

# Highwire drives Q2; elearning/Platform to grow organically hereon

- MPS reported slight beat on results in Q2, with a 34.9% QoQ growth in revenue (our estm: 31.9% QoQ) largely led by inorganic contribution from acquired Highwire business while organic business biz segments remained in flat to slightly negative growth range.
- OPM declined 360bps QoQ to 17.0% (our estm: 15.0%) due to decline in margins of all 3 biz segments where-in Platform business was impacted by lower EBITDA margin of acquired Highwire Biz (early double digit).
- MPS expects Highwire business to deliver improved profitability (40-45% EBITDA margins) by end of FY22 led by cost take-outs (IT, Rent, Other inefficiencies), limited incremental cost for revenue growth (cross sell leverage) and cost arbitrage opportunities by off-shoring.
- Post Highwire integration, MPS would focus on revival of profitability across all business segments, that will drive overall earnings momentum which we believe is achievable given the past robust turn-around track record. Improved business visibility, strong margin revival potential and attractive valuations, make strong investment case, we maintain our Buy rating with TP of Rs550, valued at 12x FY23 Earnings per share of Rs45.5.

# Margin Improvement to drive earnings: Multiple Levers available

MPS expects sequential margin improvement hereon over next six quarters (till end FY22). This strong outlook for margin improvement is driven by plans to double margins from current level in Platform biz by FY22 (partially led by improvement in Highwire margins), and revival in revenue run rate led margin improvement in elearning Business. The Platform business is expected to deliver margin improvement led by high client stickiness and limited marginal cost. Within the acquired Highwire business, MPS has observed multiple cost inefficiencies (IT, Rent, etc) and cost saving potential from off-shoring. Going forward, MPS plans to scale the profitability to 40-45% by these stakeouts and off-shoring. The elearning Business is also expected to return back to profits in H2FY21 as business momentum is guided to improve as spends revives by Corporate clients. Content business is expected to remain a cash cow although the growth may remain broadly around ~5% over 3 years' horizon. OPM improvement is expected despite it is planning to invest in each of the platform to evolve them (built an active roadmap) in terms of features.

# Q2FY21 Result (Rs Mn)

Particulars	Q2FY21	Q2FY20	YoY (%)	Q1FY21	QoQ (%)
Revenue	1,103	882	25.1	818	34.9
Total Expense	856	617	38.7	611	40.1
EBITDA	248	265	(6.6)	207	19.6
Depreciation	60	39	56.1	39	55.3
EBIT	188	227	(17.2)	169	11.4
Other Income	13	64	(80.3)	25	(49.0)
Interest	5	5	(5.7)	4	19.0
EBT	195	286	(31.6)	189	3.3
Тах	56	65	(13.0)	51	11.7
RPAT	139	221	(37.1)	139	0.2
APAT	139	221	(37.1)	139	0.2
			(bps)		(bps)
Gross Margin (%)	49.6	53.8	(414)	51.6	(201)
EBITDA Margin (%)	22.5	30.1	(761)	25.3	(288)
NPM (%)	12.6	25.1	(1246)	17.0	(436)
Tax Rate (%)	28.9	22.7	619	26.7	217
EBIT Margin (%)	17.0	25.7	(869)	20.6	(359)

СМР		F	Rs 378				
Target / Upside	l	Rs 550	/ 46%				
NIFTY	12,631						
Scrip Details							
Equity / FV	Rs 18	31mn /	Rs 10				
Market Cap		F	Rs 7bn				
		USD	95mn				
52-week High/Low		Rs 529	9/ 154				
Avg. Volume (no)		1	2,086				
Bloom Code		N	1PS IN				
Price Performance	1M 3M 12M						
Absolute (%)	(8) (4) (26						
Rel to NIFTY (%)	(8) (4) (20)						

# **Shareholding Pattern**

Mar'20	Jun'20	Sep'20
67.8	67.8	67.8
3.5	3.5	3.5
5.8	5.4	5.5
22.9	23.3	23.3
	67.8 3.5 5.8	3.5 3.5   5.8 5.4

# Valuation (x)

	FY21E	FY22E	FY23E
P/E	11.4	9.4	8.3
ev/ebitda	7.0	5.8	5.0
ROE (%)	16.7	20.0	20.9
RoACE (%)	16.9	20.1	20.9

