



# Kaizen Presentation



**KAIZEN THEME:** TO IMPROVE DELIVERY EFFICIENCY & TRUCK SPACE UTILIZATION.

**DATE OF IMPLEMENTATION:** 01/06/2024

|                   |
|-------------------|
| Productivity      |
| Quality           |
| Cost              |
| <b>Delivery</b> ✓ |
| EHS               |

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## COMPANY INTRODUCTION

**NAME:** MORIROKU TECHNOLOGY INDIA PVT. LTD, PHASE-II, NOIDA (UP).

**PRODUCTS:** Manufacturing plastic moulded parts, painted parts and its assembly.

### PHOTOGRAPH & FUNCTION:-

Our plastics injection Molding parts are transported safely with good quality products delivered from MTI Noida plant to MTI Kaharani Plant Rajasthan.



## Team Introduction



Name : AVINASH KR

Designation : ENGINEER

Department : INJECTION MOULDING



Name: ANKUSH RAGHAV

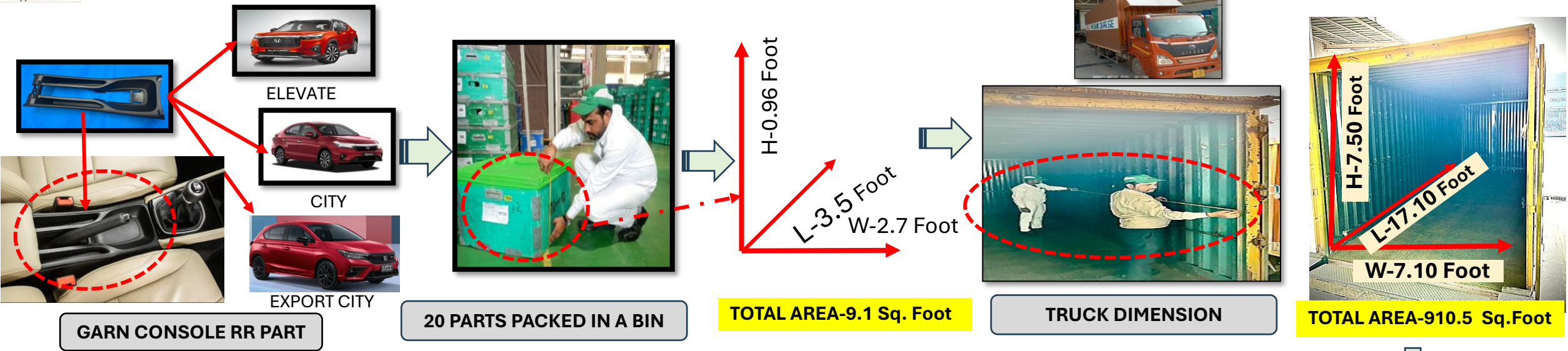
Designation : ASSOCIATE

Department: DISPATCH



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# BEFORE DISPATCH PROCESS



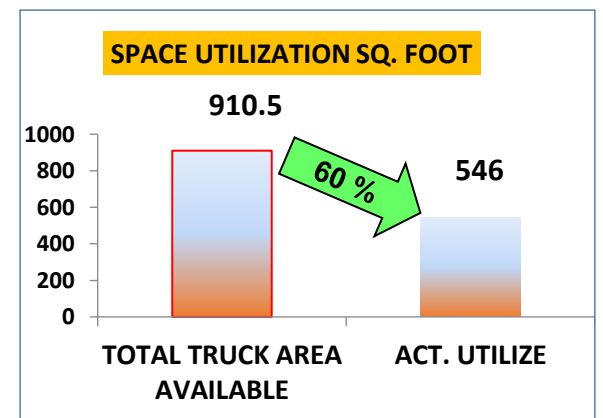
TRUCK LOADING PLANT-N

**1200 Parts**

TOTAL AREA CONSUMPTION IN TRUCK- 60 BIN X 9.1 = 546 Sq. Foot



TRUCK DISPATCH AT PLANT-K



- WE DISPATCH APRX. 60 BIN TOTAL 1200 PARTS FROM MTI-N TO MTI-K ON DAILY BASIS .
- MTI-K IS ABOUT 125 KM AWAY FROM MTI-N
- TRUCK SPACE UTILIZATION APPROX 60 %



