Subject: **Natural Gas Quality**

In pursuance of the Licence Condition No. 15 of SNGPL and SSGC regarding “Natural Gas Quality”, the Oil and Gas Regulatory Authority (OGRA) has revised / approved the following Natural Gas Composition on 5th June, 2018:

<table>
<thead>
<tr>
<th>Sr #</th>
<th>Components</th>
<th>Measuring Units</th>
<th>Approved</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Sulfur (max)</td>
<td>Grains / 100scf</td>
<td>3.5</td>
</tr>
<tr>
<td>2.</td>
<td>Hydrogen Sulfide (max)</td>
<td>Grains / 100scf</td>
<td>0.24</td>
</tr>
<tr>
<td>3.</td>
<td>Carbon Dioxide (max)</td>
<td>Mol %age</td>
<td>3</td>
</tr>
<tr>
<td>4.</td>
<td>Nitrogen (max)</td>
<td>Mol %age</td>
<td>7</td>
</tr>
<tr>
<td>5.</td>
<td>Calorific Value (min)</td>
<td>Btu / scf</td>
<td>900</td>
</tr>
<tr>
<td>6.</td>
<td>Wobbe Index (min) *</td>
<td></td>
<td>1180*</td>
</tr>
<tr>
<td>7.</td>
<td>Water Contents (max)</td>
<td>Lbs / MMscf</td>
<td>7</td>
</tr>
</tbody>
</table>

* ±5% variation on account of Specific gravity.

**Notes:**

1) The Licensees may request for exemptions in exceptional cases giving appropriate reasons, which would be considered by the Authority on case to case basis.

2) The Licensees / Gas Companies shall publish the value of Wobbe Index on the gas bills of their franchise areas along with GCV / other factors.

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