

| SL NO.                                                             | MATERIAL     | SHORT TEXT                              | DRAWING NUMBER           | QUANTITY<br>in Nos. |
|--------------------------------------------------------------------|--------------|-----------------------------------------|--------------------------|---------------------|
| 10                                                                 | 200054040000 | K.S.CHEM.T.R.W BOXES 600X500X400MM      | 3-SH-B-004/C             | 145                 |
| 20                                                                 | 200054050000 | K.S.CHEM.T.R.W BOXES 900X600X600MM      | 2-SH-CRT-00002/B         | 440                 |
| 30                                                                 | 200054080000 | K.S.CHEM.T.R.W BOXES1500X700X700MM      | 2-SH-CRT-00002/B         | 200                 |
| 40                                                                 | 200054090000 | K.S.CHEM.T.R.W BOXES1050X1050X500MM     | 3-SH-B-004/C             | 205                 |
| 50                                                                 | 200054110000 | K.S.CHEM.T.R.W BOXES800X200X200MM       | 40-SPM-SH-00001/01       | ★ 60                |
| 60                                                                 | 200054130000 | K.S.CHEM.T.R.W BOXES 2000X200X200MM     | 40-SPM-SH-00001/01       | ★ 50                |
| 70                                                                 | 200054180000 | K.S.CHEM.T.R.W BOXES 2500X400X400MM-SPL | 40-SPM-SH-00002 / 01     | ★ 25                |
| 80                                                                 | 200054220000 | K.S.CHEM. T.R.W. BOXES 200X200X200 MM   | 40-SPM-SH-00001/01       | 160                 |
| 90                                                                 | 200054240000 | K.S.CHEM.T.R.W BOXES 1100X300X300MM     | 3-SH-B-004/B, Rev.No. 01 | 230                 |
| 100                                                                | 200054250000 | K.S.CHEM.T.R.W BOXES 1100X500X500MM     | 3-SH-B-004/B/01          | 185                 |
| 110                                                                | 200150300000 | CTR WOOD BOX T-3                        | 2-V-0000-05779 /02       | 620                 |
| 120                                                                | 200150330000 | CTR WOOD BOX T-1                        | 4-V-4000-07183 / 02      | 985                 |
| 130                                                                | 200151060000 | CTR WOOD BOX T-54                       | 2-V-4600-03636/08        | 180                 |
| 140                                                                | 200054060000 | K.S.CHEM.T.R.W BOXES1200X900X600MM      | 2-SH-CRT-00002/B         | 480                 |
| 150                                                                | 200054070000 | K.S.CHEM.T.R.W BOXES1300X900X900MM      | 2-SH-CRT-00002/B         | 320                 |
| 160                                                                | 200054100000 | K.S.CHEM.T.R.W BOXES1600X900X1000MM     | 3-SH-B-005               | 165                 |
| 170                                                                | 200054120000 | K.S.CHEM.T.R.W BOXES 1500X200X200MM     | 40-SPM-SH-00001/01       | ★ 45                |
| 180                                                                | 200054140000 | K.S.CHEM.T.R.W BOXES 1100X200X200MM     | 3-SH-B-004 / B, Rev 01   | ★ 20                |
| 190                                                                | 200054150000 | K.S.CHEM.T.R.W BOXES 1100X400X400MM     | 40-SPM-SH-00002/01       | 160                 |
| 200                                                                | 200054160000 | K.S.CHEM.T.R.W BOXES 1500X500X400MM     | 40-SPM-SH-00002/01       | 95                  |
| 210                                                                | 200054170000 | K.S.CHEM.T.R.W BOXES 2000X500X400MM     | 40-SPM-SH-00002 / 01     | ★ 15                |
| 220                                                                | 200054390000 | Type SPR - Size 850X630X670 Box         | 20-SPM-SH-00003/01       | 90                  |
| 230                                                                | 200054450000 | Type SPY - Size 450X200X200 Box         | 40-SPM-SH-00001/01       | 130                 |
| 240                                                                | 200150320000 | CTR WOOD BOX T-2                        | 4-V-4000-07183 / 02      | 1,490               |
| 250                                                                | 200150750000 | CTR WOOD BOX T-24                       | 1-V-0000-11136/04        | ★ 50                |
| 260                                                                | 200150780000 | CTR WOOD BOX T-27                       | 1-V-0000-11136/04        | ★ 60                |
| 270                                                                | 200150790000 | CTR WOOD BOX T-28                       | 1-V-0000-11136/04        | ★ 25                |
| 280                                                                | 200150800000 | CTR WOOD BOX T-4                        | 2-V-0000-05779 /02       | 210                 |
| 290                                                                | 200150820000 | CTR WOOD BOX T-6                        | 2-V-0000-05779 /02       | 755                 |
| 300                                                                | 200150830000 | CTR WOOD BOX T-7                        | 2-V-0000-05779/02        | ★ 55                |
| 310                                                                | 200150840000 | CTR WOOD BOX T-10                       | 2-V-0000-05779 /02       | 115                 |
| 320                                                                | 200150880000 | CTR WOOD BOX T-15                       | 2-V-0000-05779/02        | 100                 |
| 330                                                                | 200150930000 | CTR WOOD BOX T-11                       | 2-V-0002-05780           | ★ 10                |
| 340                                                                | 200150940000 | CTR WOOD BOX T-12                       | 2-V-0003-05780           | 80                  |
| 350                                                                | 200150950000 | CTR WOOD BOX T-14                       | 2-V-0000-05779/02        | 75                  |
| 360                                                                | 200150970000 | CTR WOOD BOX T-17                       | 2-V-0005-05780/00        | ★ 40                |
| 370                                                                | 200151000000 | CTR WOOD BOX T-52                       | 2-V-4600-03636/08        | 1,105               |
| 380                                                                | 200151010000 | CTR WOOD BOX T-53                       | 2-V-4600-03636/08        | 205                 |
| 390                                                                | 200151080000 | CTR WOOD BOX T-1A                       | 4-V-4000-07183 / 02      | 150                 |
| 400                                                                | 200151090000 | CTR WOOD BOX T-56                       | 2-V-4600-03636/08        | 110                 |
| 410                                                                | 200151110000 | CTR WOOD BOX T-58                       | 2-V-4600-03636/08        | 475                 |
| 420                                                                | 200151120000 | CTR WOOD BOX T-61                       | 1-V-0000-11136/04        | ★ 35                |
| 430                                                                | 200151130000 | CTR WOOD BOX T-62                       | 2-V-7503-10122           | ★ 35                |
|                                                                    |              | TOTAL QTY                               |                          | 10,185              |
| ★ SPLITTING WILL NOT BE APPLICABLE IN CAE ITEM QTY. FALL ≤ 60 Nos. |              |                                         |                          |                     |



