

# गोरथ™



## Mobile Cattle Healthcare



# गोरथ™ – MOBILE VETERINARY DIAGNOSTIC VAN



Disclaimer : The picture and concept are a general representation and are subject to changes in design and deliverables



## SETTING UP A MULTIPURPOSE MOBILE CRITICAL CARE AND DIAGNOSTIC VAN

This is the latest most practical solution that is applicable in all the fields of Veterinary, Agriculture and Human scenario .In our scenario it will specially take care of veterinary services in rural & interior areas, especially the tribal dominated districts in the inaccessible areas & difficult terrains which are un-served /underserved under normal circumstances due to distance of remote villages, natural barriers to reach out to them, lack of proper public transportation network and difficult terrain like ghat section.

It can provide the desired veterinary services of preventive, curative services as well as breeding and disease diagnostic facilities in the interior pockets so as to enable the livestock owners living in the remote areas to avail the opportunities to consider AH activities as livelihood option and maximize profit through livestock sector .

It is alternative model of rural animal health care delivery with earmarked team of veterinary professionals with supporting equipments & drugs.



## Why गोरथ™

- In emergency situations, specific livestock-targeted interventions can be rendered through GoRath to help households survive the immediate crisis and to support communities in rebuilding their livelihoods.
- Prevention and control of trans-boundary animal diseases, i.e. cases where a particular animal disease outbreak is the emergency.
- Providing veterinary care to sick animals or those at risk of disease.
- To carry out the required disease control measures or ensure that animals have received required treatments.
- Disease control and preventative programmes including vaccination, deworming and management advice.
- Routine cow-side sampling and testing with hand-held instruments to provide immediate feedback to fine tune the nutrition of cows around the time of calving.



## Why गोरथ™

- Infertility diagnosis is the biggest plus point of GoRath vehicle.
- Diagnosis of diseases like Mastitis, Gochid temperature etc.
- Diagnosis of diseases and immediate remedy on the spot will save lot of time and money of farmer and improve cattle health.
- Door-to-door service will help in reaching the last-mile connectivity at farmer's cow shed
- Increase in success rate of Artificial Insemination due to use of technology
- Pregnancy detection in 28 days
- Substantial increase in milk production due to improved Cattle health
- Employment generation of 2-3 persons per vehicle
- Advertisement of any organization is possible on the vehicle for revenue generation
- Almost 40% cost recovery per year



## WHAT IS गोरथ™ ?

- गोरथ™ - आमची भ्रमंती, गोठ्याची श्रीमंती, is a mobile veterinary diagnostic van, to be operated by a driver-cum-LSS, AIT and a doctor
- गोरथ™ is built on a 17-foot long robust vehicle (*Force Motors*), with ground clearance of 210mm and a turning radius of 7.25m, ideally suitable for typical rural road conditions
- गोरथ™ body fabricated by ISO certified and a NSIC and ARAI approved company
- गोरथ™ is equipped with air-conditioned diagnostic laboratory and utility medicines
- गोरथ™ equipped with 45+ different digital and electronic diagnostic tools and equipments/products. गोरथ™ is equipped with portable X-Ray machine and Computer Radiography unit
- गोरथ™ is incorporates an electronic weighing scale with a mounted traxis of 2" pipe
- गोरथ™ has a unique hydraulic traxis with 1 ton capacity electronic weighing scale
- गोरथ™ is mounted with one-of-its kind patented SolarMill to generate and store power
- गोरथ™ equipments are operated on UPS and/or battery power for enhanced working