# Estimates (Rs mn)

	FY21E	FY22E	FY23E
Revenue	4,201	4,749	5,202
EBITDA	982	1,106	1,198
PAT	596	721	821
EPS (Rs.)	33.0	40.0	45.5

# VP - Research: Rahul Jain Tel: +9122 40969771

E-mail: rahulj@dolatcapital.com

# Associate: Divyesh Mehta

Tel: +91 22 40969768 E-mail: divyesh.mehta@dolatcapital.com



		Estim	ates	% Va	riation	6
(in Rs mn)	Actual	Dolat	Consensus	Dolat	Consensus	Comment
Revenues (in US\$ mn)	14.9	14.2	NA	4.4	NA	Revenue beat led by strong
Sales	1,103	1,079	NA	2.3	NA	inorganic contribution from Highwire acquisition
EBIT	188	162	NA	15.9	NA	OPM beat led by lower than
EBIT, margin	17.0	15.0	NA	199.5	NA	expected impact of Highwire's Margin. (improved post-acq)
РАТ	139	128	NA	8.6	NA	PAT beat slightly negated by lower than expected Other Income of Rs.8mn v/s Rs.20mn

# Exhibit 1: Quarterly performance versus estimates

Source: DART, Company

# **Change in Estimates**

Factoring the higher than expected Highwire profitability and revival in E-learning business and commentary for E-learning and Platforms margins, we have increased our revenue growth estimates by 280bps for FY21 but retained our estimates for FY22E and increased OPM estimates by 115bps for FY21E and a small upgrade in margins for FY22E. We introduce FY23E estimates with 8.1% YoY growth in revenues and 10bps upgrade in OPM at 18.2% over FY22E profitability.

## **Exhibit 2: Change in Estimates**

	FY20A		FY21E			FY22E		FY23E
(Rs mn)	Actual	Old	New	% change	Old	New	% change	Introduce
Revenue (\$ mn)	46.9	55.4	56.7	2.4	63.1	63.3	0.3	68.4
Growth, YoY %	(9.7)	18.0	20.8	280	14.0	11.7	(233)	8.1
INR Revenue	3,317	4,133	4,201	1.7	4,736	4,749	0.3	5,202
Growth, YoY %	(8.5)	24.6	26.7	206	14.6	13.0	(155)	9.5
EBIT	636	699	759	8.5	843	860	2.0	945
EBIT margins, %	19.2	16.9	18.1	115	17.8	18.1	31	18.2
Net Profit (excluding exceptional item)	599	565	596	5.4	751	721	(4.0)	821
EPS (Rs. per share)	32.2	30.4	33.0	8.8	40.4	40.0	(0.9)	45.5

Source: DART, Company

# Valuation

We value MPS at 12x on FY23E earnings (EPS of Rs45.5). We believe the stock is attractively priced at just 8x on FY23E earnings and implies strong potential Dividend yield of over 7% and a cash per share of Rs 70.

## Exhibit 3: Key Assumption in our growth estimates

Assumption table	FY20A	FY21E	FY22E	FY23E
USD Revenue growth (%)	(9.7)	20.8	11.7	8.1
INR Revenue growth (%)	(8.5)	26.7	13.0	9.5
EBIT Margin	19.2	18.1	18.1	18.2
INR/US\$ realised rate	70.7	74.1	75.0	76.0



