

### Anemometer

A wind measuring device

### Antenna

Antennae for two frequency bands—900MHz and 2.4GHz

### Main Camera

160-degree range camera for a wide-angle view

### Robotic Arm

Truss frame along with linear actuator result in a lightweight and strong arm

### Front Camera

To keep an eye on the path and the robotic arm

### End Effector

A three clawed end effector has been deployed for various tasks like removing obstacles and collecting samples

### Drill Assembly

A drill makes its way down to the Martian surface to collect ample amount of soil sample for testing

### Chassis

Tubular Rectangular Chassis frame for added mechanical stability and strength

### Suspension

Rocker Bogie Suspension for uniform distribution of reaction of six wheels

### Soil Testing base

A reservoir of chemicals and other necessary instruments, to carryout tests on Martian soil.

### Differential

To keep rover from tilting forward or backward

### Wheels

Honeycomb structure d wheels with wavy patterned outer surface for high load carrying capacity

