,928
Income Taxes	71,229	76,364	96,747
Cash Flows from Investing	-361,696	-511,252	-171,367
Cash Inflow from Investing	-1,460,585	-1,673,213	-1,323,445
Cash Outflows for Investing	1,123,611	647,064	1,121,493
Cash Flows from Financing	-2,584,196	-2,320,277	-2,444,938
Cash Inflows from Financing	-706,514	-1,032,561	-721,919
Cash Outflows from Financing	797,632		
Increase/Decrease in Cash	-1,504,146	-1,032,561	-721,919
Cash at the Beginning of Year	691,839	-466,049	707,164
Cash at the End of Year	956,068	1,423,061	717,965
	1,649,689	956,068	1,423,061

**PRODUCTS,  
DESCRIPTION**

**TECHNOLOGIES,**

**SERVICES**

Main Products & Services	-Information & Electronic Materials Mobile Energy Optical Materials Electronic Materials
	-Chemicals & Polymers NCC/Polyolefin Rubbers/Specialty Polymers PVC ABS/EP Acrylates/Plasticizers
	-Industrial Materials Housing Solutions Living Solutions Automotive Solutions
Detailed Products Spec.	Information & Electronic Materials

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Chemicals & Polymers  
Industrial Materials

Technologies Acquired

## **TRADE PARTNERS & COMPETITORS**

Suppliers

LG INTERNATIONAL CORP.  
LG PETROCHEM. CO., LTD.(110111-0226905)  
LG CORP.  
OXY/DOW CHEM  
PETOCA

ADVANCED NANO PRODUCTS CO., LTD.  
BUYONG LOCAL INDUSTRIAL COMPLEX, 244, GEUMHO-RI, BUYONG-  
MYEON, CHEONGWON-GUN, CHUNGBUK-DO 363-942 KOREA  
TEL:+82-43-275-6966 FAX:+82-43-275-6960  
INDUSTRY: MANUFACTURE OF ALL OTHER CHEMICAL PRODUCTS  
N.E.C.

KAEL CO., LTD.  
1690-2, SINIL-DONG, DAEDEOK-GU, DAEJEON 306-230 KOREA  
TEL:+82-42-931-6287 FAX:+82-42-931-9190  
INDUSTRY: MANUFACTURE OF SEMICONDUCTOR- MAKING  
MACHINERY

ELICO POWER CO., LTD.  
466-2, SONGJEONG-DONG, GWANGJU-SI, GYEONGGI-DO 464-903  
KOREA  
TEL:+82-31-760-3600 FAX:+82-31-760-3601  
INDUSTRY: MANUFACTURE OF OTHER ELECTRIC MOTORS,  
GENERATORS AND TRANSFORMERS

SEMONG NICE CO., LTD.  
#407 YUCHEON FACTOPIA 196 ANYANG 7-DONG MANAN-GU  
ANYANG-SI GYEONGGI-DO 430-727 KOREA  
TEL:+82-31-467-2713~6 FAX:+82-31-467-2999  
INDUSTRY: MANUFACTURE OF SHOES

BUMSAN SYSTEC CO., LTD.  
2 FL., GEUMSEONG BLDG., 117-2, YANGJAE-DONG, SEOCHO-GU,  
SEOUL 137-130 KOREA  
TEL:+82-2-577-2574 FAX:+82-2-579-6481  
INDUSTRY: PAPER HANGING, DECORATING AND CARPENTRY  
WORKS

Suppliers

LS CABLE LTD.  
19 FL., ASEM TOWER, 159, SAMSEONG 1-DONG, GANGNAM-GU,  
SEOUL 135-798 KOREA

TEL:+82-2-2189-9114 FAX:+82-2-2189-9509  
INDUSTRY: MANUFACTURE OF INSULATED WIRE AND CABLE,  
EXCEPT INSULATED CODE SETS

SUN YOUNG CHEMICAL CO., LTD.  
170-43, ANNYEONG-RI, TAEAN-EUP, HWASEONG-SI, GYEONGGI-DO  
445-976 KOREA  
TEL:+82-31-226-3016 FAX:+82-31-226-3010  
INDUSTRY: MANUFACTURE OF PLASTIC FILMS, SHEETS AND  
PLATES

