ANNEXURE

Material of construction MS PU Lined short piece as follows:

1. Shell material: as per IS:226/2062 Flanges & machined collars: as per IS:226/2062 Pipe Material: as per IS:226/2062

Shell /Pipe thickness: as per Drg no.OP-04-568

2. PU Lining Specification:

Hardness: 80°± 5° shore 'A'

Tensile strength:

100% Modulus:

Angle tear strength (DIEC):

Elongation:

Resilience:

Abrasion:

33 Mpa

8.3 Mpa

75 kN/m

450 %

62 %

35 mm³

Cured density: 1.08 gm/cm³

Compression set: 28 %

Lining thickness: As per Drg no.OP-04-568

3. Outside surfaces painting to be carried out as follows:

Chlorinated rubber painting –

- a. Chlorinated rubber based zinc phosphate primer with dft (dry film thickness) of 35-40 microns.
- b. Two coats of chlorinated rubber based finished paints with a dft (dry film thickness) of each coat 35-40 microns.

Service Condition:

The material will be used for slurry pumping and distribution for processing. The slurry consists of highly abrasive minerals with saline water.

The specific gravity of solids: 4.00
The specific gravity of pulp: 1.25
Percentage of solids w/w: 25

Velocity of slurry:

Average particle size (of solids in slurry):

