

**HLL BIOTECH LIMITED**

**INTEGRATED VACCINES COMPLEX, CHENGALPATTU**

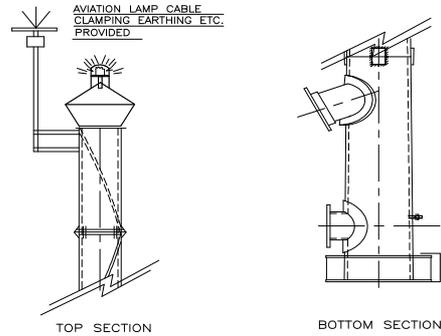
nne pharmaplan®

**Document Name:** Data Sheet for Boiler Chimney  
**Data Sheet No:** NPI/120310/UTL(URS)/U1/D02.02  
**Date / Revision:** 2013-05-14 / 03



**Process / Operating data**

|                       |                     |  |     |
|-----------------------|---------------------|--|-----|
| 1                     | Chimney Design      | IS- 6533   |     |
| 2                     | Operating type      | <input checked="" type="checkbox"/> continuous<br><input type="checkbox"/> discontinuous |     |
| <b>Specifications</b> |                     |  |     |
| 3                     | Chimney             | Carbon steel   |     |
| 4                     | Lighting Conductor  | Copper   |     |
| 5                     | Earth Clamp, Cable  | Copper   |     |
| 6                     | Corrosion Allowance | 1.5 (**)   | mm  |
| 7                     | Foundation Bolt     | M24 X 1500 ( 200 long thread)**  | mm  |
| 8                     | No.of platforms     | 3 (**)   | Nos |



| Other Details   |                    |               |    |
|---|--------------------|---------------|----|
| 9   | Chimney Bottom Dia | XX            | mm |
| 10  | Chimney Top Dia    | XX            | mm |
| 11  | Chimney Thickness  | XX            | mm |
| 12  | Flue Gas Duct      | XX            | mm |
| 13  | Bottom Support     | XX            | mm |
| 14  | Height of chimney  | Minimum 32000 | mm |
|   | Weight of chimney  | xx            | mm |
| Remarks: 2 Chimney shall be design to suit for 2 Boilers of capacity 4 TPH each |                    |               |    |

| Schedule of Flanges |                 |          |
|---------------------|-----------------|----------|
| 15                  | Inspection hole | 450** mm |
| 16                  | Exhaust Inlet   | XX mm    |
| 17                  |                 |          |
| 18                  |                 |          |
| 19                  |                 |          |
| 20                  |                 |          |

**Accessories(Vendor scope of supply)**

|    |   |                                     |    |                   |    |                                     |
|----|---|-------------------------------------|----|-------------------|----|-------------------------------------|
| 21 | Avaition Lamp with cable                          | <input type="checkbox"/>            | 24 | Painter Pulley    | XX | <input checked="" type="checkbox"/> |
| 22 | Lightning Conductor with clamping , earthing etc. | <input checked="" type="checkbox"/> | 25 | Ladder            | XX | <input checked="" type="checkbox"/> |
| 23 | Chimney Hood                                      | <input checked="" type="checkbox"/> | 26 | Sampling platform | XX | <input checked="" type="checkbox"/> |
|    |   |                                     | 27 | Bottom Drain      | XX | <input checked="" type="checkbox"/> |

Remarks:

**Pre-Dispatch tests/documents(Not complete list)**

|    |                  |                                     |    |                  |                        |                                     |
|----|------------------|-------------------------------------|----|------------------|------------------------|-------------------------------------|
| 28 | Radiography Test | <input checked="" type="checkbox"/> | 29 | Joint Efficiency | Minimum 85 % or Better | <input checked="" type="checkbox"/> |
|----|------------------|-------------------------------------|----|------------------|------------------------|-------------------------------------|

**Notes**

- 30 Before the fabrication of the chimney , detailed drawings and details shall be submitted for approval.
  - 31 The chimney,ladder, cage,intermediate platforms etc to be painted with heat resistant Primer and two coats of heat and corosion resistant Aluminium paint on completion of erection and prior to commissioning. Chimney is to be cleaned with wire brush internally.
  - 32 Vendor should provide chimney base plate, stool template for foundation purpose with foundation bolts to client.
  - 33 Price should be quoted based on quantity by considering the given corrosion allowance.
  - 34 Earth pit with plate electrode details to be provided by the vendor.
  - 35 The chimney should be constructed in Carbon steel material or high temperature aluminising from inside of chimney.
  - 36 The scope includes complete installation of chimney.
  - 37 One computer shall be considered for online stack monitoring system( Min Specs - 1 GB RAM, Core 2 Duo ,300 GB Hard Disk, Windows 7(32-bit) / XP)
- XX- To be specified by the vendor.**
- \*\* - Vendor to confirm**

**AFE - Approved for enquiry, AFO - Approved for ordering**

|     |            |             |            |             |                                     |                          |        |
|-----|------------|-------------|------------|-------------|-------------------------------------|--------------------------|--------|
| 3   | 2013-05-14 | VSHI        | DEAV       | HBL         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | sheet: |
| Rev | Date       | Prepared by | Checked by | Approved by | AFE                                 | AFO                      | 1 / 1  |