

Duly filled Technical Pre-Qualification Requirements to be submitted along with the offer by vendor

For uploading along with enquiry

Ref No: TME/PQR/IM3004BY/Gear Drive Assy. rev.00

Dated: 27/08/2024

Technical Pre-Qualification Requirements (PQR) for “GEAR DRIVE ASSY.”

Vendor should comply with the following clauses in order to qualify for supply of GEAR DRIVE ASSY. (duly filled PQR shall be submitted along with the offer by vendor):

Cl. No.	Description	Vendor to comment	
		Complied / Not complied	Supporting relevant document to be submitted along with offer
1	Vendor shall confirm supply of Gear Drive Assy. as per specification no. TM24636 rev.01 as mentioned in the enquiry.	Yes/No	Vendor to submit compliance of each clause of specification TM24636 rev.01; duly signed and sealed. In case of any deviation w.r.t any clause of specification, supplier should specify the same in their offer.
2	Vendor should be an original equipment manufacturer (OEM) ** of Gear Drive assembly or its sister unit/Indian subsidiary.	OEM/ OEM's sister unit/ OEM's Indian subsidiary	In case of sister unit/Indian subsidiary of OEM, vendor to furnish necessary documents* of being sister unit/Indian subsidiary of OEM, from OEM.

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			Complied / Not complied	Supporting relevant document to be submitted along with offer
3		<p>Vendor should have own facility for type testing of gear drive assembly (for similar configuration as shown in Annexure 3 of specification TM24636 rev.01; wherein gear drive assembly along with fully suspended traction motor are in between the two wheels of an axle and input shaft (of gear drive assembly) centre line/ coupling axis is parallel to axle centre line) for testing at axle RPM corresponds to design speed of 120 kmph of trainset.</p> <p>Type test facility for gear drive assembly shall be for similar application (i.e. DEMU, MEMU, EMU, Metro, semi-high speed and high speed locomotive).</p> <p>Note: a) In case vendor is a sister unit/Indian subsidiary of OEM** of Gear drive assembly, the documents for compliance of this clause shall be either of OEM of Gear drive assembly or of its own.</p>	Yes/No	<p>Details & photograph of facility*</p> <p>a) Duly signed by authorized representative of OEM of Gear drive assembly or of its sister unit/Indian subsidiary along with its name & designation.</p> <p>b) Photographs must indicate configuration of gear drive assembly and traction motor</p>
4		<p>Vendor to furnish the tentative OGA drawing of offered gear drive assembly from OEM**.</p> <p>OGA drawing of the offered gear drive assembly must include sufficient representation of gearbox views, all the necessary interface and mounting dimensions, coupling movement and relevant technical data, considered for offered gear drive assembly, meeting the requirement of Annexure 1 to 6 of specification TM24636 Rev01.</p>	Yes/No	OGA drawing from OEM

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Cl. No.	Description	Vendor to comment	
		Complied / Not complied	Supporting relevant document to be submitted along with offer
5	<p>Gear drive assembly supply experience: Vendor should have experience of design, manufacturing of minimum 240 sets of gear drive assembly having operational speed of 120 kmph or above, to be used with fully suspended traction motors and supplied during last 10 years from enquiry opening date, to Rolling stock manufacturers or Traction motor manufacturers or Indian Railways or other Railways.</p> <p>Gear drive assembly supplied shall be for similar application (i.e. DEMU, MEMU, EMU, Metro, semi-high speed and high speed locomotive) and similar configuration as shown in Annexure 3 of specification TM24636 rev.01; wherein gear drive assembly along with fully suspended traction motor are in between the two wheels of an axle and input shaft (of gear drive assembly) centre line/ coupling axis is parallel to axle centre line.</p> <p>Note: In case vendor is a sister unit/Indian subsidiary of OEM** of Gear drive assembly, the documents for compliance of this clause shall be either of OEM of Gear drive assembly or of its own.</p>	Yes/No	<p>a. Document in support of maximum operational speed of gear drive assy.</p> <p>b. Document in support of application for which gear drive assembly had been supplied.</p> <p>c. PO/ Invoice/ Contractual document/any other documentary proof in support of supply of 240 sets of gear drive assembly (if required, financial details may be hidden) for similar application.</p> <p>d. OGA/photographs of supplied gear drive assembly indicating configuration of gear drive assembly.</p>
6	<p>Flexible coupling supply experience: Vendor/vendor's source of flexible coupling should have experience of design, manufacturing of minimum 240 no. of flexible coupling (both motor & gearbox half), for gear drive assembly having operational speed of 120 kmph or above, to be used with fully suspended traction motors and supplied during last 10 years from enquiry opening date, to Indian Railways or other Railways or Gear drive assembly manufacturers or Traction motor manufacturers or Rolling stock manufacturers.</p> <p>Note: In case vendor is a sister unit/Indian subsidiary of OEM** of Gear drive assembly, the documents for compliance of this clause shall be either of OEM of Gear drive assembly or Coupling source of OEM of Gear drive assembly or of its own.</p>	Yes/No	<p>a. Document in support of maximum operational speed of gear drive assy. for which coupling is supplied.</p> <p>b. PO/ Invoice/ Contractual document/any other documentary proof in support of supply of 240 nos. of flexible coupling (if required, financial details may be hidden).</p>

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Sl. No.	Description	Vendor to comment	
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7	Vendor shall confirm supply of coupling of same make for which experience details are submitted as clause 6 above.	Yes/No	Compliance
8	For verification of information furnished by vendor, additional documents proofs etc. may be required by BHEL. Vendor to confirm providing the same.	Yes/No	Compliance

Note:

- 1) * →The documents provided should be valid at the time of enquiry opening date.
- 2) ** → Original equipment manufacturer (OEM) of gear drive assembly referred in the document shall be considered as a firm with design, manufacturing/assembly & type testing capability and experience in above, for similar type of gear drive assembly as shown in Annexure 3 of specification TM24636 rev.01.
- 3) 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.
- 4) Information / compliance / documents submitted by vendor shall be authentic in all aspects. In case any deviation / false information / forged documents are observed, BHEL is free to initiate appropriate punitive proceeding against the supplier.

Important: This document is to be filled and submitted along with the offer. This document must be signed by authorized representative of the vendor and should contain the name of representative & seal of the company.

Date: