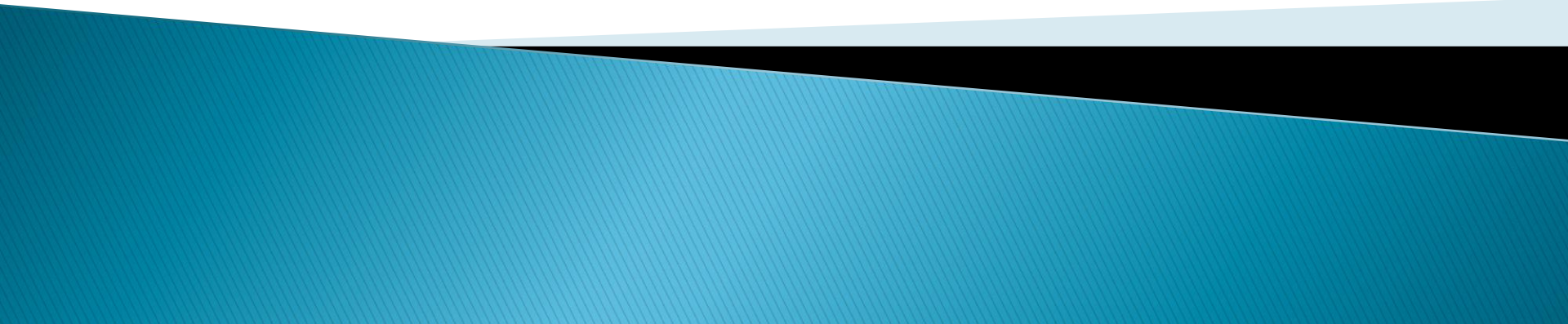
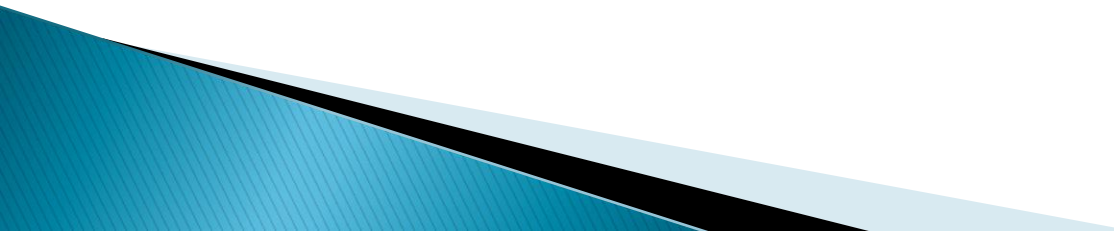


IPS (Integrated programme strategy) Project

Aspects of conformity Quality Assessment of
Food Fortification Project



About the Integrated programme strategy–

- ▶ Gain is supporting technically and financially to IPS Project
 - ▶ The project was launched in February 2010, fortified wheat flour and oil was launched for open market by Shri Parasadi Lal Meena, Honorable Minister of Food and Civil Supplies, Govt. of Rajasthan
- 