## SPECIFICATION FOR PACKING WOOD – RUBBER WOOD

Doc. No. PR: CHEM: 20

Rev. No.: 03

Date: 15.11.2005

### 1.0 SCOPE:

This specification prescribes the requirements of rubber wood intended for packing purposes.

### 2.0 DEFINITION:

RUBBER WOOD – Seasoned and chemically treated rubber wood in converted form (scantlings, boxes / shooks) intended for packing cases to be stored outside and exposed.

### 3.0 REQUIREMENTS:

3.1 Supply of planks to shipping / FB shall be with one side planning, joint planed and two longitudinal edges prepared for lap joints of 12.5 mm on opposite sides.

3.2 The rubber wood to be supplied shall be seasoned as per IS 1141 – 1993, “SEASONING OF TIMBER – CODE OF PRACTICE”.

3.3 The process for chemical preservative treatment shall be as per IS 401 – 2001, “PRESERVATION OF TIMBER – CODE OF PRACTICE”.

3.4 For chemical treatment, the preservative chemicals used shall be Copper, Chrome, and Boron (CCB) composition.

#### 3.5 DIMENSIONS AND ITS TOLERANCE:

3.5.1 Dimensions shall be as specified in Purchase Order.

3.5.2 The dimensional tolerance shall be as follows:

Length :  $\pm 10$  mm

Width :  $\pm 4$  mm

Thickness :  $\pm 3$  mm for thickness up to 30 mm  
:  $\pm 4$  mm for thickness above 30 mm

Bow :  $\pm 4$  mm per 300 mm



**SPECIFICATION FOR  
PACKING WOOD –  
RUBBER WOOD**

**Doc. No. PR: CHEM: 20**

**Rev. No.: 03**

**Date: 15.11.2005**

**3.6 FREEDOM FROM DEFECTS:**

3.6.1 Planks, Scantlings, Battens shall be free from defects like cracks, bends and knots.

3.7 The material shall also comply with the requirements given in Table – 1.

**Table – 1 REQUIREMENTS FOR RUBBER WOOD**

| <b>S. No.</b> | <b>Characteristics</b>          | <b>Requirement</b> |
|---------------|---------------------------------|--------------------|
| 1             | Species                         | Rubber             |
| 2             | Chemical depth penetration Test | 6.0 mm, (min)      |

