

**Government of India  
Ministry of Railways  
Railway Board**

**No. 2010-Track-III/TK/6**

**New Delhi, dated 11-10-10.**

**Principal Chief Engineers,  
All Indian Railways.**

**Sub: Working of Tie Tamping Machines in Design Mode.**

IR have from time to time, being procuring Tie Tamping machines fitted with specialized equipments to facilitate working in design mode. These include:

- i) Laser guidance: Laser Guidance for alignment and correction on straight (tangent) track.
- ii) WIN-ALC automatic guiding computer with facility for pre-tamping measuring run.
- iii) Automatic guiding computer on Russian Tampers (VPR).
- iv) GVA Automatic Guiding Computer

2.0 The CSMs 901-905 commissioned during early 90s were procured with Laser guidance and GVA. All the 09-3X Tamping Express machines and Unimat 4S machines have been procured with WIN-ALC. Four of these 09-3X machines i.e. Machine No.3954 - 3957 have also been procured with Laser guidance. Several of the Worksite Tampers procured since 2003 are also equipped with WIN-ALC or equivalent automatic guiding computer. List of machines so equipped is enclosed for ready reference.

3.0 It is, therefore, imperative that use of these devices available on some of the machines is ensured. The following steps may please be taken in this regard:

- i) Carry out review of the status of functioning and use of the above devices and take necessary steps to get the same repaired wherever out of maintenance.
- ii) A system should be established to get the feedback regarding the use of Laser and Automatic Guiding Computer alongwith daily progress.
- iii) All the machines fitted with above equipments should be inspected by senior officers of TMO to identify steps necessary for ensuring the usage.

- iv) Review the status of awareness and training of operating staff and the P.Way Supervisors/Officers using these machines and organize training for them.
- v) Officers & P.Way Supervisors using these machines should be guided and motivated to spend time in planning the correction values.
- vi) Suitable allowance should be kept for lesser progress due to the time lost in pre-measuring run, shifting of laser trollies, higher slews & lifts etc.

Action taken in this regard may please be apprised for Board's information.

  
(A.K. Lahoti)

Executive Director Track (Machines)  
Railway Board.

DA: As above.

Copy to : Director, IRICEN, Pune for information & necessary action.  
Principal, IRTMTC, Allahabad for information and necessary action.

**Railwaywise List of Tie-Tamping Machines Provided With Laser &  
Automatic Guiding Computer**

Rly.	T-Exp.		CSM		WST		UNI	
	M/C No. (Laser)	M/C No. (ALC)	M/C No. (Laser)	M/C No. (GVA)	M/C No. (ALC)	Under Supply (with ALC)	ALC (4-S)	Under Supply 4-S (ALC)
CR		3963			8064 8110 8124	8119	8402	
ER		3958	905	905	8104	8117	8405	
ECR	3956	3956			8098 8123		8406	
ECOR					8060 8096			
NR		3964	901	901	8107 8120 8125			8711
NCR	3954	3954	902	902	8063 8114 VPR	8127		
NER					8102		8404	
NFR		3965			8111			
NWR					8097 VPR			
SR		3960			8113		8403 8407	
SCR	3957	3957	904	904	8062 8121	8115,8118 8126		
SER	3955	3955	903	903	8100 8108			
SECR		3961			8099	8116		8408
SWR					8106 8112			8409
WR		3962			8105 8109		8401	
WCR		3959			8061 8103 8122			8410