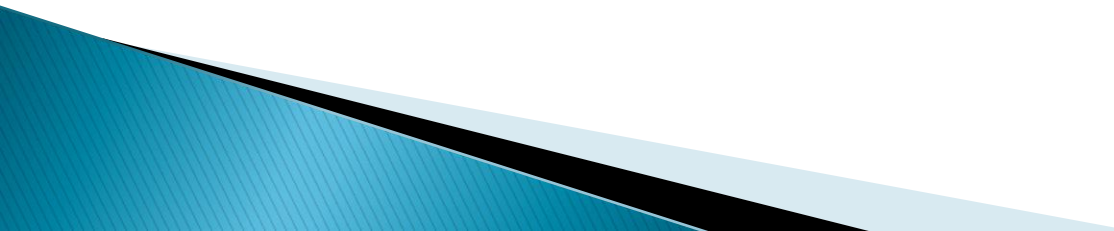
Goal & Objectives of IPS Project

▶ Goal–

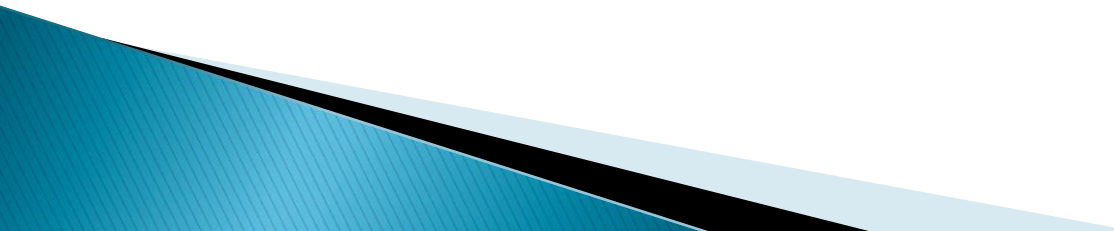
To improve the micronutrient status of general population especially children, pregnant and nursing mothers through large scale staple food fortification in the State of Rajasthan.

▶ Objective–

Generally, to reduce micronutrient malnutrition in the State of Rajasthan by making available fortified wheat flour, oil milk and soydal analogue through both the open market and government distribution channels.



IPS project seeks to–

- ▶ Reduce the prevalence of anemia and vitamin A deficiency by 30% in the target population
 - ▶ Increase the availability of fortified wheat, oil and milk through the organized sectors in the state from nil to 90% and increase the consumption by the population from nil to 30%.
 - ▶ Demonstrate the technical and operational feasibility of introducing fortified foods through Mid-Day Meal Scheme and the Integrated Child Development Services Project.
- 

Wheat Flour Fortification ratio and Conformity range

- ▶ Wheat Flour Fortifications ratio–

Iron– 30 mg per kg

Folic Acid– .030mg per kg

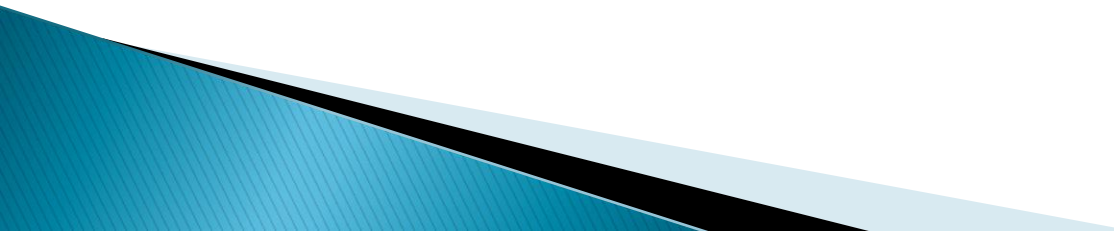
Vitamin B –.001 mg per kg

- ▶ Wheat Flour Testing conformity Range–

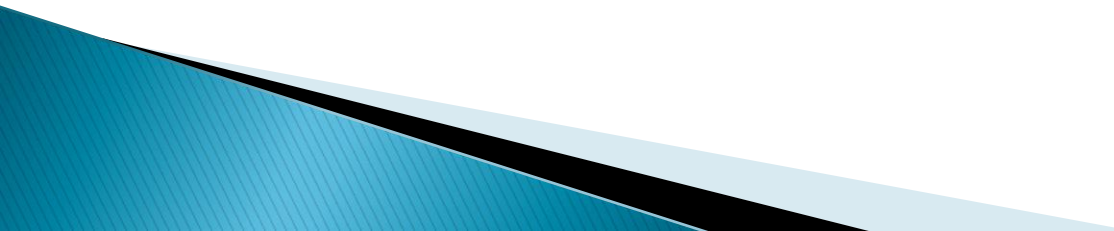
Wheat Flour – 27– 33 per kg

Oil & Milk Fortification ratio and Conformity range

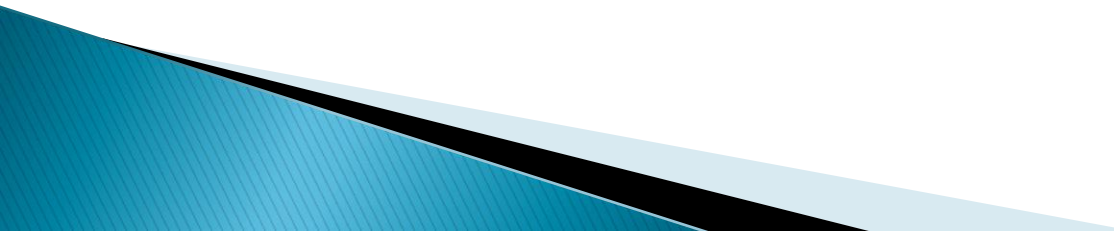
- ▶ Oil Fortifications ratio –
Vitamin A– 25 iu/ gm
Vitamin D – 2 iu/ gm
 - ▶ Oil Testing conformity range –
(22.5 to 27.5 iu/gm)

