

Technical Pre-Qualification Requirements (PQR) for procurement cylindrical roller bearings NU224 & NH219 from "local suppliers" (see note-1)

Following clauses should be complied in order to qualify for supply of cylindrical roller bearings NU224 & NH219 (duly filled PQR shall be submitted along with the offer):

Cl. No.	Description	Vendor to comment	
		Complied / Not complied	Supporting relevant document to be submitted along with offer
1	"Local supplier" shall confirm to supply following cylindrical roller bearings: a. NU224 ECP/C4 (rivetless polyamide cage) b. NH219 ECP/C4 (rivetless polyamide cage, insulated)	Yes/No	Not Required
2	The offered bearing shall be in the regular manufacturing range of "local supplier" at its manufacturing plant in India.	Yes/No	Not Required
3	Drawings of the offered bearing shall be furnished. The technical data sheet of the same shall also be furnished, as per requirements mentioned in Annexure-A.	Yes/No	Drawing & technical data sheet of offered bearing
4	Confirmation to be provided that the offered bearing is for traction application.	Yes/No	Not Required
5	"Local supplier" should be the bearing manufacturer and not trader.	Manufacturer/ Trader	Not Required
6	For the manufacturing of the item, manufacturing facilities should be available in India. Confirmation to be provided that the offered bearings shall be manufactured in India.	Yes/No	Not Required
7	Manufacturing & supply experience of successfully supplying at least 60 sets (60 nos. each) of bearings mentioned above at sl. no. 1 in preceding 2 years from date of enquiry, for traction application, to any traction machines manufacturers or Indian Railways or other Railways. The bearings should have been manufactured at "local supplier's" manufacturing plant in India. Vendor to ensure that document submitted for b) shall correlate with the submitted P.O. copy. If desired, price details in PO, invoice may be hidden.	Yes/No	a. PO copies. b. Supply proof i.e. invoice.

Cl. No.	Description	Vendor to comment	
		Complied / Not complied	Supporting relevant document to be submitted along with offer
8	Confirmation to be provided that "local supplier" or any rolling contact bearing of its make is not banned by RDSO Lucknow or any entity of Indian Railways for supply of bearing in traction application.	Banned/ Not banned	Not Required
9	"Local supplier" name shall be appearing in RDSO vendor directory ref. QAE-M-7.1-1 (latest revision) for regular supply of bearings mentioned above at sl. no. 1 or shall furnish approval from Indian Railways (RDSO/CLW) for supply of bearings mentioned at sl. no. 1 above.	Yes/No	Letter of approval from RDSO/CLW

Notes:

1. **"Local supplier"** is defined in BHEL tender enquiry.
2. Compliance of all the points in above T-PQR is mandatory. In absence of compliance of above, vendor's offer is liable to be rejected.
3. Declaration by vendors regarding information / compliance submitted by vendor shall be correct in all respect. In case any deviation/false information is revealed later on, BHEL is free to initiate appropriate punitive proceeding as per prevalent processes and guidelines of company.

Technical Specification for Rolling Contact Bearings

DRAWINGS AND TECHNICAL INFORMATION TO BE SUBMITTED WITH OFFER AGAINST TENDER

1. Dimensioned drawing of the bearing.
2. Type & Make of bearing.
3. Significance of each suffix/prefix.
4. Accuracy class : (Normal/P5/P6)
5. Suitability for application : (Traction/Industrial)
6. Number of rollers & size.
7. Radial internal clearance.
8. Axial clearance.
9. Cage Material : (Brass/Steel)
10. Dynamic capacity of bearing.
11. Static capacity of bearing.
12. Maximum permissible speed (with Grease lubrication)
13. Bearings should be of special execution for traction application with suffix VA301 (SKF), F1 (FAG), SV1 (STEYR), MT (RHP) etc.