

**Annexure-C**  
**Technical Specifications**

<b>Item wise Technical Specifications</b>				
Enq. Item SL.No	Item details	Qty	Unit	Supplier's Confirmation
10	<p><b>PLASMA COOLANT</b></p> <p><u>COOLANT DETAILS</u></p> <p>A Non-combustible PLASMA TORCH COOLANT is required with hereby mentioned details. it should be non-volatile, non-hazardous product. Its thermal stability and di-electric properties as coolant should be suitable for plasma arc welding and tungsten inert gas welding system.</p> <p><b>CHEMICAL COMPOSITION OF TORCH COOLANT (% by Weight). :--</b>            DEIONIZED WATER: 70.0 (Approx.)            PROPYLENE GLYCOL :30.0 (Approx.)</p> <p><b>PHYSIO-CHEMICAL DATA</b>            Form and Appearance: Clear Liquid            pH (20°C): 8.0 - 10.0            Viscosity: 10 cps (min.)            Specific Gravity (20°C): 1.012 (min.)            Reserve Alkalinity: 10 - 12 ml            Water Solubility: Completely Soluble</p> <p><b>DOSAGE AND APPLICATION</b>            The coolant is not required for any dilution or additive addition before usage. Direct application of coolant with dosage as per machine guidelines will be used.</p> <p><b>COOL DOWN PROCESS</b>            The coolant is used to cool down the Plasma torch, and prevent the electrode and nozzle from melting due to the high temperatures of the plasma arc.</p> <p><b>Shelf life:</b> 2 years if stored properly.</p> <p>The supplier should also provide MSDS for the coolant to be supplied.</p>	20	<b>US Gallon</b>	

Supplier's Signature and Seal