## WHAT IS गोरथ™?

- गोरथ™ houses a 200 liter water tank and a 100 liter antiseptic tank, with nozzles
- गोरथ™ is equipped with utility gadgets like PA system, GPS tracker, Refrigerator
- गोरथ™ has a TV installed to impart educational knowledge and conduct awareness training programmes to farmers meet or cattle camps
- गोरथ™ is provided with two-side awning, under which it enables to diagnose cattles in all seasons
- गोरथ™ is installed with adequate lighting system to enable to do cattle diagnosis during night time
- गोरथ™ will offer animal nutritional and healthcare products as a value-added service
- गोरथ™ rendered services are recorded via the **गोMobi** mobile app, which is linked to the **गोMobi** central server for data consolidation and analysis
- **गोMobi** mobile app caters to 12 different types of veterinary services, including insurance



# गोरथ™ - MOBILE VETERINARY DIAGNOSTIC VAN



- 45+ various diagnostic and digital equipments / products
- Hydraulic Travis with 1 Ton Electronic Weighing Scale
- Well equipped Diagnostic Laboratory
- Solar and Wind operated Diagnostic Van
- Portable X-Ray Machine with Computer Radiography
- Mobile App to cater to different on-field veterinary services

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# गोरथ™ - MOBILE VETERINARY DIAGNOSTIC VAN



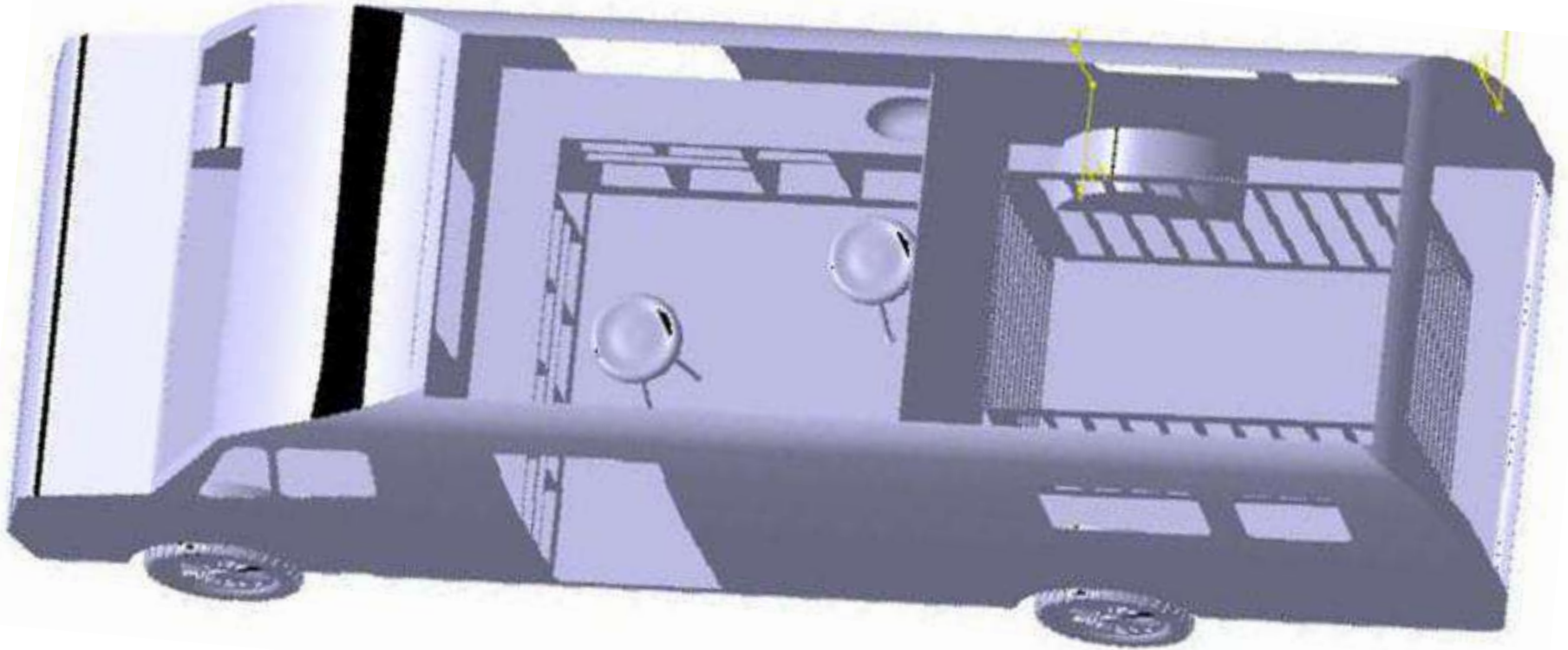
## • Different Kits included are :

