

## **APL Apollo Tubes**

Estimate change	<b>←</b>
TP change	<b>←</b>
Rating change	$\leftarrow$

Bloomberg	APAT IN
Equity Shares (m)	250
M.Cap.(INRb)/(USDb)	444.8 / 5.3
52-Week Range (INR)	1806 / 988
1, 6, 12 Rel. Per (%)	1/28/41
12M Avg Val (INR M)	858

#### Financials & Valuations (INR b)

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Y/E Mar	2023	2024E	2025E					
Sales	161.7	198.4	264.1					
EBITDA	10.2	14.3	21.0					
PAT	6.4	9.1	14.4					
EBITDA (%)	6.3	7.2	7.9					
EPS (INR)	23.1	32.9	51.9					
EPS Gr. (%)	15.2	42.1	57.9					
BV/Sh. (INR)	108.4	136.3	182.2					
Ratios								
Net D/E	0.2	0.0	-0.2					
RoE (%)	24.4	26.9	32.6					
RoCE (%)	20.6	23.7	30.4					
Payout (%)	15.1	15.2	11.6					
Valuations								
P/E (x)	69.3	48.7	30.9					
EV/EBITDA (x)	44.0	31.2	20.6					
Div Yield (%)	0.2	0.3	0.4					
FCF Yield (%)	-0.1	1.4	3.2					

#### Shareholding pattern (%)

As on	Sep-23	Jun-23	Sep-22
Promoter	29.7	30.6	34.5
DII	12.7	12.7	10.9
FII	28.7	25.1	24.7
Others	29.0	31.6	29.9

Note: FII includes depository receipts

CMP: INR1,604 TP: INR1,930 (+20%) Buy

# Healthy volume and Raipur plant ramp-up drive earnings

#### Earnings in line with our estimate

- APL Apollo Tubes (APAT) reported another quarter of healthy volume growth at ~12% YoY to 675KMT. APAT's EBITDA/MT jumped 25% YoY in 2QFY24 aided by operating leverage and 18% YoY improvement in gross profit/MT. The value added product (VAP) mix sustained at ~55% in 2QFY24 underpinned by a gradual ramp up of the Raipur plant.
- We maintain our FY24/FY25 earnings estimates and value the stock at 33x Sep'25E EPS to arrive at our TP of INR1,930. Reiterate BUY.

#### Strong EBITDA/MT aids operating performance

- Consolidated revenue grew 17%/2% YoY/QoQ to INR46.3b (in line with est.) in 2QFY24, led by healthy volume growth (up 12%/2% YoY/QoQ to 675KMT). Realization improved 4% YoY while it was flat on a sequential basis at INR68,600/MT during the quarter.
- Gross profit/MT grew 18% YoY and 3% QoQ to INR9,662. EBITDA/MT grew 25% YoY and 4% QoQ to INR4,817 in 2QFY24.
- The share of VAP stood at 55% in 2QFY24 v/s 54% in 2QFY23 and 57% in 1QFY24.
- EBITDA grew 40% YoY and 6% QoQ to INR3.25b (est. of INR3.3b) in 2Q.
- Adjusted PAT grew 35% YoY and 5% QoQ to INR2b (est. of INR2.1b).
- For 1HFY24, revenue/EBITDA/Adj. PAT grew 24%/48%/46% YoY to INR91.8b/INR6.3b/INR4b.

#### Highlights from the management commentary

- **Demand scenario**: Volume off-take was a little soft in Oct'23 due to the festive season. However, management expects the demand to bounce back from the second half of Nov'23.
- **Guidance**: Management has guided for a sales volume of ~2.8MMT in FY24, with EBITDA/MT to be in the range of INR4,500-5,500. It aims to scale sales volume to ~5MMT by FY26E with an EBITDA/MT of ~INR6,000.
- The **Raipur plant** achieved capacity utilization of ~28% in 2QFY24 with an EBITDA/MT of ~INR5,000. APAT expects utilization to improve to ~40% in 3QFY24. It expects EBITDA/MT to reach ~INR6,000-7000 going ahead.

