

Get Started

Ecodrive Innovations, a manufacturer of electronic bikes, seeks an evaluation of their production center's performance by comparing actual output with target output for the first six months of the year.

Objective

- Production Center Performance:** Assess the production performance of each production center and determine whether they achieved their overall and monthly targets.
- Company-Wise Overview:** Evaluate the company's production performance over the first six months and identify trends or areas of concern.

Data

- Target Production Data:** This dataset outlines the monthly production targets for electronic bikes to be produced by each production center over the first six months of the year.
- Actual Production Data:** This dataset outlines the actual monthly production of electronic bikes by each production center for the first six months of the year.

Target Production						
Production Center	Jan	Feb	Mar	Apr	May	Jun
Bangalore	4600	3800	3700	3800	4100	4000
Chennai	4700	4400	4400	4700	4800	4700
Mumbai	3600	3700	4000	4100	4100	4200
Delhi	2700	3000	3500	3800	4000	3400
Kolkata	3800	4500	4700	4100	4200	4000
Ahmedabad	2800	2900	2000	3500	4000	4000
Jaipur	2500	2600	2900	3000	3500	3800

Patna	2000	2500	2600	2000	2500	2900
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Actual Production						
Production Center	Jan	Feb	Mar	Apr	May	Jun
Bangalore	4000	3500	4000	3500	4600	5000
Chennai	4800	4900	5000	5200	5300	5600
Mumbai	3000	4500	4000	3400	4000	4700
Delhi	2300	3000	4200	3900	4200	3900
Kolkata	3400	4000	4700	4100	4300	4800
Ahmedabad	2200	2500	2500	3500	4000	4800
Jaipur	2000	2300	2500	2600	2700	3000

Production Overview	
Total Production	160400
Number of Months	6
Number of Production Centers	7
Average Production per Month	26733.33333
Average Production per Center	22914.28571

Month-wise Production Analysis	
Month	Production
Jan	21700
Feb	24700
Mar	26900
Apr	26200
May	29100
Jun	31800
Min Production	21700
Max Production	31800

Production Center-wise Analysis	
Production Center	Total Production
Bangalore	24600
Chennai	30800
Mumbai	23600
Delhi	21500
Kolkata	25300
Ahmedabad	19500
Jaipur	15100
Min Production	15100
Max Production	30800

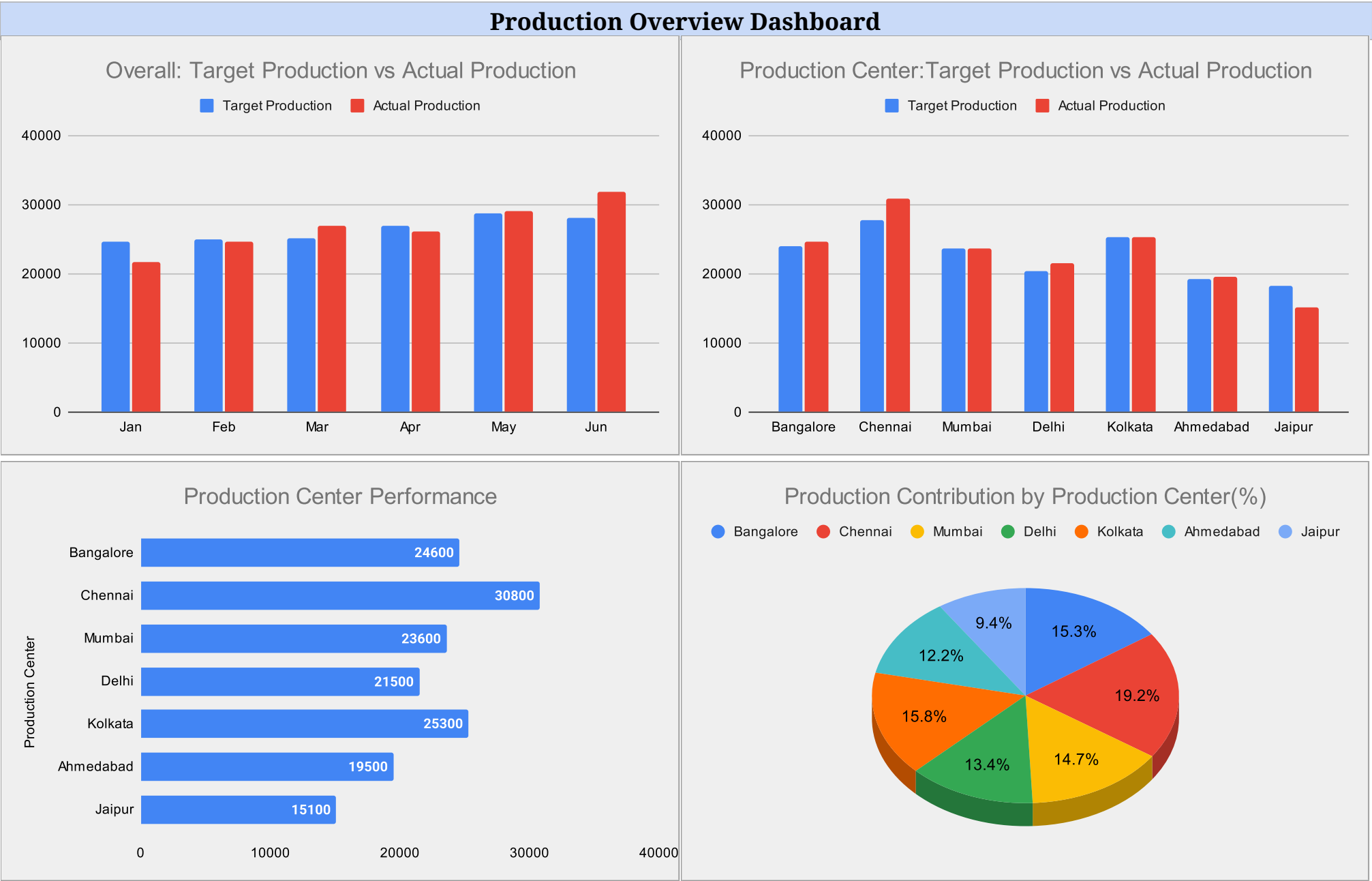
Production Center Performance Analysis																		
	Target Production						Actual Production						Target vs Actual					
Production Center	Jan	Feb	Mar	Apr	May	Jun	Jan	Feb	Mar	Apr	May	Jun	Jan	Feb	Mar	Apr	May	Jun
Bangalore	4600	3800	3700	3800	4100	4000	4000	3500	4000	3500	4600	5000	Target Missed	Target Missed	Target Achieved	Target Missed	Target Achieved	Target Achieved
Chennai	4700	4400	4400	4700	4800	4700	4800	4900	5000	5200	5300	5600	Target Achieved	Target Achieved	Target Achieved	Target Achieved	Target Achieved	Target Achieved
Mumbai	3600	3700	4000	4100	4100	4200	3000	4500	4000	3400	4000	4700	Target Missed	Target Achieved	Target Achieved	Target Missed	Target Missed	Target Achieved
Delhi	2700	3000	3500	3800	4000	3400	2300	3000	4200	3900	4200	3900	Target Missed	Target Achieved	Target Achieved	Target Achieved	Target Achieved	Target Achieved
Kolkata	3800	4500	4700	4100	4200	4000	3400	4000	4700	4100	4300	4800	Target Missed	Target Missed	Target Achieved	Target Achieved	Target Achieved	Target Achieved
Ahmedabad	2800	2900	2000	3500	4000	4000	2200	2500	2500	3500	4000	4800	Target Missed	Target Missed	Target Achieved	Target Achieved	Target Achieved	Target Achieved
Jaipur	2500	2600	2900	3000	3500	3800	2000	2300	2500	2600	2700	3000	Target Missed	Target Missed	Target Missed	Target Missed	Target Missed	Target Missed

