

### Company at a Glance





38 Years of Legacy



Presence across 100+ countries



1200+ employees



90+ research scientists



4 manufacturing facilities



300+ patents



40%+ business from repeat customers



~10% Global ethanol production market share\*



1000++ References/plants worldwide



400+ overseas references



Net Debt Free company



3-Year Revenue CAGR 27%



3-Year EBITDA CAGR 33%



3-Year PAT CAGR 30%



FY22 ROCE 24%

### **Company Overview**





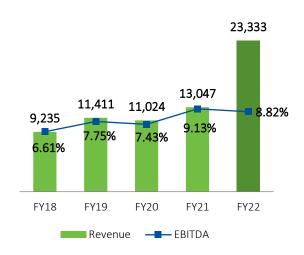
Order book As on Q4-FY22

INR 28,780 Mn Order Intake in Q4-FY22

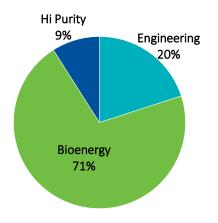
INR 11,015 Mn

- Incorporated in 1983 under the visionary leadership of technocrat Dr. Pramod Chaudhury.
- Praj Industries Ltd. (Praj) has grown to become one of the most reputed and technologically advanced biotechnology and engineering companies in the world.
- Offering a bouquet of sustainable solutions for bioenergy, high purity water, critical process equipment, breweries and industrial wastewater treatment
- Focused on the environment, energy and farm-to-fuel technology solutions, with 1000++ customer references in 100+ countries across 5 continents and still counting.
- Team of 90+ technologists, 300+ patents filings, and 24 Indian and 60 international patents being granted.
- Known for its TEMPO (Technology, Engineering, Manufacturing, Project management, and Operations & Maintenance) capabilities.
- The manufacturing capabilities are substantiated by four world class manufacturing facilities located in Maharashtra and Gujarat, which are near ports and supported by a multi-disciplinary engineering team.
- Global Offices located in Thailand and Philippines in South East Asia and in Houston, Texas, USA.

#### Operational Revenue (INR Mn)



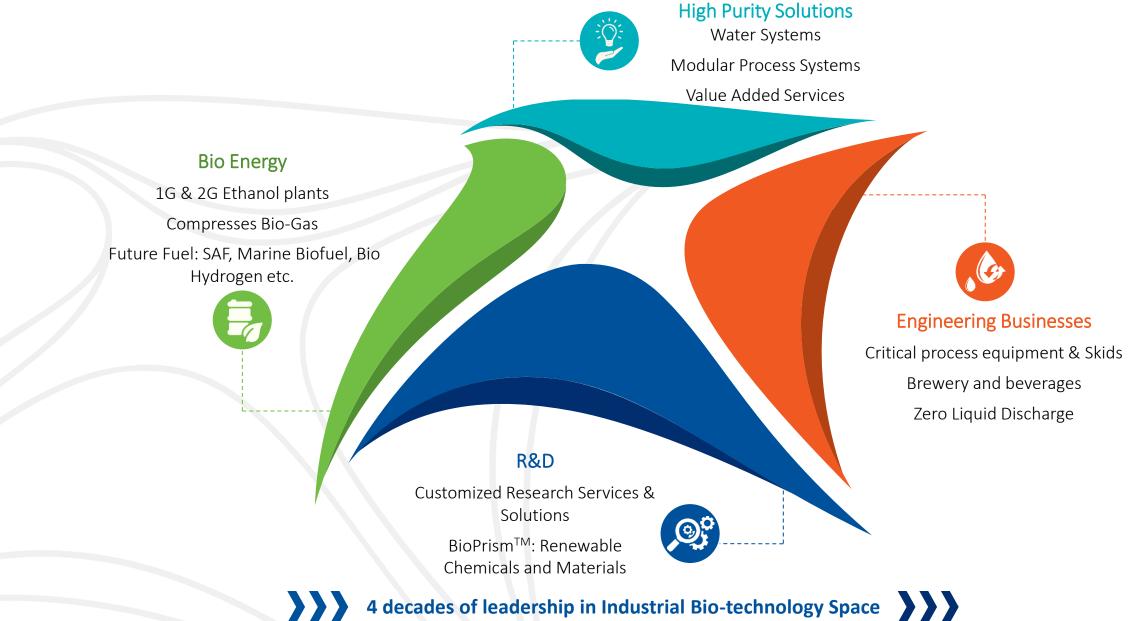
#### FY22 Revenue Break Up (%)



