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| PSGSG/<br>15-16/006 | <b>Product Specifications for<br/>Finger contacts and Current<br/>bridges</b>                                                                                                                                                                                                                                                                                                                                                                  | Drg.No.                  | RD DG 4 35 0517 0034<br>RD DG 4 35 0519 1070 |  |
|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                | Date                     | 16.01.2021                                   |  |
|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                | Product                  | GSM-245                                      |  |
| <b>S.NO</b>         | <b>BHEL Specification</b>                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>Vendor compliance</b> |                                              |  |
|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>YES/NO</b>            | <b>Remarks</b>                               |  |
| <b>1.0</b>          | <b>Application:</b><br>For use as contacts in gas insulated switchgear<br>and other high current applications                                                                                                                                                                                                                                                                                                                                  |                          |                                              |  |
| <b>2.0</b>          | <b>Specifications :</b><br>Drawing Nos: RD DG 4 35 0517 0034<br>RD DG 4 35 0519 1070                                                                                                                                                                                                                                                                                                                                                           |                          |                                              |  |
| <b>3.0</b>          | <b>Material: Cu-Cr alloy</b><br>Copper : 99%<br>Chromium: <1 %<br>Balance: Non-reactive, High electrical<br>conductivity<br>material like Ag, etc.<br><br>This alloy shall be made using fine alloying<br>practices so as to minimize occlusion of gases.<br>The copper used for alloying shall be 99.97%<br>pure. Electrolytic grade is preferred                                                                                             |                          |                                              |  |
| <b>4.0</b>          | <b>Electrical Conductivity :</b><br><br>The electrical conductivity of the<br>material should be $\geq 82$ % (IACS)                                                                                                                                                                                                                                                                                                                            |                          |                                              |  |
| <b>5.0</b>          | <b>Tests &amp; Inspection:</b><br><br>1) The supplied material shall be subjected<br>to conductivity measurement. The<br>sample shall exhibit IACS conductivity<br>greater than or equal to 82%.<br>2) The components shall be physically<br>inspected for cracks and blow holes. No<br>blow holes are permitted.<br>3) Material shall be inspected for<br>dimensional checkups.<br>Dimensional report shall be submitted along<br>with supply |                          |                                              |  |
| <b>Page<br/>1/1</b> | <b>PSGSG/15-16/006</b>                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Signature</b>         |                                              |  |