

S.M-5

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Document title: Work Instruction for Rail Grinding Machine Unit			



RESEARCH DESIGN AND STANDARD ORGANISATION
Manak Nagar, Lucknow-226011

TM-WI-7.5.2-7
Work Instruction for Rail Grinding Machine Unit

1.0 Amendment History

S. No.	Date of Amendment	Version	Reasons for amendment
1.	30/07/2018	1.0	First Issue under new documentation system for ISO 9001: 2015.

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DTM-III	EDTM	Printed: 30/07/2018
Prepared By: <i>[Signature]</i>	Issued By: <i>[Signature]</i> 29/8/18	Page 1 of 3

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[Signature]
 SSE/D
 Manak Nagar

2.0 Purpose

To lay down the work instruction for Rail Grinding Machine Unit.

3.0 Scope of Application

This working instruction is applicable for Rail Grinding Machine Unit of Track Machine Directorate, RDSO, Lucknow.

3.1 Directorate Activities

Preparation of GDMS data base for uploading in the Rail grinding machine and planning of deployment of both the rail grinding machines on Indian Railway well in advance after consultation with Zonal railways and Railway Board. Preparation of specification for various type of Rail Grinding Machines i.e. 8 stones, 20 stones, 96 stones RIV & RMM.

3.2 Infrastructure

Two Rail Grinding Machines working on Indian Railways.

3.3 Organization

Rail Grinding Machine unit headed by DTM- III.


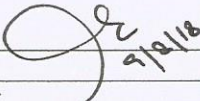
4.0 Procedure/Details

4.1 For GDMS:


- New track section/location, finalize by Railway Board or Zonal Railways demanded for grinding, Track Data required.
- Track data of the sections required in M.S. Execl format, including Section, Sub-section in Km.-Meter format with each and every detail.
- Data scrutiny and placed in 25 column M S Execl desired format.
- New Track location first entered in M S Access data base for location info of the system.
- Track data in M S Execl run with GDMS software.
- If any error showed required to be corrected and again run on software.
- Final GDMS generated by software in M S Access dispatched to concern railway and machine for uploading.

4.2 For Deployment Planning:

- Initially Railway wise section length and corresponding GMT of the section in corporate in planning. High axle and heavy traffic section already approved by committee is to be subjected to grinding.
- Each and every year based on laid down criteria for rail grinding machine Master deployment plan is exercised.
- For preparation of Master plan, well in time letter send to the concern parent railways of the RGM, if they plan any special or schedule maintenances in coming financial year. Same is incorporated in the Master plan at required time slot.
- After approval of the master plan by Track and TMM directorate same are send to Zonal Railways.
- On the basis of Master plan and actual monthly progress of the RGM's monthly deployment plan of the RGM developed.
- Every deployment plan will be distributed to the Zonal railways after approval of Track and TMM directorate of RDSO/Lucknow.

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5.0 Referenced Documents- NIL

6.0 Referenced Documents of External Origin -NIL


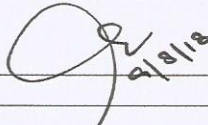
7.0 Associated Records - NIL

8.0 Responsibility and Authority

Activity	Responsible	Approver	Supporting	Consulted	Informed
Creation, maintenance of this document	DTM-III	EDTM	Staff of Rail Grinding Machine	-	All concerned officer through intranet
Compliance of directives	DTM-III	EDTM	Staff of Rail Grinding Machine	-	-
Requirement of deviation from directive	EDTM	DG	DTM-III	MR/ISO Cell	All concerned officer through intranet

9.0 Abbreviations

- JDTM- Joint Director/Track Machine.
- DTM- Director/Track Machine.
- EDTM- Executive Director/Track Machine.
- GDMS- Grind Data Management System.
- GMT- Gross Metric Tonnage
- NRC- National Research Council, Canada
- RIV- Rail Inspection Vehicle
- RMM- Rail Milling Machine

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