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## ANNEX C

### ( Clause 9.2 )

#### METHOD FOR THE DETERMINATION OF MOISTURE CONTENT

##### C-1 TEST SAMPLE

###### C-1.1 Baulks and Scantlings

If the timber is in baulks and scantlings, that is, of cross-sections greater than  $5 \times 5$  cm, a boring taken about 30 cm away from an end and roughly in the middle of any side shall constitute the test sample.

###### C-1.2 Planks

If the timber is in planks of thickness 2.5 cm or less, a section 2.5 cm long, taken at about 30 cm from an end, shall constitute the test sample.

###### C-1.3 Green Timber

In the case of a charge of evenly dried or green timber of the same species, about a dozen samples shall be taken for obtaining the average moisture content.

##### C-2 PROCEDURE

C-2.1 The test sample, immediately after it has been

bored or cut from the timber, is placed in a tared weighing bottle; the bottle with the sample in it is weighed and then placed with the stopper removed in an oven set at  $103 \pm 2^\circ\text{C}$ . After 24 hours of drying, the bottle is taken out, stoppered, and cooled to the atmospheric temperature in a desiccator and weighed.

##### C-3 CALCULATION

C-3.1 The moisture content, in percent, shall be calculated as follows:

$$\text{Moisture content} = \frac{B - C}{C - A} \times 100$$

where

$B$  = mass of the weighing bottle ( including stopper ) with sample before drying,

$C$  = mass of the weighing bottle (including stopper) with sample after oven drying, and

$A$  = mass of the weighing bottle ( including stopper ).

## ANNEX D

### ( Clause 9.5 )

#### METHOD FOR THE DETERMINATION OF PENETRATION OF PRESERVATIVE

##### D-1 GENERAL

Methods for the determination of penetration of copper-chrome-arsenic composition, zinc chloride and acid-cupric-chromate composition are given below. 'Definite colour reactions are not given by other common preservatives.

##### D-2 COPPER-CHROME-ARSENIC COMPOSITION, ACID-CUPRIC-CHROMATE COMPOSITION, BORATED-COPPER-CHROME-ARSENIC COMPOSITION AND AMMONIACAL-COPPER-ARSENITE COMPOSITION

###### D-2.1 Detection for Copper

D-2.1.1 Dissolve 0.5 g chrome Azurol-S and 5.0 g of sodium acetate in 80 ml water and dilute to 100 ml.

D-2.1.2 Spray the solution over split section or boring with a fine spray on the cut surface of treated wood. A deep blue colour shows the presence of copper.

###### D-2.2 Detection for Chromium

D-2.2.1 Dissolve 0.5 g diphenyl carbazide in 50 ml isopropyl alcohol and 50 ml of distilled water.

D-2.2.2 Spray the solution on the boring or cross section of treated wood. Portions containing chromium will develop a purple colour while unpenetrated portion will remain as such.

###### D-2.3 Detection for Arsenic

###### D-2.3.1 Solution 1

3.5 g ammonium molybdate dissolved in 90 ml distilled water followed by 9 ml concentrated nitric acid.

###### D-2.3.2 Solution 2

0.7 g benzidine dihydrochloride dissolved in 10 ml concentrated acetic acid and diluted to 100 ml by adding 90 ml distilled water.

