



Government of Goa
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NOTICE

Sub: Publication of the Prospectus for Two Years Two Weeks Duration Training Programme of Boiler Attendant Course by Inspectorate of Factories & Boilers starting from 01.08.2025 to 13.08.2027.reg

As approved by Government of Goa, the prospectus for Two Years Two Weeks Duration Training Programme of Boiler Attendant Course (as enclosed) by Inspectorate of Factories & Boilers, Altinho, Panaji, Goa starting from 01.08.2025 to 13.08.2027 is hereby published on date 28.05.2025.

(ANANT S. PANGAM)
Chief Inspector of Factories & Boilers

Copy to: PA/CIF&B



GOVERNMENT OF GOA
INSPECTORATE OF FACTORIES
AND BOILERS

**BOILER ATTENDANT
COURSE PROSPECTUS**



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GOVERNMENT OF GOA
INSPECTORATE OF FACTORIES AND BOILERS

CURRICULUM & PROSPECTUS OF
“BOILER ATTENDANT COURSE”

2 Years Two Weeks Duration Training Program
in
Boiler Operation & Management of Boiler

CONDUCTED AT
INSPECTORATE OF FACTORIES AND BOILERS
ALTINHO, PANAJI, GOA

(Period - 01/08/2025 to 13/08/2027)



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PREFACE



The significance of the training program on Boiler operation and management provides the candidates an opportunity to work under trained and certified boiler operators and impart them necessary capacity, expertise and knowledge and equips them with the necessary skills for safe operation and management of the boiler. The 2 years Two Weeks duration Training Program in Boiler Operation and Management will enable the candidate to become a Boiler Attendant in different industrial establishments. Upon successful completion of the training program, participants will be eligible to apply for examination for Second Class Boiler Attendant and on passing of the same, the candidates will be granted Certificate of Competency as Second Class Boiler Attendant, under The Boiler Attendant Rules, 2011(Central Rules).

It is two years two weeks , fulltime, regular, offline training program consisting of theory and practical knowledge on boiler to understand the operation and safe working of the boiler which is also the basic and essential components of the course curriculum.

The objectives of the course are to enable the candidates to -

1. Carry out the operation and management of boilers safely and also maintain necessary records and log book for management of boilers.
2. Diagnose faults of the boilers and its auxiliaries.
3. Gain knowledge of safety precautions and boilers safety rules.
4. Work in facilities like boiler house or power plants & utilities such as:
 - a) Water Tube / Smoke tube or Combo Boilers
 - b) High-pressure boilers used in Power generation
 - c) Waste Heat Recovery Boilers
 - d) Small Industrial Boilers

PROGRAMME GOALS



After completion of the training program, candidate should be able to carry out the operation and management of boilers safely and also maintain necessary records and log book for management of boilers, diagnose faults of the boilers and its auxiliaries and also will have sound knowledge of safety precautions and boiler safety rules.

Boiler operators typically work in facilities like power plants or boiler, engine, and mechanical rooms. They will be responsible for all of the systems that generate heat or electricity in a facility. Some of the equipment that they are responsible for includes:

- Low-pressure boilers
- High-pressure boilers
- Power boilers
- Steam boilers
- Hot water heating systems

Boiler Attendant will be required to make manual adjustments to this equipment during their servicing. They are often on their feet, but they also have to be physically fit to crawl inside boilers during their inspections. Many times, they will be required to work in teams or under supervision of Senior Boiler Operators, especially in their early career.

SPECIFIC LEARNING OUTCOME

1. Boiler Startup Procedure.
2. Adjust the safety valves for correct blowing with safety.
3. Checking and renewal of gland packing's of pump and valves.
4. Stoking boiler including cleaning and banking fires in a workman like manner to prevent avoidable smoke.
5. Check and adjustment of boiler mountings.
6. Operate, maintain and service of easing a safety valve, blow down cock, fusible plug.
7. Operate boilers in emergency in the event of:
 - a) Loss of fire
 - b) Failure of F.D. Fan.
 - c) Failure of I.D. Fan
 - d) Failure of air pre-heater
 - e) Boiler tube failure
 - f) Failure of economizer tube and super heater tube.
 - g) Failure of boiler feed pump and sudden less of read
 - h) Blocking of coal passage
 - i) Failure of lagging
 - j) Jamming of the grate,
 - k) Failure of gauge glass.
8. Operate, maintain and service soot blowing and boiler furnace during operation.
9. Explain importance of draft temperature readings at special loads. Interpretation of deviation from standard reading for identical loads.
10. Maintain Entries and upkeep of log sheet, trouble log, etc. operate and maintain of modern packaged type and automatic boilers.

METHOD OF TRAINING

FIELD TRAINING

The eligible candidates will be placed on four different type of boilers / factories during the training period. The period of training on one boiler / factory will be six months and upon completion of the same, he will be placed on different boiler / factory.

