

## **Annex (i)**

### **LNG Quantity, Quality and Pressure Specifications**

#### **SECTION I – LNG QUANTITY**

The quantity of LNG delivered by or on behalf of a User shall be calculated by the User following the procedures set for in Annex (j) and shall be verified by an independent surveyor agreed upon by User and Operating Company. Any BTUs of Gas provided to the User from the Terminal via the vapor return line in order to facilitate the unloading operation, shall be deducted from the BTU's delivered by User as LNG to determine the Net Unloaded LNG delivered.

#### **SECTION II – LNG QUALITY**

##### **II.1 Gross Heating Value and Wobbe Index**

LNG delivered by or on behalf of a User to the Operating Company at the Delivery Point, in a gaseous state, shall have a Gross Heating Value in the range of 34.95 MJ/Sm<sup>3</sup> to 45.28 MJ/Sm<sup>3</sup> and a Wobbe Index in the range of 47.31 MJ/Sm<sup>3</sup> to 52.13 MJ/Sm<sup>3</sup>.

##### **II.2 Components**

LNG delivered by or on behalf of a User to the Operating Company at the Delivery Point, in a gaseous state, shall contain for the components and substances listed below, not more than the following:

- (a) Methane (C<sub>1</sub>), (\*\*\*) mol%;
- (b) Ethane (C<sub>2</sub>), (\*\*\*) mol%;
- (c) Propane (C<sub>3</sub>), (\*\*\*) mol%;
- (d) Butanes (C<sub>4</sub>) and heavier, (\*\*\*) mol%;
- (e) Pentanes (C<sub>5</sub>) and heavier, (\*\*\*) mol%;
- (f) Nitrogen (N<sub>2</sub>), (\*\*\*) mol%;
- (g) Carbon Dioxide (CO<sub>2</sub>), 0.05 mol%;
- (h) Oxygen (O<sub>2</sub>), 0.05 mol%;
- (i) Hydrogen Sulfide (H<sub>2</sub>S), 4.59 mg/SCM;
- (j) Total sulphur content, 45.88 mg/SCM;
- (k) Mercaptans, 9.18 mg/SCM;
- (l) Mercury, 10 Ng/SCM\*;

And not exceed the following:

- (m) Hydrocarbons dew point: -5°C \*\*; and
- (n) Cargo vapor pressure at Delivery Point: 140 millibars gauge.

The LNG shall not contain any liquid or solid contaminants.

\* Mercury shall be measured in accordance with ASTM D-5954, in which the minimum mercury measurement possible with respect to LNG is 10 nanograms/ SCM (Ng/SCM) of

*Courtesy translation, not binding.*

Gas.

\*\* In the range of pressure 1 to 70 bars gauge.

\*\*\* For these components, the acceptable values are intrinsically limited by the acceptability range of the Wobbe Index.