### Annexure (A): Status of Cluster at a Glance

Name of SPV/DPG : lamSME of India, Faridabad

Name of Cluster : Faridabad Engineering Cluster No.1 (FEC- 1)

Name of LMC : LBE Consulting Group, New Delhi

Brief Description :

Faridabad Engineering Cluster No.1 (FEC- 1) comprises of following 9 clusters units:

- 1. ACME Auto Pvt. Ltd.
- 2. Adroid
- 3. Allied Auto Industries
- 4. Allied Engineering Co.
- 5. Apex Plastics Model Unit
- 6. KP Tools Pvt. Ltd. Model Unit
- 7. MYO Metals
- 8. Samrat Enterprises
- 9. Technomech Industries

The customers of the most of the units are the automobile manufactures, Tier-I & Tier-II, but some of the cluster units also supplies to the white goods manufacturer & home appliances manufacturers as well. The product line of the cluster units consists of the Plastic Molded automobile parts & white goods parts, Sheet Metals parts, Fabricated Parts, High precision machined parts, Nuts, Bolts, Fasteners, & Fans parts.

Out of the 9 cluster units, 2 units namely Apex Plastics & KP Tools Pvt. Ltd. Benefitted the most from the amongst the cluster units & developed themselves as the Role Model cluster unit for the Lean Manufacturing Practices

MBR-4<sup>th</sup> of the cluster has been just completed, Phase-4 audit is in process & the activities of the Phase-5 has been started by the LMC.

## **Success Story with Photographs:**

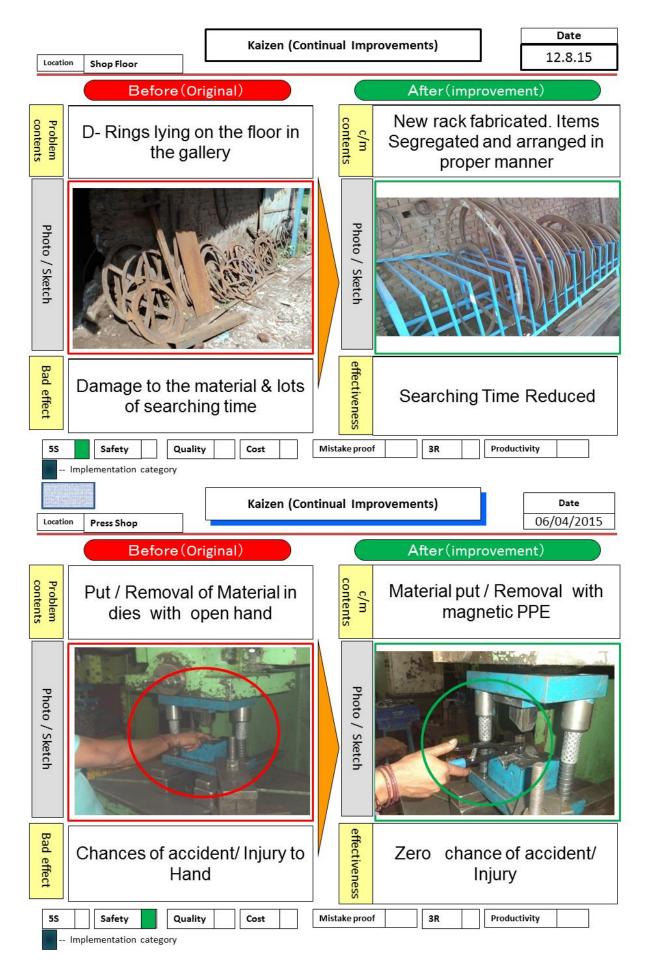
• Quantum of benefits (monetary and non-monetary) accrued so far

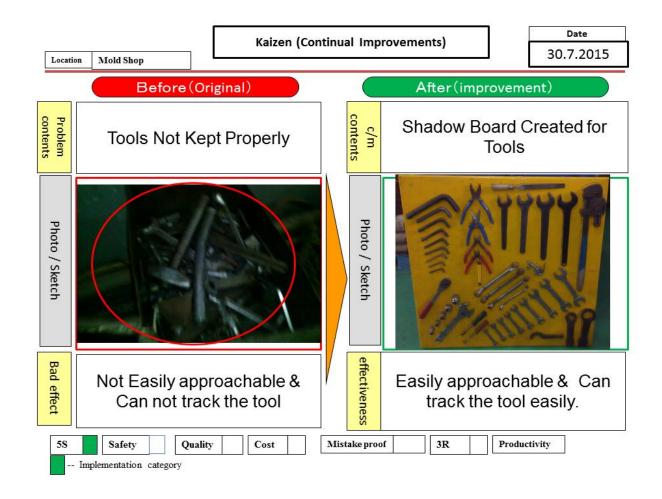
S.No.	Project details (in brief)	Status at start of Project	Current Status	Benefits Accrued (whichever applicable)			Remarks
				Monetary		Quantitative	(If Any)
1		activity in place, no 5S Red Tag Area, 5S zones does not exits	massive way. Red Tag Area created, 5S Zones identified & display, 5S Score RADAR charts display,	Generated: 2370 Sq. Ft. Scrap Sold & Red Tags items by 5S Activity: 11,600	environment. Reduced retrieval time of items.		
	,	No/ Less awareness of safety, no/less use of PPEs	Level-8, i.e. Near Miss identified & Rectified ,Use of PPEs started, no unsafe conditions		Reduced number of accidents & safe environment	N/A	
3	Work Place Cooperation (WPC)	Informal communication, No meetings in place, low morale	review meetings started, attendance awards, skill matrix &	suggestion s &	Moral & Motivation and employees involvement	Reduced absenteeism by 5 %	
	Management (VM)	Places Identification exits	Level-6, i.e. Identification done, Kaizen Board, At A Glance Board, PQCDSME Board, 5S Boards & Visual Boards Displayed, Gangways Marked.		Visually improved shop floor, Speaking factory.	N/A	