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### **Business Segments**

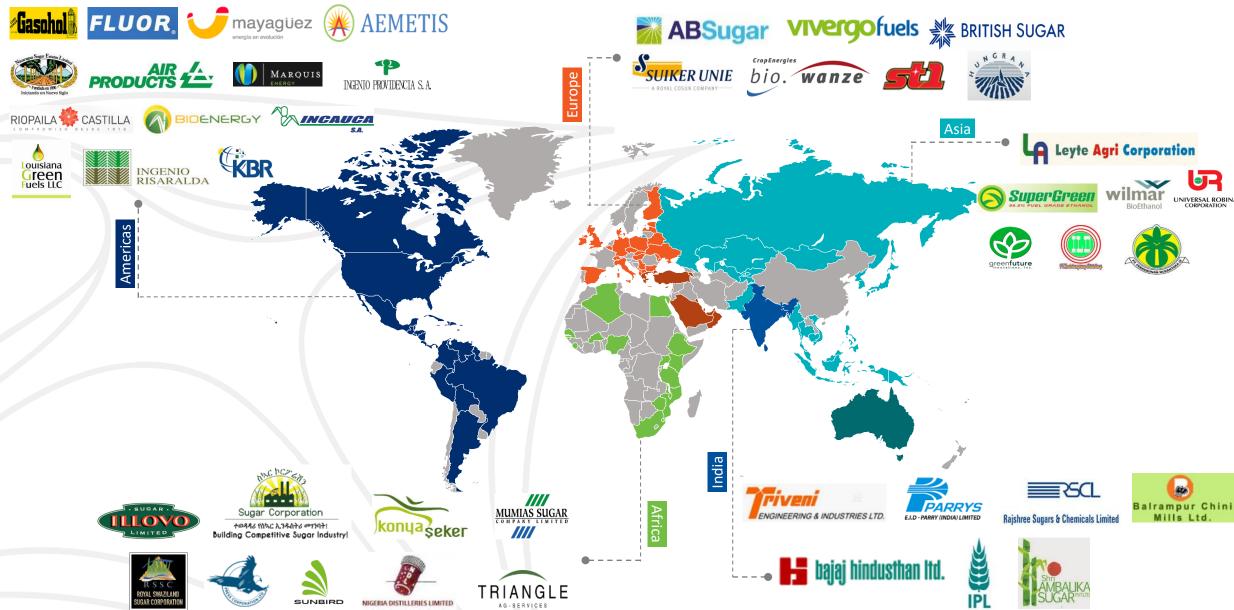


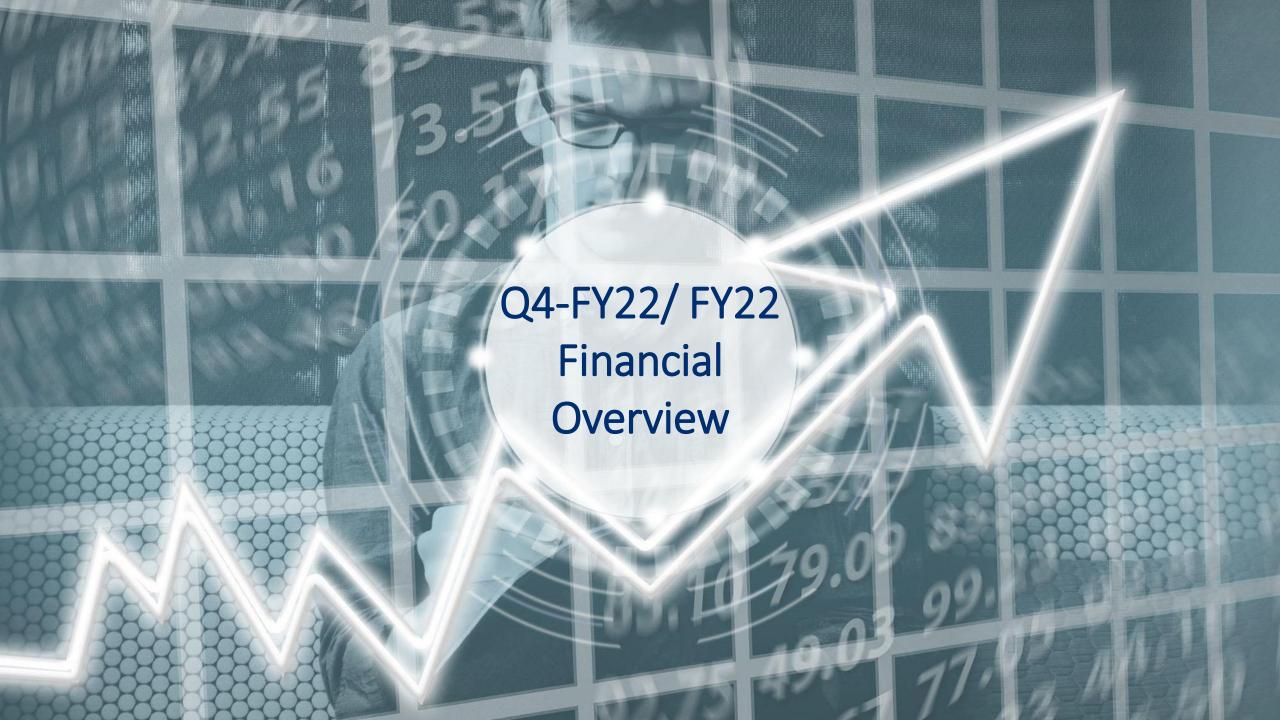


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### 1000++ References in 100+ countries across all 5 continents.. And Still counting







# Q4-FY22/FY22 Financial Highlights



### **Q4-FY22 Performance (Standalone)**

INR 7,393 Mn Operating Income	INR 699 Mn Operating EBITDA	9.45% Operating EBITDA Margins
INR 521 Mn Net Profit	<b>7.05%</b> PAT Margins	INR 2.83/Share Diluted EPS

### Q4-FY22 Performance (Consolidated)

INR 8,290 Mn Operating Income	INR 780 Mn Operating EBITDA	<b>9.41%</b> Operating EBITDA Margins
