

GOVERNMENT OF ANDHRA PRADESH  
BOILERS DEPARTMENT

BOILER OPERATION ENGINEERS EXAMINATIONS, 2016-2017

**NOTIFICATION**

B3/4599/2016.

Dated: 16.11.2016.

Applications are invited from the candidates for Boiler Operation Engineers examination under the Boiler Operation Engineers' Rules, 2011 to be held in February, 2017 / March, 2017. The written Examination will be held at Vijayawada. The exact dates of written and oral examinations will be intimated later.

The candidates possessing the following qualifications are eligible to apply.

**AGE:** Should have completed 23 years of age as on 31.10.2016.

**QUALIFICATIONS:** A Degree or Diploma in Mechanical or Electrical or Chemical or Power Plant or Production or Instrumentation Engineering or Instrumentation and Control Engineering from a recognized institution.

**SERVICE:** Must have served for not less than Two (2) years in case of Degree holders and five (5) years in case of Diploma holders as on 31.10.2016, in the operation and/or maintenance of a Boiler of not less than one thousand square meters heating surface or a Battery of Boilers of not less than one thousand square meters heating surface in aggregate out of which at least one Boiler of not less than five hundred square meters heating surface. However, for degree holders or post-graduate diploma holders from a National Power Training Institute, requirement of minimum working experience shall be one year.

**EXAMINATION FEE:** **Rs.1500/-** (Rupees one thousand five hundred only)

Necessary application form, Examination subjects and instructions to candidates may be downloaded from website **ap.gov.in** The filled in applications along with enclosers should be sent to **The Chairman, Board of Examiners and Director of Boilers, Andhra Pradesh, Amaravathi, Plot No.XIV-D5 & 6, D.No.54-10-19, 2<sup>nd</sup> Floor, Opp: New Telephone Exchange, Jawahar Autonagar, Vijayawada – 520 007, Krishna District** along with 2 Nos. of self addressed 10" x 5" size envelopes with Rs.10/- postage stamp affixed on each. **Last date for receipt of filled in application: 30.12.2016.**

**CHAIRMAN  
BOARD OF EXAMINERS  
AND DIRECTOR OF BOILERS  
ANDHRA PRADESH, AMARAVATI**

**INSTRUCTIONS FOR FILLING BOILER OPERATON ENGINEERS EXAMINATION  
APPLICATION FORM**

1. The applications may be downloaded from **website: [www.ap.gov.in](http://www.ap.gov.in)**

**2. ELIGIBILITY CRITERIA**

- i. Age : Shall not be less than 23 years as on **31.10.2016**.
- ii. a) **Qualification and Experience:** Possesses a Degree or Diploma in Mechanical or Electrical or Chemical or Power Plant or Production or Instrumentation Engineering or Instrumentation & Control Engineering from a recognized Institution.  
  
b) Has served not less than two years in case of Degree holders and for five years \*\* incase of Diploma holders in Operation and / or Maintenance of a Boiler of not less than 1000 Sq. Meters heating surface.

OR

A battery of Boilers of not less than 1000 Sq. meters heating surface in aggregate out of which at least one Boiler is of not less than 500 Sq. meters heating surface.

**\*\* However degree or post Graduate Diploma holders from National power Training Institute requirement of minimum working experience is one year.**

**The service after acquiring the required qualification only will be counted for the purpose and as on 31.10.2016.**

**3. Mode of Examination:**

The Examination is conducted in two parts viz. Written Examination followed by viva Voce. There will be three papers of Written Examination in BOILER I, BOILER II AND DRAWING subjects each with a maximum of 100 marks Viva examination with maximum of 100 marks will be conducted after the Written Examination Syllabus for Examination will be as per **Annexure III**.

**For award of certificate of Proficiency a candidate shall secure at least 45 percent in each written paper as well as Drawing ad oral Examination but the aggregate should not be less than 50 percent.**

4. Applicants are advised to see the **[website: www.ap.gov.in](http://www.ap.gov.in)** for updates.

## BOILER OPERATION ENGINEERS EXAMINATIONS, 2016-2017

### INSTRUCTIONS TO CANDIDATES

**EXAMINATION FEE:** Every application must be accompanied by a treasury original challan of **Rs. 1500/-** paid under the Head of Account “ 0230 – Labour and Employment: 103 - fee for Inspection of Steam Boiler; 01- Fee for Inspection of steam Boilers.” & under DDO code **2700-1505-001** in any of the Treasuries in the Districts of Srikakulam, Vizianagaram, Visakhapatnam, East Godavari, West Godavari, Krishna, Guntur, Prakasam, SPSR Nellore, Chittoor, YSR Kadapa, Kurnool and Anantapuram of Andhra Pradesh State. The challan should be in the name of applicant only.

