

**CORRIGENDUM - I****SUPPLY, INSTALLATION, TESTING, COMMISSIONING, OPERATION AND  
COMPREHENSIVE MAINTENANCE OF 600 SCMH ELECTRIC MOTOR DRIVEN CNG  
COMPRESSOR PACKAGES****Date: 13.12.2024****TENDER DOCUMENT NO. IGL/ET2/CP/CC18272**

<b>S. No.</b>	<b>Description</b>	<b>Tender Page No.</b>	<b>Clause/ Para/ Section</b>	<b>Amendment/Addition/Modification/Deletion</b>	
1	Availability of tender document on website(s)	08 of 109	Clause 6.0 of IFB of Commercial Volume	Amendment	From 25.11.2024 to 26.12.2024
2	Bid submission due date and time	08 of 109	Clause 6.0 of IFB of Commercial Volume	Amendment	26.12.2024 till 1430 hrs IST
3	Techno-commercial bid opening date and time	08 of 109	Clause 6.0 of IFB of Commercial Volume	Amendment	26.12.2024 at 1500 hrs IST
4	<b>CONTRACT DURATION &amp; DELIVERY SCHEDULE:</b> Delivery of compressors shall be in lots as per IGL requirement. All Compressors shall be supplied & commissioned as per schedule given below.	08 of 109	Cl no. 4.0, Commercial Volume - I	Modification	<b>CONTRACT DURATION &amp; DELIVERY SCHEDULE:</b> Delivery of compressors shall be in lots as per IGL requirement. 1st lot of 10 Nos. of compressors are to be delivered within 12 weeks from the date of LOA/ Intimation from IGL. Subsequent lots to be delivered within 12 weeks from date of intimation as per IGL requirement. All Compressors shall be supplied & commissioned as per schedule given below.

