

GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT & HIGHWAYS

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324, Transport Bhawan,
1 Parliament Street,
New Delhi 110 001.

No RW/NH/34059/2/2001/S&R(B).

Date 03.02.03

To

1. All Chief Engineers of States / UTs / PWDs (dealing with National Highways and other Centrally financed schemes).
2. The Director General (Border Roads), Seema Sadak Bhawan, Ring Road, Delhi Cantt., New Delhi.
3. The Chairman, National Highway Authority of India, G-5&6, Sector 10, Dwarka, New Delhi – 110 045.
4. The Engineer-in-Chief, Municipal Corporation of Delhi, Town Hall, Delhi.

Sub:- EMPANELMENT OF SUPPLIERS FOR EXPANSION JOINTS .

Ref. : Ministry's letter Nos. RW/NH-34059/1/96-S&R dated 30.11.2000, 25.01.01 & 20.02.01 & RW/NH-34059/2/2001/S&R(B) dated 14.12.01

Sir,

In continuation of the Ministry's letters cited above on the above subject, the application of the following vendors for supply of the expansion joints have also been approved in addition to the firms already empanelled.

Sl. No.	Name and address of Indian Supplier	Name of foreign manufacturer/ collaborators	Type of expansion joint	Details of items to be imported from foreign manufacturer / collaborator	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1	Choksey Chemicals Pvt. Ltd., 111, Industrial Area, Sion, Mumbai – 400 022	D.S.Brown Company, 300 E, Cherry-Street, North Baltimore, Ohio 45872, USA	Compression seal	Delastic Seal	

2	Archana Structural Engineering (India) Pvt. Ltd., E-2/145, Arera Colony, Bhopal – 462 016	PROCEQ SA Riesbachstrasse 57, Postfach 936, CH – 8034, Zurich/ Switzerland	Compression seal	Tensa Acme profile of compression seal	Width of pocket shall be at least 300 mm on either side of the joint instead of 250 mm proposed by the firm.
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2. All other specifications/conditions as brought out in the Ministry's letter No. RW/NH-34059/1/96-S&R dated 30.11.2000, 25.01.01, 20.02.01 & RW/NH-34059/2/2001/S&R(B) dated 14.12.01 will remain the same.

3. It is requested that the contents of this circular be brought to the notice of all officers in your department concerned with bridges on National Highways and other Centrally sponsored schemes.

Government of India
Ministry of Road Transport & Highways

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Transport Bhawan,
1, Parliament Street,
New Delhi – 110 001.

No. RW/NH-34059/2/2001/S&R(B)

Dated: 14.12.01

To

1. The Chief Engineers of States/UT PWDs
(Dealing with National Highways and other Centrally Financed Schemes.)
2. The Director General (Border Roads),
Kashmir House, New Delhi.
3. The Chairman, NHAI, New Delhi.

Sub:- EMPANELMENT OF SUPPLIERS FOR EXPANSION JOINTS .

Ref. : Ministry's letter No. RW/NH-34059/1/96-S&R dated 20th February 2001

Sir,

In continuation of the Ministry's letter cited above on the above subject, the application of the following vendors for supply of the expansion joints have also been approved in addition to the firms already empanelled.

Sl. No.	Name and address of Indian Supplier	Name of foreign manufacturer/ collaborators	Type of expansion joint	Details of items to be imported from foreign manufacturer / collaborator	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1	Z-Tech (India) Pvt. Ltd., J-1867, C.R.Park, New Delhi – 110 019	Z-Tech. Inc., 370, Lajeunesse, St. Jerome Quebec) Canada – J7Y4E6	(a) Single Strip Seal (b) Modular strip seal	Edge Beam and Strip Seal All items	For details of section see Annex (Page 1) For details of section see Annex (Page 2)
2	Choksey Chemicals Pvt. Ltd., 111, Industrial Area, Sion, Mumbai – 400 022	D.S.Brown Company, 300 E, Cherry-Street, North Baltimore, Ohio 45872, USA	(a) Single Strip Seal	*Edge Beam and Strip Seal	The maximum width of the gap at the road level shall be limited to 75 mm. For details of section see Annex (Page 3)

