

Specification List Of Recovery Lines for the Helium Plant

- 1 Laying of 2 inch NB, Schedule 40 , SS 304 pipes & 1 1/8 " Hard Copper Pipe of Length =100 meter.
- 2 All joints should be welded by Argon welding (Butt welding).
- 3 Bimetal joints (brass/copper/SS) should be provided wherever required.
- 4 Dry penetration test will have to be performed for all joints .
- 5 Leak test of the entire fabricated line will have to be perform with pneumatic air /nitrogen air
- 6 There should be provision of suitable support wherever necessary, at ground level and also at the flooring/ceiling level as per site requirements.
- 7 Suitable couplings, fittings and plugs (brass/copper/SS 304) to be fitted /installed in the line as per requirements .
- 8 Labour and material charges should be included .
- 9 The list of material to be used is given below :-
 - SS 304 Schedule 40 Nickel 8% Seamless pipe 2" , approx. 100 meter in length
 - Copper Piping 1 1/8 "dia., approx. 30 meter
 - Elbows 2 " / T 2" dia. SS 304 Nickel 8 % seamless as per requirement.
 - Castle Valves /NRV's/Shut off valves as per requirements.
 - Nitrogen gas /Oxygen gas /Argon gas cylinders as per requirement.
 - Diaphragm type Gas Flow meter BK- 6T of M/s Elster Handel, Germany or equivalent with maximum flow rate =10 m³ /hour, minimum flow rate =0.006 m³/hour
- 10 The list of material is not exhaustive.
- 11 Additional Material will have to be supplied at no extra cost wherever required.
- 12 Vendors are encouraged to visit the site before submitting a quote.
- 13 Transport, labour charges and taxes should be included.