

Section 2(cb)

Competent Person :

Minimum Qualifications and Experience : Degree in Mechanical Engineering.

Academic Qualification

- I) **Experience:** Five Years in the following fields :
- a) Design of Boilers
 - b) Manufacture
 - c) Commissioning
 - d) Operation and maintenance
 - e) Inspection and certification during manufacture & operation and maintenance.
 - f) High Pressure Welding
- II) **Professional Qualification :** Second Level NDT Certificates from ISNT or any other professional body recognized by ISNT in Non Destructive methods of testing
- a) dye penetration
 - b) Radiography
 - c) UT (Ultra Sonic Testing)
 - d) Eddy current arc
- III) **Procedure for Recognition :** An examination shall be held by the Central Boiler Board Examination Standing Committee as following :-
1. Written Examination consisting of design manufacture/operation and maintenance of the boiler, NDT techniques, and Inspection& certification of boilers during manufacturer use. Viva-vocie on the above.

Area of Operations

2. It is proposed that such competent persons may be allowed and inspect and certify the boilers under manufacture erection and operation and maintenance throughout the world.

However, the competent persons shall inform the Chief Inspector of Boilers of the State where he want to operate alongwith his antecedents.

The competent person shall

- a) Receive a book for 100 certificates duly numbered (3 copies each) by the Board or by the Office of Chief Inspector of boilers of the state where he wants to operate for inspection & certification of boiler .
- b) One copy will be given to the owner /manufacturer of the boiler.
- c) (ii) One copy to the Chief Inspector of Boilers (In case of in service boilers)
- d) To the Inspecting Authority (in case of manufacturer of boilers)
- e) (iii) One copy will remain in the book.

Central Boiler Board Examination

The Central Boiler Board Examination CBB will issue a certificate to the candidate after passing the examination.

Validity of Authorization / Certification

- a) The applicant shall apply for renewal of authorization (certificates) no later than three (3) years after passing the Central Boiler Board Examination which shall be renewed provided the competent person shall work for inspection & certification of boilers under Indian Boiler regulations.
- b) A person whose authorization has not been reissued within the three year period shall be required to take the Central Boiler Board Examination again and receive a passing grade.

Issuance of Authorization

When the applicant has met the eligibility requirements as mentioned above and, at the request of the applicant's employer, or by the applicant himself a Central Boiler Board Authorizations Card and a certificate will be issued. The application for a authorization shall be on forms obtained from the Central Boiler Board. A competent Person may apply only one valid authorization card listing one employer in case of Inspecting Authority.

Continuation of Authorization

Renewal as Competent Person in Manufacturing

The requirement for renewal is as follows :

- 1) The inspector must maintain the employment eligibility requirements in case of manufacture of boilers.
- 2) Requests for renewal shall be made by the Competent Person. The request shall be accompanied by a certificate from the employing inspecting Authority that the Competent Person has maintained inspection proficiency by performing or supervising inspection activities or related activities and that the individual has met the continuing education requirements.
- 3) Renewal for the Competent Person working for boilers in operation (Use)
 - a) The Competent person should inspect at least 12 boilers in a calendar year.
 - b) Request for the renewal should accompany the copies of the certificates issued by him as a proof of his continuing in the inspection profession.

CENTRAL BOILER BOARD COMMISSIONED INSPECTORS

A Central Boiler Board Commissioned Inspector may perform in-service inspections and inspections associated with authorization, in process and acceptance of repairs and alterations as defined in the Indian Boiler Regulation (IBR). Their duties include, but are not limited to the following :

In-service Inspections

1. Have a thorough knowledge of the jurisdictional regulations and inspection requirements where the item is installed.
2. Verify the stamping or nameplate is legible and represents the item described on the inspection documentation. If the stamping or nameplate

is lost or illegible, instruct the owner or owner's representative to have the stamped data replaced in accordance with jurisdictional requirements. If the stamping or nameplate does not represent the item described on the inspection documentation, report that information in the inspection report filed with the jurisdiction.

3. Perform external and internal inspections and witness any required pressure tests.
4. Report the inspection results, including any nonconforming conditions, in the manner prescribed by the applicable jurisdiction.

Repairs and Alteration (IBR)

1. Verify that the Certificate Holder has a valid Central Boiler Board Certificate of Authorization and the activity is permitted under the scope of the certificate.
2. Verify that the Certificate Holder has the current IBR and addenda.
3. Monitor the quality control system and verify the system is being implemented to the requirements of the IBR.
4. Verify that all material complies with the IBR
5. Verify that all welding procedure specifications, procedure qualification records, and welder and welding operation records conform to the IBR.
6. Verify that heat treatments as required by the IBR have been performed and properly documented.
7. Verify that nondestructive examinations and tests as required by the IBR has been performed and properly documented.
8. Witness pressure tests as required by the IBR.
9. Verify that information in the IBR report forms is correct and that the nameplate has been properly attached.
10. Verify that the stamping or nameplate is correct and, where applicable, the nameplate has been properly attached.

Supervisor/Technical Manager

The inspector's employer shall employ one or more supervisor(s) /technical manager(s) however named, who have the overall responsibility for crying out inspection activities and to monitor the performance of the inspector. The supervisor/technical manager shall hold a valid Central Boiler Board Commission. Specific duties include those listed below:

1. Assist in maintaining the competency of the inspector at an acceptable level through methods such as discussions of work related topics; unique problems and their solutions; informal question and answer discussion sessions; and whatever other means that may be deemed beneficial.
2. Maintain a record of the inspector's assignments.
3. Take the necessary corrective action to ensure compliance with the jurisdictional or IBR requirements.

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