

GOVERNMENT OF INDIA (भारतसरकार)
MINISTRY OF RAILWAYS (रेलमंत्रालय)
RAILWAY BOARD (रेलवेबोर्ड)

No. 2021/TK-II/22/6/1/Meeting

New Delhi, dated 26.08.2021

Principal Chief Engineer
All Zonal Railways

Chief Administrative
Officer(Const.)
All Zonal Railways

Sub: Modification in design & drawing of Wider Sleepers.

Based on recommendations of 10th Extra Ordinary meeting of TSC held on 22.06.2021 Board(MI) has approved revised design and drawing of wider sleeper to **drawing No. RT-8746 to accommodate both 60 kg and 52 kg rails along with respective component drawings and the rail seat assembly drawing No. RT-8754** subject to following conditions:

- I. All the sleeper manufacturers as per contract no CS-172/2018 to be advised to comply with the approved minor change in design/drawing of wider sleepers.
- II. Because of change in Rail Seat of these sleepers, revised drawing of 10mm thick CGRSP (RT-8747) and liners (GFN liners to drawing no RT-8751 for 60 kg rail & RT-8752/8753 for 52 kg rail, Metal liners to drawing no RT-8748 for 60 kg rail & RT-8749/8750 for 52 kg rail) have been approved for use on drawing No. RT 8746 of wider sleepers.
- III. As Railways have already purchased fittings matching with RT-8527, these fittings must be utilized by continuing with production of sleepers till most of the fittings are utilized and some fittings are kept as stock for maintenance needs. The ground stock of wider sleeper as on 31.07.2021 is 22.27 lakh as per details of Annexure-I.
- IV. To ensure (III) above, based on the inventory of fittings available and future maintenance needs of existing wider sleeper track laid, Zonal Railways have to advise a date for starting the sleeper production with revised drawing (RT-8746) and at the same time every Zonal Railway must also procure matching fittings to be used with revised drawings of sleeper (RT-8746) before starting the production and delivery. The start date for switching over to the new design is tentatively proposed as 01.01.2022 based on TSC recommendations, however, based on factual conditions Railways may submit their own assessment and the likely dates to start. Tentatively from 01.01.2022 sleeper production may be started gradually with revised drawing RT-8746. However, to plan the smooth transition every Zonal Railway is also required to do a detailed exercise in enclosed format and advise the date from when they plan the use of sleepers with revised drawing RT -8746. Railways may quickly plan the roll-out of the new designs. Once production of wider sleeper as per revised drawing RT-8746 is started, the changeover should be completed in 3 to 4 months duly changing the sleeper production moulds gradually.

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- V. As the changes are minor in nature, no additional financial repercussion is contemplated and all sleeper manufacturers to be persuaded to implement the changes. However, no extra financial benefit like DP extension, extra payment to any sleeper contractor on the account of the current change in design of sleepers should be considered. If some sleeper contractor is unable to implement the proposed changes due to his own particular and peculiar reasons, then Zonal Railways may agree to continue with production of wider sleepers as per existing design (RT-8527) and may choose to exercise option of sleeper production upto 70% of the contract quantity as per contract conditions.
- VI. RDSO shall develop sleeper drawing for using at special location such as LC gates, bridges, curves etc.
- VII. All RDSO approved/developmental vendors of CGRSP and liners of existing design wider sleeper are considered to be approved/developmental for the modified designs as well. However, gauge and prototype approval shall be ensured before starting supply as per new drawings. RDSO shall ensure that all formalities for existing vendors is completed within 30 days positively, so that Railways can start tendering and procurement of new fittings.
- VIII. As there is only a minor change in drawing of wider sleeper, no separate approval from RDSO will be required for CSPs to start production of wider sleeper as per revised drawing (RT-8746). However, inspecting authorities of Zonal Railways shall ensure production of wider sleepers as per revised drawing RT-8746 after carrying out required changes in the moulds as per the modified drawings.
- IX. Every zonal railway shall plan procurement of their own matching fittings, for at least 8 to 10 months of demand as per the revised wider sleeper RT-8746 and revised track fittings drawings. It is also advised to clearly distinguish the modified wider sleepers from the existing ones by painting their inserts with yellow paint and ensuring clear segregation of these sleepers during use in railways.

Zonal Railways are advised to take action as per above action plan and submit detailed planning as per enclosed format at the earliest.

