

|          |                                                                                           |                                                                                              |  |                  |
|----------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--|------------------|
| Form No: | <br>PE&SD | <b>BHARAT HEAVY ELECTRICALS LIMITED</b><br><b>PROJECT ENGINEERING &amp; SYSTEMS DIVISION</b> |  | <b>PY 52 282</b> |
|          |                                                                                           | <b>TECHNICAL SPECIFICATION</b>                                                               |  | Rev. No. 00      |
|          |                                                                                           | <b>RESTRICTION ORIFICE PLATE</b>                                                             |  | Page 1 of 2      |

COPYRIGHT AND CONFIDENTIAL  
 The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED,  
 It must not be used directly or indirectly in any way detrimental to the interest of the company.

## RESTRICTION ORIFICE PLATE

### 1.0 GENERAL

- 1.1 This standard specifies requirements related to Designation, Material, Size, Dimensions and other information required for ordering purposes of Stainless Steel Orifice plates.
- 1.2 The Orifice plates supplied according to this specification shall conform to the dimensions as specified in table-1.

### 2.0 MATERIAL:

Stainless Steel Forging / plate of grade 304 .

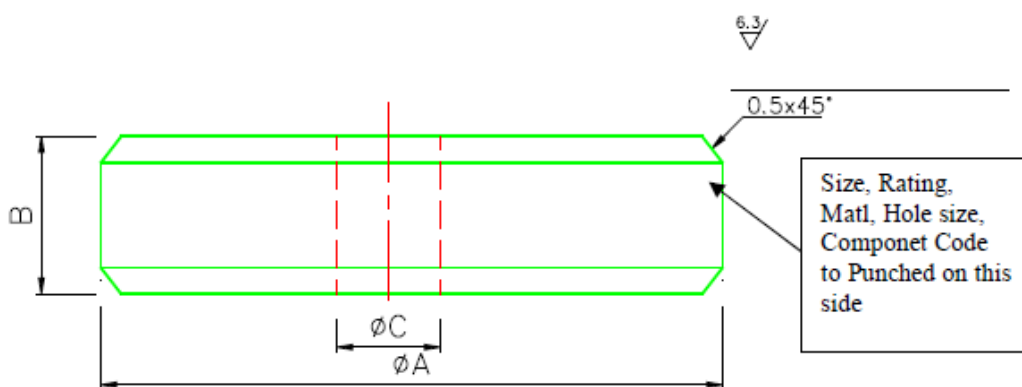
### 3.0 DIMENSIONS, TOLERANCES AND OTHER REQUIREMENTS:

Shall be as per table-1.

TABLE-1

| DESCRIPTION                         | DIMENSION $\phi$ A<br>(Orifice OD) | DIMENSION -B<br>Thickness of orifice | DIMENSION -C<br>(NOTE *) |
|-------------------------------------|------------------------------------|--------------------------------------|--------------------------|
| ORIFICE PLATE SS<br>6MM THK 3" #150 | 133 mm                             | 6 mm                                 | (LATER *)                |
| ORIFICE PLATE SS<br>6MM THK 4" #150 | 171 mm                             | 6 mm                                 | (LATER *)                |
| ORIFICE PLATE SS<br>6MM THK 6" #150 | 219 mm                             | 6 mm                                 | (LATER *)                |

NOTE\* : The dimensions **C** (refer table -1) shall be confirmed by BHEL during the drawing approval stage.



### 4.0 SIZE AND FACE:

Orifice Size (i.e orifice OD) and Thickness (as specified) shall be as per BHEL Enquiry/Order.

|           |                                                                                                  |                                                                                                     |                                                                                                       |                                                                                                     |          |
|-----------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------|
| Refer Doc | <b>LAYOUTS &amp; PIPING ENGINEERING</b><br><br><b>PROJECT ENGINEERING &amp; SYSTEMS DIVISION</b> | PREPARED                                                                                            | CHECKED                                                                                               | APPROVED                                                                                            | DATE     |
|           |                                                                                                  | <br>V.UDAY KUMAR | <br>V.UDAY KUMAR | <br>SRIKANTH G | 26.12.19 |

|          |                                                                                           |                                                                                              |                  |
|----------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------|
| Form No: | <br>PE&SD | <b>BHARAT HEAVY ELECTRICALS LIMITED</b><br><b>PROJECT ENGINEERING &amp; SYSTEMS DIVISION</b> | <b>PY 52 282</b> |
|          |                                                                                           | <b>TECHNICAL SPECIFICATION</b>                                                               | Rev. No. 00      |
|          |                                                                                           | <b>RESTRICTION ORIFICE PLATE</b>                                                             | Page 2 of 2      |

**5.0 DESIGNATION:**

A 3" Stainless Steel orifice plate of thickness 6 mm shall be designated:

ORIFICE PLATE SS 6MM THK 3" #150

**6.0 TECHNICAL DELIVERY CONDITIONS:**

All other requirements shall be as per BHEL Corporate Standard AA0851401 - Technical Delivery Conditions for Flanges.

**+++ REVISIONS:**

| Rev No | Date       | Revision Detail | Revised by | Approved by |
|--------|------------|-----------------|------------|-------------|
| 00     | 26.12.2019 | FIRST ISSUE     |            |             |

**COPYRIGHT AND CONFIDENTIAL**  
 The information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED,  
 It must not be used directly or indirectly in any way detrimental to the interest of the company.