

CORRIGENUDM – 1

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>Absorption unit with packing</p> <p>Gas flow rate = 1000 - 1500 m³ /day Solvent flow rate= 100 m³ /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>Gas flow rate = 1000 - 1500 m³/day Solvent flow rate= 40 m³/day</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</p> <p>MoC: SS 306 or SS 304 (for pipe also)</p>
2	<p>Desorption (regeneration or stripper) unit</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>(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.</p> <p>MoC: SS 306 or SS 304</p>
5	<p>Pure CO₂ storage tank</p> <p>SS-316 high pressure (at 40 bar maximum) pure CO₂ storage tank is required for CO₂ 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 CO₂ from outlet of the stripper column to CO₂ storage tank.</p>	<p>SS-316 high pressure (at 10 bar maximum) pure CO₂ storage tank is required for CO₂ 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 CO₂ from outlet of the stripper column to CO₂ storage tank. Tank capacity 50 litre.</p>