- ✓ Digital AI Kit
- ✓ Infertility Kit
- ✓ Syringe Kit
- ✓ Dressing Kit
- ✓ Dystocia Kit
- ✓ Sampling Kit
- ✓ Surgical Kit
- ✓ Utility Kit
- ✓ Post-Mortem Kit

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# गोरथ™ – Demo at AH Commissioner Office, Pune – 14/02/2018





# गोरथ™ – Launch at KVK Baramati (CoE)



# गोरथ™ – Parth Pawar Foundation



LK Vet Care Pvt. Ltd.

॥ पशुसंपन्नतायै तन्नोपासना ॥



# गोरथ™ – at Cattle Camp – Manndeshi Foundation, Satara



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LK Vet Care Pvt. Ltd.

॥ पशुसंपन्नार्थम् तत्रोपासना ॥







**गोरथ™ –  
Mobile  
Veterinary  
Van – KVK  
Baramati  
(CoE)**



# गोरथ™ – CATTLE TRANSPORTATION VAN



LK Vet Care Pvt. Ltd.

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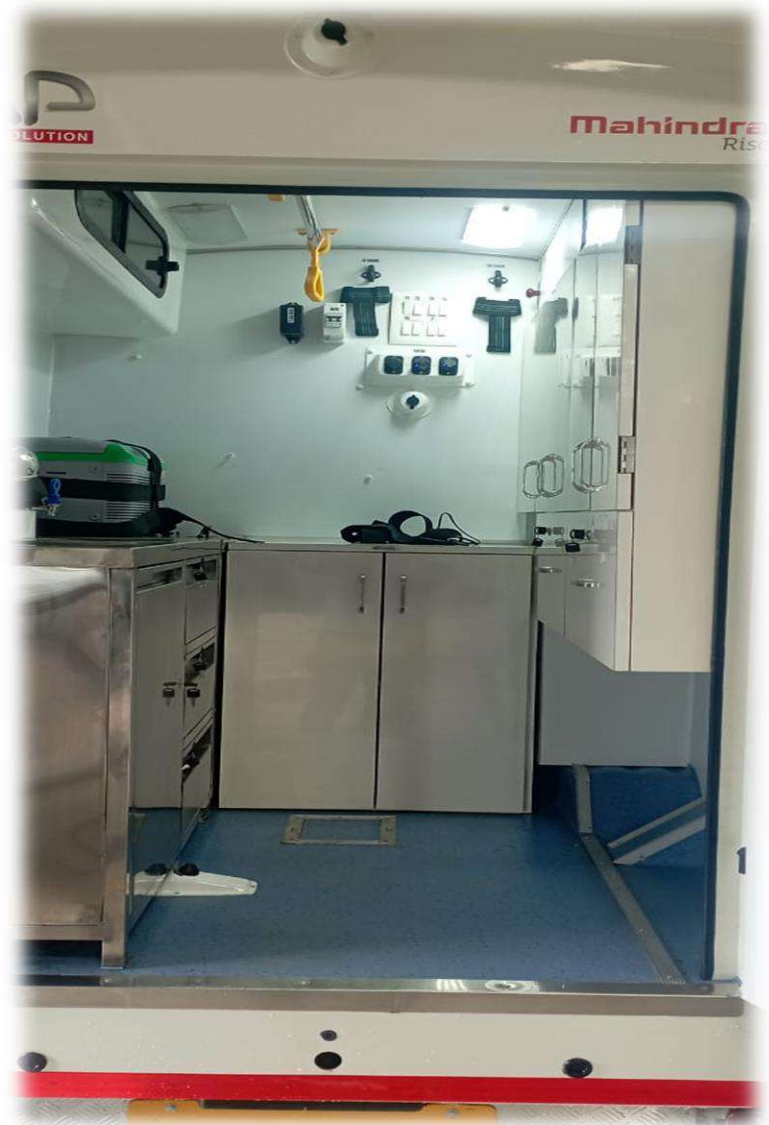


# गोरथ™ – For Small Animals



LK Vet Care Pvt. Ltd.