NEXCON TECHNOLOGY CO., LTD.  
303-1, YOBANG-RI, SEONGGEO-EUP, CHEONAN-SI, CHUNGNAM-DO  
330-834 KOREA  
TEL:+82-41-620-4000 FAX:+82-41-620-4009  
INDUSTRY: MANUFACTURE OF OTHER ELECTRIC MOTORS,  
GENERATORS AND TRANSFORMERS

POWER LOGICS CO., LTD.  
5445, SANGDAEWON-DONG, JUNGWON-GU, SEONGNAM-SI,  
GYEONGGI-DO 462-120 KOREA  
TEL:+82-31-704-1463 FAX:+82-31-704-9487  
INDUSTRY: MANUFACTURE OF ELECTRICAL APPARATUSESES FOR  
SWITCHING, PROTECTING AND CONNECTING ELECTRICAL  
CIRCUITS USED IN POWER DISTRIBUTION SYSTEMS

SPEC CORP.  
1695-5, SINIL-DONG, DAEDEOK-GU, DAEJEON 306-230 KOREA  
TEL:+82-42-934-9200 FAX:+82-42-934-9300  
INDUSTRY: MANUFACTURE OF AIRCRAFT PARTS AND  
ACCESSORIES

DONGKOOK IND. CO., LTD.  
GABEUL BLDG., 2-5, GARWOL-DONG, YONGSAN-GU, SEOUL 140-758  
KOREA  
TEL:+82-2-754-2961 FAX:+82-2-754-2960  
INDUSTRY: MANUFACTURE OF OTHER PARTS AND ACCESSORIES  
FOR MOTOR VEHICLES

S DOCERA CO.  
11-1206 REX APT, DONG BU ICHON DONG, YONGSAN GU, SEOUL  
140-030 KOREA  
TEL:+82-2-7492720 FAX:+82-2-7492722  
INDUSTRY: WHOLESAL TEXTILES

Customers

SILTRON INC.  
LG INTERNATIONAL CORP.  
LG ELECTRONICS INC.  
LG. PHILIPS LCD CO., LTD.  
LG PETROCHEM. CO., LTD.

KIA MOTORS CORPORATION  
231, YANGJAE-DONG, SEOCHO-GU, SEOUL 137-130 KOREA  
TEL:+82-2-3464-1114 FAX:+82-2-3464-6800  
INDUSTRY: MANUFACTURE OF PASSENGER MOTOR VEHICLES

DAEWOO ELECTRONICS CO., LTD.  
686, AHYEON-DONG, MAPO-GU, SEOUL 121-010 KOREA  
TEL:+82-2-360-7114 FAX:+82-2-360-5588  
INDUSTRY: MANUFACTURE OF OTHER DOMESTIC ELECTRIC  
APPLIANCES

GS ENGINEERING & CONSTRUCTION CORP.  
GS YEOKJEON BLDG., 537, NAMDAEMUNNO 5-GA, JUNG-GU, SEOUL  
100-722 KOREA  
TEL:+82-2-728-1112~3 FAX:+82-2-728-1203,3235  
INDUSTRY: APARTMENT BUILDING CONSTRUCTION

NATIONAL PLASTIC CO., LTD.  
834, WONSI-DONG, DANWON-GU, ANSAN-SI, GYEONGGI-DO 425-852  
KOREA  
TEL:+82-31-361-8613 FAX:+82-31-360-7501  
INDUSTRY: MANUFACTURE OF PACKAGING PLASTICS AND  
SHIPPING CONTAINERS

HYNIX SEMICONDUCTOR INC.  
SAN 136-1, AMI-RI, BUBAL-EUP, ICHEON-SI, GYEONGGI-DO 467-866  
KOREA  
TEL:+82-31-630-4114 FAX:+82-31-630-4103  
INDUSTRY: MANUFACTURE OF DIODES, TRANSISTORS AND  
SIMILAR SEMI-CONDUCTOR DEVICES

Customers

GAON CABLE CO., LTD.  
166, GEUMJEONG-DONG, GUNPO-SI, GYEONGGI-DO 435-824 KOREA  
TEL:+82-31-452-7346 FAX:+82-31-454-1916  
INDUSTRY: MANUFACTURE OF INSULATED WIRE AND CABLE,  
EXCEPT INSULATED CODE SETS

