List of likely products to be made available through NOAA/MODIS Satellites Ground Receiving Station to be installed by IMD at New Delhi, RMC Chennai and Guwahati.

Payload /Satellite	*Products obtained*	*Description*
Advanced Very High Resolution Radiometer/3 (AVHRR) - NOAA	**Cloud Cover, Sea Surface Temperatures,** **Vegetation cover / Normalised Difference Vegetation Index (NDVI)** **Cloud Type (including fog)** **Fractional Cloud Cover.** **Outgoing Longwave Radiation (OLR)**	**Characteristics- 6 channels, 2894 km swath width with 1.1 km resolution at nadir.** **Channel 1 : 0.58-0.68 mm, visible** **Channel 2 : 0.725-1.0 mm, near-infrared** **Channel 3A : 1.58-1.64 mm, near-infrared** **Channel 3B : 3.55-3.93 mm, infrared** **Channel 4 : 10.3-11.3 mm, infrared** **Channel 5 : 11.5-12.5 mm, infrared**
MODIS – TERRA/ Aqua	Aerosol optical depth (MOD04) Total totals index(MOD07) Lifted index (MOD07) K index(MOD07) Surface temperature (MOD07) Surface pressure (MOD07) Total Ozone (MOD07) Water vapour/precipitable water amount (MOD07) Temperature profile (MOD07) Moisture profile (MOD07) Cloud top pressure (MOD06) Cloud top temperature (MOD06) Cloud fraction(MOD06) Cloud effective particle radius (MOD06) Cloud optical thickness (MOD06) Cloud effective emissivity (MOD06) Cloud mask (MOD06) Cloud phase (MOD06) Cirrus reflectance(MOD06) Tropopause height(MOD06) Brightness temperature (MOD060) Chlorophyll concentration (MOD18) Sea-surface temperature (MOD28) Vegetation index (MOD13) Enhanced vegetation index Thermal anomalies (MOD14) Cloud mask (MOD35)	**MODIS is a 36 band spectrometer providing a global data set every 1-2 days with a 16-day repeat cycle. The spatial resolution of MODIS (pixel size at nadir) is 250m for channel 1 and 2 (0.6µm - 0.9µm), 500m for channel 3 to 7 (0.4µm - 2.1µm) and 1000m for channel 8 to 36 (0.4µm - 14.4µm), respectively. The swath dimensions of MODIS are 2330km (across track) by 10km (along track at nadir)**

Forecaster are requested to become familiar and explore the possibility of using these products on routine basis