॥ पशुसंपन्नतायै तन्नोपासना ॥



# गोरथ™ – 1 mtr x 1 mtr Hydraulic Travis



*Disclaimer : The Hydraulic Travis design was consulted with our company*



# गोरथ™ – TATA CHASSIS



SHOT ON MI A3  
AI TRIPLE CAMERA

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# गोरथ™ – TATA CHASSIS



SHOT ON MI A3  
AI TRIPLE CAMERA

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**गोरथ™ - 6 ft. x 3 ft. Hydraulic Travis with  
Electronic Weighing Scale of 1 Ton capacity**



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# गोरथ™ – on TATA Yodha Model



LK Vet Care Pvt. Ltd.

॥ पशुसंपन्नार्थम् तन्नोपासना ॥



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# गोरथ™ - With Wind Mill for Battery Charging



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# गोरथ™ - Hydraulic Wind Mill



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## Proposed Services that can be offered by गोरथ™

गोरथ™ should take care of the following aspects-

- ✓ Maintain and operate the vehicle
- ✓ Provide the Driver-cum-Lab Technician, a helper who can assist the doctor in charge for all practical purposes.
- ✓ Provide training to the doctor twice a year for all the equipments and the diagnostic procedures
- ✓ Equip गोरथ™ with all the reagents, stains medicines, chemicals and all the logistics as per the demand of the organisation [*The organisation will place the quarterly, half-yearly and annual demand accordingly*].
- ✓ A mobile app गोMobi that can synchronise the field activities and take a note of all the activities and prepare the records and register accordingly as per the demand of the organisation.
- ✓ Calibration and validation of all the equipments in the गोरथ™ once in a year.
- ✓ Veterinary Doctor will be from the organisation who will be the Technical head and use the facilities in the गोरथ™ to give the technical veterinary opinion in all the matters related to field level veterinary activities undertaken through गोरथ™.



# गोरथ™ – LIST OF SPOT DIAGNOSTIC TESTS

## Ready to use Kits

- Mastitis kit K091
- Milk adulteration Kit K088
- Water Testing kit
- Soil testing kit
  - Macronutrient testing kit
  - Micronutrient testing kit
  - Secondary nutrient kit
- Veterinary MB kits
  - Brucellosis MB kit
  - HS kit
  - PPR Kit
  - Theileria
  - Babesiasis
  - Mycoplasma kit
  - Salmonella kit
  - Trypanosoma kit
  - Sanetisation kit
  - New castles Disease kit
- Insta DNA cards
- Rabies Lateral flow test
- Staining kits
  - Grams stain
  - Leishman's Stain
  - Loffler Aques Methylene blue stain
  - Brucella stain
  - Acid fast stain
  - Geimsa stain
- Toxicology kits
- Salmonella Antigen
- Rose Bengal Plate agglutination test