Particulars	Q1FY20	Q2FY20	Q3FY20	Q4FY20	Q1FY21	Q2FY21	YoY %	QoQ %	YTDFY20 Y	TDFY21	YoY %
Revenue (\$ mn)	12.0	12.7	11.8	10.5	10.8	14.9	17.2	37.8	24.7	25.7	3.8
Revenue	836	882	837	762	818	1,103	25.1	34.9	1,718	1,921	11.8
Expenditure	633	617	651	627	611	856	38.7	40.1	1,249	1,466	17.4
Employee Cost	428	408	406	415	396	556	36.3	40.5	836	952	13.9
as % of sales	51.1	46.2	48.5	54.5	48.4	50.4			48.6	49.5	
Other expenditure	205	209	245	212	215	300	43.4	39.4	414	515	24.4
as % of sales	24.5	23.7	29.3	27.8	26.3	27.2			24.1	26.8	
EBITDA	204	265	186	135	207	248	(6.6)	19.6	469	455	(3.0)
Depreciation	39	39	39	38	39	60	56.1	55.3	77	99	28.3
EBIT	165	227	147	97	169	188	(17.2)	11.4	392	356	(9.1)
Other Income	57	64	34	44	25	13	(80.3)	(49.0)	121	38	(69.0)
Interest	5	5	5	6	4	5	(5.7)	19.0	11	9	(13.2)
PBT	217	286	176	136	189	195	(31.6)	3.3	503	385	(23.5)
Тах	63	65	47	41	51	56	(13.0)	11.7	128	107	(16.3)
Reported PAT	154	221	130	94	139	139	(37.1)	0.2	375	278	(25.9)
EPS	8.3	11.9	7.0	5.1	7.5	7.5	(37.0)	0.2	20.1	14.9	(25.8)
Margins (%)											
EBIDTA	24.4	30.1	22.2	17.7	25.3	22.5	(7.6)	(2.9)	54.4	47.8	(6.6)
EBIT	19.8	25.7	17.6	12.7	20.6	17.0	(8.7)	(3.6)	45.5	37.6	(7.8)
PBT	25.9	32.4	21.0	17.8	23.1	17.7	(14.7)	(5.4)	58.3	40.8	(17.5)
PAT	18.4	25.1	15.5	12.4	17.0	12.6	(12.5)	(4.4)	43.4	29.6	(13.9)
Effective Tax rate	29.0	22.7	26.4	30.5	26.7	28.9	6.2	2.2	51.7	55.6	3.9

Exhibit 4: Quarterly and YTD Trend (Rs mn)

Source: DART, Company

# What to expect next Quarter

We expect growth of 3% QoQ in revenue in Q1FY21 led by traction in E-Learning and Platform business. Profitability is expected to improve to 17.5% led by improvement in E-Learning and Highwire margins.

# Exhibit 5: What to expect next quarter

Particulars (Rs. Mn)	Q3FY21E	Q2FY21	Q3FY20	QoQ (%)	YoY (%)
Sales (US\$ mn)	15.3	14.9	11.8	3.0	30.4
Sales	1,126	1,103	837	2.0	34.6
EBIT	197	188	147	4.9	34.1
PAT	153	139	130	9.9	18.0
EPS (Rs)	8.5	7.5	7.0	13.4	21.8
EBIT Margin (%)	17.5	17.0	17.6	48 bps	-7 bps