THEORY SESSIONS

Upon completion of 2 years of on field training, candidates will be required to attend 2 weeks' theory classes related to Boilers, Mountings & fittings and other relevant topics at Inspectorate of Factories and Boilers, Altinho, Panaji - Goa.

Theory	On-Job Training	Total
02 weeks	02 years	02 years 02 weeks

SYLLABUS

A candidate, in order to be qualified for a Certificate of Competency of the Second Class, shall, inter alia, satisfy the examiners that –

(a) He clearly understands

- i. the working and management of a steam boiler and economiser;
- ii. the use and purpose of the various valves, cocks, mountings and fittings;
- iii. the precautions to be taken and procedure to be observed before starting fires and when raising steam;
- iv. the use of a feed pump and injector;
- v. the reading of the pressure gauge;
- vi. the need for periodical cleaning and pure water supply and for prevention of scale or other deposits on heating surfaces;
- vii. the need for periodical inspection of boilers and the manner in which they should be prepared for thorough inspection, hydraulic test and steam test;
- viii. the precautions to be taken before entering or allowing any person to enter a boiler that is connected to another boiler under steam;
- ix. the use of the best means of firing for the prevention of smoke;
- x. the danger of water lodging in steam pipes and the precautions to be observed in draining;
- xi. the procedure to be followed in the event of shortage of water, bulging or fracture of furnaces or flat plates or bursting of tubes or of any accident to a boiler or steam pipe;
- xii. precautions to be taken when starting an economiser to work after a period of rest; and
- xiii. procedure to be adopted in bringing an economiser into commission and also for putting it out of commission while the boiler is on steam; and that—

(b) He is able —

- i. to stoke a boiler including cleaning and banking fires in a workmanlike manner;
- ii. to show how avoidable smoke may be prevented;
- iii. to blow through and test the correctness of water gauge glasses and test cocks;
- iv. to replace a gauge glass and show how a false water level might be shown

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ALTINHO, PANAJI, GOA – 403001

Website: www.ifbgoa.goa.gov.in, E-mail: ifb.goa@nic.in

Telephone: 0832-2404870

INFORMATION BROCHURE CUM APPLICATION FORM FOR
TWO YEARS TWO WEEKS TRAINING PROGRAMME

“BOILER ATTENDANT COURSE”

DURATION: 01/08/2025 to 13/08/2027

DATE OF PUBLICATION OF THE INFORMATION BROCHURE CUM APPLICATION
FORM: 01/06/2025

LAST DATE FOR RECEIPT OF THE APPLICATION FORM BY SPEED POST OR BY
HAND DELIVERY TO THE INSPECTORATE OF FACTORIES & BOILERS ALTINHO,
PANAJI, GOA:
30/06/2025

Applications are invited in the format attached herewith for the Two Years Two Weeks Duration Course. Upon successful completion of the training program, participants will be eligible for appearing examination for Second Class Boiler Attendant, which will fulfil the requirement in terms of qualification for Boiler Attendant as required under The Boiler Attendants' Rules, 2011.

The classes for the Boiler Attendant Course shall be conducted in off-line mode only, the course being a statutory requirement under The Boiler Attendants' Rules, 2011.

DURATION OF THE TRAINING PROGRAMME

- The program will be conducted from 01/08/2025 to 13/08/2027

NOMENCLATURE OF THE TRAINING PROGRAMME:

- Two Years Two Weeks Duration Training Program in Operation and Management of Boilers. Upon successful completion of the training program, participants will be eligible for appearing the examination for Second Class Boiler Attendant.

ESSENTIAL ELIGIBILITY CRITERIA FOR ADMISSION:

- a) Shall not be less than eighteen years of age.
- b) Has passed matriculation or equivalent examination from a recognized Institution or Board.
- c) Shall possess Valid Certificate of Residence in the State of Goa for last fifteen years issued by the Competent Authority.

SELECTION CRITERIA FOR ADMISSION:

- Maximum intake capacity for this training programme at Inspectorate of Factories & Boilers, Altinho, Panaji, Goa is 20.
- Shortlisted candidates will be called for the interview at the Inspectorate of Factories & Boilers, Altinho, Panaji, Goa.
- The Selection Committee constituted for Boiler Attendant Course shall be conducting the interview.
- The decision of the Selection Committee along with the report of the Course Co-ordinator (Provisional merit list) shall be published on website and Notice Board of the Department.
- The decision of the Selection Committee shall be final.
- No TA/DA will be paid for attending the interview.
- The candidates shall produce all the certificates and documents in original at the time of interview for verification.
- TIE PRINCIPLES –Wherever two or more candidates have secured equal aggregate marks, these tie(s) is/are resolved in accordance with the principles as mentioned below:-
 - ⇒ Priority-1: Age-Senior will be in the upper order of merit.
 - ⇒ Priority-2: Date/Year of Completion of matriculation examination or equivalent will be in the upper order of merit.
- Incomplete application form (along with the documents to be submitted as mentioned in the prospectus) shall be rejected and no communication shall be made with the individual candidates.