# गोरथ™ - DIAGNOSTIC EQUIPMENT / PRODUCT / INSTRUMENT

## Digital Electronic/Mechanical Equipments :

- 1 100 Lit Antiseptic Solution Tank with spraying nozzles
- 2 200 Lit water tank with spraying nozzle
- 3 Automotive Fridge
- 4 Calf Puller
- 5 Calf Resuscitator
- 6 Cattle Chain Brass Jacket
- 7 Cattle Metal Handle
- 8 Clipper Ultraedge
- 9 Cow lifter with sling
- 10 Dehorner - Calf/Goat
- 11 Digital AI Gun with accessories
- 12 Digital Thaw Monitor (DFSTS)
- 13 Drencher with Backpack
- 14 Dystocia Kit
- 15 Electronic Weighing Scale (1 Ton capacity)
- 16 Obstetric combi tool
- 17 Hoof Trimmer Set
- 18 Horn Up Portable Dehorner
- 19 Hydraulic SolarMill (Wind and Solar Charging)
- 20 Hydraulic Travis
- 21 TV
- 22 LN2 Container with semen storage
- 23 Surgical Instrument Kit Box
- 24 Teat Blunt Knife
- 25 UPS/Inverter with additional tubular battery
- 26 Wynch\*
- 27 X-Ray Machine (portable) with Computer Radiography\*

## Diagnostic Instruments/Products :

- 1 Adjustable Milk Tubes
- 2 Hematology Analyzer
- 3 Blood Ketone BHB Meter
- 4 CIDR Cattle Inserts
- 5 CMT Starter Kit
- 6 Curette Cornell Teat
- 7 Estroprotect Brunstplaster
- 8 Ketone Test Strips
- 9 Long Applicator
- 10 Mastitis Gram positive/negative
- 11 Mastitis Detector
- 12 Metricheck
- 13 Milk Analyzer
- 14 Multidose Syringe
- 15 Porta SCC test
- 16 Rainbow Rota, Corona, E-coli, Krypto
- 17 Refractometer BRIX, urine, plasma
- 18 Research Microscope
- 19 Slitter Teat
- 20 Thermometer with Clip Case
- 21 Ultrasound Sonography Machine

## Accessories :

- 1 2-side Vehicle Awning
- 2 Fire Extinguishers
- 3 Public Address (PA) System to address farmer meet
- 4 Wash Basin
- 5 Stainless Steel Ladder

## Software Products :

- 1 GoMobi Mobile Veterinary App & Web Software
- 2 GPS Tracker with Analytics Software

\* *Optional items*

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## Benefits of गोरथ™ to Cattle

### Benefits of गोरथ™ to Cattle (Cows and Buffalos):

- No need to shift the animal to hospital, as the veterinary doctor and compounder will treat the animal at the farmers cow-shed or at a nearby accessible location in his village.
- As the गोरथ™ focus will be more on prevention than treatment, it will ensure good cattle health.
- Complete cattle health recording facility available due to Digital Technology of गोरथ™.
- Proper Ration balancing program for cattle after electronic weighing of cattle on the hydraulic Travis provided in गोरथ™
- Digital Technological facilities through गोरथ™ will help increase the success rate of AI in cattles, resulting in more milk production



## Benefits of गोरथ™ to the Cattle Owner

### Benefits of गोरथ™ to the Cattle Owner (Mainly Farmers):

- As the गोरथ™ focus will be more on prevention than treatment, it will ensure good cattle health and reduced expenses to farmer on medicines/other feed supplements.
- If one calf per year management practice is adopted, the milk production cycle will ensure good cow health and timely income to farmer, as it can be a planned activity.
- Cattle awareness programs for farmers through awareness camps by experts and also via the TV provided in गोरथ™.
- As गोरथ™ is equipped with Diagnostic Laboratory, no need for the farmer to carry samples to far-away located Taluka/district labs for results, saving on time and money.
- Farmer will be made more aware on cattle healthcare practices with the basic and quality knowledge sharing on regular basis through गोरथ™ experts.
- Periodic गोरथ™ service offerings will help in providing the farmer a sustainable living and help increase his socio-economic strata in the society through increased income.



