


Intervening Technology/Technique	Reduction in the “Edge Cutter” Waste by Adjustment of “Deckle Guard”.
About the Industry where implemented	M/s. Vaibhav Paper Boards Private Limited is located at Vapi, Gujarat. The Company is engaged in manufacturing of kraft paper.
Implemented Techniques/Technology	<p>Before</p> <ul style="list-style-type: none"> • When the paper is passed through the wire section for dewatering, total width of wire section was more than required width of the paper, thus, “Deckle Guard” was adjusted to 5.5 inch width from both ends of the wire. • Due to this adjustment, when the paper was cut through the “Edge Cutter” for getting the desired width (106 inches or 269.24 cm), there was a generation of wet broke which was required to be reprocessed through the drum thickener via Couch Pit. This reprocessing increases production cost and resource consumption. <p>After</p>  <ul style="list-style-type: none"> • Industry after evaluation, readjusted the “Deckle Guard” by reducing the width from 5.5 inches to 3 inches at both the ends of wire section. • The waste from the “Edge Cutter” is reducing about 2.5%-3%. Which in turn reduced the reprocessing cost i.e., about 9 Rs./kg. • With no capital cost investment the industry saves Rs. 5,10,300 per annum in the reprocessing of broke.



Benefits	Before	After
<i>Economical</i>	<ul style="list-style-type: none">• High cost of production due to reprocessing cost of the material	<ul style="list-style-type: none">• Reduction in production cost due to optimization of reprocessing
<i>Environmental</i>	<ul style="list-style-type: none">• Additional resource consumption leads to excess emission & chemical usage	<ul style="list-style-type: none">• Reduction in emissions and chemical usage by reducing reprocessing of material
<i>Social</i>	<ul style="list-style-type: none">• Workers are not aware of resource conservation	<ul style="list-style-type: none">• Workers skill for resource conservation improved

