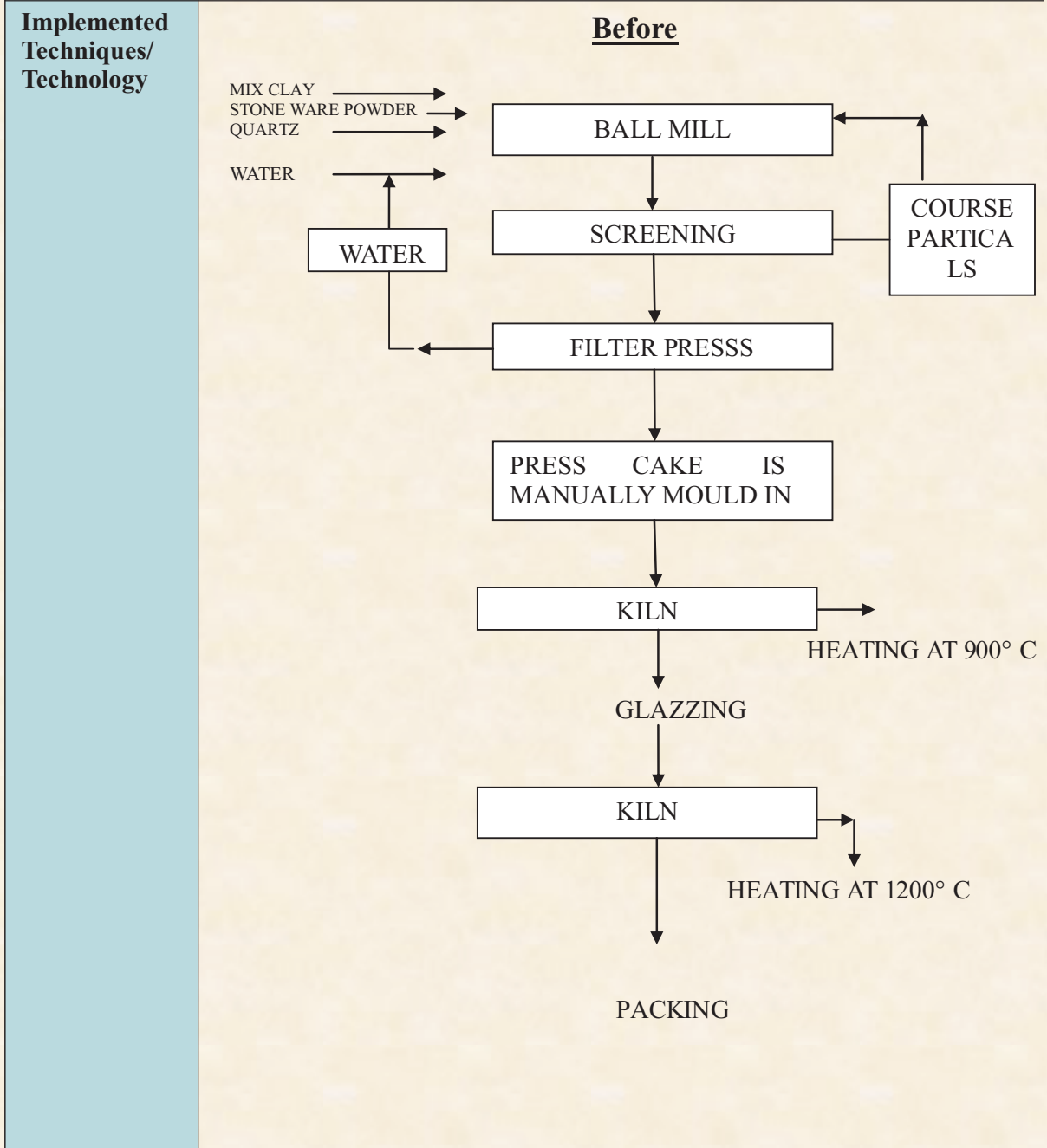


Intervening Technology/Technique	Use of Lightweight Refractory material called “Ultralite” as Thermal Insulation for Rotary Kiln in Ceramic Industry
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About the Industry	M/s. Sanya insulator located at Ahmedabad, Gujarat.
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	<u>After</u> The industry is using PNG fired kiln and car trolley is being pushed in the kiln to gain the strength and glossiness. The car is being use of made of full HFK Bricks. The specific heat of HFK Bricks is higher than the unique lightweight 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.														
Benefits															
<i>Economical</i>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Average daily PNG consumption</td> <td style="text-align: right;">750 MQ</td> </tr> <tr> <td>Cost of PNG per MQ</td> <td style="text-align: right;">32.50</td> </tr> <tr> <td>Savings on PNG</td> <td style="text-align: right;">12%</td> </tr> <tr> <td>Cost of saving per day (750*12%*32.5)</td> <td style="text-align: right;">2925.00</td> </tr> <tr> <td>No. of working days in year</td> <td style="text-align: right;">300</td> </tr> <tr> <td>Annual saving in Rs.</td> <td style="text-align: right;">877500.00</td> </tr> <tr> <td>Rate of return (Payback)</td> <td style="text-align: right;">7 months</td> </tr> </table>	Average daily PNG consumption	750 MQ	Cost of PNG per MQ	32.50	Savings on PNG	12%	Cost of saving per day (750*12%*32.5)	2925.00	No. of working days in year	300	Annual saving in Rs.	877500.00	Rate of return (Payback)	7 months
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