S.No.	Project details (in brief)	Status at start of Project	Current Status	Benefits Accrued (whichever applicable)			Remarks			
				Monetary		Quantitative	(If Any)			
	Productivity Improvement			5,02, 285/-	Reduced Labour Cost for the product	20 %				
6	Quality Improvement			Rs. 2,97,006/-	.Reduced Customer Complaints , Improved FTR & CSI	20 %				
7.	Energy Conservation		5 % Reduction in Energy Cost		Reduced Energy Cost		Like PF Panel Installation, LEDs & Natural Lighting			
	TPM (Total Productive Maintenance)		Level-6, Model machine Selection, Fugoi Concept & Implementation of activities, Visual CLITO Implementation & Declared ownerships for all machines	Observations		N/A				
TOTAL Rs. 29,34,242/-										

Photographs of the some of the improvements has been shown below:

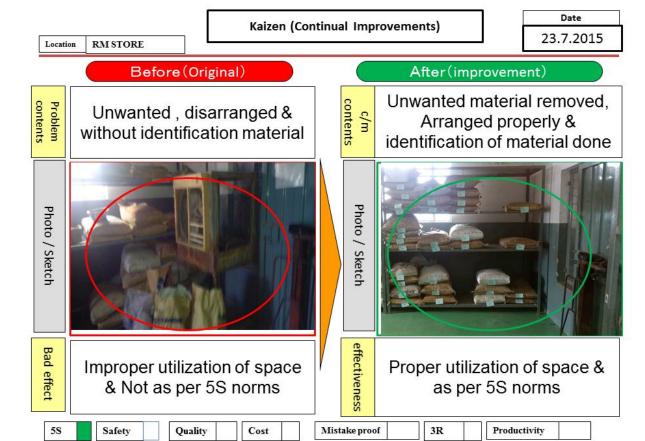






## SAFETY POINTS- NEAR MISS IDENTIFICATION





# **SUGGESTION SCHEME**

Implementation category

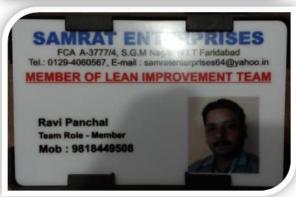


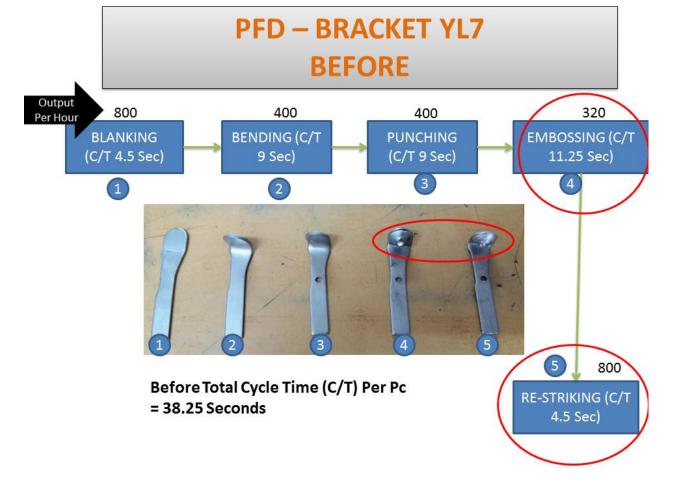
# 5S POCKET CARDS, LEAN DIARY & IDENTITY CARD











## **ACTION TAKEN**

**BEFORE** 

There are two separate tools for:

- 1. Embossing &
- 2. Re-Striking (For Degree Maintaining)





#### **AFTER**

Tools for the two operations has been combined, now there is only a single tool for:

 Embossing & Re-Striking (For Degree Maintaining)