#### Valuation and view

- The incremental capacity from upcoming plants and debottlenecking, along with the addition of high-margin products from the Raipur unit, should result in strong volume growth and margin expansion going ahead.
- We expect a revenue/EBITDA/PAT CAGR of 28%/43%/50% over FY23-25.
- We maintain our FY24/FY25 earnings estimates and value the stock at 33x Sep'25E EPS to arrive at our TP of INR1,930. Reiterate BUY.

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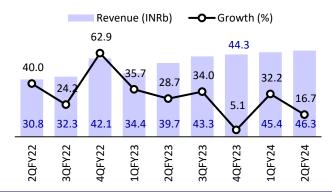
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Consolidated - Quarterly Earning Model									(INR m)			
Y/E March		FY	23			FY	24		FY23	FY24	FY24E	Var
	1Q	2Q	3Q	4Q	1Q	2Q	3QE	4QE			2QE	%
Gross Sales	34,386	39,692	43,271	44,311	45,449	46,304	51,460	55,203	1,61,660	1,98,416	46,247	0
YoY Change (%)	35.7	28.7	34.0	5.1	32.2	16.7	18.9	24.6	23.8	22.7	16.5	
Total Expenditure	32,446	37,373	40,543	41,082	42,377	43,054	47,812	50,896	1,51,444	1,84,139	42,939	
EBITDA	1,939	2,319	2,729	3,229	3,072	3,250	3,647	4,307	10,216	14,277	3,308	-2
Margins (%)	5.6	5.8	6.3	7.3	6.8	7.0	7.1	7.8	6.3	7.2	7.2	
Depreciation	294	276	345	468	409	413	480	500	1,383	1,803	450	
Interest	100	136	186	249	271	266	250	240	671	1,028	260	
Other Income	83	116	93	180	217	196	200	210	472	823	180	
PBT before EO expense	1,629	2,023	2,290	2,692	2,608	2,767	3,117	3,777	8,633	12,269	2,778	
Extra-Ord expense	0	0	0	0	0	0	0	0	0	0	0	
PBT	1,629	2,023	2,290	2,692	2,608	2,767	3,117	3,777	8,633	12,269	2,778	
Tax	422	521	598	673	672	738	785	951	2,215	3,145	699	
Rate (%)	25.9	25.7	26.1	25.0	25.8	26.7	25.2	25.2	25.7	25.6	25.2	
Minority Interest & Profit/												
Loss of Asso. Cos.	0	0	0	0	0	0	0	0	0	0	0	
Reported PAT	1,207	1,502	1,692	2,018	1,936	2,029	2,333	2,826	6,419	9,124	2,079	
Adj PAT	1,207	1,502	1,692	2,018	1,936	2,029	2,333	2,826	6,419	9,124	2,079	-2
YoY Change (%)	-28.4	2.8	32.3	14.3	60.5	35.1	37.9	40.0	3.7	42.1	38.4	
Margins (%)	3.5	3.8	3.9	4.6	4.3	4.4	4.5	5.1	4.0	4.6	4.5	

Y/E March	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24
Segment Volumes ('000 MT)					
Apollo Structural					
Big Section	41	46	39	45	51
Super Heavy Section	0	0	2	4	5
Light Structures	109	132	108	112	113
General Structures	276	264	299	282	301
Apollo Z - Rust-proof structures	137	125	163	170	144
Apollo Z- Coated Products	12	10	10	19	29
Apollo Galv - Agri/Industrial	27	28	27	30	32
TOTAL	602	605	650	662	675
Value Added Products	326	341	350	381	374
Segment EBITDA/MT (INR/MT)					
Apollo Structural					
Big Section	6,926	7,568	8,437	7,618	8,481
Super Heavy Section			9,604	8,777	8,777
Light Structures	5,344	4,059	6,256	5,775	6,258
General Structures	1,388	2,284	2,579	2,252	2,152
Apollo Z - Rust-proof structures	6,816	7,492	7,327	6,749	6,721
Apollo Z- Coated Products	9,401	3,146	4,424	4,044	7,472
Apollo Galv - Agri/Industrial	4,966	5,659	6,780	6,196	7,196
Cost Break-up					
RM Cost (% of sales)	88%	87%	85%	86%	86%
Employee Cost (% of sales)	1%	1%	1%	1%	1%
Other Cost (% of sales)	5%	5%	6%	6%	6%
Gross Margins (%)	12%	13%	15%	14%	14%
EBITDA Margins (%)	6%	6%	7%	7%	7%

