

**GOVERNMENT OF INDIA**  
**MINISTRY OF ROAD TRANSPORT & HIGHWAYS**

Transport Bhawan,  
 1, Parliament Street  
 New Delhi - 110001  
 Telefax : +911123310950  
 Dated : 21<sup>st</sup> June 2012

No.RW/NH- 34054/2/2011- S&R(B)

To

1. The Chairman, National Highways Authority of India, G-5 & G-6, Sector -10, Dwarka, New Delhi - 110 045
2. The Director General (Works), Central Public Works Department, Nirman Bhawan, New Delhi - 110 001
3. The Director General (Border Roads), Seema Sadak Bhawan, Ring Road, Delhi Cantt. New Delhi-110 010
4. All Chief Engineers of States/Union Territories/Public Works Department/Road Construction Department/Highways Departments (dealing with National Highways and other Centrally sponsored schemes)

**Subject:** Empanelment of manufacturing firms of bearings for bridges on National Highways and other centrally sponsored schemes-Additional list reg.

Madam/Sir,

Ministry vide letter No.RW/NH-34057/1/2002-S&R(B) dated 22<sup>nd</sup> June 2010 has issued list of empanelled firms as manufactures of bridge bearings for a period of three years having validity upto 31<sup>st</sup> June 2013 or until further order of the Ministry whichever is earlier.

2. Subsequently, in order to expand the list of empanelled firm, applications for empanelment of manufacturing firms of bearing for bridges were invited through an advertisement in this Ministry's website and leading newspaper of the country in June 2011.

3. Inspections of manufacturing units and verification of the details of various testing equipments furnished by the applicants have been carried out by this Ministry. The inspection reports and verified information was put up before a Committee constituted for empanelment of manufacturers/suppliers of bridge bearings. With the approval of this Committee, empanelment of the following Manufacturers of firms/suppliers of bearings for bridges on National Highways and other roads under centrally sponsored schemes have been done. The details of number of firms are as under :-

- (i) For Elastomeric bearings: One firm as per the details given vide Annexure-I
- (ii) For Pot/Pot-cum-PTFE bearings, Guide and Pin Bearings: Three firms as per the details given vide Annexure -II

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Office of the  
 Superintending Engineer (C)  
 Ministry of Road Transport  
 & Highways, Kolkata  
 Diary No. G.23  
 Date 21.7.12

(iii) For Steel (Rocker, Roller & Rocker Cum Roller) Bearing: One firm as per the details vide Annex-III.

4. The empanelment is subject to the following conditions, to be strictly adhered to/followed by the empanelled firms as well as the departments/Agencies (user Agencies) procuring the bearings :-

**4.1 General**

4.1.1 The empanelled firms are required to keep proper record of all documents pertaining to be procurement of raw materials, such as steel, cast/forged steel, PTFE, Neoprene etc.

4.1.2 The empanelled firms shall promptly intimate to the Ministry of any supply made by them to any User Agency indicating type and number of the bearings, location of the bridge whether new construction or rehabilitation/repair of existing bridge, name of User Agency etc.

4.1.3 The empanelled firms are required to have in-house capacity for designing the bearings based on forces, movements and rotation etc. supplied by the clients.

4.1.4 The Engineer-in-charge of the Executive agencies: State/UT FWDs, NHAI, BRO etc, who are concerned with the acceptance of the bearings, shall ensure that all the test for the materials and finished bearings (randomly selected as per prescribed procedure) are carried out in their presence through an independent reputed testing laboratory.

4.1.5 Strict enforcement of the codal stipulations regarding the process and acceptance control tests as per IRC -83 (Part-I& Part-II) and Ministry's specification for Road and Bridge works shall be ensured by the empanelled firms as well as the User Agencies while accepting the supply of bearings. To achieve this objective, the user agencies should ensure that the Engineer-in-charge concerned with the task of acceptance of bearings is adequately trained so as to make him fully conversant with the relevant IRC codes and specifications.

**4.2 Elastomeric Bearings**

4.2.1 Neoprenet WTT, Bayprene 110, Skyprene B-5 and Denka S-40 V grade are to be used as raw elastomer for the manufacture of the elastomeric bearings and no other chloroprene should be accepted as equivalent of neoprene WRT.

4.2.2 The empanelment firms for elastomeric bearings shall either import chloroprene directly, or will purchase the material from an authorized agent of the foreign manufacturer. A proper record of the quantity of the material imported/purchased as well as the details regarding the bearings manufactured, year wise shall be maintained by the empanelled firm and on demand, the record will be made available to the user agency(ies) for inspection. The client concerned with the acceptance of elastomeric bearings will demand the above record along with supporting documents from the empanelled firm chosen for supply, so to ensure that only imported chloroprene has been used as raw elastomer in the manufacture of the elastomeric bearings.

4.2.3 Notwithstanding the provision of clause 918.3.2 of IRC 83 (part-II) , it is hereby specified that for every lot of less than 24 bearings, an extra bearing shall be



manufactured and out of the lot, one bearings will be selected at random for carrying out material tests. This bearing shall be excluded from the accepted lot for the purpose of payment.

