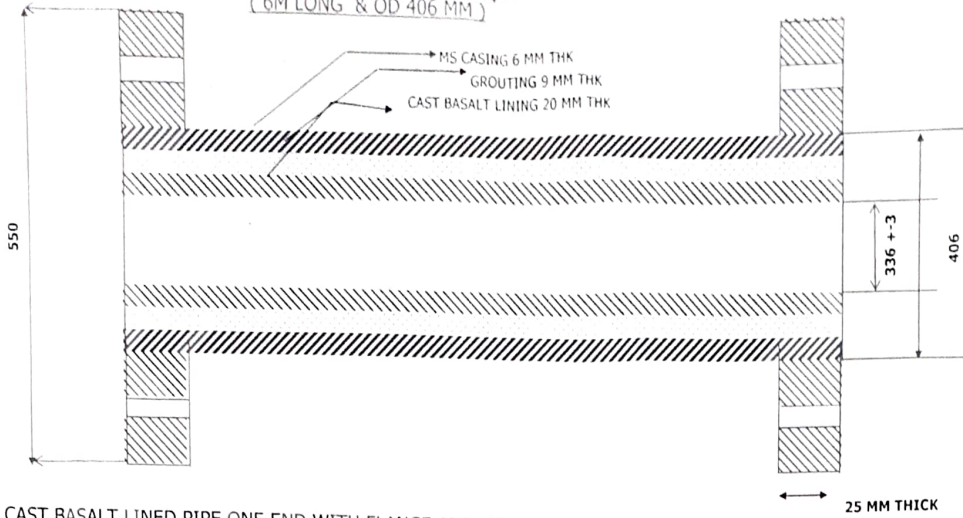
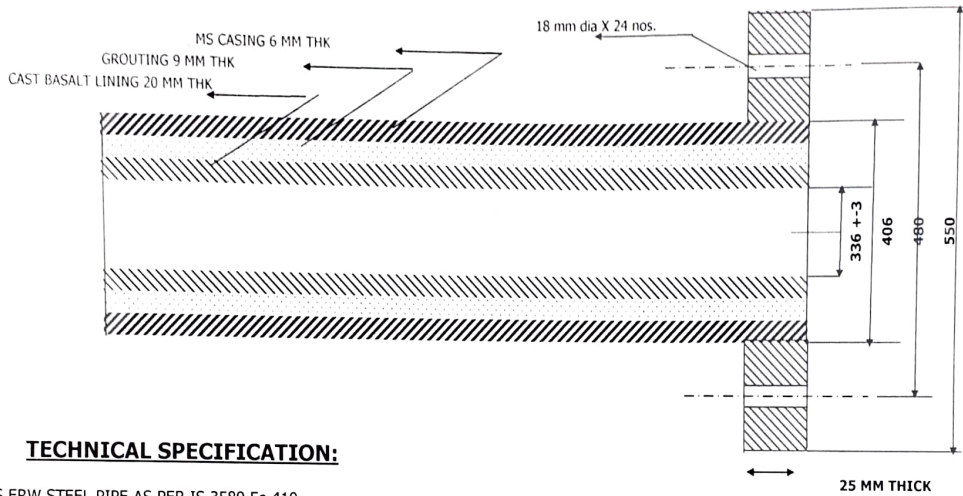


ANNEXURE - I (A)

CAST BASALT LINED PIPE WITH BOTH ENDS FLANGE
(6M LONG & OD 406 MM)



CAST BASALT LINED PIPE ONE END WITH FLANGE AND OTHER END PLAIN
(6M LONG & OD 406 MM)



TECHNICAL SPECIFICATION:

- 1 MS ERW STEEL PIPE AS PER IS 3589 Fe 410.
- 2 CAST BASALT INSERTS ARE TO BE JOINED TOGETHER BY SUITABLE EPOXY CHEMICAL COMPOUND
- 3 CAST BASALT LINING THICKNESS 20 MM WITH TOLERANCE + OR - 1 MM
- 4 CAST BASALT LINERS OF EACH JOINT OF MINIMUM OF 500 MM OR MORE
- 5 THE CAST BASALT HARDNESS SHALL BE IN THE RANGE OF 8.0 TO 9 MOHS
- 6 THE LENGTH IS TO BE FABRICATED SUITABLE FOR TRANSPORTATION (6 M) + 50 MM
- 7 BLAST CLEANING TO SSPC SP-10/SA 2^{1/2} PAINTING OF ONE COAT OF EPOXY ZINC PRIMER 50 MICRONS WITH 80 % ZINC AND TWO COATS OF COAL TAR EPOXY 100 MICRONS EACH (BLACK) - TOTAL TFT -250 Microns

Specific gravity : 2.9 gm/cm³
 Porosity : 0.3% (maximum)
 Compressive strength : 4200 -4500 kg/cm²
 Maximum operating temp. : 350 deg c

SiO ₂	42 - 48 :	42-48%
Al ₂ O ₃	12 - 14 :	12-14%
Fe ₂ O ₃ & Feo	13 - 14 :	13-14%
MgO	10 - 11 :	10-11%
CaO	11 - 12 :	11-12%
Othres	6 - 8 % :	6-8%

Note : The chemical composition shown is indicative and for reference only

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