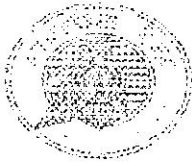


5 pages



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पूर्वोत्तर रेलवे

कार्यालय
महाप्रबन्धक (कार्मिक)
गोरखपुर।

ई0पी0सं0-8-17

क्रमांक- 97/2018

आरबीई सं0 74/2018

सं0 ई/287/8/भाग-7/चार

दिनांक 20-06-2018

सचिव / महाप्रबन्धक
सचिव / अपर महाप्रबन्धक
सभी विभागाध्यक्ष
सभी मण्डल रेल प्रबन्धक
सभी कार्मिक अधिकारी
सभी मुख्य कारखाना प्रबन्धक
सभी अतिरिक्त मण्डलाधिकारी / स्थापना
पूर्वोत्तर रेलवे।

विषय:- भारतीय रेलवे के धातुकर्म तथा रसायन संवर्ग के माध्यम से सीधी भर्ती किए गए रसायन तथा धातुकर्म सहायक एवं वरिष्ठ रसायन तथा धातुकर्म सहायकों के लिए संशोधित प्रशिक्षण कार्यक्रम की विषयवस्तु एवं अवधि।

रेलवे बोर्ड का पत्र सं0 ई(एमपीपी) 2018/3/12 दिनांक 28.05.2018 (अनुलग्नक सहित) की अंग्रेजी प्रतिलिपि सूचना, मार्गदर्शन एवं आवश्यक कार्यवाही हेतु संलग्न कर प्रेषित की जा रही है।

संलग्नक / यथोपरि

(आरबीई सं0 74/2018)
सकाधि / मुख्या0-11
कृते महाप्रबन्धक / कार्मिक

प्रतिलिपि निम्न को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित :-

- 1- महामंत्री / एन ई रेलवे मजदूर यूनियन / गोरखपुर - 40 प्रतियों में।
- 2- महामंत्री / प्रमोटी अधिकारी संघ / पूडरे / गोरखपुर - 02 प्रतियों में।
- 3- महामंत्री / रेसुब एशोसियेशन / पूडरे / गोरखपुर - 02 प्रतियों में।
- 4- पूर्वोत्तर रेलवे प्रथम श्रेणी अधिकारी संघ / गोरखपुर - 01 प्रति में।
- 5- महामंत्री / एससी / एसटी एवं ओबीसी एशोसियेशन / गोरखपुर - 02 प्रतियों में।
- 6- मुकर्याजी / एमपीपी को वेबसाइट पर अपलोड हेतु - 01 प्रति में।

कृते महाप्रबन्धक / कार्मिक

2/9/2018 (48)

PCPD, PCME



Government of India (Bharat Sarkar)
Ministry of Railways (Rail Mantralaya)
(Railway Board)

05.06.18

04. CPO/NG
HPO/HQ/II

01 JUN 2018

No. E(MPP)2018/3/12

RBE No. 74/2018

New Delhi, Dated 28.05.2018

NER

The General Managers,
All Indian Railways/PUs,
Metro Railway/Kolkata
Railway Electrification/Allahabad
DG/RDSO/Lucknow
CAO/DMW/Patiala
CAO/COFMOW/New Delhi,

The Directors,
IRITM/Lucknow
IRIEEN/Nasik
IRIMEE/Jamapur
IRICEN/Pune
IRISET/Secunderabad
DG/NAIR/Vadodara
ED/CAMTECH/Gwalior

Sub: Revised Training course content and duration of Chemical & Metallurgical Assistants (CMAs) and Senior Chemical & Metallurgical Assistants (SCMAs), who are recruited directly in the Metallurgical & Chemical cadre of Indian Railways.

Ministry of Railways (Railway Board) has reviewed the training course and duration of Chemical & Metallurgical Assistants (CMAs) and Senior Chemical & Metallurgical Assistants (SCMAs), who are recruited directly in the Metallurgical & Chemical cadre of Indian Railways.

2. The duration of training of mandatory courses has been reduced and existing syllabus of SCMA has been shortened. The duration of training period has been reduced from 34 days to 28 days and the Classroom lectures have been compacted from 97 to 74.
3. The Theoretical Topics and Practical demonstration that are proposed to be deleted from existing SCMA Course is enclosed in Annexure-A. The Theoretical topics that are proposed to be merged is enclosed in Annexure-B.
3. The above training course and duration have been scanned and uploaded and can be viewed/downloaded from railnet <http://www.indianrailways.gov.in/railwayboard/view> under E(MPP) Training Circulars.
4. Kindly acknowledge receipt.

(Mahendra Kumar Gupta)
Director/MPP
Railway Board.

