Laboratory	**Quality Services & Solutions (Goa), Hospet Branch, Shed No. C-11, Industrial Estate, Dam Road, Hospet, Karnataka**		
Accreditation Standard	**ISO/IEC 17025: 2005**		
Discipline	**Chemical Testing**	**Issue Date**	**05.06.2014**
Certificate Number	**T-2999**	**Valid Until**	**04.06.2016**
Last Amended on	**-**	**Page**	**1 of 1**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	**ORES & MINERALS**			
1.	**Iron Ore**	Iron	IS 1493-1981	20 - 70%
		Ferrous Oxide	(Reaffirmed-2006)	0.2 - 80%
		Silica		0.2 - 25%
		Alumina	IS 1493 & IBM for Al_2O_3	0.1 - 50%
		Manganese	IS 1493-1981	0.1 - 28%
		Phosphorus	(Reaffirmed-2006)	0.01 - 0.2%
		Sulphur		0.005 - 0.1%
		Calcium		0.005 - 0.015%
		Magnesium		0.005 - 0.015%
		Sodium Oxide		0.001 - 0.015%
		Potassium Oxide		0.001 - 0.015%
		Loss of Ignition		0.1 - 10%
		Moisture		0.5 - 20%
2.	**Manganese Ore**	Manganese	IS 1473-2004	5.0 - 55%
		Manganese Dioxide	(Reaffirmed-2010)	3.0 - 85%
		Iron		5.0 - 35%
		Silica		0.2 - 15%
		Alumina		0.01 - 10%
		Phosphorus		0.01 - 0.10%
		Sulphur		0.005 - 0.1%

-X-X-X-X-X-X-X-X-X-X-X-X-X-X-X-

Sangeeta Negi
Accreditation Officer - I

John Varughese
Technical Manager