



TRANSNET

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RFP BRIEFING SESSION

Date: 27th July 2023

Time: 11h00

Venue: MS Teams



HOAC-HO-40794

**NATIONAL SUPPLY AND DELIVERY OF BRIDGE
AND CHECK CURVE COMPOSITE SLEEPERS TO
TRANSNET FREIGHT RAIL ON AN AS AND WHEN
REQUIRED BASIS FOR A PERIOD OF THREE (03)
YEARS**



Technical Requirements

Compliance to Technical Specification

All bidders to comply with the requirements of the specification: **"Specification for Composite Sleepers" BBH 5611.**

1

General Requirements

Profiles:

- SAR 48
- SAR 57
- 60E1

Track Gauge:

- 1065 mm

Axle Tonnages:

- 20 tons/axle
- 26 tons/axle
- 30 tons/axle

Tolerances:

- Provide drawings

Thermal expansion:

- $< 5 \cdot 10^{-5}/^{\circ}\text{C}$
- Rail temperature: -15 to 70 °C

2 Performance Requirements

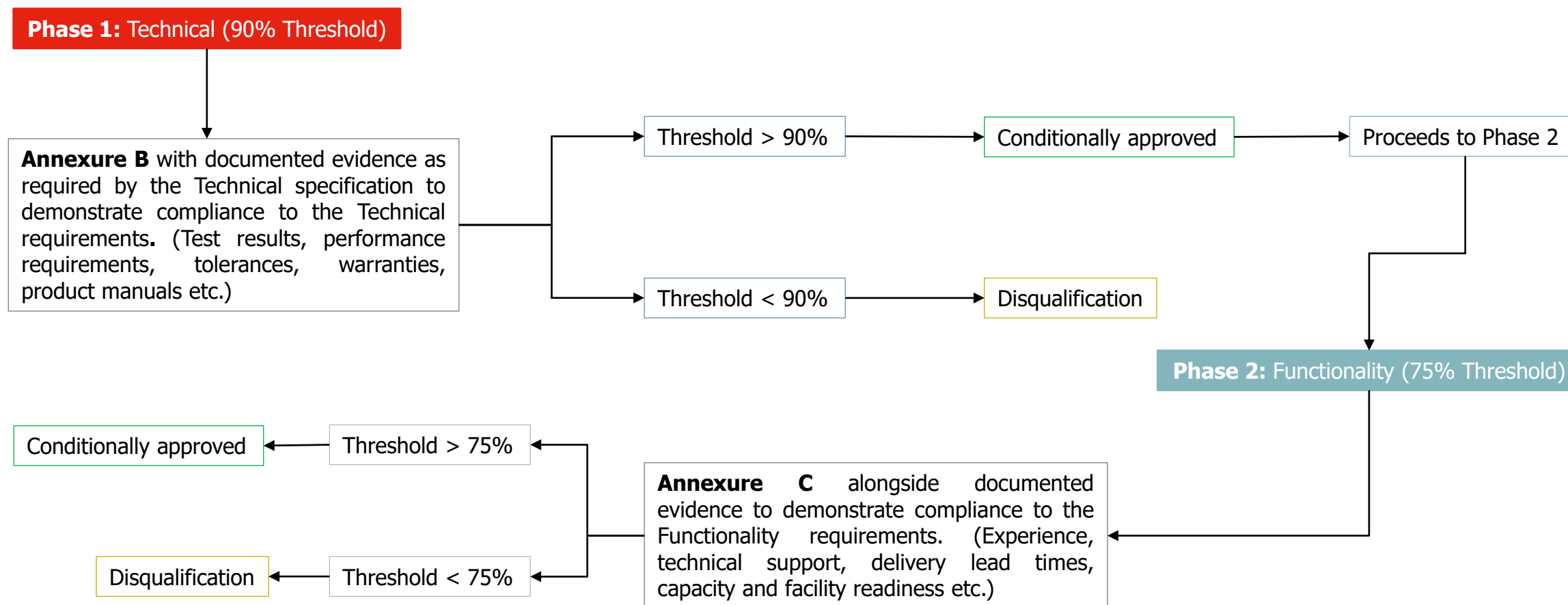
- Lateral Load > 80 kN
- Continuous Load > 60 kN
- Train speed > 100 km/h
- Rail inclination 1:20
- Curve radius as small as 110 m

3 Testing Requirements (BBH 5611 Paragraph 4.4.5.1 - 4.4.5.12)

- All sleepers should be subjected to the required tests as per Table 3 (BBH 5611)
- All tests should be done according the specification and/or according to relevant ISO/JIS/SANS or equivalent standards.
- All test results should comply to the acceptance criteria specified in the BBH 5611 specification.

Evaluation Methodology

All suppliers, will be evaluated for Functionality and Technical compliance before award of business.



THANK YOU

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