Leaders Program in Urban Transport Planning and Management- 7

EFFICIENT TRAFFIC AND DEMAND MANAGEMENT OF MANALI

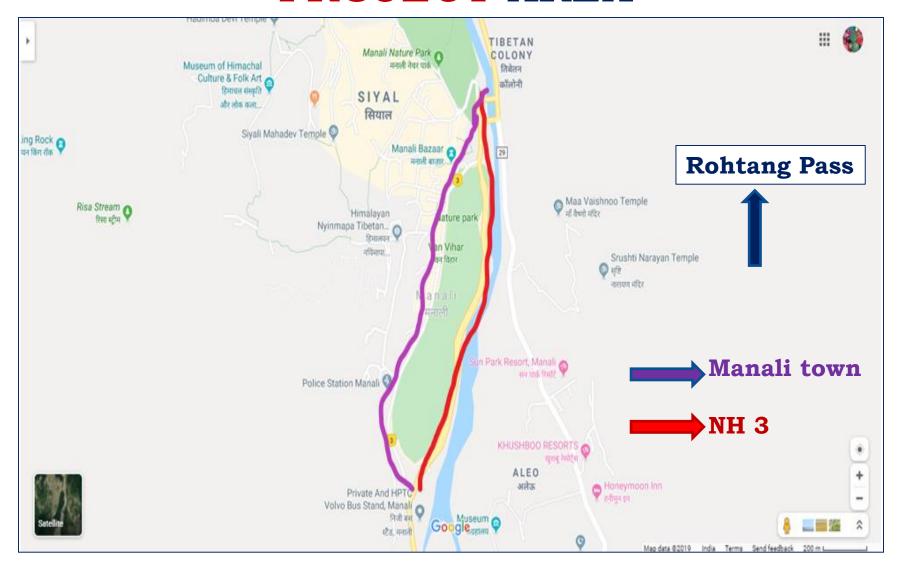


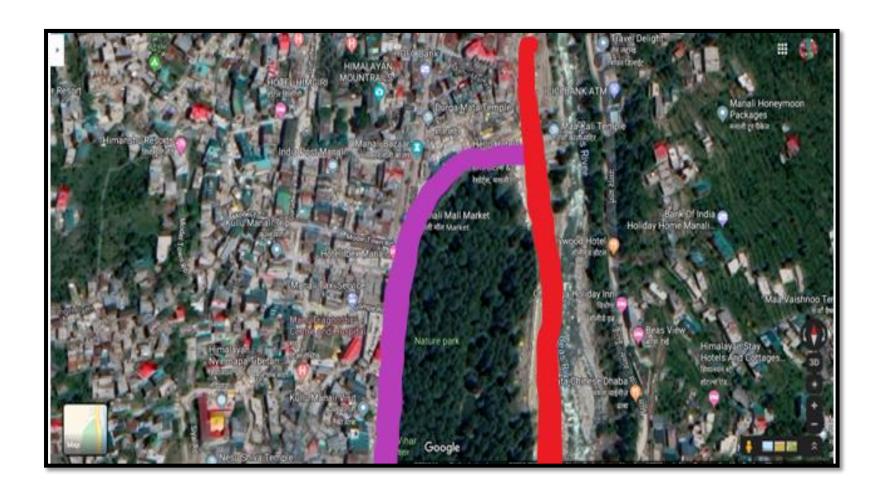
SHALINI AGNIHOTRI
HP POLICE

MANALI - WOES

- □30-40 lacs visitors/year
- □5000 hotels/guest houses/stays legal/illegal
- □3500 local taxis –6000 in peak season
- □120 Volvos 300/day in peak season
- □5-8 hrs standstill –upto 12 hrs in peak season
- □6-7 km NH 21- upto 20 km in peak season
- Ecological damage
- Policing challenges

PROJECT AREA





PROBLEMS - DIAGNOSED

- Uncontrolled/unregulated traffic plan
- □Lack of infrastructure parking places, halt stations and shuttles
- Under-utilized available PT and local MOTs
- Over pricing and service issues

What do we have at hand?