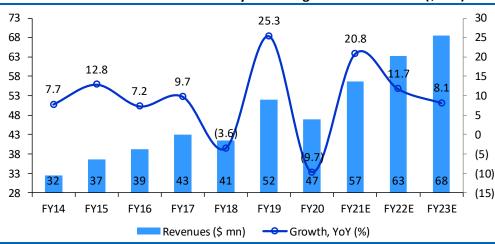


# **Con-Call Key Takeaways**

- Content Solutions Biz (49% of rev): Content Solutions de-grew by 1.5% QoQ to Rs.540mn. The Segmental EBIT margins declined by 270bps to 32.3%. Management highlighted that the segment remains the cash cow. The strategy by MPS within Content Solutions business is on getting new customer and mining the existing ones. North America biz witnessed recovery in Content solutions biz.
- Outlook for Content Solutions Biz: H2FY21 is expected to be better for Content Solutions business but broadly will have smaller growth on Net basis as some slippage happens in the business consistently given the ongoing disruption in the publishing segment. As per current assessment, it can deliver modest growth (~5%) over 3-year horizon (with potential volatility on annual basis).
- Platform Solutions Biz (39% of rev): Platform business grew by 215.4% on QoQ basis to Rs.430mn and now contributes 39% of Revenue. The current quarter growth included large inorganic contribution of Highwire acquisition while within the organic biz only Think platform grew double digit QoQ basis along with double digit margins. The growth from Think platform was led by Zero ticketing backlog, demand for customised projects, active engagement from client, better user experience and reliability. The other two platforms; Digicore and Mag+ remained flattish.
- Outlook for Platform Solutions Biz: MPS is positive about margin expansion back to pre-acquisition level to 40%+ (it used to deliver in past) from current 19% (lower due to impact from TIS (partial) and Highwire integration). It plans to double margins from current level by FY22 as 1) marginal cost for revenue growth is limited 2) higher client stickiness due to high switching cost and long switching process (12-18months) and improvement in margins of Highwire which will be led by off-shoring and cost takeout's. Cross-selling potential is very high as total 200 customers Digicore has 12 clients, Highwire has 100 clients (more revenue per biz.) while Think has 70. The revenue potential is significant in this segment and can grow multi-fold of its current size over a period of time. In terms of scale the business still has potential as evident from Large size of its Competitors Revenues across platforms. Eg: Digi Core competitor \$40mn, while for Highwire, Think and Mag+ it is around \$50 mn, \$10 mn, and \$10mn.
- E-Learning Solutions Biz (12% of revenue): E-learning business stabilized with a flattish growth of 0.3% QoQ to Rs.134mn. The business is expected to revive here on with as talks for large opportunity engagements (Education/Corporate clients) have re-started and the pipeline and order book remains healthy.
- Outlook for E-Learning Business: MPS is expecting sequential margin improvement and wiping out of losses (Rs. 30 at PBT level) in E-learning biz led by revenue traction in H2YF21 (and potential pentup demand in early FY22). The major growth may largely come in FY22 as the macros normalises. The first objective here is to reach back to pre-pandemic quarterly run rate of 10mn\$ and then look for growth drivers thereon. MPS highlighted that customized approach here on making content more exciting is a niche and booming space. The peak potential margins for such E-learning business are 20-25%.
- Highwire Biz: Highwire achieved early double digit profitability during Q2 in very first quarter of integration with stable revenues (estimated at about \$3.5mn). The company was loss making at time of acquisition with revenues at \$17mn. For the year the revenue run rate may see about 15%-20% slippage on run rate basis as has been observed in other past acquisition but can also be smaller/gradual in this case, given high switching cost for customer and also the fact that the MPS would try to add more services for same budgets (value add) to retain the customer. On profitability front this can go to 40-45% EBIDTA margins levels by cost efficiency, wage arbitrage and increased offshoring.



- Overall business: The business is stabilising now as after significant revenue impact from Top15 client declines in last year, things have improve through new client's addition and business recovery in some clients. Overall profitability of the business can improve given the favourable mix (Platform business now ~39% of business against about 16-17% in past) and while growth potential has enhanced by widened scope in the Platform business post Highwire integration (cross sell, up sell rather than decreasing the pricing) and long term opportunity in the eLearning space.
- **Cash and Payouts:** Post the buyback payment of Rs.421mn (including transaction cost), the current cash per share is Rs.70 per share.
- Investment: MPS believes that the platforms require reinvests to revamp the businesses. (unlike old cycle of publishing to publishing /E-learning and from there to publishing / E-learning / platform).



# Charts

Exhibit 6: Revenues traction to be led by eLearning business in future (\$ Mn)

Source: DART, Company

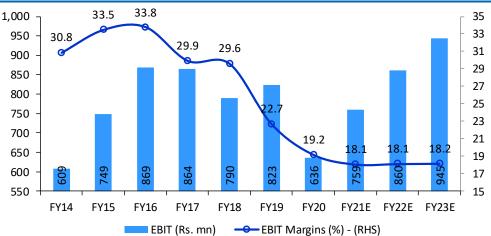
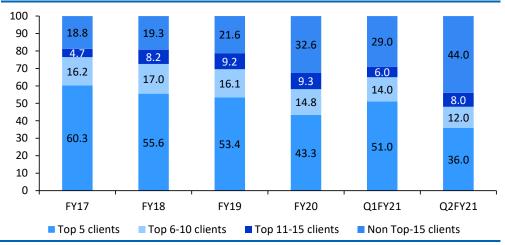


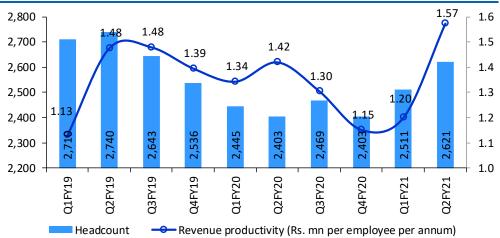
Exhibit 7: Profitability to stabilize in FY22E with scale up in eLearning segment