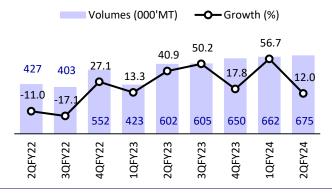
### **Key Exhibits**

**Exhibit 1: Consolidated revenue trend** 



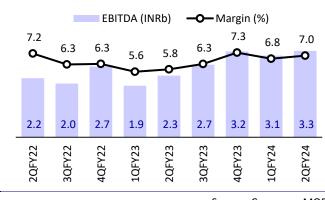
Source: Company, MOFSL

**Exhibit 2: Volume trend** 



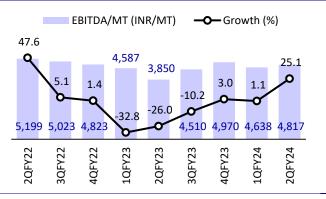
Source: Company, MOFSL

**Exhibit 3: Consolidated EBITDA trend** 



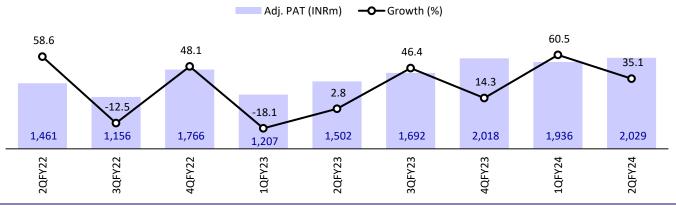
Source: Company, MOFSL

**Exhibit 4: EBITDA/MT trend** 



Source: Company, MOFSL

**Exhibit 5: Consolidated Adj. PAT trend** 



Source: Company, MOFSL

#### **Exhibit 6: Structural steel tube applications**

## **Applications**

- High Rise Buildings
  - Hospitals, Housing, Schools, Courts, Hotels/Malls/Offices
- Warehouses/Cold Storage/Food Parks
- Factory Buildings/Process Structures
- Aviation Hangers
- Data Centres



Ongoing enquiries





#### **Exhibit 7: Market creation by APAT**

Conventional Construction Products	Applications	Why Structural Steel Tube replaces these products?	1	How	we replaced the conventional products
Steel Angle/Channels	Structural support, Towers infrastructure	Uniform Strength, Lower steel consumption			
Wood	Furniture, Door Frames, Planks	Cost Effective, Termite Proof, Environmental Friendly			Low Diameter Steel Tubes/Low Load Bearing
Aluminum Profiles	Facades & Glazing	Cost Effective, Higher Strength	ر[		
Reinforced Cement Concrete	Construction of Buildings	Faster Construction Environmental Friendly	$\Big]$		High Diameter Steel Tubes/High Load Bearing
Fabricated Metal Sheet	Pre-Engineered Steel Buildings	Lower steel consumption Reduces overall project cost	ر [		

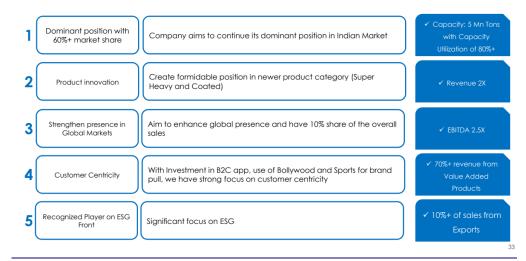
#### Exhibit 8: Hospital work at Delhi



Source: MOFSL, Company

#### Exhibit 9: The company's vision 2025

## Vision 2025



Source: Company, MOFSL

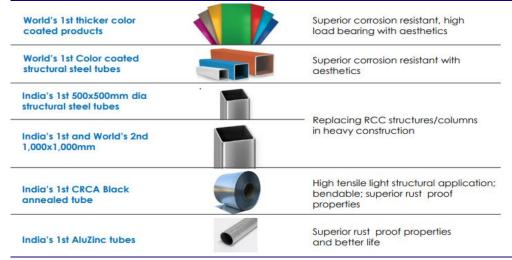
#### **Exhibit 10: Growth drivers for APAT**

