

No. RW/NH-34059/1/2004-S&amp;R (B) Pt-II (6)

Dated, the 28<sup>th</sup> March 2007

To

The Chairman, National Highway Authority of India; The Director General (Border Roads); All Chief Engineers of States/UTs/PWDs (dealing with National Highways and other Centrally sponsored schemes)

**Subject :** Empanelment of suppliers/manufacturers of expansion joints—Approval for Local Manufacturing of the Single Strip Seal Expansion Joints in their Own Brand Name 'Sanfield'.

**Ref:** (i) This Ministry's letter No. RW/NH-34059/1/96-S&R dated 30.11.2000 its corrigendum dated 25.1.2001.  
(ii) This Ministry's letter No. RW/NH-34059/1/96-S&R dated 20.2.2001.  
(iii) This Ministry's letter No. RW/NH-34059/2/2001-S&R(B) dated 3.2.2003

Ministry has empanelled M/s Sanfield (India) Ltd., Bhopal vide letter reference (ii) above for supply of expansion joints in collaboration with their foreign principal M/s Watson Bowman Acme, USA. Subsequently, Ministry vide its letter under reference (iii) above permitted M/s Sanfield (India) Ltd., Bhopal for local manufacturing of the edge beam for single strip seal expansion joints {having the similar sectional profile as indicated in page 4/7 of Annex-1 of Ministry's letter under reference (ii)} upto 31st January 2005. This permission for the local manufacture of the aforementioned edge beam has been further extended upto 31st October 2007, under the license of their foreign principal M/s Watson Bowman Acme, USA, vide Ministry's letter No. RW/NH-34059/1/2003-S&R(B) dated 18.10.05.

1.1 Now, M/s Sanfield (India) Ltd., Bhopal has requested for manufacturing of whole of the single strip seal expansion joint system in their own brand name 'Sanfield'.

1.2 The aforementioned request of M/s Sanfield (India) Ltd., Bhopal is being approved subject to following conditions:

- (a) The sectional profile of the existing edge beam shall be as indicated in Annex-I of this letter. Some of the details of this 'Sanfield' brand section are as follows: height of the section is 82 mm, width of flange is 70 mm, thickness of flange is 10 mm, thickness of web is 10 mm, and thickness of lip is 6 mm.
- (b) The finished joints including anchorage as well as rubber seal shall conform to the specifications given in the Ministry's RIS issued vide letters under reference (i) above. The rubber seal shall satisfy all the properties as mentioned for strip seal element in Table-2 of Ministry's RIS.

1.3 The firm shall import the neoprene seal from M/s Kossan Rubbers Industries, BHD, Malaysia. The firm shall maintain proper record for procurement and supply of sealing element and shall produce the same to the clients on their demand for verification.

1.4 The firm shall obtain quality assurance certification for the single strip seal joints from M/s Kossan Rubbers Industries, BHD, Malaysia, twice in a year and submit the same to the Ministry. These certificates shall be made available to the client on their demand for the same.

1.5 The firm shall conduct all the tests as specified in the relevant clauses of RIS. In addition to that, following tests shall also be carried out by the firm:-

- (a) Debris expulsion test
- (b) Dye powder penetration test for all critical welds.
- (c) Random checking of paint film thickness by elachometer.
- (d) Dimensional check of the finished joints as per approved drawing.

1.6 Standard procedure of sampling shall be adopted for all the above tests. The client before procurement/

installation may ensure and satisfy themselves that the firm has conducted all the tests on expansion joints as specified above and the joints fulfill the acceptance criteria as per para 6 on page 11 of the RIS.

1.7 While arranging the supply of these 'sanfield' brand single strip seal expansion joints with locally manufactured edge beams, a warranty of trouble free performance for atleast ten years should be obtained from M/s Sanfield (India) Ltd., Bhopal. The joint showing any defects during this period shall be got repaired/replaced by M/s Sanfield (India) Ltd., Bhopal at their own cost, failing which, they may be debarred from the list of the empanelled suppliers.

1.8 M/s Sanfield (India) Ltd., Bhopal shall maintain record of all these 'Sanfield' brand single strip seal expansion joints with locally manufactured edge beams. Besides the firm shall get their joints tested once in a year for all the tests including dynamic test through an Independent body like CRRI, IITs or similar organizations or laboratory accredited by NABL. An annual report in this regard containing the installation and performance of the joints shall be submitted to the Ministry in the month of January for the every preceding year.