## Exhibit 8: Client concentration has improved after Highwire acquisition

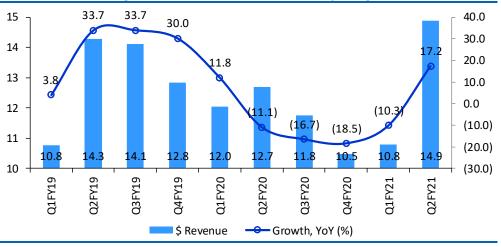
Source: DART, Company



# Exhibit 9: Productivity has improved after Acquisition Highwire

Source: DART, Company

## Exhibit 10: Revenue grew 17.2% YoY to \$14.9 mn led by inorganic contribution





# **Exhibit 11: Operating Metrics**

Operating Metrics	Q1FY19						Q3FY20			Q2FY21
\$ Revenue	10.8	14.3	14.1	12.8	12.0	12.7	11.8	10.5	10.8	14.9
Growth, YoY (%)	3.8	33.7	33.7	30.0	11.8	(11.1)	(16.7)	(18.5)	(10.3)	17.2
Growth, QoQ (%)	8.9	32.6	(1.3)	(8.9)	(6.3)	5.5	(7.4)	(10.9)	3.2	37.8
Geography Amount (\$mn)										
North America	5.2	7.7	7.9	6.6	5.9	7.0	7.5	6.9	7.2	10.3
Europe	4.7	6.0	5.4	5.9	5.2	4.7	3.4	2.9	2.9	3.9
Rest of the World	0.9	0.4	0.8	0.4	1.0	1.0	0.8	0.6	0.6	0.7
Geography Growth (YoY)										
North America	(17.0)	28.9	24.8	25.1	14.1	(9.5)	(4.7)	5.4	22.7	47.0
Europe	20.2	40.4	33.7	35.9	9.2	(21.7)	(36.4)	(50.4)	(43.7)	(17.6)
Rest of the World	315.2	0.3	301.2	30.0	11.8	137.0	(2.8)	63.0	(32.7)	(26.7)
Client Amount (\$mn)										
Top 5 Clients	6.9	7.7	5.6	7.4	4.6	5.5	5.3	5.0	5.5	5.4
Top 6-10 Clients	1.5	2.6	2.0	2.3	1.8	2.0	1.6	1.5	1.5	1.8
Top 11-15 Clients	0.8	1.6	1.4	1.0	1.3	1.1	1.1	0.8	0.6	1.2
Non-Top 15 Clients	1.6	2.4	5.1	2.1	4.3	4.1	3.8	3.1	3.1	6.5
Client Growth (YoY)										
Top 5 Clients	18.6	24.5	(4.5)	45.0	(33.6)	(29.2)	(6.2)	(32.6)	20.4	(1.9)
Top 6-10 Clients	(9.2)	50.4	10.1	23.1	19.8	(21.0)	(16.7)	(36.6)	(16.3)	(12.1)
Top 11-15 Clients	(9.2)	110.1	67.2	4.0	75.6	(27.3)	(25.0)	(18.5)	(51.1)	4.2
Non-Top 15 Clients	(22.2)	19.6	153.4	9.4	168.3	67.3	(25.9)	52.8	(27.7)	61.2
Currency Mix (%)										
USD	78	68	71	83	71	73	75	76	81	79
GBP	13	10	11	13	10	8	7	6	5	10
EURO	2	9	8	2	8	10	7	6	7	5
Others	7	13	10	2	11	9	11	12	7	6
Segment Amount (INR mn	)									
Content Solution	535	604	598	592	500	545	503	487	548	540
Platform Solutions	112	173	188	123	147	145	130	110	136	430
eLearning business (TIS)	75	229	210	188	190	192	204	165	134	134
Segmental Profit Margin (	%)									
Content Solution	37.5	41.0	33.7	36.0	29.1	37.2	26.5	33.7	35.0	32.3
Platform Solutions	49.4	41.7	40.8	17.4	35.0	41.9	29.9	8.1	33.2	19.1
eLearning business (TIS)	0.0	(5.6)	(5.0)	3.9	10.4	12.9	14.1	(5.0)	(11.2)	(13.8)
Other Metrics										
DSO	58	66	73	68	56	53	67	72	62	60
Client Billed	423	512	581	298	514	541	550	546	474	582