### **Growth Drivers**



Source: Company, MOFSL

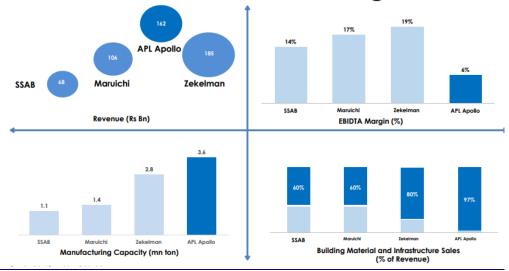
#### Exhibit 11: New products from the Raipur plant



Source: Company, MOFSL

#### **Exhibit 12: Global peer benchmarking**

## Global Peer Benchmarking



Source: Company, MOFSL



### Highlights from the management commentary

#### Raipur plant

- The company achieved sales volume of ~100KMT from Raipur plant in 2QFY24
- Raipur plant achieved capacity utilization of ~28% in 2QFY24. It is expected to reach ~40% in 3QFY23.
- For roofing sheet, EBITDA/MT jumped on the back of better utilization within Raipur plant (~50% in 2QFY24)
- The company generated an EBITDA of ~INR500m from the Raipur plant in 2QFY24, clocking an EBITDA/MT of ~INR5,000
- It expects EBITDA/MT to reach ~INR6000-7000 going ahead
- Currently, Raipur plant has available production capacity of ~1.2MMT.

  Production of super light tubes has already started. Thicker coated sheet production will start in Nov'23

#### **Demand scenario**

- APAT witnessed destocking of inventory in 2Q due to volatility in steel prices.
- Volume off-take was also soft in Oct'23 due to festive season. However, the company expects demand to bounce back from the second half of Nov'23.

#### Manufacturing capacity and capex

- APAT currently has a total manufacturing capacity of ~3.7MMT, which is expected to go up to ~5MMT in the next 12 months
- Most of the capex incurred (~INR3.5b) in 1HFY24 was spent on Raipur and Dubai facilities
- Going ahead, management expects ~INR2b of capex in 2HFY24 for its Dubai facility

#### Guidance

- Company is guiding for ~2.8MMT of sales volume in FY24
- It expects the manufacturing capacity to reach ~5MMT by FY25. This will be the sellable capacity and the capacity utilization can even go beyond 100% (~105-110%).
- Accordingly, management aims to achieve sales volume of ~5MMT by FY26.
- Management expects the EBITDA/MT to be ~INR4,500-5,500 in the near term as there could be pressure on margins especially within the general structure segment due to volatility in steel prices
- However, with the Raipur and Dubai facilities ramping up, EBITDA/MT is expected to rise going ahead
- The company believes that EBITDA/MT of ~INR6,000 is achievable when the capacity utilization of Raipur plant reaches at optimum level
- APAT will further increase its capacity once its reached sales volume of ~40KMT per month

#### **Exports**

- Export sales grew 28% YoY in 2QFY24
- Currently, it is exporting ~100KMT on an annual basis.
- With commission of Dubai plant (~300KMT), exports share can increase to ~10% of total sales volumes of the company by FY27 (currently ~5% of total volumes).
- Margins in export will be ~20% higher than the domestic market

