



## Specifications

### Liquefied Natural Gas

LNG Specifications Component / Substance	Permissible limits
Gross Heating Value (GCV) range	9,340 – 10,420 Kcal/SCM (1,050 – 1,170 BTU/SCF)
Methane	not less than 85.0 Mol %
Ethane	not more than 9.2 Mol %
Propane	not more than 3.00 Mol %
Butanes and heavier	not more than 2.00 Mol %
Pentanes and heavier	not more than 0.25 Mol %
Nitrogen	1.0 molecular %
Total Sulphur	10.0 ppm (w)
Sulphur in form of Hydrogen Sulphide	10.0 ppm (w)
Maximum variation in Wobbe Index (WI) [ WI = LHV (Volumetric Basis / (Specific Gravity w.r.t. Air) 0.5]	+/- 5.0 %
Contaminants (a) Trace Metals i. Pb + Zn ii. Na + K iii. Vanadium iv. Calcium v. Magnesium	0.50 ppm (w) 0.30 ppm (w) 0.50 ppm (w) 2.0 ppm (w) 2.0 ppm (w)
vi. Sum of heavy metals (Hg+V+Pb+Zn+Ni+Others)  (b) Solids / Particulates i. Total for particle size up to 10 micron ii. For 2 micron < d < 10 micron iii. For particle size grater than 10 micron  (c) Liquid contents  (d) Moisture	1.0 ppm (w) 20.0 ppm (w) 1.50 ppm (w) 0.30 ppm (w) Nil 112 kg/million SCM
Hydrogen content	1.00 % (by volume)
Acetylene (C <sub>2</sub> H <sub>2</sub> )	0.10 % (by volume)
Higher Hydrocarbons for n>=3	10.0 % (by volume)

