



सत्यमेव जयते

**GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS**

**ITEM SPECIFIC GUIDELINES FOR  
ASSESSMENT / REASSESSMENT OF FIRMS  
MANUFACTURING SPRING SETTING DEVICE  
TO RDSO DESIGN FOR OVER-RIDING CURVED  
SWITCHES**

**TDG 024  
(Revision '2')**

**(Price: Rs. 300/-)**

**Issued by**

**TRACK DESIGN DIRECTORATE**

**RESEARCH DESIGNS & STANDARDS ORGANISATION  
MANAK NAGAR, LUCKNOW – 226011**

**ITEM SPECIFIC GUIDELINES FOR ASSESSMENT / REASSESSMENT OF FIRMS  
MANUFACTURING SPRING SETTING DEVICE FOR OVER-RIDING (O.R.)  
CURVED SWITCHES ON PSC LAYOUT**

In addition to the "General Guidelines for Vendor Approval" the following shall also be applicable for assessment/re-assessment of firms for manufacturing SSD.

- (i) Lists shall be prepared for SSD for O.R. curved switches (10125 mm & 6400 mm) common for 52 / 60 Kg rail section for 115 mm throw for PSC Sleeper layouts.
- (ii) For the purpose of assessment, the firm shall be required to lay one set of each SSD at 10125mm and 6400 mm curved switch BG 60 / 52 Kg rail sections as the case may be. Inspection of SSD shall be carried out and the switch parameters including length of stretcher bars shall be checked which should be within permissible limits of tolerances.
- (iii) The switch shall be operated manually or by Point Machine many times for checking track parameters, as specified in the design parameters till required track parameters are achieved. The clearance at open side of tongue rail at Junction of Head (JOH) should be as per specification.
- (iv) During reassessment, the firm shall be required to offer each sample set of 10125 mm and 6400 mm BG 60 Kg / 52 Kg SSD.
- (v) The sample set shall be offered on 10125mm / 6400 mm switch laid at proper gauge and alignment on suitable arrangement as per PSC layout.
- (vi) All parameters shall be checked and recorded. The matching of stock and tongue rail must be from toe to JOH within 0.5 mm.
- (vii) It shall be the responsibility of the firm to arrange switches for laying of SSD for assessment / reassessment purposes.

**PROFORMA FOR CAPABILITY / CAPACITY ASSESSMENT OF FIRMS FOR  
MANUFACTURE OF SPRING SETTING DEVICE**

(TO BE PREPARED IN DUPLICATE)

**A. SECTION-1: GENERAL INFORMATION**

1. Name of the firm :
  
2. Postal address :  
Head Office :  
Works :
  
3. Telephone No. (with STD Code) :  
Head office :  
Works :
  
4. Telegraphic address Telex & Fax :  
Head office :  
Works :
  
5. Description of works :  
Total land area (in Sq meters)  
Total covered area (in Sq meters)  
A fully dimensioned plan of the works showing  
covered area and different shops shall be enclosed
  
6. Number of personnel employed (category-wise)  
Managerial  
Supervisory  
(Enclose list of Managers / Technical Supervisors)
  
7. **Hours of working**
  
8. **Weekly off days**

9. State whether the firm is already in approved List with RDSO for supply of Spring Setting Device. If so, please give details of last approval.

9.1 Letter date and issued by

9.2 Date of expiry of validity of approval

10. Details of orders executed in past for Spring Setting Device made to Zonal Railways.

**B. SECTION II : TECHNICAL INFORMATION**

11. The firm must possess capability / capacity to manufacture IRS design of switches and shall be in approved list of supplies of switches (1:12 and 1:8.5 both). The firm must possess all physical and chemical testing facilities for M.S components and helical spring both.

12 Date of expiry of validity of approval of switches (1:12 & 1:8.5)

**13. QUALITY ASSURANCE**

13.1 Details of manufacturing process

13.2 Enclose copy of QAP

13.3 Enclose copy of ISO-9000 of the firm for switches and crossings.

14. Whether one sample set of both type of SSD of O.R. Curved switch (10125mm & 6400mm Curved switches B.G. 60/52 Kg.) is ready for inspection, duly laid on relevant type of switches.

**C. SECTION -III: DECLARATION**

I do hereby certify that the above particulars are correct and no discrepancy shall be found at the time of carrying out actual investigation / assessment.

Signature of manufacturer

Office Seal

Place :

Date :

**PROFORMA OF MINIMUM MACHINERY AND PLANT REQUIRED FOR  
MANUFACTURE OF SPRING SETTING DEVICE (SSD) FOR O.R. CURVED  
SWITCHES**

The firm must possess all minimum machinery and facilities to manufacture IRS 10125 mm and 6400 mm BG 60 / 52 Kg switches for PSC Sleepers and shall be in approved list of suppliers of switches. The firm must have physical and chemical testing facilities for M.S. Components, Nuts & Bolts and Helical Springs.