YOULCHON CHEMICAL CO., LTD.  
4F NONGSHIM BD, 370-1, SINDAEBANG 2-DONG, DONGJAK-GU,  
SEOUL, 156-848 KOREA  
TEL:+82-2-822-0022 FAX:+82-2-821-0956  
INDUSTRY: MANUFACTURE OF PLASTIC SACKS, BAGS AND SIMILAR  
PRODUCTS

SL CORPORATION  
236-3, NOWONDONG 3-GA, BUK-GU, DAEGU 702-815 KOREA  
TEL:+82-53-352-8511 FAX:+82-53-352-8520  
INDUSTRY: MANUFACTURE OF OTHER PARTS AND ACCESSORIES  
FOR MOTOR VEHICLES

Customers

DONG AH TIRE & RUBBER CO., LTD.  
90, YUSAN-DONG, YANGSAN-SI, GYEONGNAM-DO 626-230 KOREA  
TEL:+82-55-389-0011 FAX:+82-55-382-7736  
INDUSTRY: MANUFACTURE OF TIRES AND TUBES

KOLON CHEMICAL CO., LTD.  
10F KOLON TOWER 1-23, BYEORYANG-DONG, GWACHEON-SI,  
GYEONGGI-DO 427-709 KOREA  
TEL:+82-2-3677-6043 FAX:+82-2-3677-6190  
INDUSTRY: MANUFACTURE OF SYNTHETIC RESIN AND OTHER  
PLASTIC MATERIALS

DC CHEMICAL CO., LTD.  
ORIENTAL CHEMICAL IND. BLDG., 50, SOGONG-DONG, JUNG-GU,  
SEOUL 100-718 KOREA  
TEL:+82-2-727-9500 FAX:+82-2-757-4111  
INDUSTRY: MANUFACTURE OF OTHER BASIC INORGANIC  
CHEMICALS

HANIL EWHA CO., LTD.  
176-3, GOCHEOK 2-DONG, GURO-GU, SEOUL 152-831 KOREA  
TEL:+82-2-2618-5231 FAX:+82-2-2618-1153  
INDUSTRY: MANUFACTURE OF PARTS AND ACCESSORIES FOR  
MOTOR VEHICLE BODY

HYUNDAI MOTOR COMPANY  
231, YANGJAE-DONG, SEOCHO-GU, SEOUL 137-130 KOREA  
TEL:+82-2-3464-1114 FAX:+82-2-3464-3469  
INDUSTRY: MANUFACTURE OF PASSENGER MOTOR VEHICLES

GM DAEWOO AUTO & TECHNOLOGY COMPANY  
199-1, CHEONGCHEON-DONG, BUPYEONG-GU, INCHEON 403-030  
KOREA  
TEL:+82-32-520-2114 FAX:+82-32-520-4658  
INDUSTRY: MANUFACTURE OF PASSENGER MOTOR VEHICLES

Competitors

CHIL SUNG POLYMER CO., LTD.  
54-5, SEONGSAN-DONG, MAPO-GU, SEOUL 121-250 KOREA  
TEL:+82-2-334-4604 FAX:+82-2-334-8969  
INDUSTRY: MANUFACTURE OF ADHESIVES AND GELATIN  
SAMSUNG GENERAL CHEMICALS CO., LTD.  
SAN 222-2, DOKGOT-RI, DAESAN-EUP, SEOSAN-SI, CHUNGNAM-DO  
356-874 KOREA  
TEL:+82-41-660-6213 FAX:+82-41-681-4812  
INDUSTRY: MANUFACTURE OF BASIC ORGANIC PETROCHEMICALS

SAMSUNG TOTAL PETROCHEMICALS CO., LTD.  
411-1, DOKGOT-RI, DAESAN-EUP, SEOSAN-SI, CHUNGNAM-DO 356-  
874 KOREA

TEL:+82-41-660-6114 FAX:+82-41-681-4812  
INDUSTRY: MANUFACTURE OF BASIC ORGANIC PETROCHEMICALS

SK CHEMICALS CO., LTD.  
600, JEONGJA 1-DONG, JANGAN-GU, SUWON-SI, GYEONGGI-DO  
440-745 KOREA  
TEL:+82-31-245-3131 FAX:+82-31-247-2004  
INDUSTRY: MANUFACTURE OF BASIC ORGANIC PETROCHEMICALS

BASF CO., LTD.  
373-15, HWACHI-DONG, YEOSU-SI, JEONNAM-DO 555-280 KOREA  
TEL:+82-61-680-7000 FAX:+82-61-684-7260  
INDUSTRY: MANUFACTURE OF BASIC ORGANIC PETROCHEMICALS

