

## ANNEXURE-A

**PRE-QUALIFYING REQUIREMENTS FOR PURCHASE INDENT 20240379 DT. 10-01-2024  
FOR FRAMEWORK AGREEMENT OF SILVER PLATING ON ALUMINIUM & COPPER  
COMPONENTS, CONDUCTORS INCLUDING BLANKING PLATES & PALMS**

Sl. No.	PRE-QUALIFYING REQUIREMENTS	DETAIL DESCRIPTION	ACCEPTANCE CRITERIA
01	<b>Size, Type &amp; Weight of Job</b>	<p><b>Job Type-</b> Octagon, Square, Flat, Rectangular, L, Z &amp; U type or as per design.</p> <p><b>Size of Job:</b> Height- 4000 mm (Max.), Width- 1000 mm (Max.), Depth- 1000 mm (Max.)</p> <p><b>Weight of Job:</b></p> <ol style="list-style-type: none"> <li>1. For MATERIAL CODE RU5610040019 – Upto 100 Kg.</li> <li>2. For MATERIAL CODE RU5610040426 – More than 100 Kg.</li> </ol> <p><b>Note: - For palm involving multiple sides (like octagon, square shape etc.), BHEL will be free to ask for plating on only one side (on selective portion) of the palm. In that case, vendor will have to make suitable masking arrangement with no extra cost implication to BHEL.</b></p>	<b>Self-undertaking required on Company Letter Head mentioning material code(s) for which offer submitted.</b>
02	<b>Technical requirement</b>	<ol style="list-style-type: none"> <li>1. Bidder shall have silver plating processing plant as per BHEL standard SG14610 R04, SG15600 R04 &amp; AA0673613 R04.</li> <li>2. For MATERIAL CODE RU5610040426 where weight of job is more than 100 Kg., Bidder shall have overhead crane and transporter facility with process time control system to maintain the process parameter (like voltage, current and temperature) and to meet the required quality as per BHEL standard.</li> <li>3. Bidder shall have at least 2 years' experience (with documental proof) in silver plating on electrical grade aluminium alloy conductors and bus bars, to ensure required quality as per BHEL standard, as it is a specialized and expensive process for very high current carrying electrical application (up to 26000 Amps. at working temperature of 85°C).</li> <li>4. The technical offer of new bidder other than BHEL PMD vendor, who is not listed with BHEL, shall be reviewed as per BHEL standard. The expert team of BHEL will visit their plant to examine the silver-plating facilities as per SG14610 R04, SG15600 R04 &amp; AA0673613 R04. Failing to meet the standard requirement will be liable for rejection of offer technically.</li> </ol>	<p><b>For Sl No 1, Signed documents is required.</b></p> <p><b>For Sl No 2, Self-undertaking is required.</b></p> <p><b>For Sl No 3, PO/Invoices are required.</b></p> <p><b>For Sl No 4, BHEL reserves the right.</b></p>
03	<b>Testing Facilities</b>	<p>Bidder shall have testing facilities for</p> <ol style="list-style-type: none"> <li>i. Chemical composition analysis as per product standard SG14610 R04, SG15600 R04 &amp; AA0673613 R04.</li> <li>ii. Thickness measurement</li> <li>iii. Anti-tarnishing</li> <li>iv. Adhesion</li> <li>v. Salt spray &amp;</li> <li>vi. Humidity test etc.</li> </ol>	<b>Signed documents is required.</b>