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|  | <p align="center"><b>Specification for</b><br/><b>Impulse steam trap with integral strainer</b></p> | <p align="center"><b>TOS: 441</b><br/><b>Rev.:00</b><br/><b>Sheet No.1/2</b></p> |
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**Material code: 963620250000**

1. Item Name and size : Impulse Steam Trap, NB 15
2. Body size : NB 15
3. Body Rating ; ANSI 300 lbs
4. End Connection : Socket weld ;
5. Socket Weld Bore : 21.72 to 21.97 mm  
(To suit NB15 SCH40 Tube)
6. Trap Materials :
  - a) Body : Stainless steel
  - b) Valve seat assembly : Stainless steel
  - c) Strainer element : Stainless steel AISI 316 / AISI 304
7. Max. operating Pressure : 32 kg/cm<sup>2</sup>(g)
8. Trap Capacity : Minimum 50 kg/hr over the operating DP range.
9. Differential Pressure across trap : 1.5 to 15 kg/cm<sup>2</sup>(g)
10. Inlet Strainer : Integral ; Built in.
11. Strainer Mesh : 0.5 mm (500 microns)
12. Certificates and Documents to be furnished by the vendor :
  - a) Quality Plan shall be submitted for approval.
  - b) IBR certificate in FORM-III C.
  - c) Body hydraulic test done at 48 kg/cm<sup>2</sup>(g).
  - d) Certificate of material and dimensional compliance.
  - e) DP Vs Discharge performance type test for each lot.
  - f) Certificate of chemical composition and mechanical properties of major components.

|                 | Name                | Signature | Date |
|-----------------|---------------------|-----------|------|
| <b>Prepared</b> | <b>M.Thandapani</b> |           |      |
| <b>Checked</b>  | <b>M.Thandapani</b> |           |      |
| <b>Approved</b> | <b>S.Dhanabal</b>   |           |      |

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### 13. MARKING

In addition to manufacturer's standard nameplate, name tags carrying item name and BHEL material code shall be permanently affixed to each strainer.

### 14. PACKING

All interior surfaces applied with rust preventive oil, ends firmly capped and individually placed in card-board boxes with proper packing. Bulk supplies packed in wooden boxes with suitable packing material and well protected against ingress of water and transit damages.

### 15. INWARD INSPECTION

Verification of Name tag, Name plate details and test certificates, Socket bore dimensions and Surface finish shall be carried out.

16. Along with quotation, vendor shall submit point wise confirmation to this specification and shall enclose catalogues, sectional drawings, graphs and other relevant details to assess the offer for its technical conformity to this specification.

|                 | Name                | Signature | Date |
|-----------------|---------------------|-----------|------|
| <b>Prepared</b> | <b>M.Thandapani</b> |           |      |
| <b>Checked</b>  | <b>M.Thandapani</b> |           |      |
| <b>Approved</b> | <b>S.Dhanabal</b>   |           |      |