



Bank Note Press, Dewas (MP)

A Unit of SPMCIL, New Delhi

Bank Note Press, Dewas an Industrial Unit of SPMCIL, Government of India, Ministry of Finance , Department of Economic Affairs was established in 1974. The state of the art Security Ink Factory is an internal vertical of Bank Note Press, Dewas.

This unit produce world class, high quality, new family banknotes to impede forgery by incorporating higher security features, latest modern printing technologies like intaglio printing, dry offset printing with security features such as interlock designs, see through designs, use of fluorescent inks, use of optically variable inks etc.

The Ink factory developed new series inks through in-house scientists and core skills. The factory has developed skills for indigenization of foreign input materials through constant R&D on basic science as well as engineering applications.

The unit is unique in India and is of very high economic importance. The unit has clear vision and leadership to take forward the mission of Govt of India. The strength of the company is the human resource in the field of basic science, R&D, humanities, engineering, accounts and financing, management etc in the arena of currency printing and document security.



The Innovation

The Innovation 1:

They have developed a new series of inks post demonetization banknotes through in-house chemists/scientists.

Bank note demand had drastically increased post demonetization. The ink formulations were developed for the new denominations using indigenous raw materials for various denominations like Rs 500/-, Rs 200/-, Rs 100/-, Rs 50/-, Rs 20/- and Rs 10/-, ISRA ink.

The Innovation 2:

The company has developed a gravimetric filling system, an import substitute filling system developed in-house by them. The cost of indigenous machine was Rs 14 lacs in comparison to imported machine at Rs 1.6 crore.

The Innovation 3:

Their third innovation was the development of high capacity ink feeding system (Ink Transfer pumps) for Intaglio machine.

In one of the imported machines, 20 kg ink cans were replaced with locally developed machine to handle 200 kg drums. The cost of indigenous machine was Rs 6 lakhs in comparison to imported machine at Rs 25-30 lakhs, the technology is also adopted by Currency Note Press, Nashik and changeover is in progress.

The Benefits

For Innovation 1: Saving in time and money, development of in-house technology, saving in cost of ink, dependency on imports/ outside suppliers eliminated.

For Innovation 2: Development of indigenous technology with 100% local content, saving in cost of machine, dependency on imports/ outside suppliers eliminated.

For Innovation 3: The benefits out of the project are enormous like environment friendly, huge saving in packing cost, manpower, and space while ensuring better housekeeping. productivity had also increased with this 100% indigenous technology.

The Future

The vision of the company is to develop in-house indigenous technologies to enhance the security level of banknotes, passports and other security documents of country. Also, the company aims to export the security products to other countries is in the target with innovative security inks/ bank notes/ security papers etc