INR 576 Mn Net Profit	<b>6.95%</b> PAT Margins	INR 3.14/Share Diluted EPS

### **FY22** Performance (Standalone)

INR 20,532 Mn Operating Income	INR 1,841 Mn Operating EBITDA	<b>8.97%</b> Operating EBITDA Margins
INR 1,644 Mn Net Profit	<b>8.01%</b> PAT Margins	INR 8.95/Share Diluted EPS

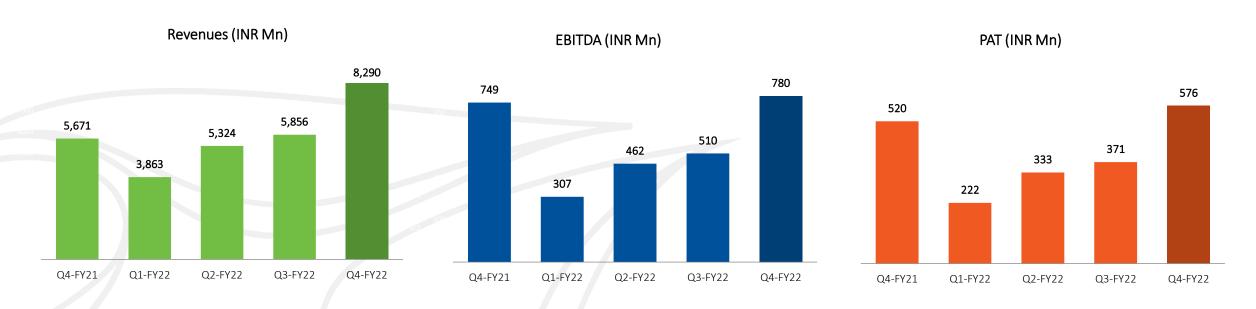
### **FY22** Performance (Consolidated)

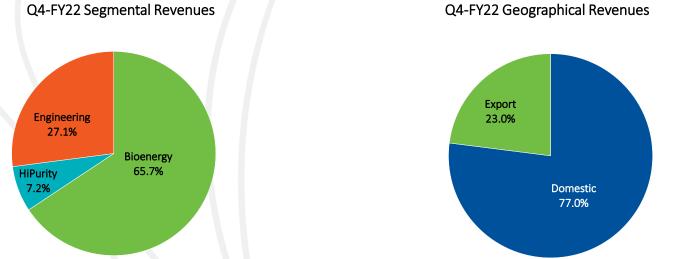
INR 23,333 Mn Operating Income	INR 2,058 Mn Operating EBITDA	<b>8.82%</b> Operating EBITDA Margins
INR 1,502 Mn Net Profit	<b>6.44%</b> PAT Margins	INR 8.18/Share Diluted EPS

