

Additional Special Condition of Contract (Section-J)

The Serviceability criteria for 10mm Composite Grooved Rubber Sole Plates in case of pre-mature failure of the same is as under:-

- 1. Warranty Period:** The warranty period of the 10mm thick CGRSP shall be 300 GMT of service or 8 years from date of supply, whichever is earlier.
- 2. Guarantee and Pooled Performance Guarantee PG:**

A "Pooled PG" in the form of Bank Guarantee (initially valid for 10 years), shall be required to be maintained by the vendors of CGRSP for an amount of Rs.30.00 Lacs for approved vendors & Rs.20.00 Lacs for Developmental vendors on any one of the Railway, who in turn will advise the same to RDSO, Board and other Zonal Railways. As and when, any Zonal Railway encashes the PG of a Firm, the intimation regarding the same shall be given to RDSO, Board and other Zonal Railways, and the concerned Firm will be required to submit a new PG afresh to any of the Zonal Railway within a month, which may have placed P.O. for this item on that Firm. This Railway in turn will advise of the same to RDSO, Board and other Zonal Railways.

3. In Service Serviceability Criteria.

Property to be checked / action	Criteria up to 4 years service life or up to 150 GMT, whichever is earlier	Criteria beyond 4 years/150 GMT and up to 8 years /300 GMT, whichever is earlier.
Visual examination	The sample shall be visually examined for any defects. There should be no significant tears, holes or cuts in the pad affecting the performance of the pad.	
Toe Load of ERC	Difference of Toe load not to be more than 10% of the Toe load obtained with a new rubber pad vis-a-vis the same obtained with the old rubber pad.	Difference of Toe load not to be more than 15% of the Toe load obtained with a new rubber pad vis-a-vis the same obtained with the old rubber pad.

4. Testing Methodoloev-

Following testing methodology shall be followed in case of premature failure:

- (i) A joint team comprising one from Zonal Railways and one from the concerned firm will be formed to take decision for in-service serviceability criteria.
- (ii) Evaluation shall be carried out specifically per 'purchase order/contract' place on the vendors, by Zonal Railways during the currency (Warranty period) of 'Purchase order/Contract' at any of the consignees of the 'purchase order/contract' which shall be selected at random by Zonal Railways.
- (iii) The joint team shall visually examine for damage of pad other than due to compression i.e. due to grease, oil, human & animal excreta etc. before taking final decision in the case. General maintenance, condition of track should also be invariably recorded. In case the firm's representative do not attend despite the vendor having been informed, joint inspection /sample collection would be done ex-party.
- (iv) After passage of 150 GMT or 4 years service life whichever is earlier, 10 nos. of rubber pads randomly selected from each kilometre subjected to maximum of 500 pads where composite pads from a particular lot are laid, shall be taken out and checked for the serviceability by examining visually and loss of toe load vis-a-vis new pad etc., by open line field officials. In case, the stretch length is more than 50 kilometre for a particular lot of supplied CGRSP then the total number of 500 rubber pads shall be equally distributed in the entire stretch, In case, less than 5% rubber pads are found to be unserviceable/ defective as per criteria defined in para

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(iii) above, the firm will be allowed to identify all the unserviceable rubber pads supplied against the particular lot and replace them free of cost within a reasonable time. In such cases, the effort required in the removal and the replacement of rubber pad will be treated as normal maintenance work and will not be charged upon the supplier. Failure of the firm to replace the defective rubber pads within stipulated time will lead to recovery of amount equivalent to the cost of rubber pads, assessed to be defective by way of applying the percentage found defective on the concerned lot.

However, in case, the number of unserviceable rubber pads are found to be more than 5% in any of aforesaid sample size/stretch, double the sample size of rubber pads as stated above will be randomly selected in such kilometre by mutual consent with the supplier and samples there from will be tested for serviceability as per para (iii) above.

These samples will be jointly sealed & sent for testing with details of P.O. No., Lot No., Section, Location, age, GMT etc. In case, more than 5% rubber pads from the samples are found unserviceable in terms of criteria defined in para (iii) above, then the entire concerned lot in the relevant P.O. will stand rejected and cost of such lot plus its replacement cost will be recovered by way of encashing the performance bank guarantee under advice to RDSO. Three such failures in three different POs, either on same Railway or on different Railways or in combination thereof, will result in delisting of the firm by RDSO for 10mm CGRSP.

In case the Firm's representative does not turn up on due date for sample collection/sealing as specified above, the same will be done by Railway ex-party. No further communication from the supplier in this regard will be entertained & the decision of the Railway will be final.

(v) Finger Printing:-

Finger printing of chemical composition:-

(a) Finger printing of the chemical composition of CGRSP shall be done by measuring the values of specific gravity and ash content which shall not vary from initial approved values and specified tolerance duly communicated to the firm at the time of fresh registration so that there will be no major change in composition of Grooved Rubber Sole plate during regular supply & service life of the CGRSP.

1) Specific Gravity- Approved value ± 0.03

Subject to not exceeding 1.27 for compound 'A' and 1.17 for compound 'B'.

2) Ash Content %- Approved value ± 5

Subject to not exceeding 29% for compound 'A' and 20% for compound 'B'.

The manufacturers, if so desire shall be permitted to seek changes in the specific gravity and percent ash content of the approved samples within specified tolerances subject to the maximum limits set forth for these properties in aforesaid para. Any such changes will be permitted after evaluation of fresh samples by RDSO as per extant rules.

In case the initial value of specific gravity and ash content has not been got approved by the firm at the time of submission of offers in the tender, then the participating firm has to fix up, with the approval of RDSO, the initial values of specific gravity and ash content before supplying of material against the P.O.