

Training Courses For Welder & Engineer Of Indian Railway

- Module I - Basic welding training for beginners --- 04 Week
- Module II - Refresher course --- 03 Week
- Module III - Need based training --- 02 Week
- Module IV - Training for welding supervisor --- 02 Week
- Module V - Training for newly recruited supervisor --- 02 Week

Major Course Content Covered In The Training

- ❖ Introduction to welding process
- ❖ Safety in welding and cutting.
- ❖ SMAW, GMAW, GTAW and Plasma cutting.
- ❖ Welding metallurgy.
- ❖ Welding consumables and Classification of electrodes & their uses.
- ❖ Stainless steel welding.
- ❖ Welding defects and their remedies.
- ❖ Inspection and testing of weld.



Salient Feature Of Training

- ❖ Theory: Practical = 30:70 for welders.
- ❖ Practical job for individual and its evaluation.

Evaluation Of Trainees And Their Gradation

- ❖ The trainees will be evaluated in two ways for allotment of final grade
- ❖ Theory weightage -20% & Practical weightage - 80%

Grade Of Welders — A - 80% and above B - 65% to 79% C - 50% to 64%



Regional Railway Welding Institute Centre of Excellence In Welding Training



Mission Statement

“ To develop positive attitude, knowledge, skill & workmanship of railway welders which improves the quality & goodwill of organization and also motivate them for increasing the productivity & improvement in performance of Indian Railways ”



WELD JOINT TEST LAB



CLASS ROOM

Coach Rehabilitation Workshop

(An ISO:9001, ISO:14001, ISO:50001, OHSAS:18001 Certified Workshop)

West Central Railway, Bhopal (MP) – 462010

About RRWI

- ❖ Established in 2007
- ❖ Caters the training need of WCR, CR, NCR, WR, NWR, SECR, ECR etc.
- ❖ Qualitative and effective theoretical & practical training of welding to develop professional competency.
- ❖ Refresh and update the technical knowledge & skill enhancement of staff in the field of welding to promote safe and punctual train services.
- ❖ Cover the Welding processes such as SMAW,GMAW,GTAW, Plasma cutting and Gas cutting.

Infrastructure

- ❖ Modern welding workshop
- ❖ 16 Nos. fully equipped booths
- ❖ Inverter based power sources
- ❖ Centralized fume extraction systems

Class room

- ❖ Equipped with multimedia LCD projector
- ❖ All lectures are bilingual on power point presentation

Weld Test Lab

- ❖ Enhance the awareness about welding quality.
- ❖ Destructive and Non - Destructive test facilities are available

Auditorium

- ❖ Modern hall with digital podium
- ❖ Promoting the advancement of welding and associated technologies through regular seminar & lectures.

Hostel Facility

- ❖ Hostel with mess facility available
- ❖ Total capacity to accommodate 70 persons.

“Centre of Excellence” Facilities

New items for upgradation of facilities such as SMAW inverter base rectifier, electric heating oven, gas cutting plant, power hacksaw, digital podium & toolkit.

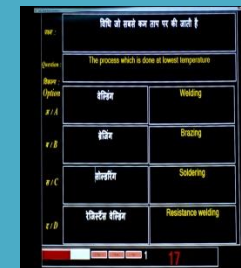


Welding booths are sunk in type equipped with all position welding fixture.

Training material has been digitized with the provision of digital welder helpdesk for better understanding of welding techniques.



Computerized examination started in place of viva-voice through randomly selected multiple choice questions which is helpful for less educated staff



Model room upgraded to show different welding position of pipe and plate welding joints, edge preparation & display of welding parameters on bead through sample pieces



Bilingual flex boards developed which provides useful information for welding and allied process.

Contact Person:-

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