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### Quarterly Financial Performance Trend (Consolidated)



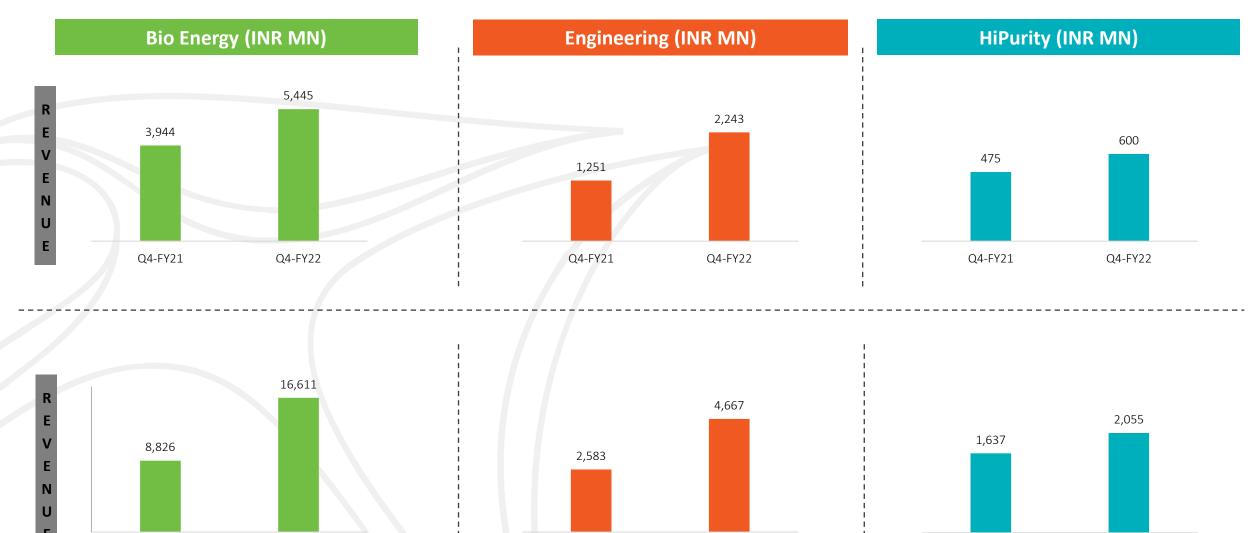




# Segmental Revenue (Consolidated)

FY22





FY21

FY22

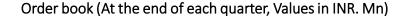
FY21

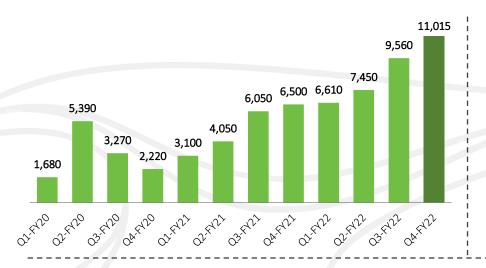
FY22

FY21

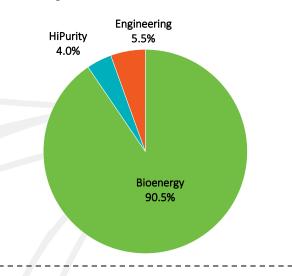
### Order Book & Order Backlog



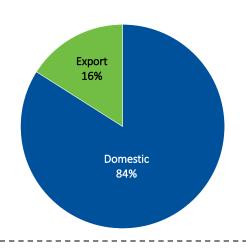




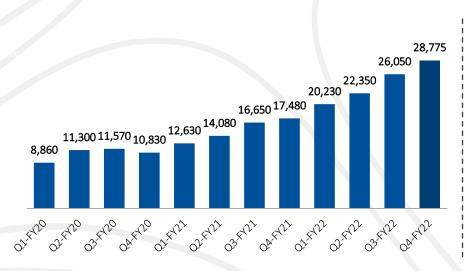
Q4-FY22 Segmental Order book - INR 11,015 Mn



