

JAIN IRRIGATION SYSTEMS LIMITED (JISL)

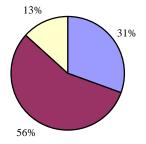
March 20, 2007 STRONG BUY CMP: Rs407 Target Price: Rs680 (March 09) Initiating Coverage

Bloomberg Code -BSE	JI IN
-DSL	31 11 1
Sensex	12,645
52weekH/L (Rs)	463/177
Monthly H/L(Rs)	463/399
6 Mth Avg Vol	76,823
MktCap(RsMM)	23,773
EV (Rs MM)	28,526
Valuation Paramete	rs (FY09)
EV/EBITDA	7.9
MktCap/EBITDA	6.6
EV/Sales	1.5
Mkt Cap/Sales	1.2

Incorporated in 1986, Jain Irrigation Systems Limited (JISL) is one the
largest agri-business companies in India. JISL's business model circles around
the agriculture sector with the company operating across the whole spectrum
from input to final output. Its products range from micro irrigation systems to
agro processing. The company is a market leader in most of the segments and
is well placed to take advantage of the several initiatives taken by the
government on the agricultural side and the recent infrastructure boom.

JISL has been on a growth trajectory and we expect the company to show a 34.3% CAGR over FY05-09. We estimate its FY07 sales to grow by a robust 40% and PAT to grow by 70.6% with a 120 bps expansion of EBIDTA margins. Going forward we expect this trend to continue and project sales of Rs15,392.5 (growth of 28%) in FY08 and a PAT growth of 24%.

Shareholding Pattern



■ Promoters■ Institutions■ Public

INVESTMENT RATIONALE

- Organic & Inorganic Growth: In order to capitalize on the market opportunities, JISL is already working to increase capacities across the board. The company has also been acquiring companies to enhance capacity and consumer base. With these capacities coming in, JISL is likely to become the biggest player in its segment.
- Business Model: JISL has a diversified product portfolio with product offerings throughout the agri-business supply chain. Besides products in the agri sector, JISL is also a major manufacturer of piping systems.
- *MIS*: The government has taken several initiatives in the MIS segment and JISL will be able to fully leverage its capabilities to capture the potential.
- *Piping Systems:* JISL dominates the piping systems segment, being one of the largest PE and PVC pipe manufacturers. With India on an infrastructure boom this segment is expected to show a substantial increase in sales.
- *Food Processing*: JISL's agro processing business caters mainly to industrial clients. With a growing policy thrust on food processing and large corporates entering the market, we believe JISL has a lucrative opportunity ahead.

						Equity		
Year End	Net Sales	EBIDTA	EBIDTA%	PAT	PAT%	Capital	EPS	P/E
FY06(A)	8,589.0	1376.4	16.0	671.7	7.7%	583.5	11.5	-
FY07 (E)	12,031.4	2073.4	17.2	1,146.0	9.5%	584.1	19.6	20.7
FY08(E)	15,392.5	2768.5	18.0	1,423.3	9.2%	584.1	24.4	16.7
FY09(E)	19,647.8	3630.8	18.5	1,998.3	10.1%	584.1	34.2	11.9

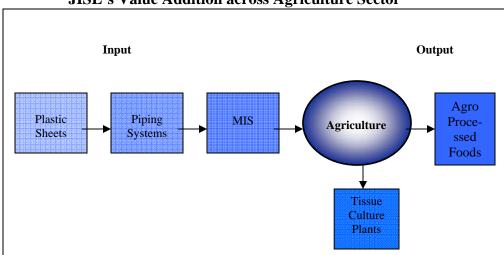


BUSINESS OVERVIEW

Jain Irrigation Systems Limited (JISL) is a vertically integrated agriculture company operating in diverse segments of the agro-business supply chain. The company was incorporated in 1986 and since then has slowly and steadily grown each of its business segments. It is the undisputed leader in the drip irrigation segment and has a strong presence in all its other business segments.

JISL's future prospects and potential is largely dependent on the performance of the Indian agricultural sector. The India economy is poised to grow at a robust 9.2% in 2006-07 with the share of agriculture to GDP estimated at 18.5%. At a growth of agriculture at only 2.7% in 2006-07, on a base of 6% growth in the previous year could be a cause of concern; however the Government plans on putting together a strategy to achieve 4.0% growth in the agriculture sector.