 - ▶ Milk Fortifications ratio–
Vitamin A– 2 iu/ ml
Vitamin D – .4 iu/ ml
 - ▶ 2.9–Milk Testing conformity range –
(0.8 to 2.2 iu/ml)
- 

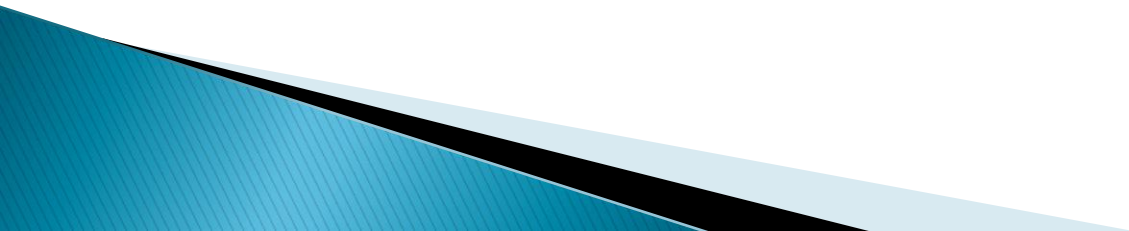
Objectives–

- ▶ To know Aspects of Quality Assessment of Food Fortification Project.
 - ▶ To know Conformity status among fortified wheat flour, oil and milk.
- 