ACE DIGITECH CO., LTD.  
441-1, GURYONG-RI, OCHANG-MYEON, CHEONGWON-GUN,  
CHUNGBUK-DO 363-883 KOREA  
TEL:+82-43-210-0100 FAX:+82-43-217-6991  
INDUSTRY: MANUFACTURE OF OPTICAL FIBERS AND ELEMENTS

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Affiliates-Overseas

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DEVELOPMENT LIMITED  
HANGZHOU LG COSMETICS CO., LTD.  
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LG CHEMICAL TRADING CO., LTD  
LG CHEMICAL(GUANGZHOU) ENGINEERING PLASTICS CO.,LTD  
LG CNS AMERICA, INC  
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LG CNS GLOBAL PRIVATE LIMITED

LG HOLDINGS (HK) LTD.(HONG KONG)  
(26.00% held by the subject company)

LG CHEM BRASIL INTERMEDICAO DE NEGOCIOS DO SETOR  
QUIMICO LTDA.(BRAZIL)  
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LG CHEM MALAYSIA SDN.BHD.(MALAYSIA)  
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LG ELECTRONICS AFRICA LOGISTICS FZE  
LG ELECTRONICS ALAMABA, INC. (LGEAI)  
LG ELECTRONICS ALMATY KAZAK CO., LTD.(LGEAK)  
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LG ELECTRONICS AUSTRALIA PTY., LTD. (LGEAP)  
LG ELECTRONICS AUSTRIA GMBH  
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LG ELECTRONICS CANADA,INC. (LGECI)  
LG ELECTRONICS CHINA CO., LTD. (LGECH)  
LG ELECTRONICS COLOMBIA, LTDA.(LGEGB)  
LG ELECTRONICS CZECH S.R.O.

Affiliates-Overseas

	LG ELECTRONICS DA AMAZONIA LTDA (LGEAZ)
	LG ELECTRONICS DE SAO PAULO LTDA. (LGESP)
	LG ELECTRONICS DEUTSCHLAND.GMBH. (LGEDG)
	LG ELECTRONICS EGYPT CARIO S.A.E (LGEEC)
	LG ELECTRONICS EGYPT S.A.E. (LGEEG)
	LG ELECTRONICS ESPANA S.A. (LGEES)
	LG ELECTRONICS EUROPEAN HOLDINGS B.V.
	LG ELECTRONICS EUROPEAN LOGISTICS & SERVICES B.V.
	LG ELECTRONICS EUROPEAN SHARED SERVICE CENTER B.V.
	LG ELECTRONICS FRANCE S.A.R.L.
Affiliates-Overseas	LG ELECTRONICS GULF FZE (LGE GF)
	LG ELECTRONICS HELLAS S.A
	LG ELECTRONICS HK LTD.(LGEHK)
	LG ELECTRONICS INC. CHILE LIMITADA
	LG ELECTRONICS INDIA (PVT.) LTD. (LGEIL)
	LG ELECTRONICS ITALY S.P.A. (LGEIS)
	LG ELECTRONICS JAPAN INC. (LGEJP)
	LG ELECTRONICS JIT EUROPE B.V
	LG ELECTRONICS LATVIA LLC
	LG ELECTRONICS MAGYAR KFT. (LGEMK)
	LG ELECTRONICS MALAYSIA SDN. BHD.(LGEML)
	LG ELECTRONICS MEXICALI, S. A. DE C. V. (LGEMX)
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	LG ELECTRONICS MLAWA SP.ZO.O (LGEMA)
	LG ELECTRONICS MOBILE RESEARCH U.S.A. LLC (LGEMR)
	LG ELECTRONICS MOBILECOMM FRANCE S.A.S
	LG ELECTRONICS MOBLECOMM U.S.A., INC.(LGEMU)
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	LG ELECTRONICS NIGERIA LIMITED(LGENI)
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Affiliates-Overseas	LG ELECTRONICS RUS-MARKETING, LLC
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LG HOUSEHOLD & HEALTH CARE AMERICA, INC  
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LG INNOTEK POLAND SP. ZO.O.  
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LG INNOTEK YANTAI CO., LTD  
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LG INTERNATIONAL CORP.(SINGAPORE) PTE. LTD.  
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LG INTERNATIONAL SAUDI LLC  
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LG INTERNATIONAL(DEUTCHLAND) GMBH  
LG INTERNATIONAL(HK) LIMITED  
LG INTERNATIONAL(U.K.) LTD.  
LG LIFE SCIENCES INDIA PVT,LTD  
LG LIFE SCIENCES POLAND, LTD  
LG MICRON(FUJIAN) ELECTRONICS CO.,LTD  
LG MICRON(TAIWAN) LTD.  
LG MITR ELECTRONICS CO., LTD. (LGEMT)  
LG PHILIPS LCD AMERICA INC.  
LG PHILIPS LCD GERMANY GMBH  
LG PHILIPS LCD HONGKONG CO.,LTD  
LG PHILIPS LCD JAPAN CO.LTD.  
LG PHILIPS LCD NANJING CO. LTD  
LG.PHILIPS LCD SHENZEN CO., LTD.  
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LG SOFT INDIA PVT LTD.(LGSi)  
LG SOLID SOURCE, LLC  
LG VINA CHEMICAL J/V COMPANY  
LG VINA COSMETICS  
LG.PHILIPS LCD GUANGZHOU CO., LTD.(LPLGZ)  
LG.PHILIPS LCD POLAND SP. Z O.O.  
LG.PHILIPS LCD SHANGHAI CO., LTD.  
LG-SHAKER CO.,LTD  
MONGOLIA RESOURCES INVESTMENT LIMITED  
NAKHODKA FEZ TELECOMMUNICATIONS CO.LTD.(ROKOTEL)

