

**PRE-QUALIFYING REQUIREMENTS FOR PURCHASE INDENT 20200246 DT 29.08.2020
FOR FRAMEWORK OF SILVER PLATING ON ALUMINIUM & COPPER CONDUCTORS
INCLUDING BLANKING PLATES & PALMS**

Sl. No.	PRE-QUALIFYING REQUIREMENTS	DETAIL DESCRIPTION
01	Size, Type & Weight of Job	Job Type- Octagon, Square, Flat, Rectangular, L, Z & U type or as per design. Size of Job: Height- 4000 mm(Max.), Width- 1000 mm (Max.), Depth- 1000 mm (Max.) Weight of Job: Upto 100 Kg. for Material Code RU56100400019. Weight of Job: 100 Kg. to 500 Kg. for Material Code RU5610040426. 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.
02	Technical requirement	1. Bidder shall have silver plating processing plant as per BHEL standard <u>SG14610 R04</u>, <u>SG15600 R03</u> & <u>AA0673613 R04</u>. 2. 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. 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). 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 <u>SG14610 R04</u>, <u>SG15600 R03</u> & <u>AA0673612 R04</u>. Failing to meet the standard requirement will liable for rejection of offer technically.
03	Testing Facilities	Bidder shall have testing facilities for - Chemical composition analysis as per product standard <u>SG14610 R04</u>, <u>SG15600 R03</u> & <u>AA0673613 R04</u>. - Thickness measurement - Anti-tarnishing - Adhesion - Salt spray & - Humidity test etc.