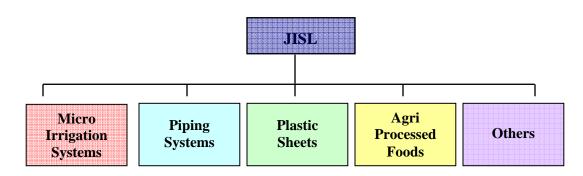
The government's thrust on agriculture in the budget (2006-07) holds a large potential for the entire sector. The Union Budget lays emphasis under Bharat Nirman and the Flagship project that an additional irrigation potential of 2,400,000 hectares is to be created. Also with regard to Fertiliser Subsidies, a pilot programme is to be implemented for delivering subsidy directly to the farmers. These initiatives taken by the government will further boost JISL's future business prospects and potential.



JISL's Value Addition across Agriculture Sector



The table below outlines the various segments JISL operates in:-



Micro Irrigation Systems (MIS)

Micro & Sprinkler Irrigation economize the use of water and increase productivity per unit of water. The total size of the sprinkler and drip irrigation industry is well over Rs2,500 MM with sprinkler irrigation contributing around 80% and drip contributing around 20%. The government's focus on agriculture with initiatives like Bharat Nirman and the Flagship project bode well for this segment's growth to achieve new highs.

MIS division concentrates on improving Water Use Efficiency (WUE) in Indian agriculture. Drip irrigation is based on irrigating the root zone of the crop rather than the entire surface area. Under MIS the WUE shoots up to 85% and crop yield is 40% better. Currently only a little over 1.2 MM hectares of the total 53 MM hectares have the facility of MIS.

JISL has the capability of addressing the huge potential available in the Indian agricultural sector. The company is the undisputed leader in this segment with drip irrigation systems installed across 5,00,000 hectares.

We believe MIS will grow the fastest amongst all the business segments in JISL. With a strong presence in the rural areas JISL should be able to capture the vast opportunity available in the market.

Currently (FY06) 23.5% of the company's revenues are derived from this segment. The segment also has strong EBIDTA margins ranging between 23-26%. MIS has been growing at a 75% CAGR over the last three years and we believe this trend will continue.



Piping Systems

The piping systems industry is largely dominated by the unorganized sector; JISL is among the three largest organized players in India. The industry produces nearly 0.5 MM tpa of PE and PVC pipes in India for usage in infrastructure growth – roads, ports, water supply etc. The customer base for the organized sector is on a growth trajectory with increased number of institutional sales.

PVC Pipes

PVC pipes are largely used in applications like water supply, water transportation etc. India is at the cusp of an infrastructure boom and projects like Bharat Nirman Yojana (which includes drinking water supply to all the villages) would be the major growth driver for the industry.

The product segment contributed 22% to FY06 revenues with EBIDTA margins around 7-10%. We believe that with several projects initiated by the government and retail PVC business growth in major states like Maharashtra, Karnataka and MP, this business is bound to show higher volume and value growth in revenues.

PE Pipes

PE piping has several sub segments like cable ducting, gas distribution, dust suppression etc. The continuing telecom expansion and expansion of drinking water distribution under government schemes like Swajaldhara Yojana and Bharat Nirman Yojana will mean increased demand for the PE piping products besides the

JISL is the market leader in gas PE pipes with a market share of 60% and also has a major share in duct pipes. The company intends to focus more on turnkey projects by itself or in collaboration with other bidders.

This segment showed a tremendous growth in FY06, a 142% increase in tonnage and 177% growth in revenues. With the awareness of PE piping systems increasing; this segment is expected to show robust growth.

Plastic Sheets

PC Sheets

JISL has tied up with GE India Industrial Pvt. Limited for manufacturing of PC sheets. The company has plans to introduce new products and increase capacity utilization in this segment.



In FY06 the average price realizations went up by 25% for this segment. Though this segment is a relatively small section the business continues to be steady and is growing at a decent pace (18.8% in FY06).

For PC sheet business, the domestic & export business contributed almost equally in FY06 revenues.

PVC Sheets

The demand (US\$450 MM) for PVC sheets segment is growing globally at 7% on account of replacement of lumber. PVC Sheets have multiple applications like advertising signs and displays, refrigeration insulation, marine applications and construction. Home building is the biggest demand driver for PVC Sheets

PVC Sheets are a major export product especially to the US and Europe. The growth in the house building industry across the world augurs well for this division's business.

