

Introduction:

For small boilers, it is mandatory to run the boilers with the help of certified Boiler Attendants as per the Indian Boiler Regulation, 1950. This **Directorate is conducting Boiler Attendants' Examination generally twice in a year and providing certificates to the successful candidates as per the said Rules.**

Where First Class Boiler Attendant is Required ?

The owner of

- i) A Single boiler or
- ii) Two or more boilers connected in a battery or
- iii) Many separate individual boilers situated in a radius of 30 meters

having a total heating surface not exceeding 1000 sq. meters shall keep the boiler or boilers in direct charge of a First as per the Boiler Attendants' Rule, 2011.

Where Second Class Boiler Attendant is Required ?

The owner of a single boiler with steam pipe of any type, the heating surface of which does not exceed 200 sq. meters shall place the boiler in charge of a Second Class Boiler Attendant.

Eligibility Criteria for Boiler Attendants' Examination:

First Class Boiler Attendants' Eligibility Criteria

(As per Boiler Attendants' Rule,2011)

1. **Qualification:** Second Class Boiler Attendant Certificate
2. **Experience:** 2 years experience as boiler attendant as Second Class Certificate of Competency in sole working charge of a

Boiler whose heating surface is not less than 50 square meter

or

3 years Training Certificate including one year apprentice in boiler related job and one year service with Second class Certificate of Competency with boiler having heating surface greater than 50 square meters.

3. **Age:** Not less than 20 years
4. **Photograph:** 2 copies of recent self attested passport size (50mmX65mm) photograph signed on the back side by the candidate.
5. **Character Certificate:** From the Employer.
6. **Fees:** Rs.500 by On-Line through GRIPS Portal in the Inspection Head.
7. **Documents:** One set of self attested copy of all relevant documents.
8. **N.O.C:** From the Director of Boilers of the Concerned State for the candidates of other states.

Second Class Boiler Attendants' Eligibility Criteria

(As per Boiler Attendants' Rule,2011)

1. **Qualification:** Matriculation or equivalent
2. **Experience:** 2 years experience as Fireman or Assistant Fireman or Operator or Assistant Operator of a steam boiler

or

3 years as Fitter where boilers are manufactured or erected or operated or repaired out of which he should have served as Assistant Fireman for at least for one year

Or

2 years experience in Small Industrial Boiler for ITI certificate holders

3. **Age:** Not less than 18 years
4. **Photograph:** 2 copies of recent self attested passport size (50mmX65mm) photograph signed on the back side by the candidate.
5. **Character Certificate:** From the Employer.
6. **Fees:** Rs.300 by On-Line through GRIPS Portal in the Inspection Head.
7. **Documents:** One set of self attested copy of all relevant documents.
8. **N.O.C:** From the Director of Boilers of the Concerned State for the candidates of other states.

How To Apply for Boiler Attendants' Examination:

This is for general information to candidates who wish to appear in the Boiler Attendants' Examination the following guideline is to be followed for submission of application form to this Directorate for conducting the examination smoothly:

- 1) Application form as per Boiler Attendants' Rule-2011 may be collected by the applicant from the following sources as per their convenience.
 - i) From the latest edition of IBR Book.
 - ii) From the website of the Directorate of Boilers, West Bengal.
 - iii) It may be Xeroxed or typed in the prescribed format of Form A of Boiler Attendants' Rule-2011(see rules 26 and 42).
- 2) Candidates from **Kolkata, 24 Parganas(N), 24 Parganas(S), Howrah, Nadia, Murshidabad, Birbhum, Medinipur(E), Medinipur(W), Hooghly and Burdwan(except Durgapur and Asansol Sub-Division)** district under the jurisdiction of Head Office will

submit their application forms **by post only** to the Head Office at the Directorate of Boilers, 8th floor, New Secretariat Building, 1, K.S.Roy Road, Kolkata-700001.

- 3) Candidates from **Durgapur Sub-Division** will submit their application forms to the Office of Deputy Director of Boilers, Durgapur, 2nd floor, 1st Administrative Building, City Centre, Durgapur – 713 216, Dist. Burdwan, Telephone No.(0343)2545592 Durgapur Branch office will forward those application forms to the Head Office after scrutiny and verification.
- 4) Candidates from **Asansol Sub-Division, Bankura and Purulia** district will submit their application forms to the Office of the Deputy Director of Boilers, Sitarampur, P.O. Sitarampur, Dist. Burdwan, Telephone No.(0341)2510517. Sitarampur Branch office will forward those application forms to the Head Office after scrutiny and verification.
- 5) Candidates from **Darjeeling, Jalpaiguri, Coochbihar, Alipurduar, Maldah, North Dinajpur and South Dinajpur** district will submit their application forms to the Deputy Director of Boilers, Malda Branch Office. Maldah Branch office will forward those application forms to the Head Office after scrutiny and verification.
- 6) Candidates of West Bengal can apply at any time through out the year.
- 7) Candidates from other States (Outside West Bengal) can only apply when notification is specifically served for examination for the candidates of other States.
- 8) Following documents are to be enclosed with the filled in application:-
 - i) Attested copy of Madhyamik Certificate.
 - ii) Experience Certificate in original with counter signature.
 - iii) Two copies of recent self attested photographs(size 65 mm x 50 mm) of the applicant duly signed on the back side.
 - iv) NOC in original(for candidate outside West Bengal).
 - v) Original ol-line challan of Rs.300/500 for 2nd/1st Class candidate respectively(submitted under Head of Account “023-000-103-00-114(Service fees-14) through GRIPS portal.
 - vi) On self-addressed envelope with postage stamp of Rs.5/- duly fixed.
 - vii) The envelope containing the duly filled in Application Form should be superscribed as “Application for 1st/2nd Class Boiler Attendants’ Examination”.

