



सत्यमेव जयते

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Date: 18.06.2021

No. EL/2.2.13

1. M/s SKF India Ltd, 611-617, 6th Floor, Bestech Chambers, B Block, Sushantlok Phase-1, Gurgaon-122002 (Haryana).
2. M/s Schaeffler India Limited, Maneja, Vadodara-390013.
3. M/s National Engineering Industries Ltd., Khatipura Road, Jaipur -302006
4. M/s NSK Limited, 202, 2nd floor, A Block, IRIS Tech Park, Sector-48, Gurgaon-122 018 (Haryana)

Sub.: Minutes of Meeting conducted by RDSO on 11.06.2021 through video conference on development of sources of bearings used in WAP5 locomotives.

Ref: RDSO's letter no. EL/2.2.13 dated 08.06.2021

Minutes of Meeting held on 11.06.2021 through video conference with bearing manufacturers to increase the vendor base for bearings used in WAP5 locomotives is enclosed herewith for your information & necessary action please.


(Anurag Agarwal)

for Director General /Electrical

Encl: Minutes of Meeting

Copy to:

DSE/ Mech.- for your information please

Minutes of Meeting held on 11.06.2021 through video conference with Bearing Manufacturers to increase the vendor base for bearings used in WAP5 locomotives.

Ref.: RDSO's letter no. EL/2.2.13 dated 08.06.2021

Members Present (Shri):

- | | |
|------------------------|--|
| RDSO | <ul style="list-style-type: none">• Anurag Agarwal, DSE/TM• Rajesh Kumar, DDSE/TM• L.C. Mahawar, SSE/D |
| M/s SKF: | <ul style="list-style-type: none">• Sangeet Jain, Dy. GM, Application Engineering.• Sumeet Gandhi, Dy. Manager, Application Engineering-Railways |
| M/s Schaeffler: | <ul style="list-style-type: none">• Mayank Singh, Head Sales• Narendra Bhagwanani, GM• Santosh Lele, Sr. Manager-Railway• Sandeep Lal, Manager |
| M/s NEI: | <ul style="list-style-type: none">• Shivdutt Sharma, AGM (R&D) |
| M/s NSK: | <ul style="list-style-type: none">• Vinit Mangrulkar, VP Industrial• E.Prabhu, Application Engineer• Sukumar Paluru, Indian Technical Centre• Vinod Thakur, Manager |

1. A Meeting was conducted through Video Conference on 11.06.2021 with all the bearing manufacturers for expanding the vendor base of Bearings used in WAP5.
2. Director Standards /Traction motor stated that approved sources for traction motor bearing/ axle box bearing/ Main Gear bearing for Aluminum Gear case for WAP5 locomotives are two less and all the sources are imported. All the bearing manufacturers were requested to develop these bearing indigenously so that dependency on imported sources can be minimized.
3. It was informed that RDSO has published EOI for above bearings many times in the past. Recent, EOI has been published on 10.07.2020. No one has responded against these EOIs.
4. Firms were also informed that current process of vendor registration is very transparent and fast. Firms were assured for transparent and swift process of registration.
5. Firms were requested to apply the fresh registration for above bearings as soon as possible. The discussion points deliberated during the meeting and comments received from firms has been compiled and are under:-

A. M/s SKF:

- i. M/s SKF deliberated that population WAP5 locomotive is very less not more than 50 locos at peak times and annual requirement of these bearing are not more than 200 – 300 Nos. Therefore, making investment in localizing these bearings for mentioned quantities will be loss making as ROI will not be justifiable.



- ii. M/s SKF has requested to reduce the developmental time period of these bearings and firm again emphasized that indigenized items may be included into Approved List after capability assessment & compliance of QAP & STR for the given product as per clause 4.3 of ISO document, QO-D-8.1-7.
- iii. Firm informed that they have already requested RDSO for upgrading their name for the item of Suspension Tube Bearing of WAG9/WAP7 through the above clause. However, RDSO has communicated the reply vide letter no. EL/1.3.10/SKF dated 27.10.2020 that the above clause does not give any relaxation for up gradation of your firm.

B. M/s NEI:

- i. M/s NEI stated that as per make in India initiative, NEI will start the RDSO registration process & will start development of following bearings at NEI, Jaipur plant:-

SN	Item	Bearing type
1.	Axle Box bearing for WAP-5	TBU/UIC 150x250
2.	Traction Motor bearing for WAP-5	NU 224 & NJ 219
3.	Gear Box bearing for WAP-5	L558548/558510, M432148A/432111 & 798/792

- ii. M/s NEI has also requested RDSO that as quantity of these bearings is not good enough, hence to guide them for faster approval of these bearings.

C. M/s NSK:

- i. M/s NSK has stated that Capability Assessment has already been successfully carried at Japan's premises for TM bearing of 6FRA6068 and still NSK is waiting for developmental order from PUs /ZR's.
- ii. Firm further stated that they are not able to get developmental orders due to change in policy regarding procurement of item from foreign sources. Firm requested to permit them for supply for bearings from their works at Japan initially & when the product is approved, they will develop facility at India.

M/s Schaeffler:

- i. M/s Schaeffler also expressed that population WAP5 locomotive is very less and it was not attractive business opportunity for bearing suppliers to localize production of these bearing in India.
- ii. Firm requested that they have already as approved source (imported) for TM bearing (6FXA7059) and they wanted to be awarded as approved source for on the basis of prototype inspection & nominal field trial.
- iii. However, M/s Schaeffler has informed that they have initiated the localized development of the 3 pairs of gearbox bearings used in the drive assembly of 6FXA7059 (CLW Part Nos. 1210-01.311-021, 1210-01.411-022 and 1210-01.411-023) and get ready with sample by Jan'22.



(Anurag Agarwal)
for Director General /Electrical