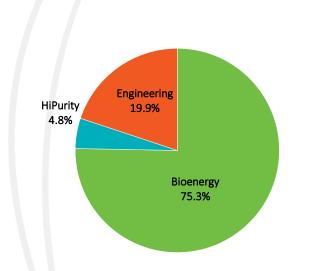
Q4-FY22 Geographical Order book



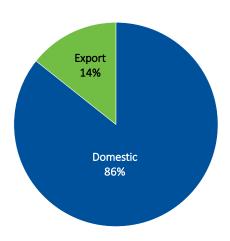
Order backlog (At the end of each quarter, Values in INR. Mn)



Q4-FY22 Segmental Order backlog – INR 28,775 Mn



Q4-FY22 Geographical Order backlog



Note: Engineering businesses include critical process equipment & skids, brewery and water & wastewater treatment segments.

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### Q4-FY22/FY22 Operational and Industry Highlights



#### **Operational Highlights:**

- Strong revenue growth in Q4-FY22 on a YOY and QOQ basis on the back of strong order book and good project execution.
- Rising raw material prices coupled with supply chain issues kept margins under pressure.
- **Bioenergy**: Business continued strong performance with a healthy order book exceeding INR 900 crores in this quarter with around 2/3 of these orders for ethanol based on starchy feedstock and nearly 30% of these orders are based on our new technology offerings.
- **CBG**: Government revised CBG prices from INR 46 per kg to INR 54 and indexed it to price of CNG enhancing financial viability of projects. Praj successfully commissioned and handed over two projects in Q4-FY22.
- CPES: Robust order book and a healthy prospect base as modularisation gaining acceptance with global customers. Almost 1/3 of the overall order booked in Q4-FY22 were for modules. To meet the increasing demand for CPES business, Company is adding capacity in Kandla facility.
- Brewery: Hospitality & tourism sectors slowly picking up and beer consumption reaching pre-covid levels resulting in brewery players considering to put up greenfield projects.
- Zero Liquid Discharge: Traction continues to build in markets of interest such as metals, chemical, fertilizers etc.
- PHS: As Indian pharma industry transits to global size capacity build in biopharma space, we expect fermentation technologies to acquire centre stage. Leveraging the parent organization's prowess in fermentation and PHS's deep understanding of sterile applications, we expect positive development on the business side.
- The Board of Directors proposed a final dividend of Rs 4.20 per equity share @210% of the face value of Rs 2 per equity share, for the financial year ended 31 March 2022, which is subject to the approval of shareholders at the forthcoming Annual General Meeting. This comprises of Final Dividend @ 135% plus a Special Amrit Mahostava Dividend @75% in commemoration of 75 years of independence.

#### **Industry Highlights:**

- Cabinet has amended biofuels policy, by advancing 20% ethanol blending target to 2025-26, allowing additional feedstock and granting permission for export of biofuels in specific cases
- Ethanol blending in petrol in India has reached ~10% mark. At present, India has a total ethanol production capacity of 8.5 billion liters, which includes 5.7 billion liters based on sugary feedstock while 2.8 billion liters based on starchy feedstock.
- Government has revised CBG prices from INR 46 per kg to INR 54; it will enhance financial viability of projects

### Other Highlights



### Dr. Pramod Chaudhari bestowed with the coveted 2022 William C. Holmberg Award



- During the global flagship industry event Advanced Bioeconomy Leadership Conference
   (ABLC) 2022 at Washington DC, USA, Dr. Pramod Chaudhari was bestowed with the
   coveted 2022 William C. Holmberg Award for 'Lifetime Achievement in the Advanced
   Bioeconomy'.
- This is first occasion when this award has come outside the USA and that too at a time when India is celebrating the Diamond Jubilee of Independence.

### Praj's 2G plant ranked as 5<sup>th</sup> Hottest while CBG plant ranked 7th Hottest project that are shaping the Advanced Global Bioeconomy

- IOCL's advanced biofuels refinery project at Panipat Complex based on Praj's proprietary 2G Ethanol technology was ranked 5th Hottest Project
- HPCL's CBG project based on Praj's Rengas technology was ranked 7th Hottest Project globally.