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13.6

13/06/18
435
21/06/18
14.6.18
Rajiv

3
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Theoretical Topics that are proposed to be deleted from existing SCMA Course

S. No.	Topic Title	Justification for Deletion
1.	Ultrasonic Testing of Welds	Ultrasonic testing of welds is not in regular practice across IR, hence the topic may not be required for CMA trainees.
2.	Study of WPS (welding procedure specification)	Work related to this topic is handled by Senior Supervisors (CMS) of C&M Cadre in Zonal railways & PUs, hence may not be required for CMA trainees at this stage.
3.	Personality Development	It's difficult to develop personality in one lecture. Deletion proposed based on Trainee feedback.
4.	High Performance coating system at RDSO by RDSO faculty	The topic is now being covered at IRIMEE in Lecture on "Different paints used in IR" (previously was not being covered at IRIMEE).
5.	Different Types of Heat treatment practices taken at DLW	The topic was covered at DLW by Visiting Faculty however the topic may now be covered by IRIMEE faculty.
6.	Class on Ethics	Deletion proposed based on trainee feedback.
7.	Radiography testing of Bogies, sensitivity, IIW standards By Visiting faculty. Lecture taken at IRIMEE	Topic was covered by Visiting Faculty previously. However now theory of this class may be covered in topic named "Non Destructive Testing Techniques" taught by IRIMEE faculty while it is suitably demonstrated at DLW and JMP workshop.
8.	Quality Audit of Stainless Steel Welding at Railway Workshops	Elements of this topic are being covered in another topic named "Quality Issues in Welding". Hence separate lecture may not be required.
9.	Inspection of Wheels	The topic may be covered along with another lecture named "Electric Arc Furnace Operation and Wheel casting".
10.	Fatigue Failure	The topic is being covered in Lecture on "Failure Investigation Techniques & case study" hence separate lecture may not be required.

Practical demonstration that are proposed to be deleted from existing SCMA Course

S. No.	Demonstration Title	Justification for Deletion
1.	Demonstration of Failure Investigation of Railway Components at JMPW /ER	One complete day of demonstration on failure investigation is planned at RDSO/LKO. As RDSO is better equipped to demonstrate various case studies of failure investigation, hence additional visit to JMPW may be curtailed.
2.	Demonstration of different welding processes adopted at JMPW	The welding process demonstration is already being covered during the one week technical visit to DLW. Hence additional demonstration at JMPW may be curtailed.

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Theoretical topics that are proposed to be merged

S. No.	Topics	Justification for merging
1.	Tensile Testing basics. Impact testing (Charpy & Izod).	Both topics may be Merged & taught as one lecture named "Basics of Tensile & Impact Testing".
2.	Crystal Structure of metals. Phase Rule.	Both topics may be Merged & taught as one lecture named "Crystal Structure of Metals and Phase Rule".
3.	Different paints used in IR Emerging Trends in Painting.	Both topics may be Merged & taught as one lecture named "Different Paints used in IR."
4.	Welding and hot cutting in IR. Different Cutting and gauging processes.	Both topics may be Merged & taught as one lecture named "Welding and hot cutting processes in IR".
5.	Welding Defects its causes and control Distortion and its control	As distortion is also one of the welding defects, hence both topics may be Merged & taught as one lecture named "Welding defects, their causes and control".
6.	NFTC, MMC, Nano Composites Performance of Upgraded materials	As NFTC, MMC, Nano composites are types of upgraded materials, hence both topics may be Merged & taught as one lecture named "Introduction to Composites & Upgraded Materials"
7.	Pollution control in Diesel Sheds Case study of Solid Waste management in IR Pollution control measures in Workshops Plastic Waste Management	May be taught as one lecture "Pollution and waste control measures in IR".
8.	Metallography Macro examination process	Metallography and macro-examination are interrelated topics hence may be merged & taught as one lecture named "Metallography".
9.	Communication Skills	May be taught as lecture named "Professional Skills Augmentation" and may include professional drafting.
10.	Quality Fundamentals Basics of ISO 9001, ISO14001	As Clause by Clause explanation of ISO 9001, 14001 may not be required for CMA Trainees both the lectures may be merged as one lecture named "Basics of Different Quality related issues".
11.	Welding of Dissimilar metals Welding of Stainless steel	As too much depth in welding of dissimilar metals & welding of stainless steel may not be useful for trainees initially. Hence for CMA trainees, both the topics may be merged & taught as one lecture named "Welding of Stainless Steel & Dissimilar Metals".

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Technical Demonstrations which are proposed to be merged

S. No.	Topic Name	Reason for merging
1.	Demonstration of different testing of Lube Oil, Fuel & Coolant Water at Diesel Shed/JMP Demonstration on spectroscopic estimation of elements of lube oil & their significance At DLS/MLDT	Facility of oil spectrograph is not available at Diesel Shed Jamalpur. The trainees are taken to DLS /MLDT for practical demonstration & viewing the same. Hence demonstration of testing of Lube Oil, Fuel Oil & Coolant water may also be included with demonstration on Oil spectrograph.
2.	Practical class and demonstration on painting schedule of coaches & wagons C & W Workshop, LLH. Demonstration of different steps in painting of new & old wagons at JMPW.	A one day Technical Visit to Liluah Workshop is already in the course for demonstration of painting of coaches, hence Demonstration of Painting of Wagons can also be covered at Liluah Workshop. Hence may be merged.
3.	Study of code of procedure of different axles at RDSO Demonstration of UT of Axle with code of procedure at JMPW	One full day demonstration of UST is given at RDSO/LKO which is found very effective; more over trainees raised the same point in their feedback. Hence demonstration at JMPW may not be required
4.	Practical class & demonstration on Brass & Bronze analysis at JMPW Practical Class & demonstration on White metal analysis at JMPW	Practice of white metal testing is quite obsolete nowadays due to very limited use of White metal and closure of foundries. Hence the demonstration may be merged with Brass and Bronze analysis and can be covered in single demonstration.