## **TEST CERTIFICATE FOR RUBBER WOOD (MODEL FORMAT)**

Test report no.:XXX/dated DD-MM-YY

DC No.XXX/Dated DD-MM-YY

|    |                                                                                                              |                                                            |
|----|--------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| 1  | NAME OF THE FIRM                                                                                             |                                                            |
| 2  | PO NO. & DATE                                                                                                |                                                            |
| 3  | NAME OF THE CUSTOMER                                                                                         | BHEL,TRICHY                                                |
| 4  | MATERIALS                                                                                                    | CHEMICALLY TREATED RUBBER WOOD                             |
| 5  | QUANTITY & SIZE DETAILS                                                                                      | AS PER DC NO.XXX/DATED DD-MM-YY                            |
| 6  | SPECN TO WHICH MATERIALS SUPPLIED                                                                            | PR:CHEM:20/03                                              |
| 7  | DIMENSION REPORT                                                                                             | AS SPECIFIED IN PR:CHEM:20/03, CI.3.5                      |
| 8  | NAME OF THE SPECIES IDENTIFIED<br>(TRADE NAME)                                                               | RUBBER WOOD                                                |
| 9  | DATE OF SEASONING / TYPE OF SEASONING                                                                        | DD-MM-YY / KILN SEASONING                                  |
| 10 | PERCENTAGE OF MOISTURE CONTENT IN<br>SEASONED WOOD BEFORE CHEMICAL<br>TREATMENT (TEST AS PER IS:401,ANNEX-C) | XX%                                                        |
| 11 | DATE OF CHEMICAL TREATMENT                                                                                   |                                                            |
| 12 | TYPE OF CHEMICAL TREATMENT FOLLOWED                                                                          | PRESSURE TYPE/ VACUUM IMPREGNATION<br>(tick as applicable) |
| 13 | TYPE OF CHEMICAL PRESERVATIVES USED                                                                          | Copper-Chromium-Born (C.C.B)                               |
| 14 | DEPTH OF PENETRATION OF PRESERVATIVE<br>CHEMICALS, mm                                                        | ___mm (as per PR:CHEM:20/03, CI 3.7                        |
|    | Presence of copper<br>(test as per IS:401, <b>Anne D</b> )                                                   | Present                                                    |
|    | Presence of Chromium<br>(Test as per IS:401, <b>Annex D</b> )                                                | Present                                                    |
|    | Presence of Boron<br>(Test as per IS:401, <b>Annex D</b> )                                                   | Present                                                    |
| 15 | PERCENTAGE OF MOISTURE CONTENT AFTER<br>CHEMICAL TREATMENT<br>(Test as per IS:401, <b>Annex C</b> )          | Xx% (when dispatched)                                      |
| 16 | Certified that the above supply conforms to the specification. PR:CHEM: 20/03.                               |                                                            |

Signature of quality inspector with seal

**Certificate by Chartered Accountant on letter head**

This is to Certify that M/s ..... ,  
(herein-after referred to as 'company') having its registered office at  
..... is registered under MSMED Act 2006, (Entrepreneur  
Memorandum No (Part—II) ..... dtd.....  
Category: .....(Micro/Small)). (Copy enclosed).

Further verified from the Books of Accounts that the investment of the company as per the  
latest audited financial year ..... as per MSMED Act 2006 is as follows:

- 1. For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost  
excluding land and building *and* the items specified by the Ministry of Small Scale Industries vide its  
notification No.8.0.1722(E) dated October 5, 2006:

Rs.....Lacs

- 2. For Service Enterprises:** Investment in equipment (original cost excluding land and building and furniture,  
fittings and other items not directly related to the service rendered or as may be notified under the MSMED Act, 2006:

Rs.....Lacs

**(Strike off whichever is not applicable)**

The above investment of Rs .....Lacs is within permissible limit of  
Rs. ....Lacs for .....Micro / Small (**Strike off which is not applicable**)  
Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro/ Small) (**Strike off which Is not applicable**) and the date of graduation of such enterprise from its original category is .....  
(dd/mm/yyyy) which Is within the period of 3 years from the date of graduation of such  
enterprise from its original category as notified vide S.O. No. 3322(E) dated 01.11.2013  
published in the gazette notification dated 04.11.2013 by Ministry of MSME.

Date:

(Signature)

Name -

Membership number -

Seal of Chartered

**/ On Bidder's office letter pad /****Self-Declaration**

|                     |  |
|---------------------|--|
| <b>Enquiry No.</b>  |  |
| <b>Enquiry Date</b> |  |

In line with Government public procurement order Number P-45021/2/2017-B.E-II dated 15.06.2017, and further modified order dt. 28.05.2018 & order 04.06.2020 issued by DPIIT

I / We hereby declare that I / We are a "Local Supplier" meeting the requirement of minimum local content (.....%) defined in the above government notification for the goods against above mentioned enquiry Number.

Details of location at which local value addition will be made is as follows:

|                    |  |
|--------------------|--|
| Door No.           |  |
| Street / Address 1 |  |
| Street / Address 2 |  |
| District           |  |
| State              |  |
| Country            |  |
| PIN Code           |  |

We also understand that the false declarations will be considered as breach of Integrity and liable for action.