#### Other key highlights

- There was no substantial inventory gain or loss during the quarter.
- APAT is clocking ~20KMT per month of volumes from platforms of Shankara.
   Management is confident that these numbers will grow in line with the sales growth of the company.
- Management believes that the gross debt levels of APAT have peaked out. It expects APAT to become a net-cash company soon.
- The company's current CFO was elevated to Director of Operations. Therefore, it has hired a new CFO.
- In structural steel tubes, APAT is the largest company globally. In steel tubes also, APAT is the third largest player (there are two bigger companies in China).
- Company is launching advertising camping with Amitabh Bachchan and Akshay
   Kumar. It has an advertising and promotional budget of ~INR500-600m for FY24
- Working capital days remained stable at around five days in 2QFY24.
- The company witnessed RoCE of ~32%% during the quarter (Ex of Raipur plant, RoCE stood at 40%)
- Around 90% of the total sale is made to distributors, ~5% are exported and ~5% to OEM
- The promoter has no plans to sell the stake of the company any further.
- Some of the products are already generating high single-digit margin. Going ahead, barring general structure, all the products can generate high single-digit margins.
- The company has supplied its steel tubes to two railway stations as of now (one in South India and one in North India). Railways can be a good demand driver for the company going ahead.

#### **Valuation and View**

■ We believe APAT would sustain its earnings momentum on the back of: 1) growing demand across segments, 2) increased product penetration with a robust distribution network, 3) rapid capacity expansion, 4) an increase in the share of VAP, thus driving margins, and 5) its market leadership position.

- The capacity addition from the upcoming plants, operating leverage, growing share of VAP, and the addition of high-margin products from the Raipur unit should lead to margin improvement and higher cash generation.
- We expect a revenue/EBITDA/PAT CAGR of 28%/43%/50% over FY23-25.
- We maintain our FY24/FY25 earnings estimates and value the stock at 33x Sep'25E EPS to arrive at our TP of INR1,930. Reiterate BUY.

**Exhibit 13: Revisions to our estimates** 

Earnings change		Old		ew	Change		
(INR m)	FY24E	FY25E	FY24E	FY25E	FY24E	FY25E	
Revenue	1,97,277	2,62,631	1,98,416	2,64,147	1%	1%	
EBITDA	14,335	21,045	14,277	20,991	0%	0%	
Adi. PAT	9.174	14.438	9.124	14.402	-1%	0%	