Syllabus for Second Class Boiler Attendant:

Understands (a):-

- (i) Working and management of steam boiler and economiser
- (ii) Use and purpose of valves, cocks, mountings and fittings
- (iii) Precautions for light up of boiler

- (iv) Use of feed pump and injector
- (v) Reading of pressure gauges
- (vi) Cleaning of boiler
- (vii) Preparation of boiler for inspection, hydraulic test and steam test.
- (viii) Precautions for isolation of boiler
- (ix) Prevention of smoke in boiler
- (x) Venting and draining of steam pipe
- (xi) Precaution in cases of shortage of water, bulging, busting of tubes etc.
- (xii) Starting of an economiser.
- (xiii) Putting out of in economiser.

(b) :-Able

To clean the boiler,
 Maintenance of mountings and fittings
 Replacement of mountings and fittings
 Replacement of valves and cocks etc.

Syllabus of First Class Boiler Attendant Examination:

- (a) Working management of steam boiler, super-heater and economiser.
- (b) Use and purpose of various valves, cocks, mountings, fittings and safety devices.
- (c) Description and function of BFP, feed injector, feed regulator, feed water filters and softeners, feed heaters, air heaters, clarifiers, accumulators, F.D.Fans, I.D.Fans . Draft system and draft control devices.
- (d) Combustion system, Overall efficiency of boiler.
- (e) Description and principles of stokers, pulverizers, gas. Oil and pulverized fuel systems.
- (f) Cleaning method of boiler, PH value of water.
- (g) Detect defects in boiler and remedial measures.
- (h) Start up of boiler, economiser.
- (i) Putting out of in economiser.
- (j) Instrumentation of boiler
- (k) Cause and effect of corrosion of boiler.
- (l) Use of water softener
- (m) Principles on which feed pump and injector works.
- (n) Prevention of smoke
- (o) Purpose of super-heater, economiser, feed heater, Forced and induced draft appliances and stokers.

Subjects of examination of Boiler Attendants' Examination:

- 1) Oral examination pertaining to boiler practice
- 2) Practical demonstration in examination room if required.

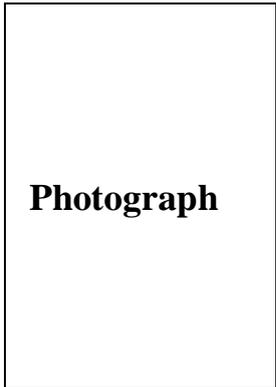
Proforma of Application of Boiler Attendant Examination:

FORM 'A'
(See rules 26 and 42)

Application for competency as Boiler Attendant

PART I: NAME ETC OF THE APPLICANT

1. Name (in full):
2. Father's Name:
3. Nationality:
4. Date of Birth:
5. Place of Birth:
6. Permanent Address:
7. Whether appeared in any previous examination:
8. If so, details of date and place:



PART II: PARTICULARS OF ALL CERTIFICATES SUBMITTED

Number of the certificate	Class of certificate	Place of issue	Date of issue	If any time suspended or cancelled, and if so state by whom	Date of suspension or cancellation	Reason of suspension or cancellation
1	2	3	4	5	6	7

PART III: LIST OF TESTIMONIALS AND STATEMENTS OF SERVICE

(The testimonials to be numbered serially corresponding to the numbers given in column below)

Serial number of	Date of testimonials	Name of person	Address and designation	Number, type and	Capacity in which

testimonials		signing testimonials	of factory or workshop where employed	heating surface of boilers worked on	employed
1	2	3	4	5	6

Service of applicant		Period for which employed			Not to be filled by the applicant	
Date of commencement	Date of termination	Years	Months	Days	Initials of verifier	Remarks
7	8	9	10	11	12	13

Total Service

Time served for which certificates are produced

Time served for which no certificates are produced

PART IV: DECLARATION TO BE MADE BY THE APPLICANT

I do hereby declare that the statements made in Part I, II and III of this form are correct and true to the best of my knowledge and belief; and that the papers enumerated in Part II and submitted with this form are true and genuine documents and further that the copies of the documents submitted with this form are true and correct. I further declare that the statements made in Part III contain a true and correct amount of the whole period of my service without exception, and I make this declaration conscientiously believing the same to be true.

Dated atthis day of20....

Signature of the applicant
Present address.

Signed in the presence of

Signature.....

Designation

NOTE:

1. Every application must be accompanied with the requisite fee in the manner as may be prescribed by the Government.
2. Two copies of a recent bust photograph of the applicant (size 50mm X 65mm) must accompany the application with applicant's signature on the back thereof, duly attested by a Gazetted Officer or the candidate's employer.
3. Any person making a false statement for the purpose of admission to the examination renders himself liable to prosecution.
4. Incomplete application is liable to be rejected.

PATR V

(Not to be filled by the applicant)

Certified that shrihas been examined for Certificate of Competency as First / Second Class Boiler Attendant and that he has passed/failed in the examination held during.....

Issue of Certificate of Competency as First / Second Class Boiler Attendant when certified to have passed.....

Certificate No.....issued on.....and duplicate recorded.

(Secretary)
Board of Examiners