**For Company Name:**

**Seal:**

**Signature:**

**Date:**

**Place:**

(Please fill all the yellow color field)

# ANNEXURE - N

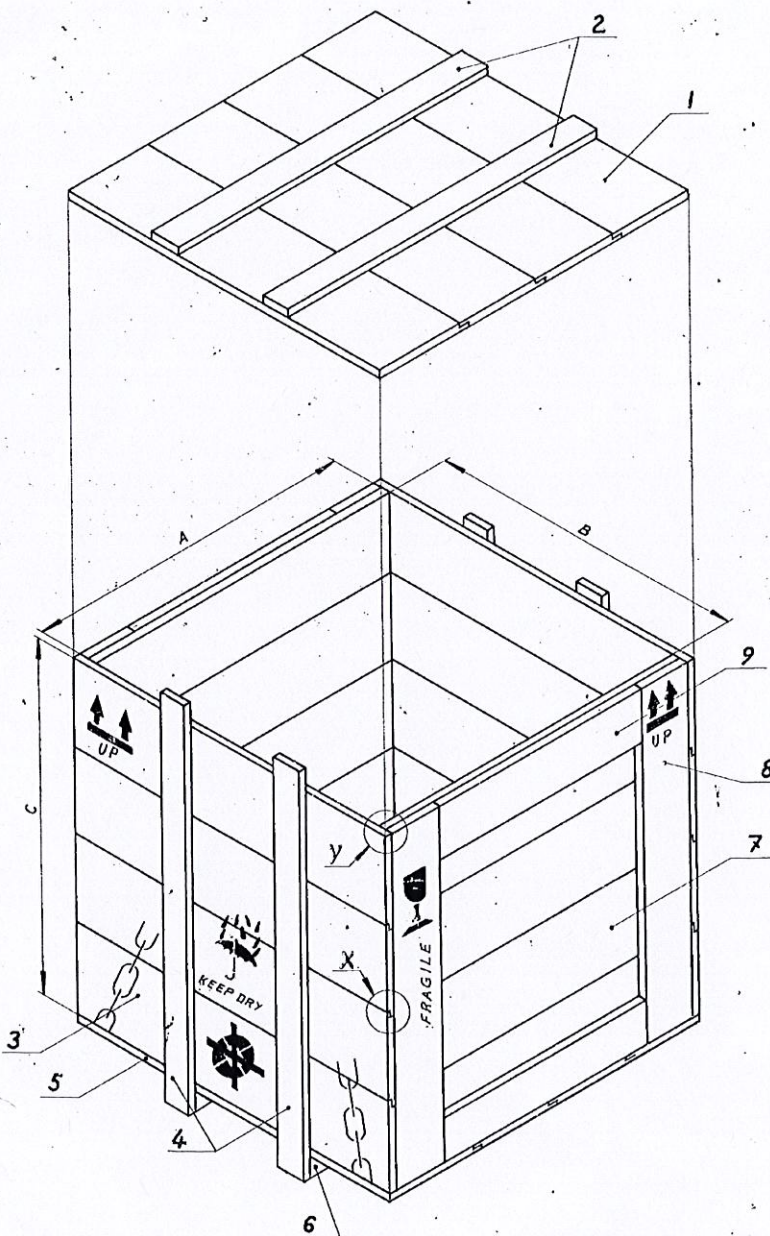
THE FOLLOWING DATA SHOULD BE FURNISHED BY NEW VENDOR

|                                                                                                     |                                                                                                                                                                                                         |                     |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| NAME & ADDRESS OF THE VENDOR                                                                        |                                                                                                                                                                                                         | Document Submission |
| CONTACT / COMMUNICATION DETAILS                                                                     | Name of dealing officials                                                                                                                                                                               | YES / NO            |
|                                                                                                     | LANDLINE & MOBILE NO:                                                                                                                                                                                   | YES / NO            |
|                                                                                                     | EMAIL ID:                                                                                                                                                                                               | YES / NO            |
| BUSINESS TYPE                                                                                       | MANUFACTURER / TRADER / AGENT                                                                                                                                                                           | YES / NO            |
| MSE STATUS                                                                                          | MSE / NON-MSE                                                                                                                                                                                           | YES / NO            |
| MSE TYPE                                                                                            | MICRO / SMALL                                                                                                                                                                                           | YES / NO            |
| TYPE OF MSE FIRM                                                                                    | PROPRIETARY / PARTNERSHIP                                                                                                                                                                               | YES / NO            |
| IN CASE OF PARTNERSHIP                                                                              | PERCENTAGE OF SHARES                                                                                                                                                                                    | YES / NO            |
| Partnership firm                                                                                    | Registered Partnership Deed duly signed by Registrar of Firms                                                                                                                                           | YES / NO            |
| Proprietorship                                                                                      | Profession Tax Regn./ Municipal Regn/ PAN of Firm (Proprietor)                                                                                                                                          |                     |