31 October 2023

## **Financials and valuations**

Consolidated - Income Statement									(INRm)
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Total Income from Operations	39,239	53,348	71,523	77,232	84,998	1,30,633	1,61,660	1,98,416	2,64,147
Change (%)	-6.9	36.0	34.1	8.0	10.1	53.7	23.8	22.7	33.1
RM Cost	32,324	45,483	63,077	65,786	71,648	1,12,231	1,40,178	1,68,908	2,24,789
Employees Cost	754	862	1,079	1,422	1,296	1,530	2,062	2,642	3,302
Other Expenses	2,832	3,292	3,439	5,252	5,266	7,419	9,204	12,590	15,065
Total Expenditure	35,909	49,637	67,595	72,459	78,210	1,21,181	1,51,444	1,84,139	2,43,156
% of Sales	91.5	93.0	94.5	93.8	92.0	92.8	93.7	92.8	92.1
EBITDA	3,330	3,710	3,928	4,773	6,787	9,453	10,216	14,277	20,991
Margin (%)	8.5	7.0	5.5	6.2	8.0	7.2	6.3	7.2	7.9
Depreciation	509	534	643	959	1,028	1,090	1,383	1,803	2,101
EBIT	2,821	3,176	3,286	3,814	5,759	8,363	8,832	12,474	18,890
Int. and Finance Charges	720	813	1,134	1,073	661	445	671	1,028	700
Other Income	60	80	117	222	359	405	472	823	1,057
PBT bef. EO Exp.	2,160	2,443	2,269	2,963	5,458	8,323	8,633	12,269	19,247
EO Items	0	0	0	0	0	0	0	0	0
PBT after EO Exp.	2,160	2,443	2,269	2,963	5,458	8,323	8,633	12,269	19,247
Total Tax	639	862	787	403	1,381	2,133	2,215	3,145	4,844
Tax Rate (%)	29.6	35.3	34.7	13.6	25.3	25.6	25.7	25.6	25.2
Minority Interest	0	0	0	180	475	617	0	0	0
Reported PAT	1,521	1,581	1,482	2,380	3,602	5,573	6,419	9,124	14,402
Adjusted PAT	1,521	1,581	1,482	2,380	3,602	5,573	6,419	9,124	14,402
Change (%)	20.8	4.0	-6.2	60.5	51.3	54.7	15.2	42.1	57.9
Margin (%)	3.9	3.0	2.1	3.1	4.2	4.3	4.0	4.6	5.5
									_
Consolidated - Balance Sheet									(INRm
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Equity Share Capital	236	237	239	249	250	501	555	555	555
Total Reserves	6,798	8,141	9,402	13,313	16,697	22,139	29,501	37,238	49,976
Net Worth	7,034	8,379	9,641	13,562	16,947	22,640	30,056	37,793	50,531
Minority Interest	0	0	0	954	1,383	2,000	0	0	0
Total Loans	5,944	7,751	8,581	8,338	5,203	5,806	8,729	6,929	2,929
Deferred Tax Liabilities	813	994	1,200	1,012	1,112	1,187	1,171	1,171	1,171
Capital Employed	13,790	17,124	19,422	23,865	24,644	31,633	39,957	45,894	54,632
Gross Block	6,922	9,617	11,626	17,246	18,568	20,677	29,513	35,005	38,728
Less: Accum. Deprn.	454	988	1,548	2,507	3,535	4,625	6,008	7,811	9,912
Net Fixed Assets	6,468	8,628	10,078	14,738	15,033	16,053	23,505	27,194	28,816
Goodwill on Consolidation	230	230	230	1,375	1,375	1,375	1,375	1,375	1,375
Capital WIP	1,224	460	275	101	1,077	5,037	3,740	3,248	1,775
Total Investments	4	11	494	15	15	913	960	5,460	8,960
Current Investments	0	0	0	0	0	50	0	4,500	8,000
Curr. Assets, Loans&Adv.	10,519	12,483	16,663	16,431	16,491	21,147	28,936	30,966	41,920
Inventory	4,696	5,915	7,835	7,842	7,599	8,472	14,799	17,657	21,984
Account Receivables	2,949	4,321	5,433	4,764	1,306	3,417	1,374	1,631	2,171
Cash and Bank Balance	16	68	478	456	3,579	3,764	3,525	1,757	7,199
Loans and Advances	2,859	2,179	2,917	3,370	4,006	5,494	9,239	9,921	10,566
Curr. Liability & Prov.	4,656	4,688	8,317	8,796	9,345	12,891	18,560	22,349	28,214
Account Payables	4,039	3,793	6,989	7,644	7,859	10,595	15,970	19,171	23,983
Other Current Liabilities	459	814	1,220	979	1,310	2,113	2,357	2,893	3,851
Provisions	157	81	108	173	177	184	233	286	380
Net Current Assets	5,864	7,795	8,346	7,636	7,145	8,256	10,377	8,616	13,706
Appl. of Funds	13,790	17,124	19,422	23,865	24,644	31,633	39,957	45,894	54,632