DA:(i) Format for planning of revised wider sleeper.
(ii) Annexure-I


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Copy to: ED/Track-III/RDSO, ED/QAC/RDSO for information and necessary action.

Format for planning of introduction of revised wider sleeper drawing RT-8746

Purpose of this format:

- 1) To aid Zonal Railways for smooth switch over of production of wider sleeper to revise drawing RT-8746 from existing wider sleeper RT-8527 based on inventory of matching fittings already procured/PO issued for existing wider sleeper RT-8527.
- 2) To avoid wastage of already procured/PO issues matching fittings by adjusting the production target of wider sleeper to existing design RT-8527.
- 3) To ensure clear segregation of wider sleepers of existing design RT-8527 & revised design RT-8746 while using over IR.

Matching Fastening Components:

Existing Wider Sleeper RT-8527

1. GFN Liner RT-6938/6939 for 60 kg rail
2. Metal liners RT-8618/8617
3. 10mm thick CGRSP RT-8528

Revised Wider Sleeper RT-8746

1. GFN liners RT-8751 for 60 kg rail RT-8752/8753 for 52 kg rail
2. Metal liners RT-8748 for 60 kg rail RT-8749/8750 for 52 kg rail
3. 10 mm thick CGRSP RT-8747

Format for planning

1.	2	3.	4.	5.	6.	7	8	9	10	11	12	13	14	15

Column nos:

- 1.No. of wider sleeper to existing drg RT-8527 already laid in track. **(Nos.)**
2. No. of wider sleeper to existing drg RT-8527 already produced and lying in CSPs**(Nos.)**.

Qty. of matching fittings of wider sleeper RT-8527 already procured/PO issued* by Zonal Railways.-

3. Rubber pad (RT-8528) Nos.
4. Metal liners (RT-8618/8617) (Nos.)
5. GFN liners (RT-6938/6939) (Nos.)

6. No. of equivalent wider sleepers RT-8527 after duly deducting the requirement of fittings for future maintenance need of already laid/procured wider sleepers RT-8527 (Nos.)

7. Nos. of wider sleepers RT-8527 decided to be produced by CSPs after joint meeting with CSPs and with tentative start date of 01.01.2022 (Railways shall try to match this with no. at column no.6) (Nos.)

If no. of sleepers at column 7 is more than column 6, additional matching fittings to be procured by Railways for use with Wider sleeper of existing design RT-8527

8. Rubber pad (RT-8528) Nos.

9. Metal liners (RT-8618/8617) (Nos.)

10. GFN liners (RT-6938/6939) (Nos.)

No. of wider sleepers planned to be produced from 01.01.2022 to 31.03.2022

11. As per existing design RT-8527 (Nos.)

12. As per revised design RT-8746 (Nos.)

Qty. of matching fittings planned to be procured by Zonal Railways to revised drg. Of wider sleepers RT-8746

13. Rubber pad RT-8747 (Nos.)

14. Metal liners (RT-8748 for 60 kg rail RT-8749/8750 for 52 kg rail) (Nos.)

15. GFN liners (RT-8751) for 60 kg rail RT-8752/8753 for 52 kg rail (Nos.)

***Railways may plan to reduce the procurement of matching fitting to existing design wider sleeper RT-8527 as per provisions of contracts if the same is required to match with nos. of wider sleepers to existing design RT-8527 decided to be produced after joint meeting with CSPs (at column no.6)**

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Wider sleeper production and dispatch position (As on 31.07.2021)

S.No.	Rly	Order qty. under CS- 172/2018	Wider slepers produced till 31.07.2021	Stock at end of the month of July '21	% of wider sleeper yet to be dispatched
1	CR	2350000	799749	113673	14
2	ER	1450000	460861	61472	13
3	ECR	2330000	1095102	75677	7
4	ECOR	2530000	1241640	222002	18
5	NR	2052200	1127677	120042	11
6	NCR	1410000	686068	97176	14
7	NER	1127999	835916	118166	14
8	NFR	761173	512940	110695	22
9	NWR	950000	875913	269402	31
10	SR	1990000	936572	60846	6
11	SCR	2772000	1466378	222241	15
12	SER	1440000	687839	12150	2
13	SECR	1357222	908941	107661	12
14	SWR	1622501	956486	113486	12
15	WR	2765000	1051028	446936	43
16	WCR	1600000	849722	75713	9
	Total	28508095	14492832	2227338	15