Form XVI:R01 Dated: 07.08.2026

FORM-XVI

[Regulation 358(4)]

WORKS ADDRESS

Constructor's Certificate of Manufacture and Test

1.	Description	Type of Economiser No. of Sections Intended working pressure Year of manufacture Description	No. of tubes kg/cm^2(g) Total heating Surface of tubes
2.	Inspecting Authority	Economiser constructed under supervision of ……. Sections hydraulically tested for …… minutes and inspected after test by ……	
3.	Construction and Workmanship	Details are in Drawing No. …… All castings are well finished free from external defects, porous places and blow-holes and true to dimensions without warping. Where chapters are used, there is satisfactory fusion with the metal. Chapters properly tinned with metal free from lead. All screw threads are of Whitworth form. All components parts are manufactured to limit gauges to secure interchangeability throughout.	

		Parts	*Material*	*Maker*	*Competent Person's Remarks*
4.	Economisers and fittings				
	Particulars of material used	Headers Tubes and/or Pipes Valve Chest Bolt			

THICKNESS OF PARTS AND TENSILE TEST—LIMIT

5. Part of Economiser	*Thickness in 32nds*	*Tensile strength limits to tons*	*Elongation limits to %*	*Gauge Length*	*Brand and No.*
Headers					
Tubes					
Bolts					

Certified that the particulars entered herein are correct and that the parts and fittings mentioned above have been used in the construction and fittings of the Economiser.

The particulars shown against the various parts used are in accordance with the Maker's certificates in our possession.

The design of the economiser in section and end view with principal parts fully dimensioned is that shown in Drawing No. …… The Economiser has been designed and constructed to comply with the Indian Boiler Regulations for a Design pressure of …… kg/cm^2(g) at our Works above-mentioned and the sections satisfactorily withstood a water test of …… kg/cm^2(g) for …… minutes on …… day of ……20…… in the presence of our ……responsible representative whose signature is appended hereunder.

Signature of Engineer who witnessed the test *Designation of Maker*

Dated at …… this …… day of …… 20…… Name and *Signature of Inspecting Authority*

Note: The drawing of the Economiser and Maker's certificate of manufacture showing results of tests for tensile strength and elongation shall accompany this certificate and if the economiser has been built under the supervision of an Inspecting Authority their certificate in Form-XV shall accompany.