

**Sources of data and assumptions considered for determination of gas price ceiling for the gas produced from discoveries in Deep-water, Ultra-deep water and High pressure-High Temperature applicable for the period October, 2016 to March, 2017**

The sources from which data was obtained and the assumptions considered for the purpose of calculation/determination of gas price ceiling for the gas produced from discoveries in Deep-water, Ultra-deep water and High pressure-High Temperature applicable during the period October, 2016 to March, 2017 are summarized below:-

**1. Landed price of fuel oil:**

- a) Daily price quoted by Platts for Arab Gulf Fuel Oil 180 CST for the period July, 2015 to June, 2016 has been considered.
- b) Daily prices quoted by Platts for Arab Gulf Fuel Oil 180 CST is on FOB basis. Therefore to calculate the landed price of the imported fuel oil, 5% has been added towards freight, insurance etc.
- c) Platts publishes Arab Gulf Fuel Oil 180 CST prices in US\$/MT. Therefore, to convert the prices in US\$/MT to prices in US\$ MMBTU a conversion factor of 39.7 has been considered as provided by Platts.

**2. Weighted average import landed price of substitute fuels:**

(I) **Coal:**

- a) Daily 90 days price quotes of Platts for Kalimantan 5,000 Kcal/kg GAR the period July, 2015 to June, 2016 has been considered.
- b) Daily 90 days price quotes of Platts for Kalimantan 5,000 Kcal/kg GAR is on FOB basis. Therefore to calculate the landed price of the imported coal, 5% has been added towards freight, insurance etc.
- c) Platts publishes FOB Kalimantan 5,000 Kcal/kg GAR prices in US\$/MT. Therefore to convert the prices in US\$/MT to prices in US\$ MMBTU a conversion factor of 19.84(2.2046\*8.998) has been considered as provided by Platts.

(II) **Fuel oil:**

- a) Daily price quoted by Platts for Arab Gulf Fuel Oil 180 CST for the period July, 2015 to June, 2016 has been considered.
- b) Daily prices quoted by Platts for Arab Gulf Fuel Oil 180 CST is on FOB basis. Therefore to calculate the landed price of the fuel oil, 5% has been added towards freight, insurance etc.
- c) Platts publishes Arab Gulf Fuel Oil 180 CST prices in US\$/MT. Therefore to convert the prices in US\$/MT to prices in US\$ MMBTU a conversion factor of 39.7 has been considered as provided by Platts.

(III) **Naphtha:**

- a) Daily prices quoted by Platts for Arab Gulf Naphtha for the period July, 2015 to June, 2016 have been considered.
- b) Daily prices quoted by Platts for Arab Gulf Naphtha is on FOB basis. Therefore to calculate the landed price of the fuel oil, 5% has been added towards freight, insurance etc.
- c) Platts publishes Arab Gulf Naphtha in US\$/MT. Therefore to convert the prices in US\$/MT to prices in US\$ MMBTU a conversion factor of 46.8 has been considered as provided by Platts.

**3. Landed price of imported LNG:**

- a) The West India DES LNG assessment by Platts is 15-45 days loading ahead. Therefore to cover the twelve months period from July, 2015 to June, 2016 daily West India DES prices quotes of Platts for imported LNG for the period 16th May, 2015 to 15th May, 2016 has been taken from Platts as published in LNG daily.
- b) Since DES price is equivalent to landed price of imported LNG, mark up of 5% has not been considered.