## **Financials and valuations**

Ratios									
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Basic (INR)									
EPS	5.5	5.7	5.3	8.6	13.0	20.1	23.1	32.9	51.9
Cash EPS	7.3	7.6	7.7	12.0	16.7	24.0	28.1	39.4	59.5
BV/Share	25.4	30.2	34.8	48.9	61.1	81.6	108.4	136.3	182.2
DPS	1.0	1.2	1.2	0.0	0.0	3.5	3.5	5.0	6.0
Payout (%)	22.5	25.3	27.7	0.0	0.0	17.4	15.1	15.2	11.6
Valuation (x)									
P/E	292.3	281.2	299.9	186.8	123.4	79.8	69.3	48.7	30.9
Cash P/E	219.0	210.2	209.2	133.2	96.0	66.7	57.0	40.7	26.9
P/BV	63.2	53.1	46.1	32.8	26.2	19.6	14.8	11.8	8.8
EV/Sales	11.5	8.5	6.3	5.9	5.3	3.4	2.8	2.2	1.6
EV/EBITDA	135.3	121.9	115.2	95.0	65.9	47.5	44.0	31.2	20.6
Dividend Yield (%)	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.3	0.4
FCF per share	11.6	3.5	4.7	-5.4	24.1	1.6	-2.3	22.1	51.4
Return Ratios (%)									
RoE	23.9	20.5	16.5	20.5	23.6	28.2	24.4	26.9	32.6
RoCE	16.1	14.5	12.9	17.4	20.8	25.8	20.6	23.7	30.4
RoIC	15.8	14.1	12.4	15.9	19.9	29.7	24.5	27.6	39.2
<b>Working Capital Ratios</b>									
Fixed Asset Turnover (x)	5.7	5.5	6.2	4.5	4.6	6.3	5.5	5.7	6.8
Asset Turnover (x)	2.8	3.1	3.7	3.2	3.4	4.1	4.0	4.3	4.8
Inventory (Days)	44	40	40	37	33	24	33	32	30
Debtor (Days)	27	30	28	23	6	10	3	3	3
Creditor (Days)	38	26	36	36	34	30	36	35	33
Leverage Ratio (x)									
Current Ratio	2.3	2.7	2.0	1.9	1.8	1.6	1.6	1.4	1.5
Interest Cover Ratio	3.9	3.9	2.9	3.6	8.7	18.8	13.2	12.1	27.0
Net Debt/Equity	0.8	0.9	0.8	0.6	0.1	0.1	0.2	0.0	-0.2
Consolidated - Cash Flow Statement									(INRm)
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
OP/(Loss) before Tax	2,160	2,443	2,269	2,963	5,458	8,323	8,633	12,269	19,247
Depreciation	509	534	0	959	1,028	1,090	1,383	1,803	2,101
Interest & Finance Charges	711	789	0	851	302	40	199	205	-357
Direct Taxes Paid	-629	-602	-673	-403	-1,381	-1,993	-2,161	-3,145	-4,844
(Inc)/Dec in WC	330	-2,342	287	725	3,577	-1,154	-1,475	-8	353
CF from Operations	3,082	823	1,884	5,096	8,983	6,306	6,580	11,123	16,500
Others	72	91	1,693	0	0	211	321	0	0
CF from Operating incl EO	3,154	914	3,576	5,096	8,983	6,517	6,901	11,123	16,500
(Inc)/Dec in FA	61	48	-2,261	-6,591	-2,298	-6,070	-7,539	-5,000	-2,250
Free Cash Flow	3,215	961	1,316	-1,495	6,685	447	-638	6,123	14,250
(Pur)/Sale of Investments	2	2	-390	479	0	-898	-48	-4,500	-3,500
Others	-1,761	-1,703	13	1,763	-4,171	1,666	-1,171	823	1,057
CF from Investments	-1,697	-1,654	-2,639	-4,349	-6,468	-5,301	-8,757	-8,677	-4,693
Issue of Shares	106	100	56	10	1	251	1,284	0	0
Inc/(Dec) in Debt	-554	1,807	830	-244	-3,135	603	2,924	-1,800	-4,000
Interest Paid	-725	-772	-1,014	-1,073	-661	-445	-671	-1,028	-700
Dividend Paid	-234	-283	-400	0	0	-971	-971	-1,387	-1,664
Others	-47	-59	0	538	4,403	-469	-949	0	0
CF from Fin. Activity	-1,454	792	-528	-768	609	-1,031	1,617	-4,214	-6,364
Inc/Dec of Cash	2	52	410	-22	3,123	185	-240	-1,768	5,442
Opening Balance	14	16	68	478	456	3,579	3,765	3,525	1,757
Closing Balance	16	68	478	456	3,579	3,765	3,525	1,757	7,199
erosing balance	10	- 00	470	430	3,313	3,703	3,323	1,737	,,133

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Explanation of Investment Rating						
Investment Rating	Expected return (over 12-month)					
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SELL	<-10%					
NEUTRAL	< - 10 % to 15%					
UNDER REVIEW	Rating may undergo a change					
NOT RATED	We have forward looking estimates for the stock but we refrain from assigning recommendation					

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