



Gemini in sync with Make in India mission

GINJOE MBIU (Mobile Bridge Inspection Unit)– An Innovative Inspection and Maintenance System for Bridges made for the First Time in India by Gemini Power Hydraulics Pvt Ltd.

Ginjoe Mobile Bridge Inspection Unit (MBIU) is very much an indispensable product for carrying out bridge inspection and maintenance tasks. It is a versatile and efficient machine, built on the reliable TATA PRIMA 3123 or equivalent cabin chassis without there being any need for modifying the chassis. It is designed to provide a safe, quick and economic system of access to those structures where setting of scaffolding is not feasible or not economical. These units take a few minutes only to launch from the rest position to the work position without personnel on board. After initial launching maneuvers are completed, operators can easily descend on the platform through the provided protected access. There are thousands of old bridges in the country many of which are in a dilapidated state needing immediate repairs. Therefore such a special purpose vehicle can only be termed as the need of the hour. Such machines are available from imported sources and a few such machines are already there in India which have been imported at exorbitant prices. Due to the high cost of imported spare parts and poor availability of service facilities most of these imported units are lying idle.

Make In India:

Gemini Power Hydraulics Pvt. Ltd, well known for providing work saving solutions to the industry well ahead of time, are first in the country to supply such indigenously manufactured MBIUs matching in specifications at almost half the price of the imported units. As these units are built

on Indian vehicle chassis, the after sales service support and the spare parts are easily available.

This is an initial foray of Gemini into manufacturing activity which is quite in sync with the current national mission of "Make in India".

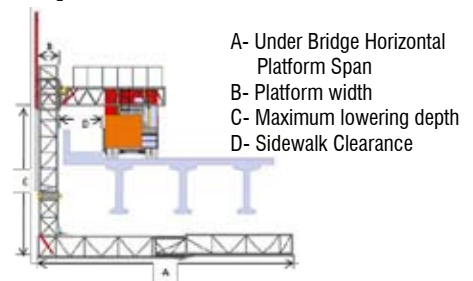
These MBIUs are built under Technology Transfer Licence from CSIR-CRRI. The CRRI design is a basic electromechanical one, but Gemini has improved on the basic model by incorporating a hydraulic-mechanical design for better reliability and safety. This change as well as other features that have been incorporated makes the product several notches above the basic model of CRRI.

Gemini Engineers and Consultants after studying, analyzing and taking user feedback, took it upon themselves as a challenge to deliver a product which is technologically superior, more reliable and safer. The first MBIU has been designed, fabricated and manufactured under the Make in India campaign.

Within a short span of period, Gemini has received orders for two units and the first unit has already been supplied and acquitting itself to the full satisfaction of the user. This was only because the unit was thoroughly tested not only in the factory but also at a nearby bridge before it was dispatched to the customer. Considering the large need for such Bridge Inspection Units, Gemini is confident that they will soon have a fleet of these units in every state of India. They are also looking at the market for these units in the neighbouring countries.

Range:

Three Models are available – Ginjoe – 10, Ginjoe – 12 and Ginjoe – 15 having under-bridge horizontal platform span of 10, 12 & 15 meters respectively. Mast Lowering Depth for all models is 8 meters



Salient Features:

- Ergonomic design and Assist in quick repair
- Easy trouble shooting and maintenance
- Wind monitor and alarm
- Multiple Interlocks for added safety
- Dedicated Power Supply – DG Set
- Compressor Unit for operating maintenance tools and general cleaning.
- Sensors for monitoring stability
- Dedicated Remote PLC box & Remote Access Controls
- Security and CCTVs monitoring
- Automatic alarm and emergency cut-off system
- Remote diagnostic system for trouble shooting.

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