Agro Processing

The food processing industry is one of the largest industries in India, ranked fifth in terms of production, consumption, export and expected growth. The Confederation of Indian Industry (CII) has estimated that the food processing sector has the potential of attracting US\$33 Bn of investment in the next 10 years.

India is the largest producer of fruits and second largest producer of vegetables in the world. The total production of fruits in the world is around 370 MM MT, of which India accounts for 32 MM MT and current production level of vegetables in India is over 7 MM MT which is 5% of global output. Despite contributing a substantial portion, the commercial production of vegetables and fruit processing in India is abysmally low when compared globally.

Fruit Processing

Fruit processing capacity in India stands at just 4% of the fruit produced as compared to 70% in Brazil, 70% in USA and 80% in Malaysia. However, with changing habits of the consumers (growing shift towards packaged foods and modern retail formats) and a growing thrust by Government towards food processing business, this space is expected to witness significant changes and offers vast opportunity.



The demand for Fruit Purees and Concentrates (i.e. Juice market) has almost doubled with major FMCG companies offering products at affordable prices and concentrating on increasing distribution.

The highest growth promise in the industrial segment is held out by the processed fruit business at present. With the acquisitions of Terra Agro & Parle Bisleri, JISL is possibly the largest mango processor in the country today having processed 50,000 MT mangoes in 2006.

Onion & Vegetable Dehydration

The Indian onion dehydration industry has grown rapidly to become the second largest producer. JISL deals with nearly 40% of the total exports of dehydrated Onions from India. JISL's added capacity helped the company to augment production. With a view to becoming a true global player JISL successfully developed contract cultivation of high solid onions, resulting in improved profitability (growth of 4%)

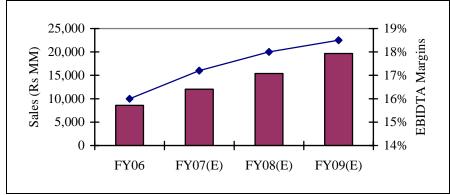


INVESTMENT HIGHLIGHTS

Robust Growth in Sales & EBIDTA Margins

JISL operates in a market which is largely dominated by the agriculture sector. On the back of several government initiatives and the overall infrastructure boom we expect JISL to show a 28% CAGR over the next few years. The company's continual efforts to expand its business and improve efficiencies will help it achieve a growth in EBIDTA margins by 80 to130 bps. Further more, a sharp reduction in interest costs from FY08 will improve overall profitability.





• Organic & Inorganic Expansion

Over the past few years JISL has been growing organically as well as inorganically. The company has under taken several capacity expansion plans for its units. The table below shows the company's recent capacity expansions.

Products		Installed Capacity			
	Unit	FY05	FY06		
MIS					
Polytube and Laterals	MT	11,400	15,400		
Injection Moulded Components	MT	2,200	2,805		
Piping System:					
PVC Pipes & Fittings	MT	35,600	52,150		
HDPE Pipes and fittings	MT	14,850	41,120		
Plastic Sheets:					
PVC Sheets	MT	21,780	28,000		
Agro processing:					
Dehydrated Onions & Vegetables	MT	3,500	7,800		
Fruit Puree & Concentrate	MT	28,900	48,500		
Tissue Culture plants	No's	7,500,000	10,000,000		

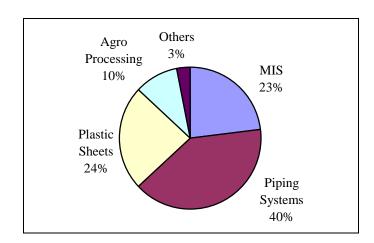


The company has also been growing inorganically and the table below shows few of JISL's recent acquisitions.

Company	Business Segment
Aquaruius Brands Inc	Irrigation products
Terra Agro	Vegetable dehydration
Parle Bisleri Pvt Ltd (Mango processing unit)	Fruit processing
7.5% of Eurodrip	Drip irrigation
51% stake in NuCedar Mills	PVC sheets
Chapin Watermatics	Drip irrigation

Diversified Business Model

JISL, though very dependent on the agriculture sector, has a diversified product portfolio. Apart from pipes and plastic sheets, most of its products are in the agri-business supply chain, yet the product portfolio is so vast that its customer base is spread out over several categories. On the input side, the company supplies sprinkler and drip irrigation products while on the output side it has agro-processing.