Overall Performance Analysis			
Month	Target Production	Actual Production	Target vs Actual
Jan	24700	21700	Target Missed
Feb	24900	24700	Target Missed
Mar	25200	26900	Target Achieved
Apr	27000	26200	Target Missed
May	28700	29100	Target Achieved
Jun	28100	31800	Target Achieved

Product Center Overall Performance			
Production Center	Target Production	Actual Production	Target vs Actual
Bangalore	24000	24600	Target Achieved
Chennai	27700	30800	Target Achieved
Mumbai	23700	23600	Target Missed
Delhi	20400	21500	Target Achieved
Kolkata	25300	25300	Target Achieved
Ahmedabad	19200	19500	Target Achieved
Jaipur	18300	15100	Target Missed

Overall Growth Trend		
Month	Actual Production	Growth Rate
Jan	21700	
Feb	24700	13.82%
Mar	26900	8.91%
Apr	26200	-2.60%
May	29100	11.07%
Jun	31800	9.28%

Growth Trends-Production Center											
Actual Monthly Production							Month-wise Production Growth%				
Production Center	Jan	Feb	Mar	Apr	May	Jun	Feb	Mar	Apr	May	Jun
Bangalore	4,000	3,500	4,000	3,500	4,600	5,000	-13%	14%	-13%	31%	9%
Chennai	4,800	4,900	5,000	5,200	5,300	5,600	2%	2%	4%	2%	6%
Mumbai	3,000	4,500	4,000	3,400	4,000	4,700	50%	-11%	-15%	18%	18%
Delhi	2,300	3,000	4,200	3,900	4,200	3,900	30%	40%	-7%	8%	-7%
Kolkata	3,400	4,000	4,700	4,100	4,300	4,800	18%	18%	-13%	5%	12%
Ahmedabad	2,200	2,500	2,500	3,500	4,000	4,800	14%	0%	40%	14%	20%
Jaipur	2,000	2,300	2,500	2,600	2,700	3,000	15%	9%	4%	4%	11%



Insights from Analysis		
Company Performance		
Details	Month	Total Production
Highest Production Month	Jun	31800
Lowest Production Month	Jan	21700
Production Performance		
Details	Center	Total Production
Best Production Center	Chennai	30800
Underperforming Production Center	Jaipur	15100

Report for Management

- 1 June has been the most productive month, achieving the highest production output with 31,800 units.
- 2 January records the lowest production output, with only 21,700 units produced.
- 3 The Chennai Production Center stands out as the top-performing facility, with a total production of 30,800 units.
- 4 The Jaipur Production Center has underperformed, managing to produce only 15,100 units, indicating an area of potential improvement.