5	<p><b>GAS COMPOSITION:</b></p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Component</th> <th>% Mole</th> </tr> </thead> <tbody> <tr><td>1</td><td>Methane</td><td>92.34</td></tr> <tr><td>2</td><td>Ethane</td><td>5.47</td></tr> <tr><td>3</td><td>Propane</td><td>0.32</td></tr> <tr><td>4</td><td>Butane</td><td>0.027</td></tr> <tr><td>5</td><td>Pentane</td><td>0.003</td></tr> <tr><td>6</td><td>Nitrogen</td><td>1.78</td></tr> <tr><td>7</td><td>Carbon Dioxide</td><td>0.00</td></tr> <tr><td>8</td><td>Sulphur</td><td>00</td></tr> <tr><td></td><td>Total</td><td>100</td></tr> </tbody> </table> <p><b>Oxygen:</b> Not more than 0.5 mole%  <b>Total Non Hydrocarbon:</b> Not more than 2.0 mole%  <b>Total Sulphur including H2S:</b> about 24 ppm by weight,  <b>Water Content :</b> &lt;dry  <b>Mass density (kg/m<sup>3</sup>) = 0.69</b>  <b>Molar mass (kg/kmol) = 17.1262</b>  <b>NCV (Kcal/Sm3) = 8374.00</b></p> <p>Above composition shall be taken for guarantee purpose.</p> <p><b>* The composition, however, may vary between:</b></p> <table border="1"> <thead> <tr> <th>Component</th> <th>Range</th> </tr> </thead> <tbody> <tr><td>Methane</td><td>Not less than 80%</td></tr> <tr><td>Ethane</td><td>1% - 8%</td></tr> <tr><td>Propane</td><td>&lt; 3.3%</td></tr> <tr><td>iC4</td><td>&lt; 2%</td></tr> <tr><td>iC5 + nC5</td><td>&lt; 0.25%</td></tr> </tbody> </table>	Sr. No.	Component	% Mole	1	Methane	92.34	2	Ethane	5.47	3	Propane	0.32	4	Butane	0.027	5	Pentane	0.003	6	Nitrogen	1.78	7	Carbon Dioxide	0.00	8	Sulphur	00		Total	100	Component	Range	Methane	Not less than 80%	Ethane	1% - 8%	Propane	< 3.3%	iC4	< 2%	iC5 + nC5	< 0.25%	51 & 52 of 83	Cl no. 15, Technical Volume - II	Modification	<p><b>GAS COMPOSITION:</b></p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Component</th> <th>% Mole</th> </tr> </thead> <tbody> <tr><td>1</td><td>Methane</td><td>95.274</td></tr> <tr><td>2</td><td>Ethane</td><td>3.544</td></tr> <tr><td>3</td><td>Propane</td><td>0.501</td></tr> <tr><td>4</td><td>Butane</td><td>0.142</td></tr> <tr><td>5</td><td>Pentane</td><td>0.047</td></tr> <tr><td>6</td><td>Hexane</td><td>0.007</td></tr> <tr><td>7</td><td>Nitrogen</td><td>0.238</td></tr> <tr><td>8</td><td>Carbon Dioxide</td><td>0.247</td></tr> <tr><td></td><td>Total</td><td>100.000</td></tr> </tbody> </table> <p><b>Oxygen:</b> Not more than 0.5 mole%  <b>Total Non-Hydrocarbon:</b> Not more than 2.0 mole%  <b>Total Sulphur including H2S:</b> about 24 ppm by weight,  <b>Water Content:</b> &lt;dry  <b>Mass density (kg/m<sup>3</sup>) = 0.714</b>  <b>Molar mass (kg/kmol) = 17.1262</b>  <b>NCV (Kcal/Sm3) = 8409.38</b></p> <p>Above composition shall be taken for guarantee purpose.</p> <p><b>* The composition, however, may vary between:</b></p> <table border="1"> <thead> <tr> <th>Component</th> <th>Range</th> </tr> </thead> <tbody> <tr><td>Methane</td><td>Not less than 80%</td></tr> <tr><td>Ethane</td><td>1% - 8%</td></tr> <tr><td>Propane</td><td>&lt; 3.3%</td></tr> <tr><td>iC4</td><td>&lt; 2%</td></tr> <tr><td>iC5 + nC5</td><td>&lt; 0.25%</td></tr> </tbody> </table>	Sr. No.	Component	% Mole	1	Methane	95.274	2	Ethane	3.544	3	Propane	0.501	4	Butane	0.142	5	Pentane	0.047	6	Hexane	0.007	7	Nitrogen	0.238	8	Carbon Dioxide	0.247		Total	100.000	Component	Range	Methane	Not less than 80%	Ethane	1% - 8%	Propane	< 3.3%	iC4	< 2%	iC5 + nC5	< 0.25%
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7	<p><b>14.2 Parameters at Suction pressure of 16 Kg/ Cm2 (g); Compressor Capacity by Bidder:</b></p> <p>SL No. 1 - Compressor capacity in SCMh at suction pressure of 14kg/cm2(g), discharge pressure of 250 kg/cm2(g) and gas inlet temp 30 deg C (No -ve tolerance)</p> <p>SL No. 7 - Power Consumption of Package in KWH for 600 SCMh delivery</p>	50 of 83	Cl no. 14.1 of Technical Volume	Modification	<p>To be read as:</p> <p><i>"SL No. 1 - Compressor capacity in SCMh at suction pressure of 16kg/cm2(g), discharge pressure of 250 kg/cm2(g) and gas inlet temp 30 deg C (No -ve tolerance)"</i></p> <p>SL No. 7 - Power Consumption of Package at Suction Pressure of 16 Kg/ Cm2 for the delivery of above quoted capacity"</p>																																																																																				

8	<p><b>14.3 Parameters at Suction pressure of 19 Kg/ Cm2 (g); Compressor Capacity by Bidder:</b></p> <p>SL No. 1 - Compressor capacity in SCMh at suction pressure of 14kg/cm2(g), discharge pressure of 250 kg/cm2(g) and gas inlet temp 30 deg C (No -ve tolerance)</p> <p>SL No. 7 - Power Consumption of Package in KWH for 600 SCMh delivery</p>	50 & 51 of 83	Cl no. 14.1 of Technical Volume	Modification	<p>To be read as:</p> <p><i>"SL No. 1 - Compressor capacity in SCMh at suction pressure of 19kg/cm2(g), discharge pressure of 250 kg/cm2(g) and gas inlet temp 30 deg C (No -ve tolerance)</i></p> <p><i>SL No. 7 - Power Consumption of Package at Suction Pressure of 19 Kg/ Cm2 for the delivery of above quoted capacity"</i></p>
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