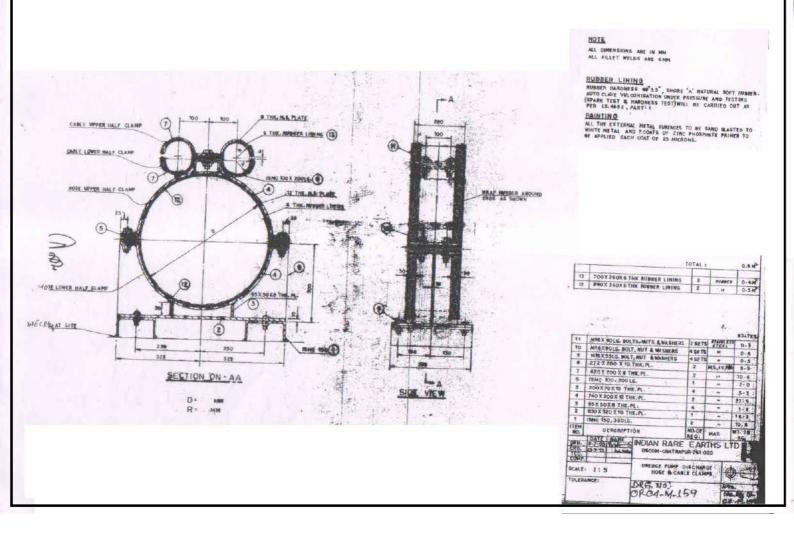
4.7 m/sec

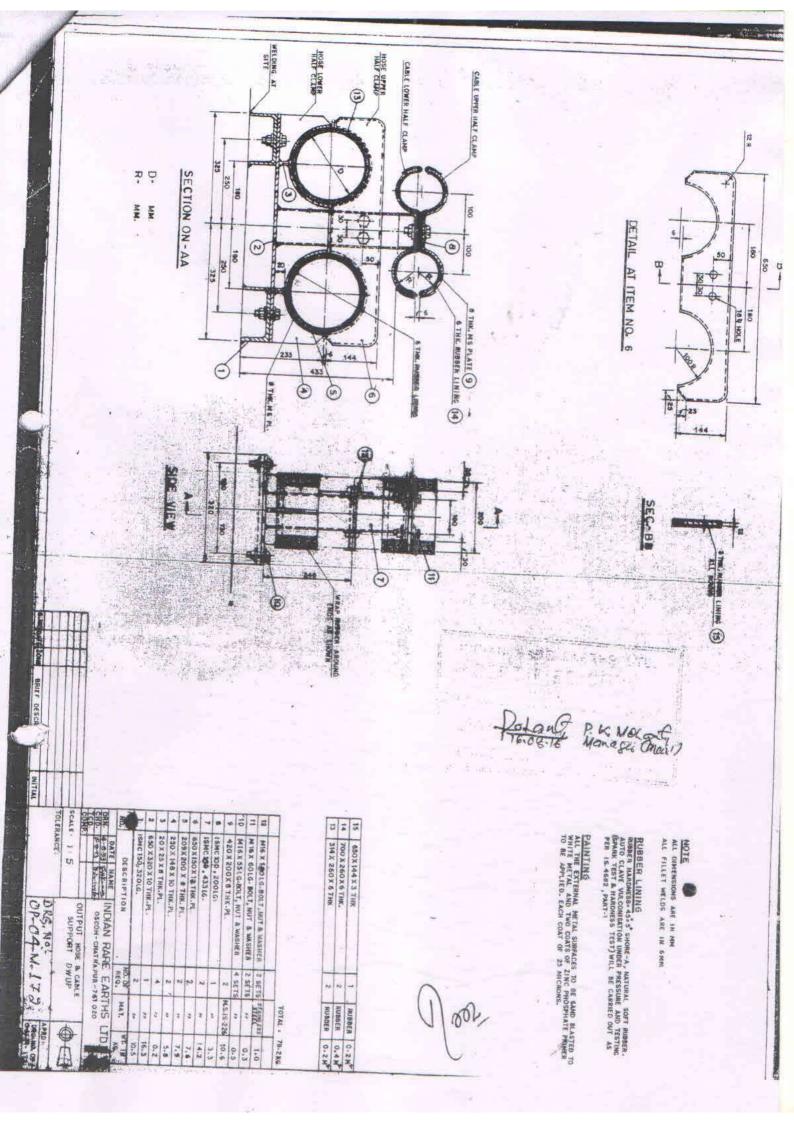
150 microns

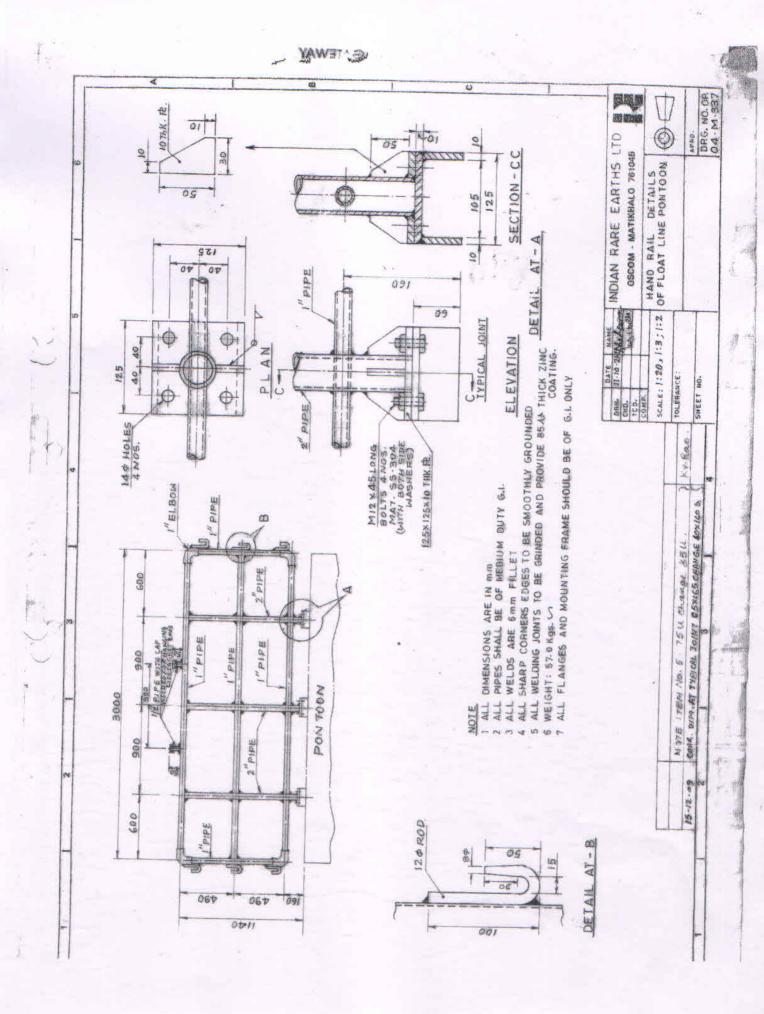
Working pressure:

