

Intervening technology / technique	Process Modification - Recovery of Fibre from Couch Pit and 2nd Stage Centri – Cleaner.
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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.
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Implemented technology / technique	<p>Before</p> <ul style="list-style-type: none"> • During Kraft paper manufacturing process, output of 2nd Stage Centri-cleaner collected in Couch pit was reprocessed after screening through inclined screen and sent to the thickener. • The inclined screen was found to be non-efficient and there was a loss of about 5% (based on 70 TPD production) fiber with the rejects. <p>After</p> <ul style="list-style-type: none"> • Additional sidehill screen is placed in process, after the couch pit, to reduce continuous recirculation of pulp with direct supply to mixing (machine) chest after screening and fiber recovery with by-passing thickener and refiner. • This modification in process helps in recovery of about 5% (Base on 70 TPD Production) fiber. • Total capital cost invested by industry is Rs. 1, 70,000 with total saving of Rs. 14, 17,500 per annum giving a simple payback in 2 months.
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Benefits	Before	After
<i>Economical</i>	<ul style="list-style-type: none">• Increase in TSS load at ETP thus affected water quality with increased quantity of solid waste generation and loss of valuable fiber.	<ul style="list-style-type: none">• Reductions in TSS load at ETP which in turn increases the quality of recirculating water with recovery of valuable fiber which can be reused in the process.
<i>Environmental</i>	<ul style="list-style-type: none">• Increased the load of TSS on ETP as well as increased solid waste quantity for disposal.	<ul style="list-style-type: none">• Reduction in TSS loads on ETP with reduction in solid waste generation for disposal.
<i>Social</i>	<ul style="list-style-type: none">• Negligence of workers on useful resources going as waste	<ul style="list-style-type: none">• Workers skills to conserve resources have been improving.