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# Quarterly Financial Performance - Standalone



Particulars (INR Mn)	Q4-FY22	Q4-FY21	Y-o-Y	Q3-FY22	Q-o-Q
Operational Income	7,393	4,992	48.1%	5,176	42.8%
Expenses	6,694	4,292	56.0%	4,701	42.4%
EBITDA	699	700	(0.1)%	475	47.2%
EBITDA Margins (%)	9.45%	14.02%	(457) Bps	9.18%	27 Bps
Other Income	68	50	36.0%	44	54.5%
Depreciation	59	47	25.5%	46	28.3%
Interest	7	6	16.7%	5	40.0%
Exceptional Items	/-	-	NA	300	NA
PBT	701	697	0.6%	768	(8.7)%
Tax	180	183	(1.6)%	127	41.7%
Profit After tax	521	514	1.4%	641	(18.7)%
PAT Margins (%)	7.05%	10.30%	(325) Bps	12.38%	(533) Bps
Other Comprehensive Income	6	3	100.0%	3	100.0%
Total Comprehensive Income	527	517	1.9%	644	(18.2)%
Diluted EPS (INR)	2.83	2.80	1.1%	3.49	(18.9)%

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# Annual Financial Performance - Standalone



Particulars (INR Mn)	FY22	FY21	Y-o-Y
Operational Income	20,532	10,885	88.6%
Expenses	18,691	9,871	89.4%
EBITDA	1,841	1,014	81.6%
EBITDA Margins (%)	8.97%	9.32%	(35) Bps
Other Income	217	167	29.9%
Depreciation	198	191	3.7%
Interest	21	23	(8.7)%
Exceptional Items	300	-	NA.
PBT	2,139	967	121.2%
Tax	495	254	94.9%
Profit After tax	1,644	713	130.6%
PAT Margins (%)	8.01%	6.55%	146 Bps
Other Comprehensive Income	(8)	9	(188.9)%
Total Comprehensive Income	1,636	722	126.6%
Diluted EPS (INR)	8.95	3.89	130.1%

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# Quarterly Financial Performance - Consolidated



Particulars (INR Mn)	Q4-FY22	Q4-FY21	Y-o-Y	Q3-FY22	Q-o-Q
Operational Income	8,290	5,671	46.2%	5,856	41.6%
Expenses	7,510	4,922	52.6%	5,346	40.5%
EBITDA	780	749	4.1%	510	52.9%
EBITDA Margins (%)	9.41%	13.21%	(380) Bps	8.71%	70 Bps
Other Income	75	42	78.6%	50	50.0%
Depreciation	67	53	26.4%	52	28.8%
Interest	8	6	33.3%	5	60.0%
PBT	780	732	6.6%	503	55.1%
Tax	204	212	(3.8)%	132	54.5%
Profit After tax	576	520	10.8%	371	55.3%
PAT Margins (%)	6.95%	9.17%	(222) Bps	6.34%	61 Bps
Other Comprehensive Income	(4)	1	NA	3	NA
Total Comprehensive Income	572	521	9.8%	374	52.9%
Diluted EPS (INR)	3.14	2.84	10.6%	2.02	55.4%

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# Annual Financial Performance - Consolidated



Particulars (INR Mn)	FY22	FY21	Y-o-Y
Operational Income	23,333	13,047	78.8%
Expenses	21,275	11,856	79.4%
EBITDA	2,058	1,191	72.8%
EBITDA Margins (%)	8.82%	9.13%	(31) Bps
Other Income	241	190	26.8%
Depreciation	226	221	2.3%
Interest	25	29	(13.8)%
РВТ	2,048	1,131	81.1%
Tax	546	320	70.6%
Profit After tax	1,502	811	85.2%
PAT Margins (%)	6.44%	6.21%	23 Bps
Other Comprehensive Income	(22)	11	NA
Total Comprehensive Income	1,480	822	80.0%
Diluted EPS (INR)	8.18	4.42	85.1%

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### Historical Standalone Financial Performance



Particulars (INR Mn)	FY19	FY20	FY21	FY22
Operational Income	9,233	9,419	10,885	20,532
Expenses	8,436	8,632	9,871	18,691
EBITDA	797	787	1,014	1,841
EBITDA Margins (%)	8.63%	8.35%	9.32%	8.97%
Other Income	219	299	167	217
Depreciation	200	188	191	198
Interest	7	25	23	21
Exceptional items		(98)	-	300
PBT	809	775	967	2,139
Tax	185	128	254	495
Profit After tax	624	647	713	1,644
PAT Margins (%)	6.76%	6.86%	6.55%	8.01%
Other Comprehensive Income	4	(12)	9	(8)
Total Comprehensive Income	628	635	722	1,636
Diluted EPS (INR)	3.42	3.53	3.89	8.95