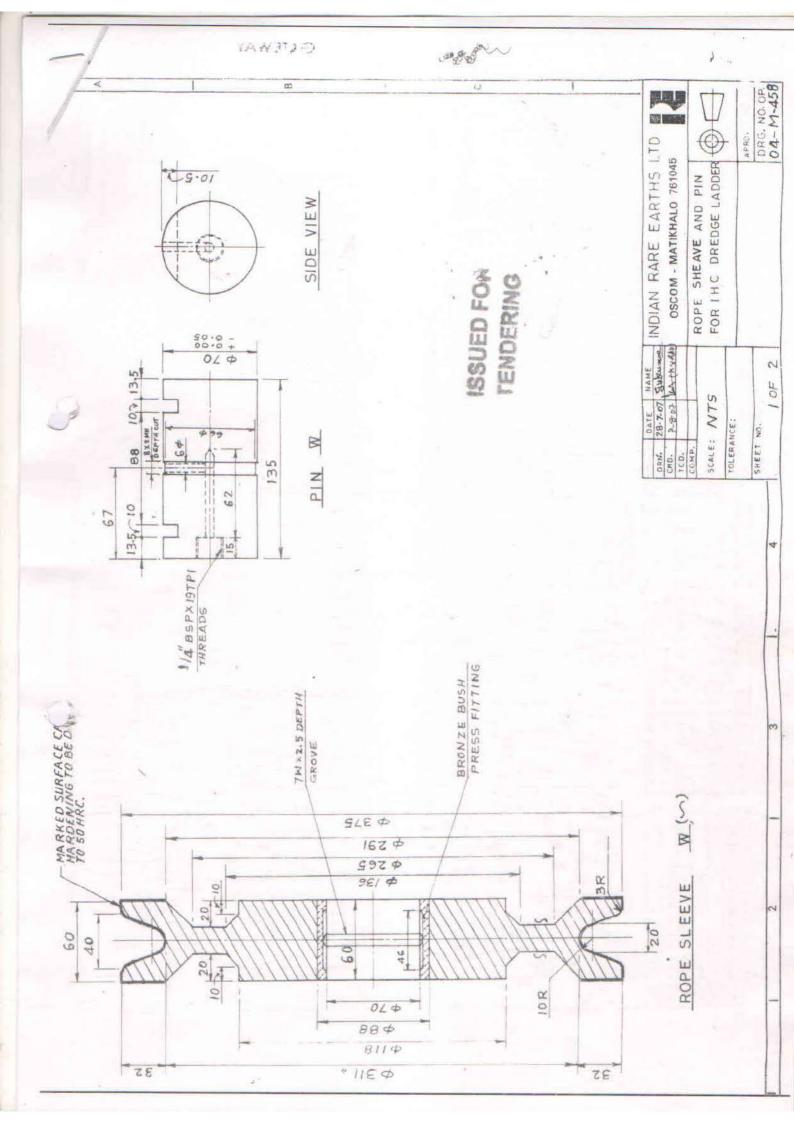
10 kgf/cm²

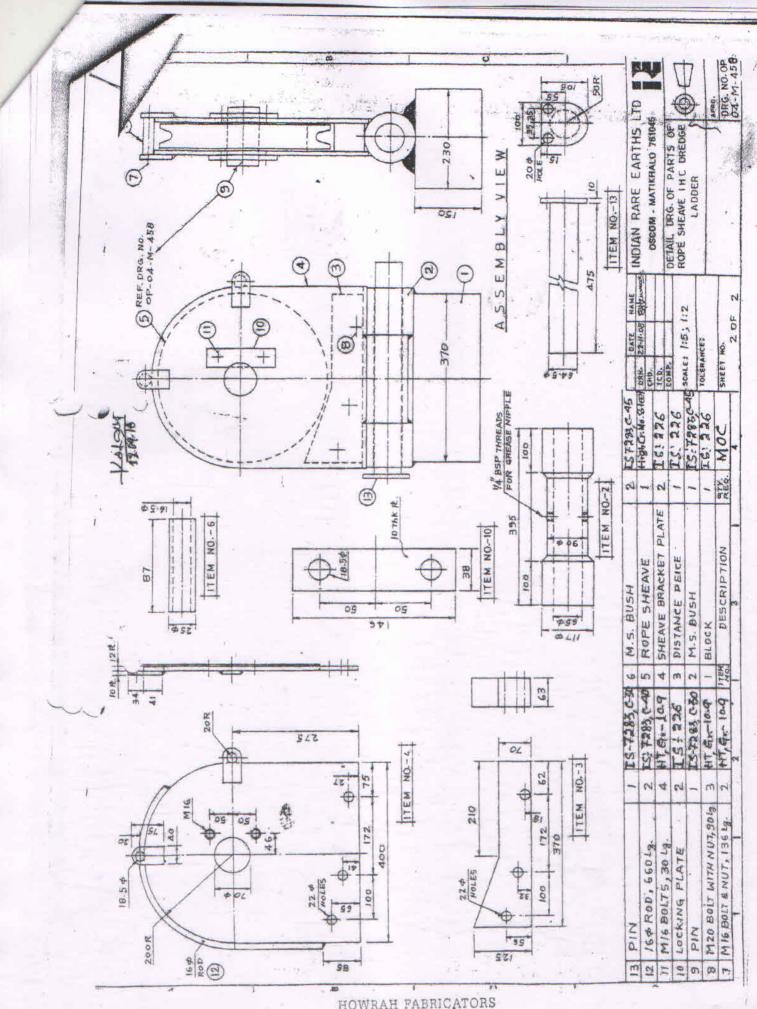
NOTE: PU casting should be in single cast only without any joint.











HOWRAH FABRICATORS

IREL (India) Limited

OSCOM-MATIKHALO 761045

TITLE-

DISCHARGE LINE

SHORT PEICE

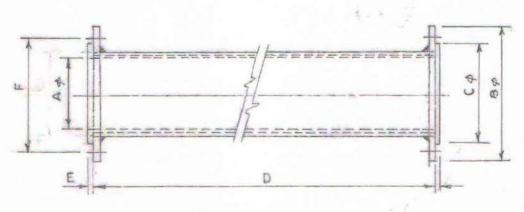
DRG. NO. : 0P-04- M- 568

SCALE :___ N-7-5.

Coheheme DBN.:_

CHD:_ DATE: 08/11/2012

APRD :



SHORT PEICE

ITEM NO	DESCRIPTION	AA	B中	€ \$	D	E	F. P. CO.	RE MARKS	Qty.
1	DISCHARGE LINE	200	360	306	1500	8 MM	8 NOS 22 4 HOLE ON 324 PGD ELG. TAK-16 MM	M-S-PIPE WITH PULLINING.	6
2	-do-	200	360	300	1200	8 MM	G NOS 22 P HOLE ON - 324 PCD FLG. THE-IG WM	-do-	6
3	TAILS DISCHARGE	250	430	400	1100	8 MM	8 NOS 22 + HOLE ON 356 PLD . FLG. THE 16MM	- do -	6
4	3								

- NOTE 1) ALL DIMENSIONS ARE IN-MM , UNLESS OTHERWISE STATED IN DRG
 - 2) DIMENSIONS SHOWN AFTER PU-LINING.
 - 3) ALL FLANGES SHOULD BE WELDED ON OFF CENTRE LINE

 - 4) ALL FILLET WELDS SHOULD BE GMM CONTINIOUS.

 5) LINING MATERIAL POLY DRETHANE, SHORE HARDNESS & 1 50 SCALE. A