# **Band Chart**

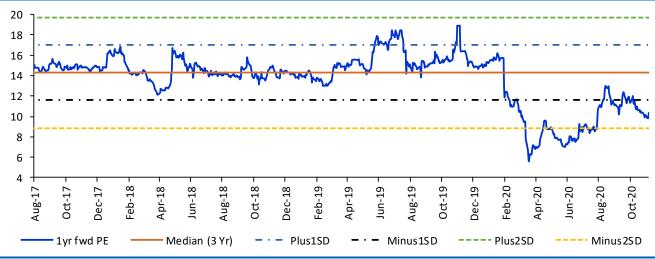


Exhibit 12: MPS PER Band Chart: Stock is attractively priced at about 10x on 1 year forward basis.



(Rs Mn)	FY20A	FY21E	FY22E	FY23E
Revenue	3,317	4,201	4,749	5,202
Total Expense	2,527	3,219	3,643	4,005
COGS	1,656	2,091	2,394	2,573
Employees Cost	0	0	0	0
Other expenses	871	1,128	1,249	1,431
EBIDTA	790	982	1,106	1,198
Depreciation	154	223	246	253
EBIT	636	759	860	945
Interest	22	20	18	16
Other Income	200	74	119	168
Exc. / E.O. items	0	0	0	0
EBT	814	812	961	1,097
Tax	216	216	240	276
RPAT	599	596	721	821
Minority Interest	0	0	0	0
Profit/Loss share of associates	0	0	0	0
АРАТ	599	596	721	821

Balance Sheet				
(Rs Mn)	FY20A	FY21E	FY22E	FY23E
Sources of Funds				
Equity Capital	186	181	181	181
Minority Interest	0	0	0	0
Reserves & Surplus	3,483	3,288	3,558	3,928
Net Worth	3,669	3,469	3,739	4,109
Total Debt	128	128	128	128
Net Deferred Tax Liability	(56)	(56)	(56)	(56)
Total Capital Employed	3,741	3,540	3,810	4,180
Applications of Funds				
Net Block	1,139	1,510	1,364	1,211
CWIP	0	0	0	0
Investments	857	867	877	887
Current Assets, Loans & Advances	2,338	1,870	2,353	2,939
Inventories	0	0	0	0
Receivables	623	806	885	969
Cash and Bank Balances	945	293	698	1,199
Loans and Advances	35	35	35	35
Other Current Assets	736	736	736	736
Less: Current Liabilities & Provisions	594	707	784	857
Payables	122	138	156	171
Other Current Liabilities	472	569	628	686
sub tota	ıl			
Net Current Assets	1,744	1,163	1,569	2,082
Total Assets	3,741	3,540	3,810	4,180