Affiliates-Overseas

NANJING LG INTERNATIONAL VMI LTD.CO.  
NANJING LG PANDA APPLIANCES CO., LTD. (LGEPN)  
NINGBO LG YONGXING CHEMICAL CO., LTD.  
PHILCO RESOURCES LIMITED  
PT LG CNS INDONESIA  
PT LG ELECTRONICS INDONESIA (LGEIN)  
PT. BATUBARA GLOBAL ENERGY  
PT. GOLDEN HYUNDAI MACHINERY(PT.GHM)  
PT. KIMCO ENERGY UTAMA  
PT. LG INNOTEK INDONESIA  
PT. TUTUI BATUBARA UTAMA  
QINGDAO LG INSPUR DIGITAL COMMUNICATION CO., LTD.  
RESOURCES INVESTMENT (H.K) LIMITED  
SHANGHAI LG ELECTRONICS CO., LTD. (LGESH)  
SILTRON AMERICA, INC.  
TAIZHOU LG ELECTRONIC REFRIGERATION CO.LTD(LGETR)  
TIANJIN LG BOHAI CHEMICAL CO., LTD.  
TIANJIN LG DAGU CHEMICAL CO., LTD.  
TIANJIN LG NEW BUILDING MATERIALS CO., LTD.  
TRIVENI DIGITAL INC.  
V-ENS(M) SDN. BHD.  
ZENITH ELECTRONICS CO. (ZENITH)  
LG CHEM JAPAN CO., LTD.  
LG CHEM (NANJING) NEW ENERGY BATTERY CO., LTD.  
TOKYO OFFICE  
HIGASHI-KAN 16F, AKASKA TWIN TOWER, 17-22, 2-CHOME,  
AKASAKA, MINATOKU, TOKYO, JAPAN  
TEL:+81-3-3584-6545 FAX:+81-3-3224-1545

ISTANBUL OFFICE  
BUYUKDERE CADDESI NUROL PLAZA NO:71 A BLOK KAT:8 MASLAK/  
ISTANBUL TURKEY  
TEL:+90-533-667-2995

HOCHIMINH OFFICE  
8TH FLOOR, YOCO BUILDING, 41 NGUYEN THI MINH KHAI STREET,  
DISTRICT 1 HO CHI MINH VIETNAM  
TEL:+84-8-822-0409 FAX:+84-8-822-0407

NEW DELHI LIAISON OFFICE  
AB-3, SAFDARJUNG ENCLAVE, NEW DELHI-110029 INDIA  
TEL:+91-11-2671-4001 FAX:+91-11-2671-3646

FRANKFURT OFFICE  
LYONER STR 15 ATRICOM CENTER BAUTEIL C 8TH 60528  
FRANKFURT GERMANY  
TEL:+49-69-666-5014 FAX:+49-69-666-4026