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# Historical Standalone Balance sheet



Particulars (INR Mn)	FY20	FY21	FY22
ASSETS			
Non-Current Assets			
Property, Plant & Equipment	1,962	1,865	1,875
Capital Work in progress	21	6	21
Investment Property	137	137	137
ntangible assets	8	6	10
Financial Assets			
(i)Investments	1,974	1,974	2,221
(ii)Long-term Loans and Advances	49	-	-
(iii)Other	61	90	78
Deferred tax assets (net)	126	75	-
Other Assets	22	17	24
Sub Total Non Current Assets	4,360	4,170	4,366
Current Assets			
nventories	729	894	3,048
Financial Assets			
(i)Investments	1,150	2,778	3,906
(ii)Trade Receivables	2,657	3,727	4,169
(iii)Cash and Cash Equivalents	216	721	782
(iv)Other Bank Balances	15	251	278
(v) Others	42	45	72
Current tax assets (net)	32	-	-
Other Assets	1,426	2,095	4,086
Sub Total Current Assets	6,267	10,511	16,341
TOTAL ASSETS	10,627	14,681	20,707

Particulars (INR Mn)	FY20	FY21	FY22
EQUITY AND LIABILITIES			
Equity			
Share Capital	366	366	367
Other Equity	6,677	7,404	8,697
Total Equity	7,043	7,770	9,064
Non Current Liabilities			
(i)Lease Liability	-	113	126
(ii)Other Financial Liabilities	139	-	-
Provisions	161	144	155
Deferred Tax Liabilities	-	-	30
Sub Total Non Current Liabilities	300	257	311
Current Liabilities			
(i)Trade Payables	1,493	2,908	3,691
(ii)Other Financial Liabilities	138	105	190
(iii)Lease Liabilities	-	34	46
Other current Liabilities	1,596	3,342	7,089
Provisions	56	232	293
Current Tax Liabilities (Net)	-	33	23
Sub Total Current Liabilities	3,283	6,654	11,332
Sub Total Liabilities	3,583	6,911	11,643
TOTAL EQUITY AND LIABILITIES	10,627	14,681	20,707

Praj Industries Limited — 19

# Historical Consolidated Financial Performance



Particulars (INR Mn)	FY19	FY20	FY21	FY22
Operational Income	11,411	11,024	13,047	23,333
Total Expenses	10,527	10,205	11,856	21,275
EBITDA	884	819	1,191	2,058
EBITDA Margins (%)	7.75%	7.43%	9.13%	8.82%
Other Income	233	261	190	241
Depreciation	230	218	221	226
Interest	8	31	29	25
РВТ	879	831	1,131	2,048
Tax	197	127	320	546
Profit After tax	682	704	811	1,502
PAT Margins (%)	5.98%	6.39%	6.21%	6.44%
Other Comprehensive Income	6	(3)	11	(22)
Total Comprehensive Income	688	701	822	1,481
Diluted EPS (INR)	3.74	3.85	4.42	8.18

