

MOBILE BRIDGE INSPECTION UNIT



Manufactured under technical
collaboration with **CSIR-CRRI**

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Innovative Design, Technology & Service

APOLLO

Quality Mining Equipment

MOBILE BRIDGE INSPECTION UNIT

With increasing numbers of bridges in India, safety of bridges becomes a top priority. This needs periodic inspection of parts of bridge, which are not easily accessible. CSIR-CRRI and Gujarat Apollo Industries Ltd. join together to offer an indigenous Mobile Bridge Inspection Unit.



Features at Glance :

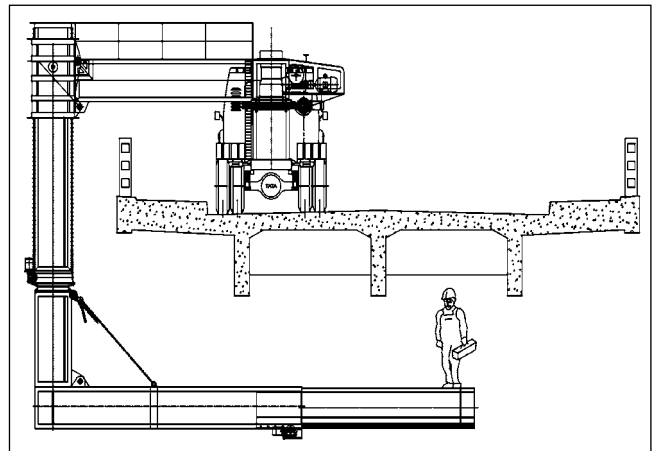
- ◆ The Mobile Bridge Inspection Unit (MBIU) is an electro-mechanical device mounted on a truck which provides access to hidden parts of bridges or similar infrastructures for their proper inspection.
- ◆ The present version is the truck mounted system with an aim to provide an economic solution for carrying out visual inspection of bridges on State and National Highways and can be operated by semi-skilled manpower at the site with minimal maintenance.
- ◆ Its structural design conforms to Indian standards (IS 800, IS 806, IS 2266, IS 7205 & IRC codes) and the functional design conforms to American Codes (ANSI/SIA 92.8).
- ◆ The MBIU is designed to be an economic solution and is easy to operate and maintain.
- ◆ Technology Transfer certificate no. IN-DL38792004709816M

Specifications :

- | | |
|------------------------------------|---------------------------|
| ◆ Folding and unfolding | : Automatic |
| ◆ Truck model (GVW) | : Indigenous (21 T) |
| ◆ Horizontal range | : 10.0 meters |
| ◆ Width of platform | : 0.75 meters |
| ◆ Max. load on platform | : 400 kg |
| ◆ Max. load on far end of platform | : 200 kg |
| ◆ Max. lowering depth | : 8.0 meters |
| ◆ Rotation of platform | : 90° |
| ◆ L / W / H of unit | : 10.0 / 2.5 / 4.0 meters |

Safety Features Incorporated :

- ◆ Twin additional rear axles for greater stability.
- ◆ Pneumatic rear suspension system for different mode.
- ◆ Parking assistant system for parking along the bridge railing.
- ◆ Dedicated power supply through DG set
- ◆ Sensors for monitoring the stability
- ◆ Automatic alarming and emergency cut-off system
- ◆ Wind monitor and alarming.
- ◆ Twin control units for folding / unfolding
- ◆ Dedicated PLC control box.



With Apollo's policy of constant upgradation of products, specifications are subject to change without prior notice. Accessories shown are optional and not a part of standard supply. Technical data are approximate and should be used as a guide only. Capacity and power requirements depend on the type and characteristics of the feed materials.

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