

## PROJECT CONCEPT NOTE

(ID no. 4)

1	Name of the Project	<b>GHG Emission Reduction by Thermal Oxidation of HFC 23 in Gujarat, India.</b>
2	Location of the Project (Village / District / State)	Ranjitnagar, Ghoghamba Panchmahal, Gujarat.
3	Brief Description of the project	<p>In this project the thermal oxidation system downstream of the existing HCFC 22 plant will enable GFL to reduce GHG emissions.</p> <p>The proposed process is one stage thermal oxidation of HFC 23 (along with a small carryover of HCFC 22 and air). It thermally oxidizes HFC23 at around 1.200°C in an oxidation chamber (furnace). As HFC 23 has a comparatively low caloric value, a small quantity of LPG, as supplemented fuel, along with air and steam is used in the oxidation chamber.</p> <p>The thermal oxidation system would have the following utility/offset facilities as part of the system:</p> <ul style="list-style-type: none"><li>• Water treatment plant to provide process water.</li><li>• Cooling water system.</li><li>• Compressed air system.</li><li>• Effluent treatment plant.</li></ul> <p>The capacity of thermal oxidation facility will be 500 tonnes/year.</p>
4	Estimate of GHG abatement in tCO <sub>2</sub> eq.	18240000
5	Host Country Approval Status	Approved
6	Project Owner / Proponent	1. Gujarat Fluorochemicals Limited ABS Towers, 2 <sup>nd</sup> Floor

		<p>J.P.Road  Vadodara 390 007, Gujarat  Tel: +91 (0265) 233 0057, +91 (265) 232 0312  Fax: +91 (0265) 231 0312  Contact Person: Mr.Deepak Asher  Vice President (Corporate Finance)  Email: <a href="mailto:Deepak_asher@yahoo.com">Deepak_asher@yahoo.com</a></p> <p>2. Gujarat Fluorochemicals Limited  A-6, Connaught Place  New Delhi 110 001.  Tel: +91 (011) 2332 4509, +91 (11) 2332 4245  Fax: +91 (011) 2332 5128, 4773  Contact Person: Mr. V.K. Soni (Head of Project)  Email: <a href="mailto:vksoni@gfl.co.in">vksoni@gfl.co.in</a></p>
7	Baseline methodology	<a href="#">Approved</a>
8	Project Start Date	December 2003
9	Project Completion Date	December 2004