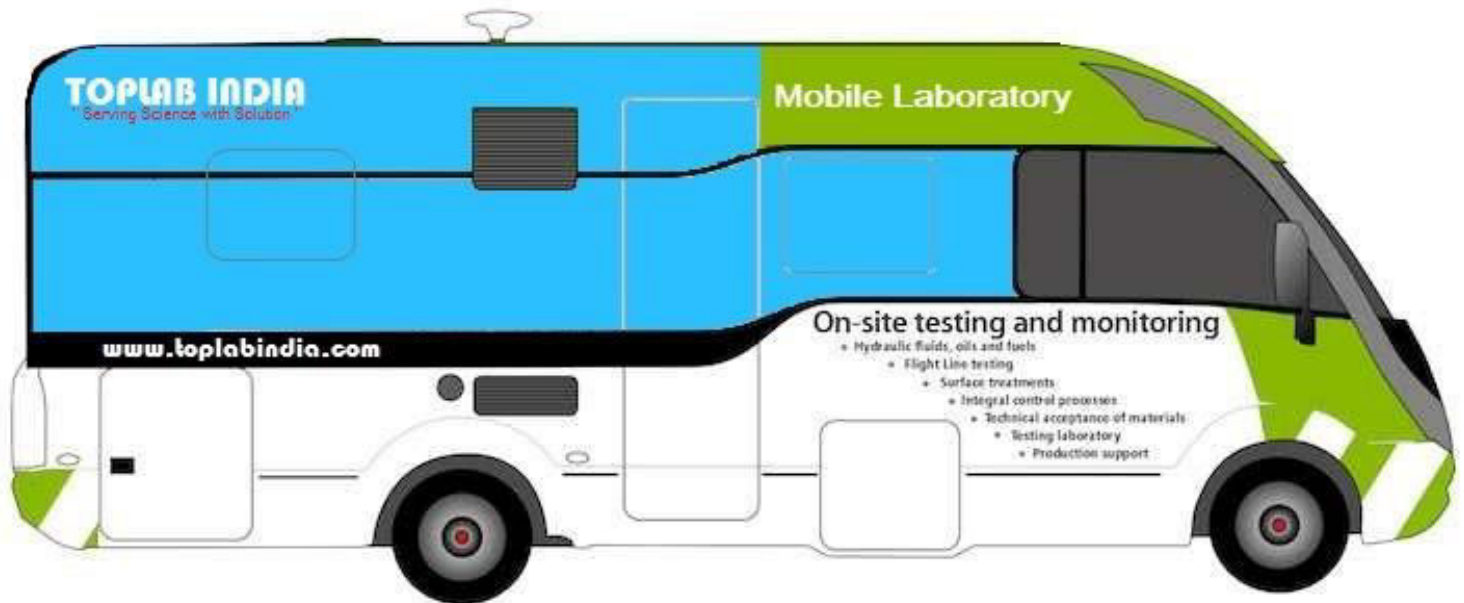


MOBILE LABORATORY VAN BUS TYPE



PURPOSE

The Mobile Laboratory Van may move from location to location, with self sufficient laboratory equipments and facility for quick testing and analysis on field.

The main reasons to use Mobile Van Laboratory are to enable Customer/farmers to ascertain the deficiency in Environment, soil and Products at their farm or onsite facility at door step.

DESCRIPTION for Mobile Soil Testing Laboratory

Mobile Laboratory Bus Configuration:

The mobile soil testing lab should retain the standards of a soil testing lab. It also has to possess all the features, including safety, and has a stand-by power backup facility, as per the blow minimum description:

Vehicle:

Wheel base: minimum 4900 mm; Any suitable four wheelers, RHD; Power – at least 70 kW;

GVW – at least 8850 Kgs;

Body building with structure, exterior aluminum paneling (18G); Concealed electrical and water pipelines;

ISO / Road Transport Management Certified

Interior:

Driver cabin with 3 additional seats; Acid resistance table top; Interior wood work as per laboratories standards; Cupboards for glassware and chemicals and allied items; Vinyl flooring; Fire proof material for roof top; 200 liters of loft tank for water;

Fire extinguisher; Exhaust fume hood for TOPLAB AAS and Flame Photometer; Luggage carrier on the roof;

Stainless steel wash basin; Emergency shut-off switch for generator; First aid kit; 1.5 HP branded air conditioner

Equipment:

- 1000 VA UPS;
- Laptop with i5 Processor and 1GB Hard Drive, Windows 8, Pro 64 (En) software minimum;
- LaserJet printer;
- GPS System for vehicle tracking;
- 7.5 KVA / 10.5 KVA generator set

Optional Features:

- Central Air Conditioning (25KW/8T)
- Reverse Camera with proximity sensors and audio warnings
- Advanced GPS System with Map Facility & WIFI Access Point / 4G

Sample Preparation Instruments

- Rotary Shaker
- Digital Balance
- Hot Air Oven
- Laboratory Centrifuge

Soil Analysis Instruments

- Double Beam/Single Beam AAS – Atomic Absorption Spectrophotometer
- AAS Accessories (4 x Lamps(Cu,Fe,Mn,Zn), 2 x Cylinders with regulators, 1 x Fume Hood)
- UV Spectrophotometer or Visible Spectrophotometer
- Flame Photometer with 2 Filters : Sodium (Na), Potassium (K)
- EC-TDS Analyzer
- PH Meter