

₹38.6 crore**Working-capital
opportunity**

A year. Inventory turning 1.44 times to 1.58.

4 d 12 h**Sooner on the plan**

One month. 41 days 10 hours to 36 days 22 hours.

91**Batches in the month**

13 orders, 80 reactors

API MANUFACTURING | ONE PLANT

10% more capacity at an API manufacturing plant.

The month was 13 orders, 91 batches and 80 reactors. The hand-built plan took 41 days 10 hours. The new plan took 36 days 22 hours.

The hand-built plan set the length of the month.

Thirteen orders had to be made as 91 batches across 80 reactors. Built by hand, that plan took 41 days 10 hours.

Neuron put the orders, the batches and the reactors on one plan.

The scheduled plan is 36 days 22 hours, which is 4 days 12 hours sooner, about 10% more capacity. This is a comparison of plans. It is not a record that every batch finished on the floor at that time.

13 orders

Due in the month

91 batches

How each order is made

80 reactors

Where a batch can run

One schedule for the month

The same orders were planned in 36 days 22 hours, from 41 days 10 hours.

A shorter plan, and the working capital on the turn.

The 10% is the shorter plan. The rupee is a working-capital opportunity on the inventory, not cash already released.

FINDING

The hand-built plan set the length of the month.

Thirteen orders and 91 batches, scheduled by hand across 80 reactors, took 41 days 10 hours.

ACTION

Schedule the batches on the reactors.

The orders, the batch sequence, and the reactors were planned as one schedule.

RESULT

36 days 22 hours on the plan.

On this month's plan, the same orders came in 4 days 12 hours sooner, from 41 days 10 hours to 36 days 22 hours. Over a year, ₹386 crore turning 1.44 times to 1.58 is a working-capital opportunity of ₹38.6 crore.

The month's plan

	Hand-built	Scheduled
Orders	13	13
Batches	91	91
Plan length	41 days 10 hours	36 days 22 hours
Reactors	80	80
Turns a year	1.44	1.58

₹38.6 crore is a working-capital opportunity on ₹386 crore. The shorter plan is not proof of shop-floor completion.

What the shorter plan is worth.

The plan is 4 days 12 hours shorter, about 10% more capacity. ₹38.6 crore is a working-capital opportunity on ₹386 crore turning from 1.44 times a year to 1.58.

One API plant, one monthly plan. ₹38.6 crore is a working-capital opportunity on ₹386 crore turning 1.44 times a year.