# BEFORE KAIZEN (1<sup>st</sup>)

DISPATCH

60 Bin



RECEIVED

72 Bin



# AFTER KAIZEN (1<sup>st</sup>)

DISPATCH



RECEIVED



We are sending Moulding Part from MTI N to MTI-K Plant .

We have extended bin quantity height .

We have extended bin quantity height with the help packing tape

At Received end we have checked & observed that No bin fall down

- We Have dispatch Aprox 60 Bin total 1200 parts to MTI Kaharani & utilized only 60 % space in truck daily .
- Garn console parts dispatch in more quantity because this Parts was used in three Models Elevate, City, Amaze & EXPORT to Thailand.

- We dispatch Aprx. 72 Bin MTI Kaharani daily
- We have cover truck space area 72 %.
- Now we have start to Send total 1440 parts in one transport .



QC PASSED



# AFTER DISPATCH PROCESS



GARN RR CONSOLE



OBSOLETE TROLLEY



TROLLEY AREA 163.5 sq. foot



PACKING IN TROLLEY



400 PARTS IN PACK

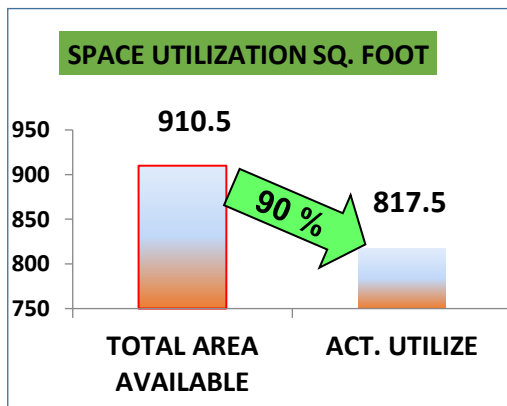
5 Trolleys  
400x5=2000  
Parts



TROLLEY LOADING



PART CHECKED QA



MOTIVATION & APPRECIATION

- WE DISPATCH 400 PARTS IN ONE TROLLEY TOTAL 2000 PARTS FROM MTI-N TO MTI-K ON DAILY BASIS .
- TRUCK SPACE UTILIZATION APPROX 90 %

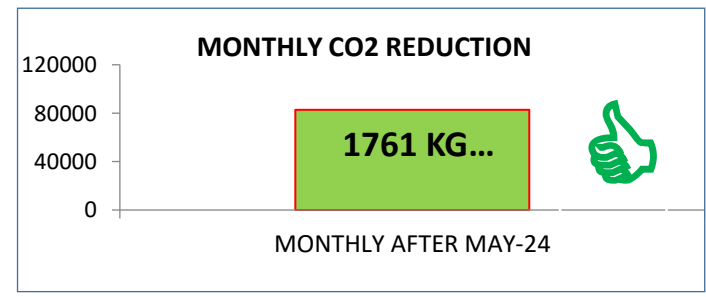
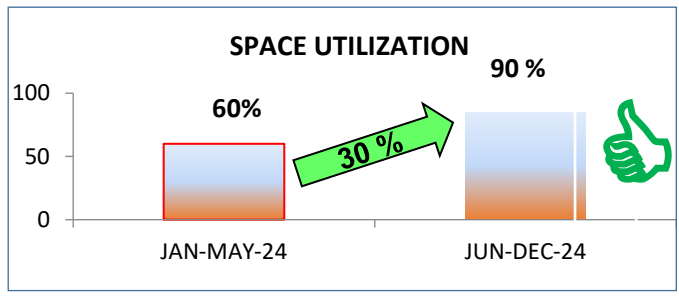