2. This approval shall be valid up to 31.3.2009. For further renewal, the firm may apply along with the submission of following documents three months prior to the expiry date of this approval for local manufacturing:

- (i) Test report for the material being used for edge beam from a laboratory having accreditation from National Accreditation Board for Testing and Calibration Laboratories (NABL) or a CSIR/ISO recognized laboratory, satisfying the requirements as per Ministry's/IRC Specifications.
- (ii) Test report for rubber seal from NABL laboratory or a CSIR/ISO recognised laboratory satisfying the requirements as per Ministry's/IRC Specifications.
- (iii) Details of joints supplied with locally manufactured edge beam their performance report.

3. This letter supersedes the Ministry's letter No. RW/NH-34059/1/2003-S&R(B) dated 18.10.05 all other previous letters in respect of matters concerning the manufacture/supply of single strip seal expansion joints by M/s Sanfield (India) Ltd., Bhopal.

4. The Ministry reserves the right to revoke the permission at any time, in case of any deficiency due to non adherence of the specifications given in the RIS, as well as Ministry's circulars/guidelines issued from time to time. This stands applicable also, in case, if any defect in the performance/quality of the joints is noticed.

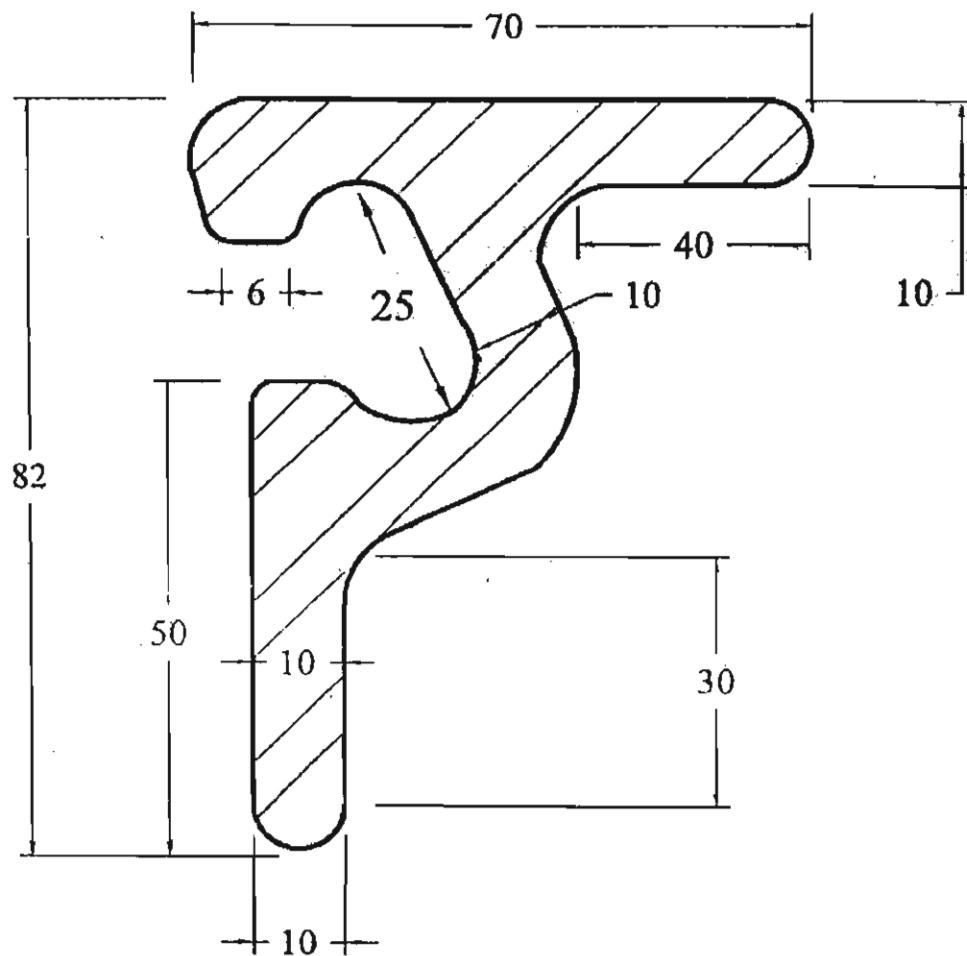
5. The contents of the circular may please be brought to the notice of all the officers in your department concerned with bridges on National Highways and other centrally sponsored schemes.

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(Enclosure to Ministry of Shipping, Road Transport & Highways, (Department of Road Transport & Highways),  
letter No. RW/NH-34059/1/2004-SLR(B) Pt II (6) dated 28.3.2007)

**All Dimensions in mm**



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