Off – road Driving Techniques

“A quick guide”
Clearing angles
Wheelbase
Approach angle
Departure angle
Ground Clearance
Track
Under your 4 x 4

1) Engine
2) Clutch
3) Main Gear box
4) Transfer Gearbox
5) Rear Propeller shaft
6) Rear differential
7) Drive shaft or half shaft
8) Freewheeling Hub
How to use your 4x4?

4x4 Part time or Full time?

- H = High Range
- N = Neutral
- L = Low Range
Preliminaries

Know your vehicle’s clearing angles.
Know your vehicle’s under-body and under-axle clearance.
Know where your vehicle’s differentials are.
Make sure that your vehicle’s Freewheeling hubs are on “LOCK”.
**No 2WD (H2) position and No Free Wheeling Hubs on front Axle**

Full time 4x4 always equipped with Centre Differential lock
Basic driving rules

H2:

- Normal Road driving
- Tarmac roads
- Reduced wear and tear (Tyres / Fuel / Mechanical)