"FORM III-B

[See regulation 4(f)]

Certificate of Manufacture and Test for Tubes

Certificate N														oate:		
Name of par																
Drawing No																
Maker's nan																
Customer's																
Design press				n²												
Design temp	erature	e	. °C													
RAW MAT	ERIAL	,														
Pro	cess of	manu	facture													
Process of manufactureFully killed/rimmed																
Chemical Composition																
Siz	e															
Test Certificate No. & Date Name of the Steel Maker																
		•	U	,												
TUBES																
Pro	cess of	manu	facture													
	_															
	r Tests															
5					-8,											
Identification	n marl	c of Ins	spectin	g Auth	ority/V	Vell kn	own tu	be mal	cer							
			- I	0												
NOTE 1	n add	ition, t	the fol	lowing	infori	nation	in res	pect o	f the	materia	al shall	l be fu	ırnishe	d in a	tabula	ır form in
																be. This
																an extract
						shed in										
Metal	250	275	300	325	350	375	400	425	450	475	500	525	550	575	600	
temperature																
°C																
Et																
Sc																

Tensile strength at 20°C.

W	here

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

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

 $**S_r \qquad = \text{Average and lowest stress to produce rupture in 100,000 hours at various working metal temperatures}.$

MAWP = Maximum Allowable Working Pressure in Kg./cm²

Temperature range in the table may extend u	apto the limit of applicability of the material.
temperature above 454°C (850°F).	ed only in respect of tubes intended to be used for working metal a are correct. The particulars of fabricated component are shown in
drawing No The tube has been designed and constructed pressure of Kg/cm² and maximum	to comply with the Indian Boiler Regulations for a maximum working temperature of°C and satisfactorily withstood a water 20, in the presence of our responsible representative
Maker's Representative (Name and signature)	Maker (Name and Signature)
	been constructed in accordance with Indian Boiler Regulations 1950. finished tubes have been witnessed by us and the particulars entered
Name and signature of Competent Person	Name and signature of Inspecting Authority/Well Known Tube Maker
Place Date	

- NOTE (1).- This form is intended for the use of both tube manufacturers and tube 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 tubes obtained from elsewhere, particulars in regard to the "material" and "Tubes" 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 ten tubes.

In the case of tubes 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.''.