STRENGTHS

- 1. Sufficient local modes of transport
- 2. Widening of NH
- 3. Local support

WEAKNESSES

- 1. Ill-planned construction-growth
- 2. Old roads-no widening
- 3. Rains, snowfall-damage

OPPORTUNITIES

- 1. Unutilised land mass– create parking
- 2. Unexplored shuttles
- 3. Controlled, regulated use of available MOTs

THREATS

- 1. Continuous growth vehicles on road
- 2. Encroachment, lack of enforcement
- 3. Environmental, sustainability issues

PROJECT NEED

- New traffic plan all traffic bottlenecks and implementable solutions
- Integrated and regulated in a sustainable and economically viable way – local MOTs
- Command and Control Centre better enforcement and unified command.
- Capacity building and training

PROJECT AIM

- Tinker with available resources and regulate them
- Improve existing infrastructure
- Better traffic management and policing
- Sustainability tourism and ecology

IDENTIFIED STAKEHOLDERS

- Police
- Municipal Corporation
- Local Administration
- Taxi/Auto/Bus Associations
- Hotel Associations
- HRTC
- Department of Transport

DATA ANALYSIS

- Approximate vehicle in and out of Manali in peak tourist season 5,200 per day
- Average trip frequency 3.7
- Average trip length 5.2 km
- Alternate site for parking, transit.
- Command and Control Centre established

PROPOSED PLAN

- Large parking space outside the town –Rangri -
- No tourist vehicle inside the town one way plan
- Parking charges develop amenities, expand parking
- Integrate rotationally local MOTs alternative conveyance within and outside Manali.
- Regulation DoT, HRTC, local administration
- Command and Control Centre at Manali

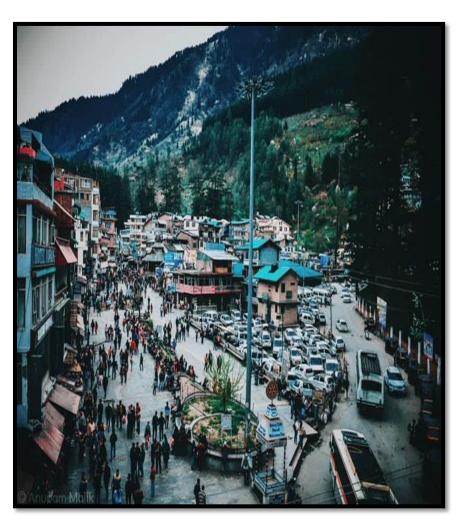
ONE WAY PLAN





Manali Town

One way for Rohtang

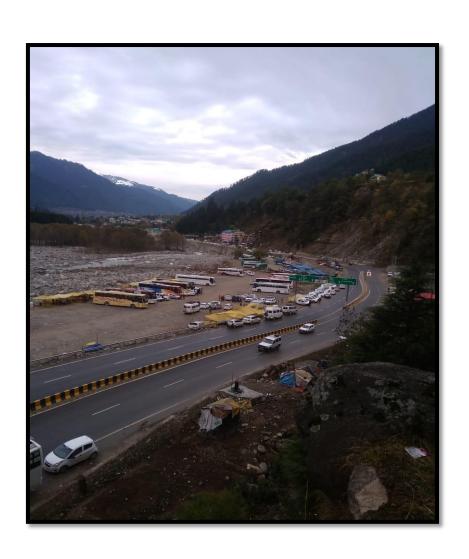




NH3 ● ●



PARKING





CONT...

- Dedicated team all stakeholders included
- 2Ws locals priority in one way
- Prioritize E-buses for Rohtang visit free passage and cost one fifth of private vehicles
- Engage local youth and employment generation
 - taxi operators and amenities in parking area

IT INTERVENTIONS

- ✓ E-ticketing
- √ Smart card integrations of services/fare
- ✓ Command and control centre live feed, ops, maintenance
- ✓ E-bus

FUTURE COURSE

- Mobile based application developed under audit with DIT
- Training and team building



QUESTIONS/SUGGESTIONS