### COMMON INSTRUCTIONS:

1. a) Self attested Xerox copy of SSC Certificate should be furnished for proof of age.  
b) Self attested Xerox copy of Degree/diploma should be furnished for proof qualification. (The originals should be produced at the time of oral test for verification)
2. A service certificate in prescribed proforma as per annexure-II duly signed by the Boiler Owner or user should be furnished in **original**.
3. A certificate physical fitness should be submitted along with application in the form enclosed.
4. Three copies of a recent pass port size photo of the application must accompany the application with applicant's signature and attestation of a Gazetted officer on back side of photos.
5. Any person making a false statement of the purpose of admission to the examination renders himself liable to prosecution.
6. Incomplete applications are liable to be rejected.
7. Applications received after the last date will not be considered.
8. **Incase of candidates from other States, they should send the application through the Competent Authority (i.e. Chief Inspector of Boilers / Director of Boilers) of the respective States.**
9. The fee will not be refunded under any circumstances. However, in case of rejected applications, the board may decide that the candidates shall be admitted to any subsequent examination held within one year without payment of fresh examination fee if he finds eligible.
10. This office will not take any responsibility for postal delays.
11. The filled in applications should be sent to **The Chairman, Board of Examiners and Director of Boilers**, Andhra Pradesh, Amaravathi, Plot No.XIV-D5 & 6, D.No.54-10-19, 2<sup>nd</sup> Floor, Opp: New Telephone Exchange, Jawahar Autonagar, Vijayawada – 520 007, Krishna District along with 2 Nos. of self addressed 10” x 5” size envelopes with Rs.10/- postage stamp affixed on each. **Last date for receipt of filled in application: 30.12.2016.**

**SYLLABUS FOR BOE EXAMINATION**

*[As mentioned in the Notification by Government of India; Ministry of Commerce and Industry under "The Boiler Operation Engineer's Rules, 2011"]*

A candidate in order to be qualified for a certificate of proficiency under these rules; shall, inter alia, satisfy the examiner that he—

- (a) can calculate loads, areas, volumes, quantities and weights;
- (b) can give description of the principal types of steam boilers used on land and to state the purposes and reasons for which different types of boilers are employed; and from the data and formulae supplied, calculate the safe working pressure for any part of a boiler in accordance with the Indian Boiler Regulations;
- (c) can calculate the direct stress, the torsional stress and the bending stress in round bars and shafts and the bending stress in rectangular bars and levers with given load;
- (d) understands the working and management of steam boilers, super heaters and economizers;
- (e) understands the use and purpose of various valves, cocks, mountings, fitting and other safety devices.
- (f) can give a description of and explain the functions of feed pumps, feed injectors, feed regulators, feed water filters and softeners, feed heaters, air heaters, calorifiers, steam accumulators, forced draught, induced draught and automatic draught control devices;
- (g) can answer questions on fact relating to combustion, heat and steam and calculate consumption of coal and water and quantity of steam that may be generated from a given heating surface under the various systems of draught, in any land boiler and also calculate the overall efficiency of boiler plant;
- (h) can explain jet and surface condensation, reheating and the working of steam expansion;
- (i) can explain the general methods employed in laying foundation for boilers and chimneys and the suitable area and height of chimneys promote efficient combustion;
- (j) can explain the significance of principal appliances in use for the prevention of smoke and the principle on which they work and give description of the principal mechanical stokers, pulverizers, gas, oil and pulverized fuel systems in use;
- (k) understands the need for periodical cleaning, the methods used for prevention of scale or other deposits on heating surfaces and the necessity for maintaining a certain PH value in feed water;
- (l) can detect defects in boilers and state the means and methods of rectifying them.
- (m) understands the precautions to be taken for starting a boiler and economizer from cold or from banked fire condition;
- (n) understands the procedure to be adopted in putting an economizer out of commission while the boiler is on steam;
- (o) can explain the methods adopted for the achievement of fuel economy and the use of various instruments used in a Boiler House;
- (p) materials used in Boiler components and piping; and
- (q) can read and prepare a working sketch and drawing of boilers and boiler mounting or parts thereof.

**FORM 'A'**  
(See rules 26 and 41)

**APPLICATION FOR CERTIFICATE OF PROFICIENCY  
AS BOILER OPERATION ENGINEER**

**PART – I**

**NAME, ETC., OF THE APPLICANT**

1.	* Name (in full)		Pass port size Photograph
2.	Father's Name		
3.	Nationality		
4.	Date of Birth		
5.	Place of Birth		
6.	Permanent Address		
7.	Email ID		
8.	Mobile No.:		
9.	Employee Provident Fund A/c.No.		
10.	Whether appeared in Any previous examination		
11.	If so, details of place and date		
12.	Challan No....., Date ..... Amount Rs. <b>1,500/-</b> place of STO / SBH / SBI ..... .....		