FY06 Segment Revenues

• Opportunity Areas - Agriculture & MIS

Agriculture is an important driver of macroeconomic behavior in India. The Eleventh plan aims to achieve a 4% growth in agriculture against 2.7% achieved in 2006-07. With several initiatives taken on the agriculture, JISL will be able to fully leverage its capabilities to take advantage of the growing segments. The estimated potential of MIS in the country is 42.5 MM hectares. The outlay proposed for covering 2 Million hectare under micro/ sprinkler irrigation during the Tenth Plan Period will be Rs7.6 Bn. JISL is the largest player in the agri-



business in India and is thus bound to benefit hugely from all the government's initiatives.

JISL's strong presence in the rural areas, integrated manufacturing operations and extensive distribution network positions JISL to capitalize upon India's micro irrigation opportunity. JISL has a 40% market share in the MIS market and markets its products under the brand - *Jain Drip*.

Harnessing its Strength - Pipes

JISL dominates the piping systems segment, being the largest PE pipes manufacturer and the second largest PVC pipe manufacturer. The company has a strong customer base and has taken up several projects for MTNL, IVRCL and Indraprastha Gas. This segment is piggy-back riding on the infrastructure wave in India. With JISL dominating a large part of the market we believe that this segment will show a substantial increase (both in volume and average realizations) in revenues. We expect this segment to show a growth of 20-25% for the coming years.

• Growth in Food processing

A large part of a shift in consumption is driven by the processed food market, which accounts for 32% of the total food market.

JISL's fruit processing and vegetable dehydration business caters mainly to industrial clients. The company is one of India's largest fruit and vegetable processing company and caters to players like Coke etc. One-third of the company's produce is exported to global markets and caters to players like Nestle and Culinar.

With corporates like ITC, Bharti-Walmart and Reliance entering the agri space and the growing policy thrust on food processing (priority sector status), we expect the industry to be a lucrative opportunity.

While the food processing business contributes just 10% to JISL's revenues, the opportunity is significantly large.

Increasing Exports

The company's principal exports consist of PVC Sheets and agro-processed food items. In FY06 33.4% sales came from exports. With a strong product line the company expects exports to touch Rs7,860 MM by FY09 as against Rs2,867 in FY06. This will contribute to 40% of FY09 sales.



RISKS & CONCERNS

- A slowdown in agricultural growth or a drought, leading to lower incomes in the hands of the farmers could pose as a threat to the company's business growth.
- An unfavorable Re/US\$ rate could negatively impact sales & profitability.

VALUATION

At the current stock price of Rs407, JISL's projected FY07 EPS of Rs19.6 is discounted 20.7x and projected FY08 EPS of Rs24.4 is discounted 16.7x. We recommend a 'STRONG BUY' on JISL with a price target of Rs680 by March 09



Annexure I: Profit & Loss A/c

Particulars	FY05	FY06	FY07(E)	FY08(E)	FY09(E)
Net Sales	6,048.1	8,589.0	12,031.4	15,392.5	19,647.8
Total Income	6,099.3	8,765.4	12,106.4	15,482.5	19,749.8
Cost of Materials Consumed, Purchases	3,833.8	5,411.9	7,550.0	9,650.0	12,300.0
Manufacturing Expenses	406.2	610.4	858.0	1,019.0	1,252.0
Payments to & Provisions for Employees	242.6	300.8	400.0	500.0	600.0
Selling & Distribution Expenses	436.6	622.1	825.0	1,055.0	1,365.0
Administration & Other Expenses	190.0	267.4	325.0	400.0	500.0
Total Expenditure	5,109.1	7,212.6	9,958.0	12,624.0	16,017.0
PBDIT	938.9	1,376.4	2,073.4	2,768.5	3,630.8
(% net sales)	15.5%	16.0%	17.2%	18.0%	18.5%
Interest & Finance Charges	444.1	471.1	575.0	399.3	376.9
PBDT	494.8	905.3	1,498.4	2,369.3	3,254.0
(% net sales)	8.2%	10.5%	12.5%	15.4%	16.6%
Less: Amounts w/o & provisions	3.8	179.5			
Depreciation	220.0	262.6	300.0	335.0	389.0
PBT (Ops)	271.0	463.2	1,198.4	2,034.3	2,865.0
(% net sales)	4.5%	5.4%	10.0%	13.2%	14.6%
Other Income	51.2	176.4	75.0	90.0	102.0
Profit before Tax and Prior Period					
Items	322.3	639.6	1,273.4	2,124.3	2,967.0
(% net sales)	5.3%	7.4%	10.6%	13.8%	15.1%
Extra Ordinary (Net)	-	-52.0	-	-	-
PBT and after Prior Period Items	322.3	691.6	1,273.4	2,124.3	2,967.0
(% net sales)	5.3%	8.1%	10.6%	13.8%	15.1%
Tax Expense:	1.7	19.9	127.3	701.0	979.1
(% tax)	0.5%	2.9%	10.0%	33.0%	33.0%
Net Profit after Tax	324.0	671.7	1,146.0	1,423.3	1,987.9
(% total income)	5.3%	7.7%	9.5%	9.2%	10.1%