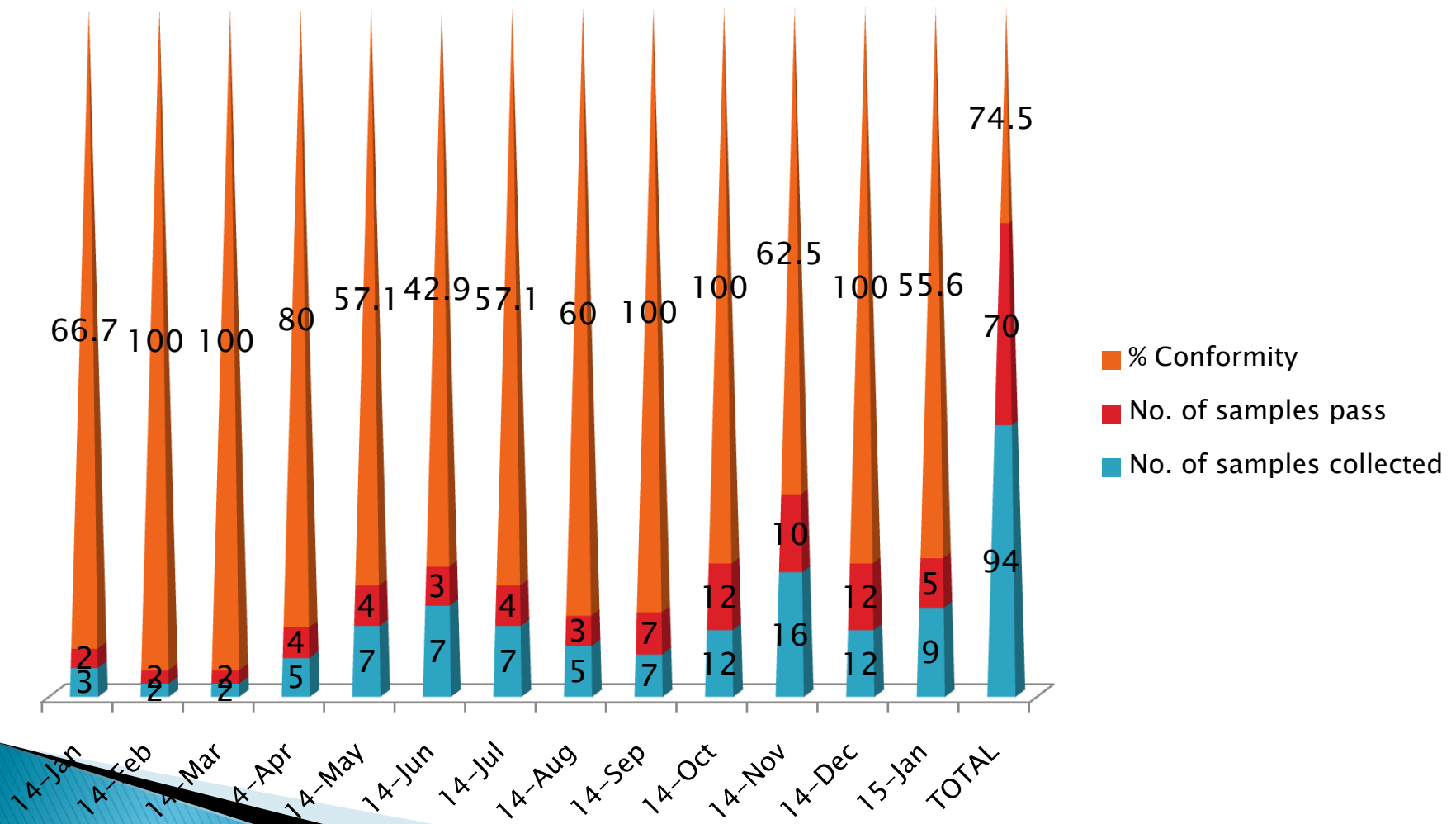
Methodology–

- ▶ Type of study: Descriptive study.
 - ▶ Method of data collection: secondary data
 - ▶ Data analysis: data analysis has done in ms excel.
- 