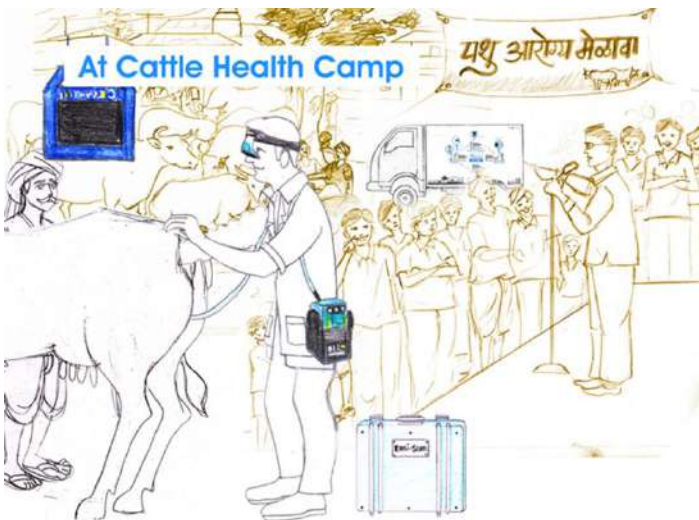
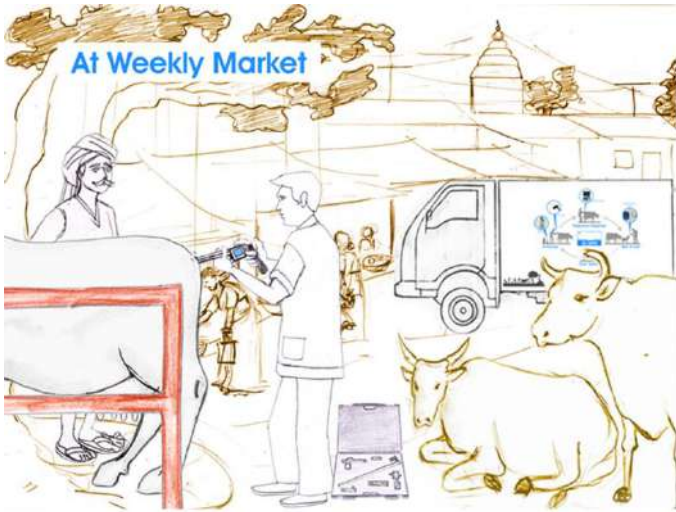
# Services that can be offered by गोरथ™

No	Preventive	Curative	Breeding	Disease Diagnosis
1.	Vaccination of livestock and poultry	Treatment of minor ailments	Artificial Insemination	Bacterial Diseases like HS , BQ, ET, Brucellosis, Anthrax, Mastitis. Viral diseases like Rabies, PPR, Pox, IBR, etc
2.	Public Health Awareness	Minor surgical procedures & suturing	Pregnancy Diagnosis	Protozoon diseases like Theileria, babesia, Trypanosoma , coccidiosis etc
3.	Advertisement of the aims and objectives of the organization and government schemes	Deworming	Treatment of Dystokia	Parasitic Diseases of Fascioliasis , Strongyles , Tapeworms , Amphistomes , paramphistomes
			Castration of male animals.	Toxicological poisons like nitrites, HCN, Oxalates, Aflatoxins etc.





# WHERE TO USE गोरथ™



# PROPOSED GoMOBI AI MOTORCYCLE



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# PROPOSED GoMOBI AI MOTORCYCLE

