

**FORM III**  
[See regulation 4(c)(ii) ]

**Constructor's Certificate of Manufacturer and Test**

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1. Description	Constructor's Name and address..... Manufactured for/Stock purposes ..... Contract No. .... Type of Boiler ..... Length overall Diameter inside Largest belt ..... Design pressure ..... Kg/cm <sup>2</sup> Reheater Pressure -----Kg/ cm <sup>2</sup> Maker Number of boiler ..... Year of Make ..... Total heating surface ..... Sq. m Evaporation capacity ..... (for calculation of relieving capacity of safety valves) Final Temperature of steam (Design) Superheater Outlet.....°C Reheater Outlet ..... °C  Brief description of boiler .....
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2. Parts manufactured at the constructor's works	Name of Components(s)..... Drawing No.....  Manufactured by ..... Identification marks ..... Part(s) manufactured, inspected at all stages of construction by ..... (Inspecting Authority).  Part(s) hydraulically tested and inspected after test by .....
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3. Parts manufactured outside the constructor's works	Name of Components(s) ..... Drawing No.....  Manufactured by ..... Identification marks ..... Part(s) manufactured, inspected at all stages of construction by ..... (Inspecting Authority).  Part(s) hydraulically tested and inspected after test by .....

**Note:** Similar information is to be furnished for each part manufactured outside the constructor's Works.

4. Construction

(a) The construction is in accordance with Chapter III/ V / X / XII / XIV of the Indian Boiler Regulations.

Number of longitudinal seams in shell/drum in each belt .....

Number of longitudinal seams in furnace in each ring .....

Number of circumferential seams in shell/drum .....  
(including end seams) .....

Number of circumferential seams in the furnace .....

Details of repairs, if any, carried out in welded seams during construction .....

Details of heat treatment .....

All welded seams were subjected to Radiographic examination to the satisfaction of the Inspecting Authority, where required.

Note : Strike out whichever is not applicable

5. Details of Drums/Shells

No.	Nomenclature	Nominal dia.	Length	Shell plate		Tube plate		Head			Manholes No. & Size	Hydrostatic test lbs./sp.in
				Thickness in mm.	Inside radius mm.	Thickness in mm	Inside radius mm	Thickness in mm	Type*	Radius of dish in. mm		
1	2	3	4	5	6	7	8	9	10	11	12	13

\*Indicate (1) Flat (2) Dished (3) Ellipsoidal (4) Hemispherical.

6. Headers and Boxes

<i>Description</i>	<i>Size and shape</i>	<i>Thickness in mm</i>	<i>Head or end</i>		<i>Hydrostatic test Kg/cm<sup>2</sup></i>
			<i>Shape</i>	<i>Thickness in mm</i>	

7. Mountings

<i>No.</i>	<i>Nomenclature</i>	<i>Material</i>	<i>Type</i>	<i>No.</i>	<i>Size</i>
1.	Main stop valve				
2.	Auxiliary stop valves				
3.	<b>Safety valves</b> (a) (b) (c)				
4.	Blow down valves				
5.	Feed Check valves				

8. Details of the safety valves and test results (Regulation 4 (c) (Vii))

Manufacturer .....

Identification marks of valves .....

Maker's No. ....

Type .....

Life (mm) ..... Drawings Nos. ....

Valves details :

    Material .....

    Valve Seat .....

    Flat/Bevel .....

    Diameter of valve seating .....

Valve Body :

    Material .....

    Opening at neck .....

    Opening at outlet .....

Springs:

    Material .....

    Process of manufacture .....

    Chemical composition .....

Dimensions :

    Outside diameter of coil .....

    Section of wire .....

    Number of coils .....

    Free length of coils .....

Test results :

    Place of test ..... Date .....

    Closing down pressure .....

Remarks :

    Does the valve chatter? .....

    Does the valve seat leak? .....

    Blow off pressure .....

    Type of valve and extract of test results .....

    Type of valve .....

    Place of test ..... date .....

    Constant 'C' by test results .....

    Capacity of the valve for the intended blow off pressure .....

*Signature of Maker's representative*

*INSPECTING AUTHORITY witnessing tests*

9. Certified that the particulars entered herein in manuscript by us are correct and that parts and fittings in sections 2 to 9, against the names of which entries are made have been used in the construction and fittings of the boiler.

The particulars shown against the various parts used are in accordance with the enclosed certificates from the respective Makers.

The design of the boiler is that as shown in Drawing Nos. ....

The boiler has been designed and constructed to comply with the regulations under the Boilers Act, 1923, for a working pressure of ..... Kg/ cm<sup>2</sup> at our Works above-named and satisfactorily withstood a water test of ..... Kg/ cm<sup>2</sup> on the ..... day of ..... 20 ..... in the presence of our responsible representative whose signature is appended hereunder.

Least pressure is for (name of the component)\_\_\_\_\_ and is \_\_\_\_\_ kg/cm<sup>2</sup>(g)

Maker's Representative

Maker \_\_\_\_\_

(Name, signature and stamp)

(Name, signature and stamp)

Name, signature and stamp of  
Competent Person

Name, signature and stamp of  
Inspecting Authority

Dated ..... the day of ..... 20.....