



KAMARAJ IAS ACADEMY
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BEL to manufacture RxT17 Hemodialysis machine

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Bharat Electronics Limited (BEL) will manufacture a new dialysis machine called RxT17.

It is one of India's first indigenously developed hemodialysis machines.

Who developed it?

The machine is designed by Renalyx, while BEL will manufacture and distribute it.

What is a hemodialysis machine?

It is a medical device used for patients with kidney failure.

It removes waste and extra fluids from the blood when kidneys cannot do so.

Key features of RxT17

Colour touchscreen display for easy use

Provides real-time data on patient and machine status

Has audio and visual alarms for safety

Compatible with standard hospital consumables

Easy to operate and maintain

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Why is this important?

Boost to “Make in India”

Reduces dependence on imported dialysis machines

Strengthens India’s medical technology (MedTech) sector

Helps patients

Useful for people with chronic kidney disease

Will make dialysis more affordable and accessible in India

Growing demand

Cases of end-stage renal disease are increasing in India

So demand for dialysis machines is rising rapidly

Regulatory approval

BEL received a manufacturing license from Central Drugs Standard Control Organisation (CDSCO)

The machine meets high safety standards (Class C medical device)

Global standards

The machine is CE certified, meaning it meets European safety standards

This allows it to be sold in international markets

BEL

Founded: 1954

Headquarters: Bengaluru, Karnataka, India

CMD: Manoj Jain