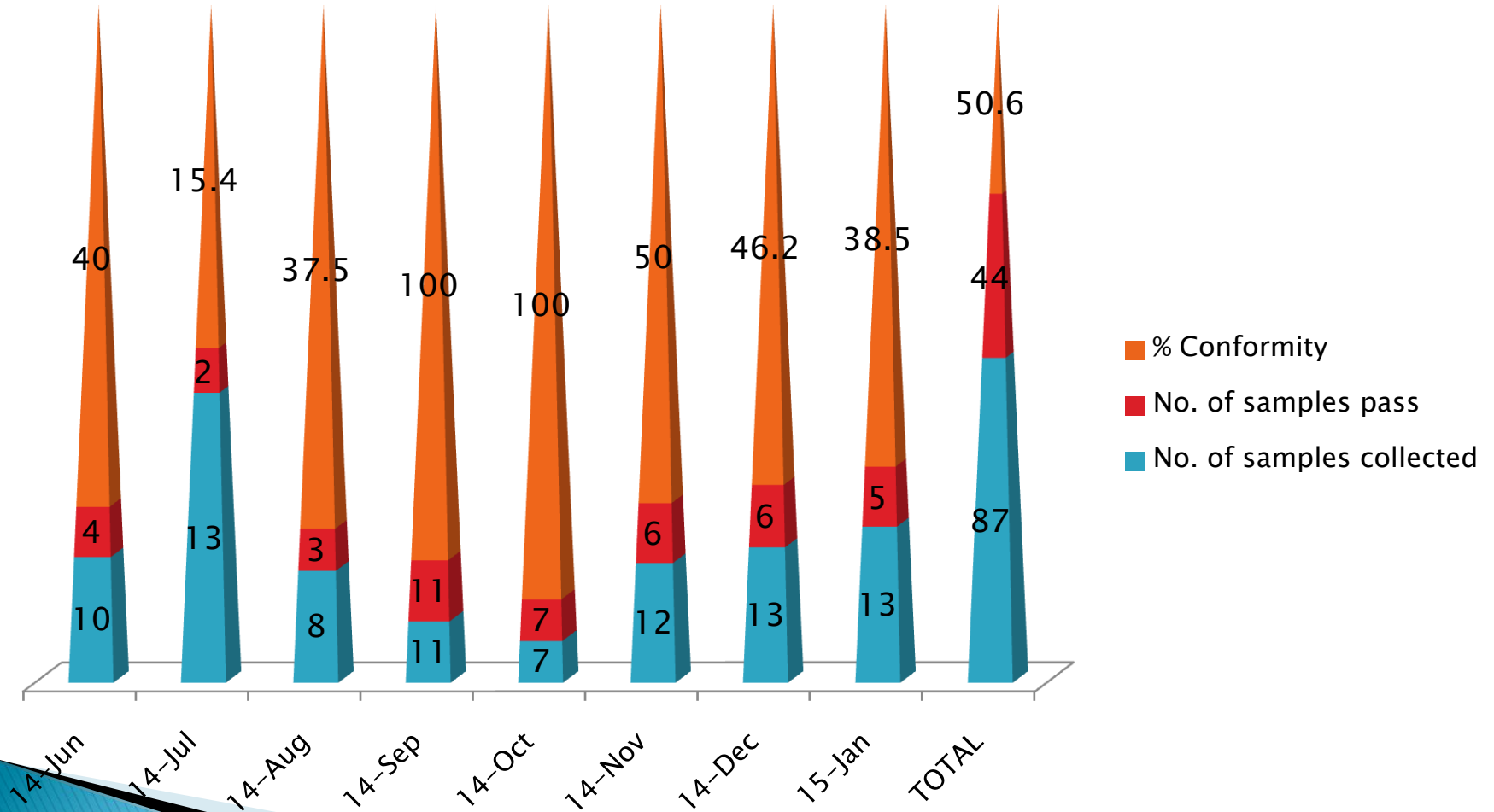
Results–



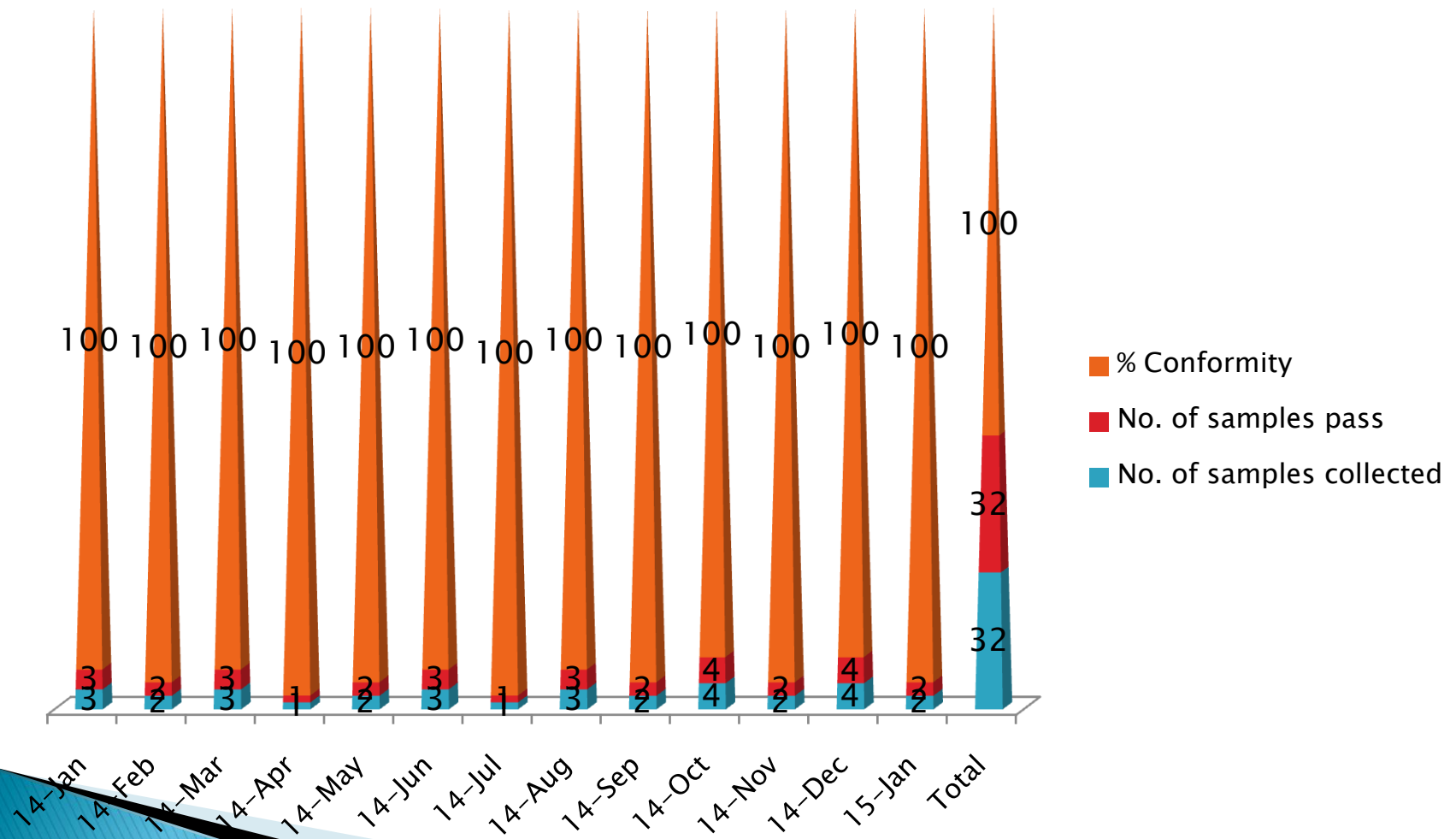
Roller Flour Mills –



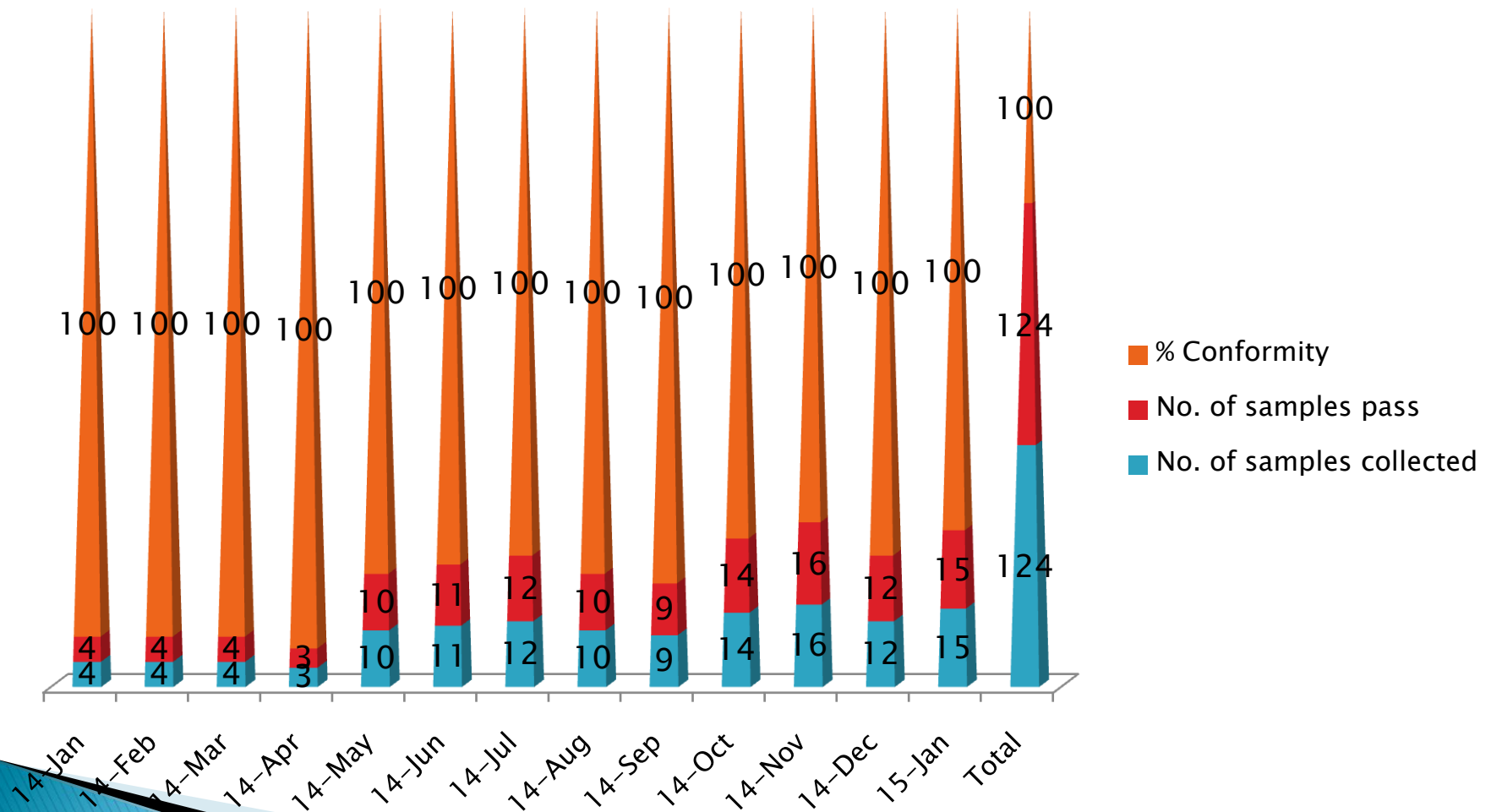
Small Chakki



Oil Refineries–



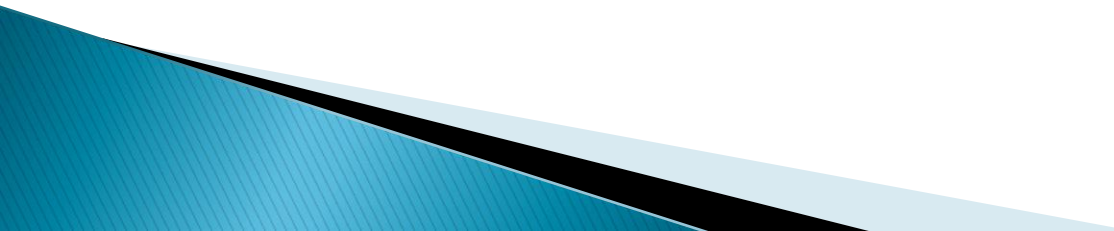
Milk Dairies_–



Findings

- ▶ Study shows that percentage of conformity wheat flour is less than oil and milk because it dose not mix easily with fortification vehicle.
- ▶ Study shows that conformity oil and milk is 100 % because both are easily mixable with fortification vehicle

Suggestions

- ▶ Advise government leaders as they prepare national legislation and standards for flour fortification.
 - ▶ Provide scientific guidance and support for research related to flour fortification.