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# Benefits

Pls tick ✓ the benefits in below heads

| Productivity up % |                            |                        |       | Quality                 |           |        | Cost Saving In Rs/month |          | Delivery            |                                      |        | EHS                   |              |                |        |
|-------------------|----------------------------|------------------------|-------|-------------------------|-----------|--------|-------------------------|----------|---------------------|--------------------------------------|--------|-----------------------|--------------|----------------|--------|
| Process           | Material yield improvement | Space saving (sq. ft.) | Other | Rejection reduction (%) | Poka yoke | Others | Direct                  | Notional | Lead Time reduction | Customer delivery rating improvement | Others | Effect on Environment | Human Safety | Machine safety | Others |
|                   |                            |                        |       |                         |           |        | ✓                       |          |                     |                                      | ✓      | ✓                     |              |                |        |




**BEFORE**  
 TRUCK ROUND COST :12000 Rs  
 TOTAL PART BEFORE 1200 NOS.  
 PER PART DELEVERY COST: 10Rs

**AFTER**  
 TRUCK ROUND COST :12000 Rs  
 TOTAL PART AFTER 2000 NOS.  
 PER PART DELEVERY COST: 6 Rs  
 PER MONTH SUPPLY 15000 Nos.


**SAVING : 60000Rs Per Month**

TOTAL REJECTION LOSSES 4800 Rs  
 SCRAP TROLLEY COST 30000 Rs (10 Trolleys )  
 CELLO TAPE COST 150 Rs

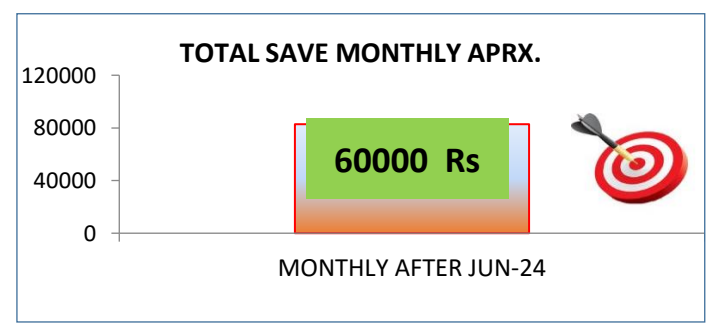
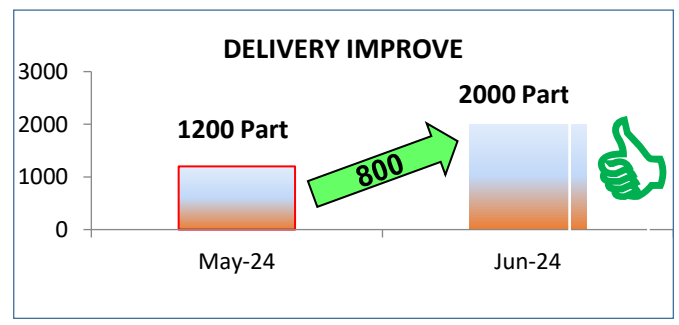
**TOTAL SAVING:29850 Rs First month**  
 Co2 Reduction per Month 660x2.6 Kg Co2 =1761 Kg



20 PARTS IN BIN




400 PARTS IN TROLLEY



## HORIZONTAL DEPLOYMENT

**BEFORE**



BASE FR GRILL ID/JP

**BEFORE 10 PARTS WERE SUPPLIED TO HCIL**

60 PARTS, 6 TROLLEYS IN ONE TRUCK, 200 RS /PART

**UNDER PROCESS**


**TRIAL TROLLEY 18 PARTS**



90 PARTS, 6 TROLLEYS IN ONE TRUCK

**NOW 15 PARTS SUPPLIED TO HCIL**

TROLLEY SIZE SAME

PER PART DELEVERY COST: 133 Rs





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**YOUR INPUTS ARE VALUABLE TO US**



**THANK YOU**