			(b) Asphaltic plug	Binder	Joint must be placed to a minimum depth of 75 mm.
3	Archana Structural Engineering (India) Pvt. Ltd., E-2/145, Arera Colony, Bhopal – 462 016	PROCEQ SA Riesbachstrasse 57, Postfach 936, CH – 8034, Zurich/ Switzerland	(a) Single Strip Seal (b) Modular strip seal	Edge Beam and Strip Seal All items	For details of section see Annex (Page 4) For details of sections see Annex (Page 5)

***Note :** The joints shall be installed under supervision of Principal Company i.e. D.S.Brown company until it is certified by D.S.Brown that Choksey Chemicals Pvt. Ltd. has obtained requisite experience in installation of the joints.

2. All other specifications/conditions as brought out in the Ministry's letter No. RW/NH-34059/1/96-S&R dated 20.02.01 will remain the same.

3. Ministry has received some representations that though some joints have been permitted for higher movement as per Ministry's Revised Interim Specifications, however, some users go strictly as per language of the specification and do not allow them to be used for lower movement. In this regard, it is clarified that if a joint is permitted for higher movement, it is obviously suitable for lower movement also. For example, it is clarified that single strip seal joint can be used wherever elastomeric slab seal joint is permitted to be used.

4. It is requested that the contents of this circular be brought to the notice of all officers in your department concerned with bridges on National Highways and other Centrally sponsored schemes.

Yours faithfully,

(R.S.Ninan)
Superintending Engineer
Standards & Research (Bridges)
for Director General (Road Development)
& Additional Secretary

Copy with enclosures to the respective firms which have been empanelled. **Firms are required to submit the test certificates for the single strip seal and modular joints within six months failing which their empanelment will stand cancelled. .**

Copy to

1. PPS to Secretary RT&H
2. TS to DG(RD)&AS
3. All technical officers in the Ministry
4. All Ros/ELOs
5. Secretary, IRC
6. Director , NITHE

To

1. The Chief Engineers of States/UT PWDs
(Dealing with National Highways and other Centrally Financed Schemes.)
2. The Director General (Border Roads),
Kashmir House, New Delhi.
3. The Chairman,
National Highway Authority of India,
1, Eastern Avenue, Maharani Bagh, New Delhi.
4. The Engineer-in-Chief,
Municipal Corporation of Delhi, Town Hall, Delhi.

Sub:- EMPANELMENT OF SUPPLIERS FOR EXPANSION JOINTS .

Sir,

The Revised Interim Specifications for expansion joints for National Highway and other centrally sponsored bridge projects have been recently issued vide this Ministry's letter of even No dated 30th November 2000 and 25th January 2001. The applications of the various Indian vendors for supply of the expansion joints have been considered in the light of the Revised Interim Specifications and a list of empanelled suppliers conforming to these specifications is enclosed at Appendix – A. The following points may please be noted in this connection for necessary action.

1.1 Procurement:

- (a) Supply of expansion joints may be obtained on the basis of competitive bidding from amongst the firms mentioned therein, subject to their satisfying the requirements of the Revised Interim Specifications for expansion joints.
- (b) Components of the expansion joints mentioned in column 5 of Appendix–A shall be procured from the foreign collaborators listed in column 3 of Appendix – A.

1.2. **Type, profile and dimensions:**

- (a) Details of type, profile and major dimensions of edge beams and central beams of Strip Seal Joints and Modular Strip/Box Seal Joints shall conform to those indicated in the sketches enclosed as Annex-I of Appendix –A. Edge beam and central beam of singular / modular expansion joints shall be imported in full section from the foreign manufacturer and local welding of the parts of the section brought to India in knocked down condition shall not be allowed for fabricating the edge beam / central beam sections.
- (b) Special type of modular expansion joint should be provided for bridges having wide decks and large span length involving complex movements / rotations in different directions / planes, with prior approval of the Ministry as mentioned in Sl. No. 8 of Annex – I attached to the Revised Interim Specifications.
- (c) In case of bridges located in seismic zone IV & V, modular joints which have been successfully tested for dynamic / fatigue resistance under simulated seismic conditions should only be allowed to be used.