JAKARTA OFFICE

Overseas Office

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KAV. 52-53, JAKARTA 12190 INDONESIA  
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MOSCOW OFFICE  
ROOM #1804, OFFICE BLDG., SOVINCENTER 12,  
KRASNOPRESNENSKAYA NAB., MOSCOW 123610, RUSSIA  
TEL:+7-095-258-2335~9 FAX:+7-095-258-2340

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NO. 8 TEMASEK BOULEVARD #27-01, SUNTEC TOWER 3,  
SINGAPORE 038988  
TEL:+65-6333-6090 FAX:+65-6333-6109

BANGKOK OFFICE  
19TH FLOOR, SERMMIT TOWER, 159 ASOKE, SUKHUMVIT 21 ROAD,  
BANGKOK 10110, THAILAND  
TEL:+66-2-665-7417 / 7418 FAX:+66-2-665-7420

Liaison Office  
Overseas Branch  
Joint Venture

LG VINA CHEMICAL JOINT VENTURE CO., LTD.  
(40.00% held by the subject company)  
8TH FLOOR, YOCO BUILDING, 41 NGUYEN THI MINH KHAI STREET,  
DISTRICT 1 HO CHI MINH VIETNAM  
TEL:+84-8-822-1686 FAX:+84-8-822-1685

HL GREEN POWER INC.(135211-0027542)  
(49.00% held by the subject company)

SEETEC CO., LTD.(110111-0589171)  
(50.00% held by the subject company)

CNOOC & LG PETROCHEMICALS CO., LTD.(CHINA)  
(50.00% held by the subject company)

Subsidiary

KLPE LIMITED LIABILITY PARTNERSHIP(KAZAKHSTAN)  
(50.00% held by the subject company)  
FARM HANNONG CO., LTD.(110111-4362482)  
SESIL CORPORATION(110111-0768262)  
FARM CERES CO., LTD.(110111-4649591)  
FARMBIOTEC CO., LTD.(110111-4649814)  
AGROTECH CO., LTD.(110111-4448795)  
FARMPFI CO., LTD.(140111-0049179)  
FARM HWAONG CO., LTD.(161311-0027506)  
SAEMANGUM FARM CO., LTD.(214811-0012909)  
TIANJIN LG DAGU CHEMICAL CO.,LTD.(CHINA)

Subsidiary

NINGBO LG YONGXING CHEMICAL CO.,LTD.(CHINA)  
(75.00% held by the subject company)

NINGBO ZHENHAI LG YONGXING TRADE CO.,LTD.(CHINA)

LG CHEM HK LTD.(HONG KONG)  
(100.00% held by the subject company)

LG CHEM AMERICA, INC.(USA)  
(100.00% held by the subject company)

LG CHEMICAL INDIA PVT. LTD.(INDIA)  
(100.00% held by the subject company)

LG POLYMERS INDIA PVT. LTD.(INDIA)

LG CHEMICAL (GUANGZHOU) ENGINEERING PLASTICS  
CO.,LTD.(CHINA)  
(100.00% held by the subject company)

LG CHEM (NANJING) INFORMATION & ELECTRONICS MATERIALS  
CO., LTD.(CHINA)  
(81.00% held by the subject company)

LG CHEM (TAIWAN), LTD.(TAIWAN)  
(100.00% held by the subject company)

LG CHEM DISPLAY MATERIALS (BEIJING) CO.,LTD.(CHINA)  
(90.00% held by the subject company)

TIANJIN LG BOHAI CHEMICAL CO.,LTD.(CHINA)  
(68.00% held by the subject company)

TIANJIN LG BOTIAN CHEMICAL CO.,LTD.(CHINA)  
(41.00% held by the subject company)

LG CHEM (CHINA) INVESTMENT CO.,LTD.(CHINA)  
(100.00% held by the subject company)

Subsidiary

LG CHEM (TIANJIN) ENGINEERING PLASTICS CO.,LTD.(CHINA)  
(90.00% held by the subject company)

LG CHEM EUROPE GMBH(GERMANY)  
(100.00% held by the subject company)

LG CHEM POLAND SP. Z O.O.(POLAND)  
(100.00% held by the subject company)

LG CHEM MICHIGAN INC.(USA)  
(100.00% held by the subject company)

LG CHEM POWER INC.(USA)

(100.00% held by the subject company)