APPLICATION PROCEDURE:

- Intended candidates can express their interest by sending the duly filled application form in prescribed proforma along with self-attested copies of necessary attachments through REGD A.D, Speed post or by hand delivery only addressed to “Chief Inspector of Factories & Boilers, Inspectorate of Factories & Boilers, Altinho, Panaji, Goa – 403001.
- Last Date for receipt of the Application form by speed post or by hand delivery shall be: 30/06/2025 by 5 pm.
- Application forms sent by any other means other than mentioned above (like email/ fax) shall not be considered/accepted.
- The Information related to admission/selection or any other matter for this training program will be notified/updated on the Notice Board of Inspectorate of Factories & Boilers, Altinho, Panaji, Goa – 403001 and department website (www.ifbgoa.goa.gov.in) from time to time.
- No personal communication will be made to individual candidates.
- Commencement of the Training programme: 01/08/2025.
- Detailed training programme schedule will be intimated / notified to the selected candidates.

IMPORTANT INFORMATION:

- Only after verification of all documents with original and submission of required papers, the provisionally selected candidates will be allowed to deposit fees as per the details given below:
- Fees for the Course: On the day of admission to the course, the provisionally selected candidates will be issued e- challan of Rs 20,000/- (non-refundable) as fee and same needs to be paid by the candidate by online mode or depositing the said amount in treasury bank.
- Candidates will be placed at different factories/establishments and it will be at the discretion of Course Co-ordinator.
- Expenditure towards travelling to factories / establishments and all other incidental costs shall be borne by the respective candidate.
- Payment of stipend / salary/ wages will be solely at the discretion of the factory / establishment in which candidates are placed and no representation regarding payment of stipend / salary/ wages, etc. will be entertained by this Department.
- This provisional admission will be granted based on the information / documents furnished by the candidates as per their application form and during the admission process. In case of any credentials / information / document / certificate etc. being detected or identified or being noticed at any point as false / fabricated / tampered / misleading, his / her candidature and certificate are liable to be cancelled and the fees paid will not be refunded. Appropriate action in this regard will be initiated by the Chief Inspector of factories and boilers.
- During the training program, the students will be placed in a factory / establishment in four phases over the period of two years on-job training i.e. 6 months in every factory / establishment. After completion of every phase, the candidate shall submit the experience certificate to the Chief Inspector of Factories & Boilers at Inspectorate of Factories & Boilers, Altinho, Panaji, Goa. Those who fail to produce the experience certificate will not be allowed /placed for the next phase of on-job training.
- The expenses towards travelling to factories/establishment where candidates will be placed for training and all other incidental costs shall be borne by the respective candidates.
- Food / Stay/ Books / Stationeries / copies of study materials / handouts / lectures / notes and other assignments, etc. as part of the curriculum have to be borne by the candidate himself / herself.
- Any kind of indiscipline / uncivilized behavior and unparliamentarily language in the factory / establishment during the training and in the Department during theory sessions shall be dealt with strictly and may bar the candidate from this course.
- For any matter related to this training course, the decision of the Chief Inspector of Factories & Boilers, Inspectorate of Factories & Boilers, Altinho, Panaji, Goa shall be final.

APPLICATION FORM



Government of Goa
Inspectorate of Factories and Boilers
Altinho, Panaji, Goa – 403 001

**APPLICATION FORM FOR ADMISSION TO
“BOILER ATTENDANT COURSE”**

1. Name of the Candidate: _____
2. Categorys i.e. SC/ST/OBC/General: _____
3. Address in full to which a
reply to this application
is to be sent: _____

4. Place of Birth: _____
5. Date of Birth: _____
6. Permanent address: _____
7. Parent's/Guardian's name, _____
Contact No. : _____
8. Were you admitted previously in any training Institute run by the Government
of India or by the State Government?

9. If the answer is YES, give name & address of the Institute and state reasons
for your leaving it: _____
10. Previous trade/course experience, if any: _____

(Give details regarding all examination starting with the Minimum Qualifying Examination)

Sr. No.	Name & address of School/Institutes/ College	Examination	Month & Year	Pass or fail	Subjects taken	Total marks obtained in the first attempt

2. LIST OF ATTESTED COPIES OF CERTIFICATES attached to this application

- | | |
|--|--------|
| 1) Statement of marks obtained in each of the examination. | YES/NO |
| 2) Certificates of passing of each of the examination. | YES/NO |
| 3) Fifteen years Residence Certificate in the State of Goa | YES/NO |

Date: _____

Signature of
Candidate



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**INSPECTORATE OF FACTORIES
AND BOILERS**

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ALTINHO, PANAJI, GOA. 403 001**