E – Estimates



Particulars	FY20A	FY21E	FY22E	FY23E
(A) Margins (%)				
Gross Profit Margin	50.1	50.2	49.6	50.5
EBIDTA Margin	23.8	23.4	23.3	23.0
EBIT Margin	19.2	18.1	18.1	18.2
Tax rate	26.5	26.6	25.0	25.2
Net Profit Margin	18.0	14.2	15.2	15.8
(B) As Percentage of Net Sales (%)				
COGS	49.9	49.8	50.4	49.5
Employee	0.0	0.0	0.0	0.0
Other	26.3	26.8	26.3	27.5
(C) Measure of Financial Status				
Gross Debt / Equity	0.0	0.0	0.0	0.0
Interest Coverage	29.6	37.6	47.8	59.0
Inventory days	0	0	0	0
Debtors days	69	70	68	68
Average Cost of Debt	33.6	15.8	14.1	12.5
Payable days	13	12	12	12
Working Capital days	192	101	121	146
FA T/O	2.9	2.8	3.5	4.3
(D) Measures of Investment				
AEPS (Rs)	32.2	33.0	40.0	45.5
CEPS (Rs)	40.4	45.4	53.6	59.5
DPS (Rs)	50.0	25.0	25.0	25.0
Dividend Payout (%)	155.5	75.6	62.5	54.9
BVPS (Rs)	195.5	192.3	207.3	227.8
RoANW (%)	14.3	16.7	207.5	20.9
ROACE (%)	19.0	16.9	20.0	20.9
RoAIC (%)	19.0	25.1	27.1	31.0
(E) Valuation Ratios	13.0	20.1	27.1	51.0
CMP (Rs)	378	378	378	378
P/E	11.7	11.4	9.4	8.3
Mcap (Rs Mn)	7,027	7,027	7,027	7,027
MCap/ Sales	2.1	1.7	1.5	1.4
EV	6,210	6,861	6,457	5,955
EV/Sales	1.9	1.6	1.4	1.1
EV/EBITDA	7.9	7.0	5.8	5.0
P/BV	1.9	2.0	1.8	1.7
Dividend Yield (%)	13.2	6.6	6.6	6.6
(F) Growth Rate (%)	15.2	0.0	0.0	0.0
	<u>(ог)</u>	26.7	12.0	0 5
Revenue	(8.5)	26.7	13.0	9.5
EBITDA	(15.4)	24.3	12.7	8.2
EBIT	(22.7)	19.3	13.4	9.8
PBT	(24.2)	(0.2)	18.4	14.1
APAT	(21.3)	(0.4)	21.0	13.8
EPS	(21.3)	2.8	21.0	13.8
Cash Flow				
(Rs Mn)	FY20A	FY21E	FY22E	FY23E
CFO	527	696	864	910
CFI	1,516	(530)	9	58
CFF	(1,753)	(550)	(559)	(557)
FCFF	481	102	764	810
Opening Cash	481 475	766	370	684
Closing Cash E – Estimates	766	370	684	1,095



# DART RATING MATRIX

<b>Total Return Expectation</b>	(12 Months)
---------------------------------	-------------

Buy	> 20%
Accumulate	10 to 20%
Reduce	0 to 10%
Sell	< 0%

# **Rating and Target Price History**



Month	Rating	TP (Rs.)	Price (Rs.)
May-20	Buy	300	235
Aug-20	Buy	480	435

\*Price as on recommendation date

# DART Team

Purvag Shah	Managing Director	purvag@dolatcapital.com	+9122 4096 9747	
Amit Khurana, CFA	Head of Equities	amit@dolatcapital.com	+9122 4096 9745	
CONTACT DETAILS				
Equity Sales	Designation	E-mail	Direct Lines	
Dinesh Bajaj	VP - Equity Sales	dineshb@dolatcapital.com	+9122 4096 9709	
Kapil Yadav	VP - Equity Sales	kapil@dolatcapital.com	+9122 4096 9735	
Yomika Agarwal	VP - Equity Sales	yomika@dolatcapital.com	+9122 4096 9772	
Jubbin Shah	VP - Derivatives Sales	jubbins@dolatcapital.com	+9122 4096 9779	
Ashwani Kandoi	AVP - Equity Sales	ashwanik@dolatcapital.com	+9122 4096 9725	
Lekha Nahar	AVP - Equity Sales	lekhan@dolatcapital.com	+9122 4096 9740	
Equity Trading	Designation	E-mail		
P. Sridhar	SVP and Head of Sales Trading	sridhar@dolatcapital.com	+9122 4096 9728	
Chandrakant Ware	VP - Sales Trading	chandrakant@dolatcapital.com	+9122 4096 9707	
Shirish Thakkar	VP - Head Domestic Derivatives Sales Trading	shirisht@dolatcapital.com	+9122 4096 9702	
Kartik Mehta	Asia Head Derivatives	kartikm@dolatcapital.com	+9122 4096 9715	
Dinesh Mehta	Co- Head Asia Derivatives	dinesh.mehta@dolatcapital.com	+9122 4096 9765	
Bhavin Mehta	VP - Derivatives Strategist	bhavinm@dolatcapital.com	+9122 4096 9705	



### Analyst(s) Certification

The research analyst(s), with respect to each issuer and its securities covered by them in this research report, certify that: All of the views expressed in this research report accurately reflect his or her or their personal views about all of the issuers and their securities; and No part of his or her or their compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed in this research report.