LGC PETROCHEMICAL INDIA PRIVATE LTD.(INDIA)  
(100.00% held by the subject company)

HAENGBOKNURI CO., LTD.(150111-0172829)  
(100.00% held by the subject company)

LG CHEM TK KIMYA SANAYI VE TIC. LTD. STI.(TURKEY)  
(100.00% held by the subject company)

LG CHEM JAPAN CO.,LTD.(JAPAN)  
(100.00% held by the subject company)

LG NANO H<sub>2</sub>O, INC.(USA)  
(100.00% held by the subject company)

NANO H<sub>2</sub>O SINGAPORE PRIVATE LTD.(SINGAPORE)

NANO H<sub>2</sub>O (JIANGSU) WATER PROCESSING TECHNOLOGY CO.  
LTD.(CHINA)

LG CHEM (NANJING) NEW ENERGY BATTERY CO., LTD.(CHINA)  
(50.00% held by the subject company)

LG CHEM (CHONGQING) ENGINEERING PLASTICS CO., LTD.(CHINA)  
(100.00% held by the subject company)

LG CHEM(HUIZHOU) PETROCHEMICAL CO., LTD.(CHINA)  
(70.00% held by the subject company)

Corporate Ownership  
Major Shareholders

LG CORP.  
LG TWIN TOWER, 20 YOIDO-DONG, YONGDUNGPO-GU, SEOUL 150-  
721 KOREA  
TEL:+82-2-3773-2042 FAX:+82-2-3773-2100  
INDUSTRY: HOLDING COMPANIES

Cooperative Enterprise

-Technical Support from  
STYRON EUROPE GMBH  
EXXONMOBIL(USA)

-Brand License Agreement with  
LG CORP.(110111-0003543)

**SALES BY REGION (ACTIVITY & MARKETS)**

Sales/ Unit :Mil KRW	09/2011	2010	2009
Export	10,820,712	12,195,451	9,918,759

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**LG CHEM LTD. - 518773**

**PAGE NO. : 24**

Domestic	6,256,027	7,275,999	5,602,054
Total	17,076,739	19,471,450	15,520,813

The Subject exports to North America, Asia Africa and Europe.

## **COURT ACTION**

Case No.	Court	Plaintiff(s)/ Creditor(s)/ Applicant(s)	Defendant(s) / Debtor(s)/ Respondent(s)	Cause	Amount (Million KRW)	Status
			The Subject Company(8 Cases)	Price Collusion on secondary cell battery	-	Proceeding

Except for the above cases, there are 14 cases filed as Plaintiff(s)/ Creditor(s)/ Applicant(s) amounting 22,516,000,000 KRW, and 11 cases filed as Defendant(s)/ Debtor(s)/ Respondent(s) amounting 57,447,000,000 KRW as of 12/31/2017.

## **NEWS CLIPPING**

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**FOREIGN EXCHANGE RATES**

Currency	Unit	Indian Rupees
US Dollar	1	INR 68.75
UK Pound	1	INR 91.07
Euro	1	INR 80.48
KRW	1	INR 0.062

**Note :** Above are approximate rates obtained from sources believed to be correct

**INFORMATION DETAILS**

<b>Analysis Done by :</b>	DIV
<b>Report Prepared by :</b>	TRU

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**RATING EXPLANATIONS**

Credit Rating	Explanation	Rating Comments
A++	Minimum Risk	Business dealings permissible with minimum risk of default
A+	Low Risk	Business dealings permissible with low risk of default
A	Acceptable Risk	Business dealings permissible with moderate risk of default
B	Medium Risk	Business dealings permissible on a regular monitoring basis
C	Medium High Risk	Business dealings permissible preferably on secured basis
D	High Risk	Business dealing not recommended or on secured terms only
NB	New Business	No recommendation can be done due to business in infancy stage
NT	No Trace	No recommendation can be done as the business is not traceable

NB is stated where there is insufficient information to facilitate rating. However, it is not to be considered as unfavourable.

This score serves as a reference to assess SC's credit risk and to set the amount of credit to be extended. It is calculated from a composite of weighted scores obtained from each of the major sections of this report. The assessed factors are as follows:

- Financial condition covering various ratios
- Company background and operations size
- Promoters / Management background
- Payment record
- Litigation against the subject
- Industry scenario / competitor analysis
- Supplier / Customer / Banker review (wherever available)