1.3 With reference to paras 1.1 (b) and 1.2 (a) above, it may be specifically noted that manufacturing facilities, if any, set up in India by the Indian firms in collaboration with their foreign principals would be separately inspected and approved by the Ministry for procurement in accordance with the Revised Interim Specifications referred to above.

1.4. While arranging supply of expansion joints, a warranty of trouble-free performance for at least ten years and free rectification of defects/replacement, if required during this period may be insisted upon from the contractor/suppliers for all types of joints except for Buried joints, Filler joints and Asphaltic Plug joints.

1.5 The performance of the expansion joints shall be observed regularly by the client particularly during the warranty period. The joints showing any defect during this period shall be got repaired / replaced by the respective firms at their own cost failing which the particular supplier may be debarred from supplying their expansion joint system for National Highway works.

- 2. It is requested that the contents of this circular be brought to the notice of all officers in your department concerned with bridges on National Highways and other Centrally sponsored schemes. The receipt of this letter may please be acknowledged.

APPENDIX-A

LIST OF EMPANELLED INDIAN SUPPLIERS OF DIFFERENT TYPES OF EXPANSION JOINTS FOR HIGHWAY BRIDGES.

Sl. No.	Name and Address of Indian Supplier	Name of Foreign Manufacturers /Collaborators.	Type of Expansion joints.	Details of items to be imported from foreign manufacturer/collaborator.	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
1.	J.Sons Engineering Corporation Ltd. J.Sons House, Garh Road, Meerut-250002	i) Maurer Sohne P.O. Box – 440145 D-8000 Munchen – 44 Germany ii) E-Poxy Industries Inc. 14, West Shore Street/Ravena, New York-12143 USA	a) Single Strip Seal	Edge Beam & Strip Seal All items	For detail of sections see Annex. I (Page 1&2)
			b)Modular Strip Seal		
			Compression Seal (Closed Cell Foam Seal)	Joint Seal & Adhesive-cum-lubricant	
2.	Metal Engineering & Treatment Co.Pvt. Ltd. , 42-B, Motilal Basak Gardens, Caluctta700012	Mageba Sa Solistrasse 68, CH-8189 Baluch, Switzerland	a)Single Strip Seal	Edge Beam & Strip Seal All items	For details of sections see Annex I (Page)
			b) Modular Strip Seal		
			c)Asphaltic Plug	Binder	
3.	Sanfield(India) Pvt.Ltd 67-Zone-II, Maharana Pratap Nagar, Bhopal-161011	Watson Bowman Acme Manufacturing And Order Processing, 95, Pinview Drive Ambrest, New York, USA-14228	a) Single strip seal	Edge Beam & Strip Seal All items	For details of sections see Annex I (Page &5)
			b) Modular Strip/Box seal		
			c) Compression Seal (Chloroprene Seal)	Joint Seal & Adhesive-cum-lubricant Binder.	
			d) Asphaltic Plug.		

4.	Asphalt Construction (I) Pvt.Ltd., 1st Floor, Sonawala Building, 59 Bombay Samachar Marg, Fort Mumbai-400024	Prismo Limited West Sussex, United Kingdom	Asphaltic Plug	Binder	
5.	Choksey Chemicals Ltd., 111,Industrial area, Sion, Mumbai-400020	The D S Brown Company, 300 E , Cherry Street, North Baltimore Ohio 45872; USA	Modular Strip Seal	All items	For of section see Annex (Page *see
6.	Z-Tech (India)Pvt.Ltd J-1867 C.R.Park, New Delhi-110019	Z-Tech.Inc., 370,Lajeunesse St.Jerome (Quebec) Canada -J7Y4E6	a) Single Strip Seal b)Modular Strip Seal	Edge Beam & Strip Seal All items	For detail of sections see Annex I (Page)
			c)Compression Seal (Chloroprene Seal) d)Asphaltic Plug	Joint Seal & Adhesive-cum-lubricant Binder	

***Note:** The joints shall be installed under supervision of Principal Company ie. D S Brown company until it is certified by D S Brown company that Choksey Chemicals Pvt Ltd has obtained requisite experience in installation of the joints.