| Private/Limited Company/One Person Company                                                          | Memorandum of Association, Articles of Association and Certificate of Incorporation                                                                                                                     | YES / NO            |
| Co-operative society                                                                                | Society rules & bye laws                                                                                                                                                                                | YES / NO            |
| State Govt. / Govt. Of India Undertaking                                                            | Memorandum & Articles of Association                                                                                                                                                                    | YES / NO            |
| COPY OF PAN CARD                                                                                    |                                                                                                                                                                                                         | YES / NO            |
| GST REGISTRATION DOCUMENT                                                                           |                                                                                                                                                                                                         | YES / NO            |
| Professional Tax Regn/ Municipal Regn                                                               |                                                                                                                                                                                                         | YES / NO            |
| Licence details of the factory                                                                      |                                                                                                                                                                                                         | YES / NO            |
| Manufacturing range & facilities: (If applicable)                                                   | <ul style="list-style-type: none"> <li>List down the product range &amp; specification details.</li> <li>List of Manufacturing facilities/equipment's (including material handling facility)</li> </ul> | YES / NO            |
| If registered with any other BHEL unit                                                              | Letter of registration with BHEL unit (If applicable)                                                                                                                                                   | YES / NO            |
| Accreditation certificate for ISO:9001 / TOC of Quality System manual / ISO:14000 / OHSAS ISO 18000 | (If applicable)                                                                                                                                                                                         |                     |

SIGN AND SEAL OF AUTHORIZED PERSON

FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

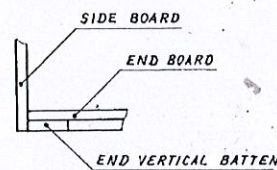
10/9E111-0000-11366



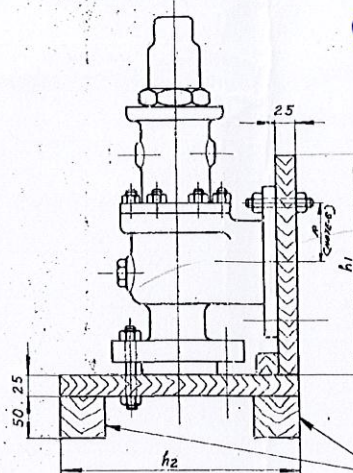
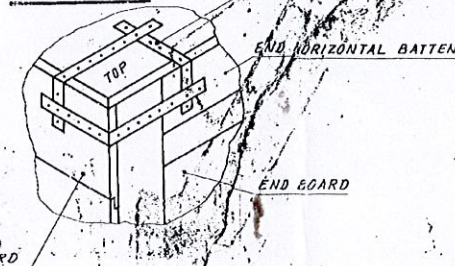
1. TOP BOARD - 25 THICK
2. TOP GIRTH BATTENS - 75 WIDTH X 40 THICK (EQUALLY SPACED)
3. SIDE BOARD - 25 THICK
4. SIDE GIRTH BATTENS - 75 WIDTH X 40 THICK
5. BOTTOM BOARD - 25 THICK
6. BOTTOM GIRTH BATTENS - 75 WIDTH X 25 THICK
7. END BOARD - 25 THICK
8. END VERTICAL BATTENS - 75 WIDTH X 40 THICK
9. END HORIZONTAL BATTENS - 75 WIDTH X 40 THICK

NOTE: THE NUMBER AND WIDTH OF THE SIDE AND END BOARDS SHALL BE DECIDED DEPENDING UPON THE HEIGHT (C).

DETAIL - X



DETAIL - Y



TWO RUNNER PLANS TO A LENGTH OF 43.

