

Specification of Density Transmitter

Application	:	Density measurement of Uranium ore slurry
Carrier density	:	1 Kg/litre
Solid density	:	2.8 Kg/Litre
Measurement range	:	1 to 2 Kg/litre
Process temperature	:	operating 35 deg. C Maximum 50 deg. C
Process Pressure	:	Operating 40 PSi Maximum 60 PSi
Nominal Pipe size:		200 / 125 NB
Pipe Schedule	:	10
Pipe Material	:	Mild Steel (Wall thickness 10mm)
Lining material	:	Rubber (Lining thickness 6mm)
Input power	:	24V DC
Output	:	4 to 20mA (HART)

Note to Bidders:

We are possessing radio active source Cs137 (Gamma Ray) of 10mCi (200NB pipeline)/5mCi (125NB pipeline) intensity used for density application (fitted with E&H India make density transmitter. Model: Gamma pilot, Radioactive source were Supplied by BRITS, BARC). The same source shall be used with the indented transmitter. Bidder may visit the site or ask for any other information they may require for assessment of the installed source.

TYPICAL APPLICATION DIAGRAM

