FORM III-A

[See regulation 4(e)]

Certificate of Manufacture and test for Pipes

Certificate No:	Date:
Name of part & Quantity	
Drawing No	
Maker's name and address	
Customer's Name & Address	
Design pressureKg/cm ²	
Design temperature°C	
RAW MATERIAL	
Process of manufacture	
Fully Killed/rimmed	
Chemical composition.	
Heat Number	
Size	
Test Certificate No. & Date.	
Name of the Steel Maker	
Name of Inspecting Authority	
PIPES	
Process of manufacture	
Main dimensions.	
Tolerances	
Specification	
Bend test on pipe or weld	
Flattening test	
Other tests	
Tensile strength	
Chemical Composition	
Heat treatment	
Hydraulic test Kg/cm ²	
Identification mark of Inspecting Authority/Well known pipe maker	

NOTE.- In addition, the following information in respect of the material shall be furnished in a tabular form in conformity with the requirements of regulation 4(c)(vi) or the note thereto, as the case may be. The information may be given from the established test data or if the material is of standard quality an extract from the standard may be furnished instead.

Metal	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600
temperature															
°C															
Et															
Sc															
S_{r}															
MAWP															

Tensile strength at 20°C.

Where

Date ___

 E_t = Yield point at temperature t (0.2% proof stress)

**S_c = Average stress to produce an elongation of 1% (creep) in 100,000 hours at various working metal temperatures.

** S_r = Average and lowest stress to produce rupture in 100,000 hours at the various working metal temperatures.

MAWP = Maximum Allowable Working Pressure in Kg./cm²

	Temperature range in the table	e may extend upto the limit of applicability of the material.	
tempera	**The value of S_c and S_r necessary above 454°C (850°F).	ed be furnished only in respect of Pipes intended to be used for working me	tal
drawing	Certified that the particulars No	entered herein are correct. The particulars of fabricated component are shown	in
test of _	of Kg/cm² a	nd constructed to comply with the Indian Boiler Regulations for a maximum workind maximum temperature of°C and satisfactorily withstood a war day of 20, in the presence of our responsible representation:	ter
	Representative nd signature)	Maker(Name and Signatur	re)
The test		have been constructed in accordance with Indian Boiler Regulations 195 ken from the finished pipes have been witnessed by us and the particulars enter	
	nd signature of etent Person	Name and signature of Inspecting Authority/Well Known Pipe Maker	

- NOTE (1).- This form is intended for the use of both pipe manufacturers and pipe fabricators. Only such of the columns or paragraphs that are applicable, or information that can be obtained and furnished from other certificates, need be filled or entered in this form.
- NOTE (2).- In the case of fabrications made from steel pipes obtained from elsewhere, particulars in regard to the "material" and "pipes" shall be taken from similar forms of certificates obtained in respect of pipes and noted in the appropriate columns or paragraphs.
- NOTE-(3).- For Stock and sale purpose, one Form shall be issued for not more than five pipes.

In the case of pipes made from steel, made and tested by well known Steel Makers in India or other countries, particulars regarding the 'material' as certified by them in Form IV shall be noted in the appropriate columns or paragraphs of Raw material in this certificate.