**\* NOTE: Name of the candidate shall be same as recorded in his / her SSC/  
Matriculation / X standard Certificate.**

**PART – II**  
**PARTICULARS OF ALL CERTIFICATES SUBMITTED**

Number of the Certificate	Class of Certificate	Place of issue	Date of issue	If at any time Suspended or cancelled, and if so state by whom	Date of suspension or cancellation	Reasons 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 1 below)

Serial Number of testimonials	Date of testimonials	Name of person signing the testimonials	Address and designation of factory or workshop where employed	Number, Type and heating surface of boilers worked on	Capacity in which employed	Service of Applicant		Period for which employed			Not to be filled in by the applicant	
						Date of Commencement	Date of termination	Years	Months	Days	Initial of Verifier	Remarks
1	2	3	4	5	6	7	8	9	10	11	12	13

Total Service

Time served for which certificates are produce.

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 account of the whole period of my service without exception, and I make this declaration conscientiously believing the same to be true.

Date at.....this.....day of.....20.....

Signature of the applicant

Present Address:.....

Signed in the presence of .....

Signature:.....

Designation:.....

- Note:**
1. Every application must be accompanied with original challan for Rs. 1,500/- remitted in any Treasury in Andhra Pradesh State.
  2. Two copies of a recent pass port size Photographs of the applicant must accompany the application with applicant's signature on the back-thereof, duly attested by a Gazatted Officer or the candidate's employer.
  3. Any person making a false statement for the purpose of the admission to the examination renders himself liable to prosecution.
  4. Incomplete application is liable to be rejected.

**PART – V**  
*(Not to be filled by the applicant)*

Certified that Shri \_\_\_\_\_ has been examined for Certificate of Proficiency as Boiler Operation Engineer and that he has passed / failed in the examination held during \_\_\_\_\_

Issue of Certificate of Proficiency as Boiler Operation Engineer when certified to have passed Certificate No..... issued on.....and duplicate recorded.

(Secretary)  
Board of Examiners



**CERTIFICATE OF PHYSICAL FITNESS**

I, do here by certify that I have examined (Full name) Sri..... S/o Sri.....a candidate for Boiler Operation Engineer and cannot discover that he has any physical deformity or blindness of one or both eyes or deafness or stammering or other defect of speech. I further certify that I cannot discover that he has any disease communicable or otherwise constitutional affection of bodily infirmity except his weight is in

excess  
below of the standards, or except .....

I do not consider this a disqualification to perform duties of Boiler Engineer.

I do further certify that is my opinion general physical condition in such as to enable him to perform efficiently the active duties of Boiler Operation Engineer.

His age is according to his own statement ..... years and by appearance about .....years.

I also certify that he has marks small pox  
Vaccination

I further certify that the candidate has affixed his signature below in my presence.

Signature of the Candidate

Or thumb impression.....

**PERSONNEL DESCRIPTION OF APPLICANT**

- 1) Height - cms
- 2) Weight - kgs
- 3) Complexion -
- 4) Colour of hair -
- 5) Colour of eyes -
- 6) Personal Marks - 1.  
2.

Station:

Signature:

Dated:

Name:

Designation:

**Note:** The above certificate shall be issued by a Registered Medical practitioner of atleast M.B.B.S. qualification of a Civil Medical Officer of Rank not lower than a Assistant Civil Surgeon.

**SERVICE / EXPERIENCE CERTIFICATE**

Lr No: \_\_\_\_\_

Date: \_\_\_\_\_

This is to certify that Sri .....S/o.....is working in our organization as..... in the Operation and / or Maintenance of following boilers from..... to .....

The specification of the boiler/boilers on which he is working as follows:

SI.No.	Specifications	Boiler 1	Boiler 2	Boiler 3
1.	Registration No. of Boiler			
2.	Date of registration of Boiler or date of issue of first Provisional Order.			
3.	Working Pressure of Boiler			
4.	Heating Surface of Boiler			
5.	Type of Boiler			

He bears good conduct and character.

His age & date of birth as per the records are \_\_\_\_\_, & \_\_\_\_\_ and Provident Fund A/c. No. \_\_\_\_\_

The service particulars are verified by us and as per the company records. This certificate is issued to Shri \_\_\_\_\_ as per his request for applying to the Boiler Operation Engineer's Exams.

If any of the information in the certificate is found to be untrue, false or misrepresenting, then he shall be punishable as per the provisions of Boiler Operation Engineers Rules, 2011.

**\*Incomplete Service Certificate will not be considered.**

**Signature:**

Name &amp; Seal

(Under whom candidate is directly employed)

**Counter Signature:**

Name &amp; Seal

(Owner or Agent of Mill/Factory or Workshop)

Mobile No. :

Mobile No. :

Email ID :

Email ID :

Place :

Place :

Date :

Date :

**[The Service certificate in above given format to be submitted on company letter head with works address where boiler / boilers are in use]**