Annexure II: Balance Sheet

Particulars	FY05	FY06	FY07(E)	FY08(E)	FY09(E)
SOURCES OF FUNDS:					. ,
Share Capital	1,518.8	1,494.4	1,494.4	1,494.4	1,494.4
Reserves Total	1,765.6	2,043.5	4,060.6	6,205.8	8,347.0
Total Shareholders Funds	3,284.4	3,537.9	5,555.0	7,700.2	9,841.4
Secured Loans	2,950.2	4,017.0	5,175.7	4,154.3	4,747.8
Unsecured Loans	371.7	2,728.3	2,728.6	2,681.0	5.0
Total Debt	3,321.9	6,745.3	7,904.3	6,835.3	4,752.8
Total Liabilities	6,606.3	10,283.2	13,459.2	14,535.5	14,594.2
APPLICATION OF FUNDS :					
Gross Block	5,051.6	6,293.0	6,793.0	7,193.0	7,393.0
Less : Accumulated Depreciation	1,934.2	2,348.2	2,648.2	2,983.2	3,372.2
Net Block	3,117.4	3,944.8	4,144.8	4,209.8	4,020.8
Lease Adjustment	0.0	0.0	0.0	0.0	0.0
Capital Work in Progress	100.2	418.0	500.0	300.0	250.0
Investments	82.0	826.0	1,200.0	1,400.0	1,000.0
Current Assets, Loans & Advances	1 5 4 2 7	1 027 2	2.500.0	2.250.0	2,000,0
Inventories Sandar Dalace	1,543.7	1,837.3	2,500.0	3,250.0	3,900.0
Sundry Debtors	2,244.3	2,830.6	4,250.0	5,500.0	6,486.2
Cash and Bank	112.8	2,261.9	4,723.1	4,375.7	3,787.1
Loans and Advances	764.8	815.0	1,000.0	1,200.0	1,500.0
Total Current Assets	4,665.6	7,744.8	12,473.1	14,325.7	15,673.3
Less : Current Liabilities and Provisions					
Current Liabilities	2,060.0	3,073.5	5,100.0	6,500.0	7,500.0
Provisions Provisions	42.1	307.2	500.0	600.0	650.0
Total Current Liabilities	2,102.1	3,380.7	5,600.0	7,100.0	8,150.0
Total Carrent Diagnities	2,102.1	0,000	2,00010	7,100.0	0,12010
Net Current Assets	2,563.5	4,364.1	6,873.1	7,225.7	7,523.3
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Miscellaneous Expenses not written off	0.0	0.0	10.0	12.0	15.0
•					
Net Deferred Tax	743.2	730.3	741.3	1,400.0	1,800.0
Total Assets	6,606.3	10,283.2	13,459.3	14,535.5	14,594.2