## I. Analyst(s) and Associate (S) holding in the Stock(s): (Nil)

#### II. Disclaimer:

This research report has been prepared by Dolat Capital Market Private Limited. to provide information about the company(ies) and sector(s), if any, covered in the report and may be distributed by it and/or its affiliated company(ies) solely for the purpose of information of the select recipient of this report. This report and/or any part thereof, may not be duplicated in any form and/or reproduced or redistributed without the prior written consent of Dolat Capital Market Private Limited. This report has been prepared independent of the companies covered herein. Dolat Capital Market Private Limited. and its affiliated companies are part of a multi-service, integrated investment banking, brokerage and financing group. Dolat Capital Market Private Limited. and/or its affiliated company(ies) might have provided or may provide services in respect of managing offerings of securities, corporate finance, investment banking, mergers & acquisitions, financing or any other advisory services to the company(ies) covered herein. Dolat Capital Market Private Limited. and/or its affiliated company(ies) might have received or may receive compensation from the company(ies) mentioned in this report for rendering any of the above services. Research analysts and sales persons of Dolat Capital Market Private Limited. may provide important inputs to its affiliated company(ies) associated with it. While reasonable care has been taken in the preparation of this report, it does not purport to be a complete description of the securities, markets or developments referred to herein, and Dolat Capital Market Private Limited. does not warrant its accuracy or completeness. Dolat Capital Market Private Limited. may not be in any way responsible for any loss or damage that may arise to any person from any inadvertent error in the information contained in this report. This report is provided for information only and is not an investment advice and must not alone be taken as the basis for an investment decision. The investment discussed or views expressed herein may not be suitable for all investors. The user assumes the entire risk of any use made of this information. The information contained herein may be changed without notice and Dolat Capital Market Private Limited. reserves the right to make modifications and alterations to this statement as they may deem fit from time to time. Dolat Capital Market Private Limited. and its affiliated company(ies), their directors and employees may; (a) from time to time, have a long or short position in, and buy or sell the securities of the company(ies) mentioned herein or (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions. This report is neither an offer nor solicitation of an offer to buy and/or sell any securities mentioned herein and/or not an official confirmation of any transaction. This report is not directed or intended for distribution to, or use by any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject Dolat Capital Market Private Limited. and/or its affiliated company(ies) to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to a certain category of investors. Persons in whose possession this report may come, are required to inform themselves of and to observe such restrictions.

For U.S. Entity/ persons only: This research report is a product of Dolat Capital Market Private Limited., which is the employer of the research analyst(s) who has prepared the research report. The research analyst(s) preparing the research report is/are resident outside the United States (U.S.) and are not associated persons of any U.S. regulated broker-dealer and therefore the analyst(s) is/are not subject to supervision by a U.S. broker-dealer, and is/are not required to satisfy the regulatory licensing requirements of FINRA or required to otherwise comply with U.S. rules or regulations regarding, among other things, communications with a subject company, public appearances and trading securities held by a research analyst account.

This report is intended for distribution by Dolat Capital Market Private Limited. only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the U.S. Securities and Exchange Act, 1934 (the Exchange Act) and interpretations thereof by U.S. Securities and Exchange Commission (SEC) in reliance on Rule 15a 6(a)(2). If the recipient of this report is not a Major Institutional Investor as specified above, then it should not act upon this report and return the same to the sender. Further, this report may not be copied, duplicated and/or transmitted onward to any U.S. person or entity.

In reliance on the exemption from registration provided by Rule 15a-6 of the Exchange Act and interpretations thereof by the SEC in order to conduct certain business with Major Institutional Investors, Dolat Capital Market Private Limited. has entered into an agreement with a U.S. registered broker-dealer Ltd Marco Polo Securities Inc. ("Marco Polo"). Transactions in securities discussed in this research report should be effected through Marco Polo or another U.S. registered broker dealer/Entity as informed by Dolat Capital Market Private Limited. from time to time.



Dolat Capital Market Private Limited.

Corporate Identity Number: U65990DD1993PTC009797 Member: BSE Limited and National Stock Exchange of India Limited. SEBI Registration No: BSE - INB010710052 & INF010710052, NSE - INB230710031& INF230710031, Research: INH00000685 Registered office: Office No. 141, Centre Point, Somnath, Daman – 396 210, Daman & Diu Board: +9122 40969700 | Fax: +9122 22651278 | Email: research@dolatcapital.com | www.dolatresearch.com