# **Historical Consolidated Balance sheet**

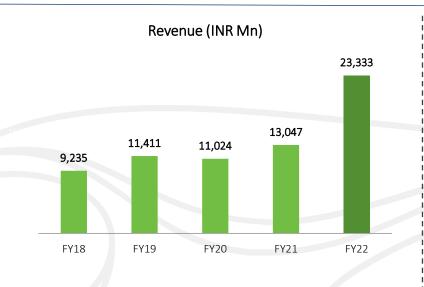


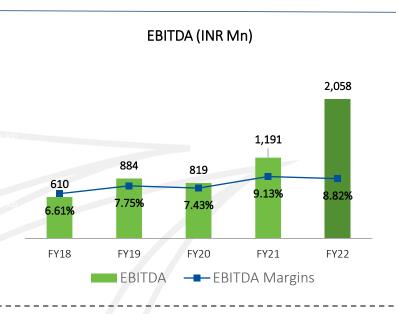
Particulars (INR Mn)	FY20	FY21	FY22
ASSETS			
Non-Current Assets			
Property, Plant & Equipment	2,167	2,064	2,085
Capital Work in progress	21	6	21
Investment Property	137	137	137
Goodwill	626	626	626
Intangible assets	8	8	12
Financial Assets			
(i)Investments	398	398	652
(ii)Long-term Loans and Advances	60	-	-
(iii)Other	127	151	139
Deferred tax assets (net)	180	104	19
Other Assets	93	91	31
Sub-Total Non-Current Assets	3,817	3,585	3,722
Current Assets			
Inventories	1,111	1,289	3,450
Financial Assets			
(i)Investments	1,237	2,950	3,979
(ii)Trade Receivables	3,301	4,534	5,118
(iii)Cash and Cash Equivalents	458	1,011	1,075
(iv)Other Bank Balances	35	313	476
(v)Loans	1	-	-
(vi) Others	39	46	74
Current tax assets (net)	85	-	-
Other Assets	1,532	2,210	4,233
Sub-Total Current Assets	7,799	12,353	18,405
TOTAL ASSETS	11,616	15,938	22,127

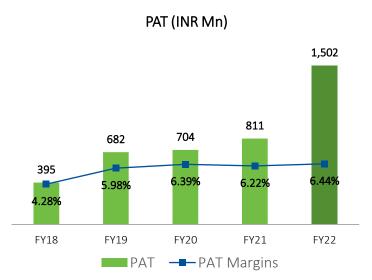
Particulars (INR Mn)	FY20	FY21	FY22
EQUITY AND LIABILITIES	1120	1121	1122
Equity			
Share Capital	366	366	367
Other Equity	6,826	7,652	8,790
Non Controlling Interest	7	7	7
Total Equity	7,199	8,025	9,164
Non-Current Liabilities			
(i)Lease Liability	-	113	147
(ii)Other Financial Liabilities	152	-	-
Provisions	172	157	171
Sub-Total Non-Current Liabilities	324	270	318
Current Liabilities			
(i)Trade Payables	1,875	3,416	4,248
(ii)Other Financial Liabilities	175	134	234
(iii)Lease Liabilities		63	63
Other current Liabilities	1,972	3,763	7,761
Provisions	73	251	315
Current Tax Liabilities (Net)	-	16	24
Sub-Total Current Liabilities	4,094	7,643	12,645
Sub-Total Liabilities	4,417	7,913	12,964
TOTAL EQUITY AND LIABILITIES	11,616	15,938	22,127

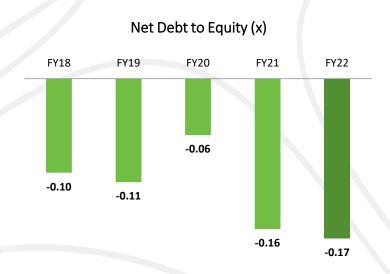
### **Consolidated Historical Financial Trends**

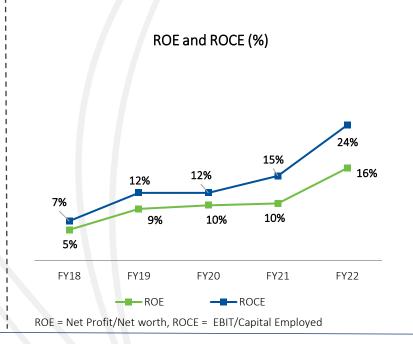


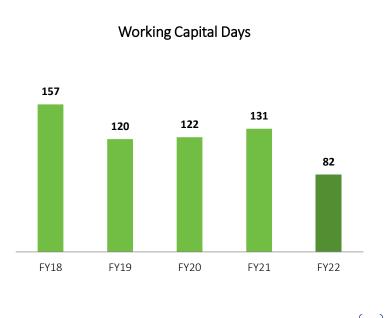












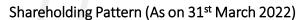
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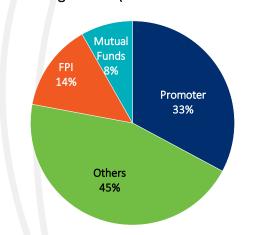
### **Capital Market Information**





PRICE DATA (As on 31 <sup>st</sup> March 2022)		
Face Value (INR)	2	
Market Price	398.2	
52 Week H/L (INR)	448.2/182.7	
Market Cap. (INR Mn)	73,147.8	
Equity Shares Outstanding (Mn)	183.6	
1 Year Avg. trading volume ('000)	1,703.1	





#### Dividend Pay out ratio (%)



\* Proposed dividend subject to shareholder approval

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