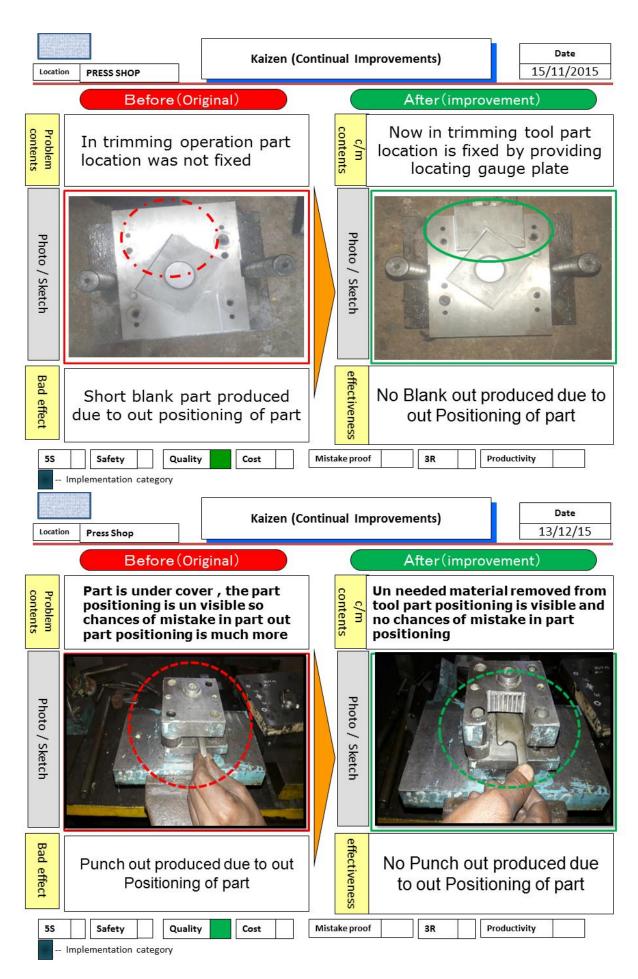
## **BENEFITS**

These are the following benefits:

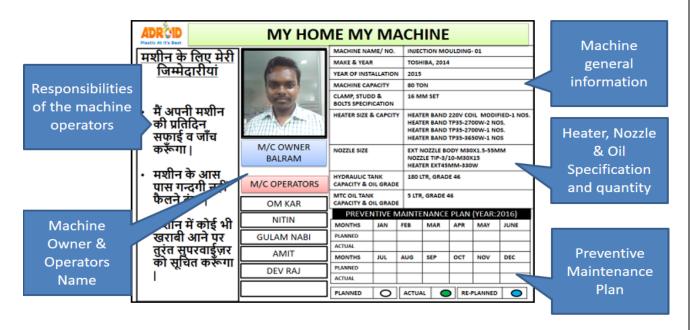
- 1. Eliminated 1 Process
- 2. Saved 1 Manpower & 1 Machine for some other work
- 3. Before Total Cycle Time (C/T) Per Pc
  = 38.25 Seconds After C/T=33.75
  Seconds Improvement %= 11.76

%





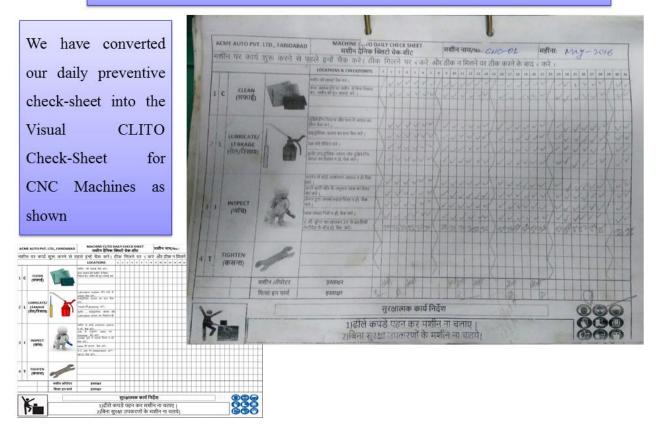
### MY HOME MY MACHINE CONCEPT



My Home My Machine format contains all the data related to machines which is required at the time of the maintenance



### VISUAL CLITO SHEET



# **FUGOI TREE & TAGS**



We have made a FUGOI tree , department wise and displayed it near the reception area, all the problems related to the maintenance displayed on the FUGOI Tree in the form of the Red & White Tags.

#### **Way Forward**

The MBR-4 Report has been submitted to the NPC & the activities related to the Phase-5 has been started in the cluster units. Although the Phase-5 topics has been chosen by the cluster units but the project topics for the phase-5 in most of the units are PPC, Stores management and Advanced SOP as these things are required for all companies for the sustenance.

Final Phase will the very beneficiary for all the cluster units as it will give the sustenance to all activities of the Lean Manufacturing & it will be challenging to implement the PPC & Stores management in SMEs units.

Problems if any :

No