- 4.2.4 Polymer identification test as per clause 915, 1.5 of IRC 83 (Part-II)-1987 is mandatory. The manufacturer shall get the test done through a recognized laboratory having the facility of infrared Spectrophotometry and the spectra shall be comparable to a reference sample of polychloroprene. The test shall be carried out on the core of the elastomeric bearings i.e, on the material to be obtained by removing the three layers.
- 4.2.5 The periodical test for ozone resistance of the elastomer shall be got done by the manufacturer in accordance with clause 915.2.3 of the code IRC 83 (Part-II). A record of test results for the bearings (for both in house and that of outside agencies) shall be systematically maintained by the Manufacturer and it shall be produced to the accepting authority, on demand.
- 4.2.6 The following undertaking shall be taken from Manufacturer of Elastomeric and Pot/pot-cum PTFE bearing
- (a) "We undertake to use -----(Name of Chloroprene) in the manufacturing of the..... (type of bearing) bearings and the same shall be imported by us directly from ----- (name of Manufacturer)/purchased from ----- (Name of Agent) who is the authorized Indian agent of M/s----(Name of the Manufacturer)
  - (b) "We hereby guarantee against defective materials workmanship as well as certify quality assurance at every step of manufacturing of bearings. Elastomeric bearings that may be supplied by us as per this office and which shall be installed at the -----(Name of the Bridge) shall have life of 15 years under normal loading, normal traffic and routine maintenance . We also stand guarantee for free repair and replacement (including the cost of placing the new bearings in position) in part or full, if any, defect is found, in the bearings or part thereof within the period 36 months from the date of supply or 24 months from the date of installation whichever is earlier, except for defects arising out of theft pilferage, floods, earthquake or any other natural calamity etc, over which we have no control, shall be replaced free of cost.
  - (c) "We also give an undertaking that the entire manufacturing and testing process shall be open to inspection for the client or their authorized representatives and that all possible help shall be extended in conducting the relevant tests required as per IRC 83 (Part-II) 1987 and other instructions issued by Ministry of Road Transport & Highways from time to time."
5. A report on the performance of bearings supplied (particularly with reference to any adverse behavior like bulging, flattening, splitting etc. for the neoprene bearings) may be maintained and sent to the Ministry from time to time, and a consolidated yearly report to be furnished by 30<sup>th</sup> April every year.
6. This empanelment of manufacturing firms/authorized suppliers of bearings for bridges on National Highways and other centrally sponsored schemes will be valid for 3 years from the date of issue of this letter or until further order of the Ministry whichever is earlier.



7. The contents of this letter may be brought to the notice of all the officers of your Department dealing with bridge works on National Highways and other Centrally sponsored schemes.

Yours faithfully



(A.P. Pathak)

Chief Engineer(B)S&R

For Director General (RD)&SS

**Enclosure:** Annex-I,II,III

Copy to :

1. Concerned firms
2. All Technical Officers of the Ministry
- 3 All ROs and ELOs
4. Secretary, IRC, New Delhi- With request to publish in Indian Highways, Journal
5. Director, IAHE, Noida
6. Sr.PPS to Secretary (MoRT&H)
7. PPS to DG(RD)&SS,
8. NIC – With request to upload on web page of the Ministry

**ANNEXURE -I****List of firms empanelled as manufacturing firms of Elastomeric bearings for Bridges on National Highways and other Centrally Sponsored Schemes**

Sl No.	Name of the Firm	Office Address and Telephone Number
1	M/s Escorts Ltd. Faridabad & Trelliborg Ridderkerk BV Netherlands	Escorts Limited (Railway Equipment Division), SCO 232, First Floor, Sector- 20 , Panchkula, PIN-134109 Ph:0129-2576390

**ANNEXURE -II****List of firms empanelled as manufacturing firms of Pot/Pot-cum-PTFE bearings, Guide and Pin Bearings for Bridges on National Highways and other Centrally Sponsored Schemes**

Sl No.	Name of the Firm	Office Address and Telephone Number
1	M/S Ameenji Rubber Pvt Ltd, Hyderabad	M/s. Ameenji Rubber Pvt Ltd., F-44, S.A. Trade Centre, Ranijung, Secunderabad-500003 Ph:040-66322144
2	M/S Deevin Seimic Systems Pvt. LTD.Bhopal	Deevin Seismic Systems Pvt. Ltd, E- 4/249, Arera Colony, Bhopal-462016 Ph:0755-4058286
3	M/s Escorts Ltd. Faridabad & Trelliborg Ridderkerk BV Netherlands	Escorts Limited (Railway Equipment Division), SCO 232, First Floor, Sector- 20 , Panchkula, PIN-134109 Ph:0129-2576390

**ANNEXURE -III****List of firms empanelled as manufacturing firms of Steel (Rocker, Roller & Rocker cum Roller) Bearing for Bridges on National Highways and other Centrally Sponsored Schemes**

Sl No.	Name of the Firm	Office Address And Telephone Number
1	M/S Deevin Seimic Systems Pvt. LTD.Bhopal	Deevin Seismic Systems Pvt. Ltd, E- 4/249, Arera Colony, Bhopal-462016 Ph:0755-4058286

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