Annexure III: Cash Flow Statement

Particulars	FY05	FY06	FY07(E)	FY08(E)	FY09(E)
Cash Flow from Operating Activities					
Net Profit before Tax & Extraordinary Items	322.3	639.6	1,273.4	2,124.3	2,967.0
Adjustment For					
Depreciation	220.0	262.6	300.0	335.0	389.0
Interest (Net)	444.1	471.1	575.0	399.3	376.9
P/L on Sales of Assets	-1.6	-34.9	-50.0	-73.0	-85.0
Prov. & W/O (Net)	51.6	104.6	50.0	55.0	53.0
Sundry Cedit Balances appropriated		-2.3	-5.0	-7.0	-10.0
Dividend Income		0.0	0.0	0.0	0.0
Total Adjustments (PBT & Extraordinary Items)	714.1	801.1	870.0	709.3	723.9
Op. Profit before Working Capital Changes	1,036.4	1,440.7	2,143.4	2,833.5	3,690.8
Adjustment For		•	·	·	
Trade & 0th receivables	-638.8	-616.9	-662.7	-750.0	-650.0
Inventories	-461.0	-454.1	-293.6	-662.7	-750.0
Trade Payables	416.3	1,021.6	2,026.5	1,400.0	1,000.0
Loans & Advances & Others	-42.3	-256.8	-185.0	-200.0	-300.0
Cash generated from operations	-725.8	-306.2	885.2	-212.7	-700.0
Cash Generated from/(used in) Operations	310.6	1,134.5	3,028.6	2,620.8	2,990.8
Direct Taxes Paid	0.2	-11.7	-127.3	-701.0	-979.1
Cash Flow before Extraordinary Items	310.8	1,122.8	2,901.2	1,919.8	2,011.7
Premium paid on redemption of NCD & Pref Shares	-16.2	-28.0	0.0	0.0	0.0
Extraordinary Expenses		41.0	0.0	0.0	0.0
Net Cash From Operating Activities	294.6	1,135.8	2,901.2	1,919.8	2,011.7
Cash Flow from Investing Activities					
Investment in Assets:					
Purchased of Fixed Assets	-368.2	-1,119.1	-500.0	-400.0	-200.0
Sale of Fixed Assets	2.2	46.2	50	55	40
Purchase of Investments	0.0	-744.0	-374.0	-200.0	400.0
Net Cash Used in Investing Activities	-271.9	-1,800.0	-799.0	-515.0	275.0
Cash Flow From Financing Activities					
Proceeds:					
Proceeds from Issue of shares (incl share premium)	547.6	0.0	0.0	0.0	0.0
Proceed from Other Long Term Borrowings	172.2	1,067.1	1,158.7	-1,021.4	593.6
Proceed from Short Tem Borrowings	0.0	2,356.6	0.3	-47.6	-2,676.0
Interest Paid	-466.7	-490.4	-600.0	-429.3	-411.9
Others	-300.9	-119.9	-200.0	-254.0	-381.0
Net Cash Used in Financing Activities	-47.8	2,813.4	359.0	-1,752.3	-2,875.3
Cash and Cash Equivalents at Beginning of the year	137.9	112.8	2,262.0	4,723.1	4,375.7
Cash and Cash Equivalents at End of the year	112.8	2,262.0	4,723.1	4,375.7	3,787.1
Cash and Cash Eduivalents at End of the year	112.0	4.407.0	4, 1, 4, 1, 1	4, 17.1.7	.)./()/.!



Annexure IV: Ratios

Key Ratios	FY05	FY06	FY07 (E)	FY08(E)	FY09(E)
Current Ratio	2.2	2.3	2.2	2.0	1.9
Acid Test Ratio	1.5	1.7	1.8	1.6	1.4
Cash Ratio	0.0	0.3	0.4	0.3	0.2
Debt: Equity	0.9	1.1	0.9	0.5	0.5
Debt : Asset	0.5	0.7	0.6	0.5	0.3
Interest Coverage Ratio	1.6	2.4	3.1	6.1	8.6
Inventory Turnover	3.2	3.8	3.9	3.8	4.0
Debtors Turnover	2.7	3.0	2.8	2.8	3.0
Debtor Days	135.4	120.3	128.9	130.4	120.5
Fixed Assets Turnover	1.9	2.2	2.9	3.7	4.9
Sales: Net WC	2.4	2.0	1.8	2.1	2.6
Operating Profit Margin	15.5%	16.0%	17.2%	18.0%	18.5%
Gross Profit Margin					_
Net Profit Margin	5.3%	7.7%	9.5%	9.2%	10.1%
ROA	4.9%	6.5%	8.5%	9.8%	13.6%
Earning Power	10.9%	10.8%	13.2%	16.7%	22.2%
ROCE	16.0%	16.1%	22.6%	32.7%	50.3%

(A) Audited; (E) Estimated



STOCK OWNERSHIP / CONFLICT DISCLOSURE

Prime / Prime Subsidiaries	No
Key Prime Management &/or Other Employees	No
Any Other Corporate Finance Conflict of Interest	No

CONTACT NUMBERS

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