

**TECNH-COMMERCIAL TERMS AND CONDITIONS FOR PURCHASE INDENT 20200246 DT 29.08.2020 FOR FRAMEWORK OF SILVER PLATING ON ALUMINIUM & COPPER CONDUCTORS INCLUDING BLANKING PLATES & PALMS**

Sl. No.	TECHINICAL TERMS	DETAIL DESCRIPTION
01	Price Basis	Rates shall be quoted for entering into framework agreement for One Year. Rates quoted shall be firm for 12 months for ordering including PV clause for silver. Multiples Orders shall be placed during validity period of this agreement on finalized rates.
02	Delivery Destination	Rates shall be quoted F.O.R. BHEL Rudrapur basis for Item-1 & Item-2 for silver plating. (Jobs shall be lifted by the bidder from BHEL-Rudrapur and shall be delivered back to BHEL Rudrapur after Silver Plating duly packed).
03	Delivery requirement	Delivery time shall be within 21 days from intimation from BHEL Rudrapur after placement of purchase order.
04	PVC Clause	Rates shall be subject to Price Variation Clause (PVC) at the base rate of Silver (99.9% purity) @ Rs. 64,800/- As per Mumbai Bullion market (Ready) date 03.08.2020. 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 in the next day's edition of "The Economics Times" 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	PVC Ratio	PVC ratio shall be 1:0.7. i.e. A change in base rate of silver shall impact 70% change in finalized basic rate of silver plating. Please refer below for better clarity on PV clause and its application. e.g. finalized rate for silver plating is Rs 1 per square CM (say) on base rate of silver of Rs. 100 per Kg. if base rate of silver changes from Rs. 100 per Kg to Rs. 110 per Kg. (say) and change in base rate will be 10%. Then, Impact on finalized rate of silver plating shall be $[70\% \text{ of } 10\%] = 7\%$ . Current billing rate shall be $(\text{finalized basic rate}) + 7\% \times (\text{finalized basic rate})$ In this case, billing rate shall be $1 + 7\% \times 1 = 1.07$ (Rs. per square CM).
06	Test Certificate	TC as per specification shall be submitted along with material.

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07	<b>Silver plating procedure/Inspection procedure/Packing</b>	<p>As per attached Product Standard SG14610 R04, SG15600 R03 &amp; AA0673612 R04 and drg. No.- 45410001025 /Packing instructions as per BHE/Pack/SP/001 REV01.</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><thead><tr><th>Elements</th><th>Min.</th><th>Percent Max.</th></tr></thead><tbody><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></tbody></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	
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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) IS:3203(Thickness) IS: 1771(Adhesion/Tarnish Resistance test) For all other required IS details vide Product standard SG15600 REV.03</p>																					
10	<b>Quantity variation</b>	All the quantities in the enquiry are tentative being agreement and BHEL shall have no commitment for exact ordering. Supplier shall be prepared to accept orders of reduced quantities without any implication.																					

Bidder's Sign & Seal

