

## CORRIGENUDM – 2

**Tender Reference No:** CH/JITEN/111/2024/CO2SOLREG

**Tender Name:** Continuous CO2 Capture and Solvent Regeneration Pilot Plant.

**Corrigendum details:** Amendment in Technical Specification

### Amendment in Technical Specification

S. No	Existing Technical Specification	Revised Technical Specification
1	<p><b>Absorption unit with packing</b></p> <p>Gas flow rate = 1000 - 1500 m<sup>3</sup> /day Solvent flow rate= 100 m<sup>3</sup> /day (a) Quantity: 01 (b) Height of column: 2.5 m (c) Effective packing height 2 m minimum. (d) Inner Dia of column: 70 cm MoC: SS 306</p>	<p><b>Absorption unit with packing</b></p> <p>Gas flow rate = 1000 - 1500 m<sup>3</sup>/day <b>Solvent flow rate= 5-25 m<sup>3</sup>/day</b></p> <p>(a) Quantity: 01 (b) Height of column: 1.2-1.5 m (c) Effective packing height 1 m minimum. (d) Inner Dia of column: 0.4-0.7 m (e) Design pressure: 5- 10 bar MoC: SS 306 or SS 304 (for pipe also)</p>
2	<p><b>Desorption (regeneration or stripper) unit</b></p> <p>(f) Height of column: 1.5 m</p> <p>Inner Dia of column: 70 cm Fitted with other required assemblies The unit should be corrosion resistant. MoC: SS 306</p>	<p><b>Desorption (regeneration or stripper) unit</b></p> <p>(f) Height of column: 1.2-1.5 m (g) Design pressure: 5- 10 bar</p> <p>Inner Dia of column: 40-70 cm Fitted with other required assemblies The unit should be corrosion resistant. MoC: SS 306 or SS 304</p>
5	<p><b>Pure CO<sub>2</sub> storage tank</b> SS-316 high pressure (at 40 bar maximum) pure CO<sub>2</sub> storage tank is required for CO<sub>2</sub> storage fitted with pressure safety valve, NRV and rupture disk in line with exit stream of stripper column. This is accompanied by suitable compressor to compress CO<sub>2</sub> from outlet of the stripper column to CO<sub>2</sub> storage tank.</p>	<p><b>Pure CO<sub>2</sub> storage tank</b> <b>MoC: SS-316/304/306</b> high pressure (at <b>10 bar maximum</b>) pure CO<sub>2</sub> storage tank is required for CO<sub>2</sub> storage fitted with pressure safety valve, NRV and rupture disk in line with exit stream of stripper column. This is accompanied by suitable compressor to compress CO<sub>2</sub> from outlet of the stripper column to CO<sub>2</sub> storage tank. <b>Tank capacity 30-50 litre.</b></p>