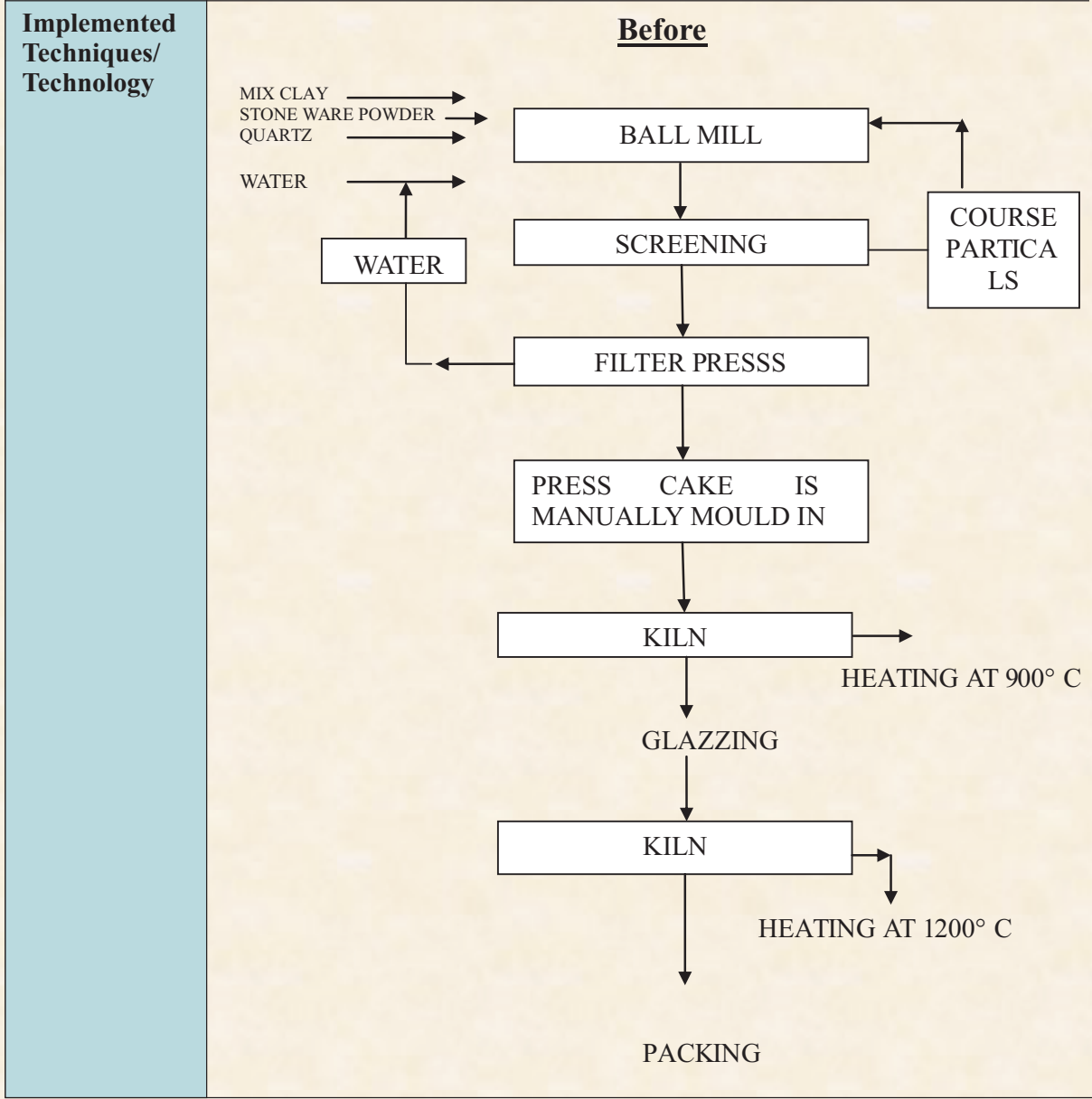


Intervening Technology/Technique	Use of Lightweight Refractory Material called “Ultralite” as Thermal Insulation for Rotary Kiln in Ceramic Industry
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About the Industry	M/s. Ravi Ceramic located at Naroda, Ahmedabad.
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	<u>After</u>	
	<p>The industry is using PNG fired kiln and car trolley is being pushed in the kiln to gain the strength and glossiness. The car being use is made of full HFK Bricks. The specific heat of HFK Bricks is higher than the unique light weight refractory material called 'Ultralite' that has excellent thermal insulation properties. Its thermal characteristic is now proving itself to save significant energy and costs associated with the overall kiln operation.</p>	
Benefits		
<i>Economical</i>		
	Daily PNG consumption	650.00
	Cost of PNG	32.50
	Saving on PNG	12%
	Cost of saving per day (900*12%*21.30)	2535.00
	No. of working days in years	300
	Annual saving in Rs.;	760500.00
	Rate of return (Payback period) (730382*690120)*12	9 Months

