

## ANNEXURE-B

**TECHNO-COMMERCIAL TERMS AND CONDITIONS FOR PURCHASE INDENT 20240379  
DT. 10-01-2025 FOR FRAMEWORK AGREEMENT OF SILVER PLATING ON ALUMINIUM  
& COPPER COMPONENTS, CONDUCTORS INCLUDING BLANKING PLATES & PALMS**

Sl. No.	TECHINICAL TERMS	DETAIL DESCRIPTION
01	<b>Price Basis</b>	Rate shall be quoted for entering into framework agreement for One Year. Rate to be quoted on Price Variation Clause for silver. Multiples Orders shall be placed during validity period of this agreement on finalized rates.
02	<b>Delivery Destination</b>	Rate shall be quoted on F.O.R. BHEL Rudrapur basis. (Jobs shall be lifted by the bidder from BHEL-Rudrapur and shall be delivered back to BHEL Rudrapur after Silver Plating duly packed).
03	<b>Delivery requirement</b>	Delivery time shall be within 21 days from receipt of raw material (Al/Cu) by bidder at BHEL Rudrapur (under GST Job Work norms) after placement of purchase order. Bidder to lift the material from BHEL within 3 days from date of intimation. Beyond 3 days LD is applicable.
9	<b>PVC Clause</b>	Rates shall be subject to Price Variation Clause (PVC) at the base rate of Silver (99.9% purity) @ <b>Rs. 89,800/-</b> As per Mumbai Bullion market (Ready) date <b>06.01.2025</b> . For any change in this rate, the silver closing rate of Mumbai Bullion market on the 1 <sup>st</sup> working day of the calendar month as published on ET-INTELLIGENCE shall be effective for supplies till the end of that month in which the plated components are to be supplied to BHEL/BHEL's fabricators.
05	<b>PVC Ratio &amp; Formula</b>	<b>PVC ratio shall be 1:0.7.</b> i.e. A change in base rate of silver shall impact 70% change in finalized basic rate of silver plating.  Price Variation Formula: - <b><math>S = SF * \{1 + 70\% * (SI - SB) / SB\}</math></b> Where, <b>S = Applicable Rate of Silver Plating at the time of invoicing,</b> <b>SF = Applicable Rate of Silver Plating finalised in the NIT,</b> <b>SI = Applicable Base rate of Silver at the time of invoicing,</b> <b>SB = Applicable Base rate of Silver as per NIT,</b>
06	<b>Test Certificate</b>	TC as per specification shall be submitted along with material.

07	<b>Silver plating procedure/Inspection procedure/Packing</b>	<p>As per attached Product Standard SG14610 R04, SG15600 R04 &amp; AA0673613 R04 and drg. No.- 45410001025 /Packing instructions as per BHE/Pack/SP/001 REV02.</p> <ul style="list-style-type: none"> <li>- Quality assurance plan: QAP/BD/164/R02 (Copy attached)</li> <li>- Composition of components to AA12329</li> <li>- The chemical composition of material when analyzed in accordance with IS:504</li> <li>- Method of chemical analysis of Aluminium and its alloys shall be as follows:</li> </ul> <table> <tr> <th>Elements</th><th>Min.</th><th>Percent Max.</th></tr> <tr> <td>Magnesium</td><td>0.4</td><td>0.90</td></tr> <tr> <td>Silicon</td><td>0.4</td><td>0.90</td></tr> <tr> <td>Manganese</td><td>0.4</td><td>0.90</td></tr> <tr> <td>Copper</td><td>0.4</td><td>0.90</td></tr> <tr> <td>Iron</td><td>0.4</td><td>0.90</td></tr> <tr> <td>Aluminium</td><td>Remainder</td><td></td></tr> </table>	Elements	Min.	Percent Max.	Magnesium	0.4	0.90	Silicon	0.4	0.90	Manganese	0.4	0.90	Copper	0.4	0.90	Iron	0.4	0.90	Aluminium	Remainder	
Elements	Min.	Percent Max.																					
Magnesium	0.4	0.90																					
Silicon	0.4	0.90																					
Manganese	0.4	0.90																					
Copper	0.4	0.90																					
Iron	0.4	0.90																					
Aluminium	Remainder																						
08	<b>Inspection</b>	100% inspection shall be done by BHEL/BHEL's representative before dispatch.																					
09	<b>Important IS</b>	<p>IS:1959 (Silver Anode)</p> <p>IS:3203(Thickness)</p> <p>IS: 1771(Adhesion/Tarnish Resistance test)</p> <p>For all other required IS details vide Product standard SG15600 REV.04</p>																					
10	<b>Distribution Clause</b>	<p>Distribution shall be done as per below matrix as applicable: -</p> <table> <tr> <th>Distribution Matrix</th><th>L1</th><th>L2</th></tr> <tr> <td>02 lowest acceptable bidders</td><td>60%</td><td>40%</td></tr> <tr> <td>01 lowest bidder</td><td>100%</td><td>-</td></tr> </table>	Distribution Matrix	L1	L2	02 lowest acceptable bidders	60%	40%	01 lowest bidder	100%	-												
Distribution Matrix	L1	L2																					
02 lowest acceptable bidders	60%	40%																					
01 lowest bidder	100%	-																					
11	<b>Quantity variation</b>	All the quantities in the enquiry are tentative being framework agreement and BHEL shall have no commitment for exact ordering. Supplier shall be prepared to accept orders of reduced quantities without any implication.																					
12	<b>Insurance of BHEL issued material</b>	<p>Being Job Work contract, semi-finished / finished material shall be issued to sub-contractor for Silver Plating.</p> <p>As the material being issued is sole property of BHEL, Insurance shall be done by BHEL for every consignment under prevailing Insurance Policy.</p>																					
13	<b>Size &amp; Type 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- 501mm to 1000 mm (Max.), Depth- 1000 mm (Max.)</p> <p><b>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>																					

**Bidder's Sign & Seal**