

RTD Specification

Element:

Type:	Pt-100, α (Alpha) = 0.00385 Ohms/°C
Leads:	Hermitically Sealed
Connection:	4 wire, Duplex
Insulation material:	Mineral
Range:	-20 to 60 deg. C
Calibration and Accuracy:	Class "A" (IEC751)
Sheath Dia & Material:	Refer to Annexure A
Insertion Length:	Refer to Annexure A & Attached drawing of RTD assembly
Total length:	Refer to Annexure A
Required Qty:	Refer to Annexure A

Service condition:

Pressure Max. :	90 Barg
Temperature Max:	45 Deg C
Fluid & state:	RLNG/GAS
Operating Pressure:	70/87.8/90 bar (Min/Nor/Max)
Design Pressure:	93.8 bar
Operating Temperature:	0/10/20 deg. C (Min/Nor/Max)
Density / Sp. Gravity:	67.4/87.9 kg/m ³ (Min/Max)
Viscosity:	0.01 cP

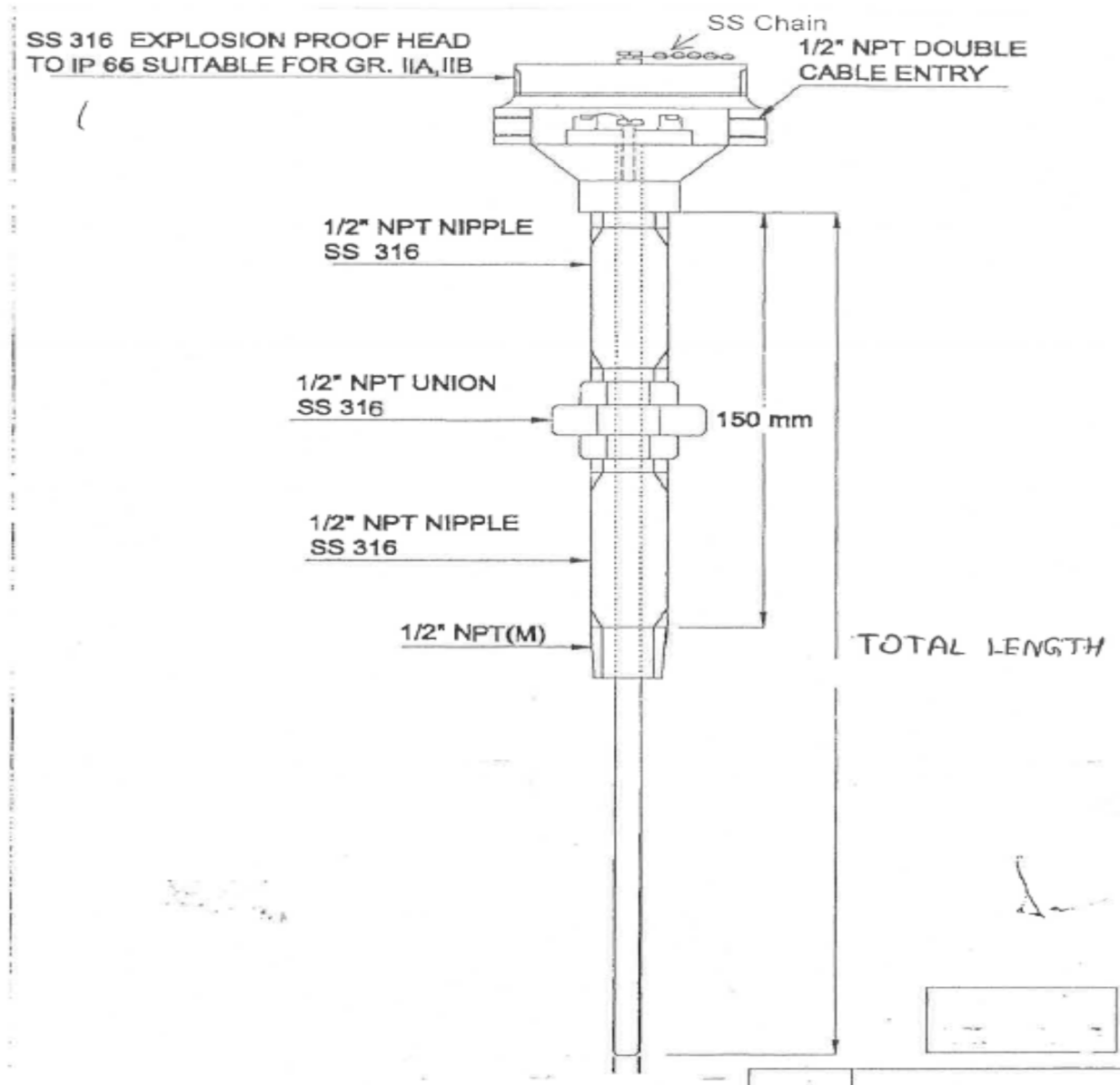
Head :

Head Type:	Threaded
Head Material:	SS316
Enclosure Class:	IP66
Haz. Area Classification:	Zone 2, Gr. IIA & IIB T3
Enclosure type:	Weater proof TO IP 66 & Explosion Proof Certification : Eex d- ATEX
Open End:	Terminated into ceramic spring loaded terminal block with SS base plate
Cable Gland:	Double compression cable gland in SS304.
Head Cover:	Screwed cap with SS chain
Conduit connection:	½" NPT (F)
Nipple/Union:	½"

Head Extension:

Type:	Threaded (Nipple-Union-Nipple)
Size:	1/2" NPT
Extension length:	150 mm
Material:	SS316

Note: RTD Calibration will be witnessed by PLL person at your site.



Annexure - A

Sr.No.	Tag No.	Total Length In MM	Insertion Length in MM	Seath Dia. & Material	Qty
1	Ph-I RTD	427	277	6 MM O.D. Of SS 316	10
2	Ph-II RTD	630	480	6 MM O.D. Of SS 316	10
3	Ph-III RTD	465	315	8 MM O.D. Of SS 316	10
4	GSPL RTD	593	443	6 MM O.D. Of SS 316	10
5	DGEN RTD	567	417	8 MM O.D. Of SS 316	4