 - ▶ Some degree of regulatory monitoring is critical. Of the three main categories of regulatory monitoring – internal monitoring (conducted at factories and packers), external monitoring (conducted at factories and packers) and commercial monitoring (conducted at retail stores) – internal monitoring is a must. In settings where effective enforcement mechanisms exist, it is usually sufficient to confirm compliance with regulations in samples taken from retail stores (commercial monitoring). Elsewhere it is prudent to conduct external monitoring at both the factory level and at retail stores.
- 

References

- ▶ <http://foodsystsinnovation.org.au/resource/global-alliance-improved-nutrition> access on dated 07/04/2015
- ▶ <http://ffprajasthan.blogspot.in/p/about-project.html>
- ▶ <http://ffprajasthan.blogspot.in/p/about-project.html>
- ▶ <http://www.fao.org/docrep/w2840e/w2840e0b.htm>
- ▶ <http://www.fao.org/docrep/w2840e/w2840e0b.htm>
- ▶ <http://www.fao.org/docrep/w2840e/w2840e0b.htm>
- ▶ <http://www.ffinetwork.org/implement/premix.html>
- ▶ http://www.ffinetwork.org/implement/documents/Premix_Best_Practice270408.pdf
- ▶ [\(http://ffprajasthan.blogspot.in/\)](http://ffprajasthan.blogspot.in/)
- ▶ <http://www.ffinetwork.org/monitor/index.html>
- ▶ <http://www.ffinetwork.org/implement/index.html>
- ▶ Annex 4 – micronutrient fortification of food: technology and quality control*
- ▶ Annex 4 – micronutrient fortification of food: technology and quality control*