

TECHNICAL SPECIFICATIONS

Technical Specification					
Sl. No.	Material Code	Short Description	Long Description	UOM	Required Quantity
1	1700027187	COPPER PLATE NARROW 70X1200X92.5	COPPER TYPE (PLATE/SHEET/ROUND): PLATE SIDE: NARROW DIMENSIONS (MM): 70X1200X92.5 INSTALLED LOCATION: TSC MOULD ADDITIONAL INFORMATION: MOULD NARROW FACE PLATE OF CUAG-NS(CUAG0.10P-H080 EN13601), INCLUDING NICKEL COATING ON CASTING SURFACE THICKNESS OF 2.0 MM AMC-HN 20 (NI) OVER 800 MM FROM BOTTOM, COATING HARDNESS>220 HV AND PLATE HARDNESS>85HB, MACHINABLE/WORKING THICKNESS 10MM, FINAL THICKNESS OF PLATE WITH COATING-70 +0.2 MM, SURFACE FINISH-MAX RA = 0.4, THE SUPPLY SHOULD INCLUDE BUSH (16 NOS), PLUG (8 NOS), BUSH AND PLUG MATERIAL-SS304. ALL THE ITEM SHOULD BE SUPPLIED IN ASSEMBLED CONDITION WITH PLATE AND PARALLEL PIN ISO 8734- 16X50 STEEL TYPE A-550-650 HV30 2NOS IN LOOSE CONDITION	No	92
2	1700027186	COPPER PLATE NARROW 70X1200X72.5	COPPER TYPE (PLATE/SHEET/ROUND): PLATE SIDE: NARROW DIMENSIONS (MM): 70X1200X72.5 INSTALLED LOCATION: TSC MOULD ADDITIONAL INFORMATION: MOULD NARROW FACE PLATE OF CUAG-NS(CUAG0.10P-H080 EN13601), INCLUDING NICKEL COATING ON CASTING SURFACE THICKNESS OF 2.0 MM AMC-HN 20 (NI) OVER 800 MM FROM BOTTOM, COATING HARDNESS>220 HV AND PLATE HARDNESS>85HB, MACHINABLE/WORKING THICKNESS 10MM, FINAL THICKNESS OF PLATE WITH COATING-70 +0.2 MM, SURFACE FINISH-MAX RA = 0.4, THE SUPPLY SHOULD INCLUDE BUSH (16 NOS), PLUG (4 NOS), BUSH AND PLUG MATERIAL-SS304. ALL THE ITEM SHOULD BE SUPPLIED IN ASSEMBLED CONDITION WITH PLATE AND PARALLEL PIN ISO 8734- 16X50 STEEL TYPE A-550-650 HV30 2NOS IN LOOSE CONDITION	No	10

NOTE:

1. **Inspection Plan:** Material will be accepted on the basis of following-
 - a. Material certificate of Base material and coating material.
 - b. Hardness certificate.
 - c. DPT test certificate of coated & uncoated condition.
 - d. Ultra Sonic test certificate of coated & uncoated condition.
 - e. Dimensional Certificate.
 - f. Tensile test without extensometer measurement to DIN 50145.
 - g. Crack detection test certificate.
 - h. Notched-Bar impact test according to DIN 50115.
 - i. Guarantee/Warranty certificate.
 - j. Each Item to be packed separately along with Tag of Size and quantity.
 - k. Bush and Plugs should be supplied in assembled condition along with copper plate.
 - l. Visual inspection of material at NSL site.
 - m. Party to submit the General assembly and detailed manufacturing drawings upon placement of order.
 - n. Party to submit Fitment/Interchangeability certificate confirming fitment with our existing water box.
 - o. Supplier's monogram to be embossed/etched/marked on the body of item.
 - p. It shall be the sole responsibility of the party to supply the copper plates strictly as per the specified technical requirements and in conformity with the existing copper plates at NSL.

2. **Sample Required:** 2 numbers of sample piece to be submitted for approval. After approval balance quantity to be supplied.
3. **Delivery Schedule:** Material should be delivered in staggered ways as per following details:
 - i. 1st lot: 34 Nos, within 4 Month of PO placed. (ITEM-1 QTY-30 nos and ITEM-2 QTY-4 nos)
 - ii. 2nd lot: 34 Nos, within 3 Month of delivery of 1st lot (ITEM-1 QTY-30 nos and ITEM-2 QTY-4 nos)
 - iii. 3rd lot: Remaining 34 Nos, within 3 Month of delivery of 2nd lot (ITEM-1 QTY-32 nos and ITEM-2 QTY-2 nos)
4. **Packing Details:** Material should be supplied in suitable packing to ensure-
 - a. Safe delivery at NSL stores without any damage in transit.
 - b. Handling and storing for long time without any damage from atmosphere.
5. **PDI/TPI:** NOT REQUIRED
6. **ADDITIONAL TERMS AND CONDITION:** The successful bidder has to visit NSL (PKG-7) TSC shop and have to take any additional dimensions required for manufacturing of MOULD COPPER PLATE to meet operational parameter.