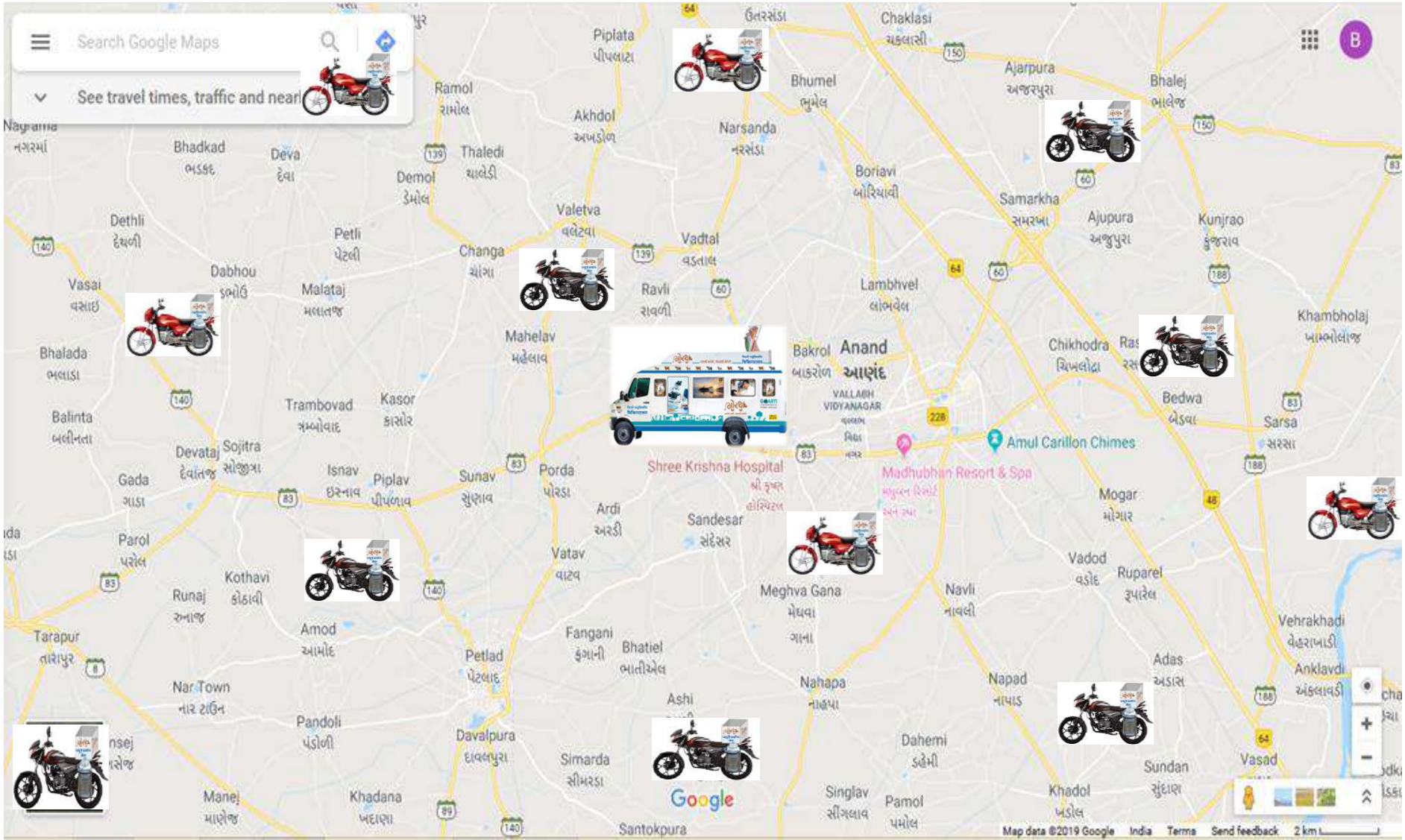


- **Digital AI Gun** (*Digital AI Gun, sheath, universal gun*)
- **Syringe Kit** (*Syringes, needles, IV Set*)
- **Infertility Kit** (*GPG Protocol, Genta100ml, Intra Uterine Kit, Cflox IV, Metro IV*)
- **AI Kit** (*Cap, apron, full length gloves, napkin, spirit bottle, hand wash, Thaw Monitor, disinfectant gel*)
- **Utility Kit** (*Tissue papers roll, bandage roll*)
- **Dressing Kit** – (*Topicure spray, hydrogen-peroxide, iodine*)
- **Dystocia Kit** – (*2 ropes, kit*)
- **Sample Collection Kit**
- **Gum boot**

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# PROPOSED Go-CONNECT MODEL



# THANK YOU



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