TYPE

| FOR FLANGED VALVES |            |     |      |                |                |                |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
|--------------------|------------|-----|------|----------------|----------------|----------------|----------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| TYPE No.           | DIMENSIONS |     |      |                |                |                | DRG. No.       | QTY. | APPLICABLE TO VALVE TYPE NOS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
|                    | A          | B   | C    | h <sub>1</sub> | h <sub>2</sub> | h <sub>3</sub> |                |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| 1                  | 250        | 250 | 600  | 200            | 240            | 240            | 1-V-3001-11136 |      | 1905 D, E, F, G - 1906 D, E, F, G - 1910 D, E - 1912 D, E.<br>1811 F, G, H, J ORIFICES 3X, 6X AND 8X VALVES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |
| 23                 | 300        | 300 | 700  | 320            | 290            | 290            | 1-V-3005-11136 |      | 1905 H, J - 1906 H, J - 1910 F, G - 1912 F, G - 1914 D, E, F - 1916 D, E, F.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |  |
| 24                 | 380        | 380 | 800  | 370            | 370            | 370            | 1-V-3007-11136 |      | 1905 K, L, M - 1906 K, L, M - 1910 H, J, K - 1912 H, J, K - 1914 H, J - 1916 G, H - 1918 D, E, F, G. 1811 K, L, M, N ORIFICES 3X, 6X AND 8X VALVES.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| 4                  | 475        | 475 | 1125 | 400            | 450            | 450            | 1-V-3010-11136 |      | 1905 N, P - 1906 N, P - 1910 L, M, N - 1912 L, M, N - 1914 K, L, M, N - 1916 J, K, L. 1811 P, Q ORIFICES 3X, 6X AND 8X VALVES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |
| 5                  | 510        | 510 | 1400 | 460            | 500            | 500            | 1-V-3012-11136 |      | 1905 Q, R - 1906 Q, R - 1910 P, Q, R - 1912 P, Q - 1914 P, 1767, 1738, 33, 47, 48, 49, 57, 58, 59, 65, 66, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000 |  |  |
| 27                 | 570        | 570 | 1400 | 530            | 560            | 560            | 1-V-3014-11136 |      | 1905 T - 1906 T - 1910 T - 1912 R, T.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |
| 2                  | 250        | 250 | 880  | 350            | 240            | 240            | 1-V-3022-11136 |      | 1715, 16, 17, 25, 28 FLANGED VALVES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |
| 8                  | 380        | 380 | 1125 | 450            | 370            | 370            | 1-V-3013-11136 |      | 1718, 19, 27, 28, 29, 35, 36, 37, 45, 46, 55, 56 FLANGED VALVES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| 28                 | 575        | 575 | 1875 | 650            | 565            | 565            | 1-V-3038-11136 |      | 1775 Q, 6, 76 Q, 6, 77 Q, 6, 85, 86, 85, 86, 87, 87, 87 FLANGED VALVES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |

FOR WELDED INLET VALVES

| TYPE No. | A   | B   | C    | h <sub>1</sub> | h <sub>2</sub> | h <sub>3</sub> | DRG. No.       | QTY. | APPLICABLE TO VALVE TYPE NOS.                                 |
|----------|-----|-----|------|----------------|----------------|----------------|----------------|------|---------------------------------------------------------------|
| 10       | 510 | 510 | 1400 |                |                |                | 1-V-3000-11136 |      | 1739 W, 4 QH, 5 QH, 77 W, 40 W, 55 W, 38 W, 58 W, 50 W.       |
| 11       | 575 | 575 | 1875 |                |                |                | 1-V-3008-11136 |      | 1725 QH, 75 W, 85 W, 25 QH, 6, 85 W, 85 W, 76 W, 65 W.        |
| 12       | 380 | 380 | 1125 |                |                |                | 1-V-3006-11136 |      | 1710 W, 18 W, 19 W, 20 W, 25 W, 26 W, 27 W, 28 W, 29 W, 35 W. |
| 13       | 250 | 250 | 880  |                |                |                | 1-V-3005-11136 |      | 1715 W, 16 W, 17 W.                                           |
| 61       | 575 | 575 | 2000 |                |                |                | 1-V-3001-11136 |      | 1789 W, 6, 17 W.                                              |

NOTES

1. THE INSIDE OF ALL SIDES EXCEPT BOTTOM AND TOP SIDES SHALL BE FULLY COVERED BY A SINGLE BITUMINISED PAPER AND SUITABLY FIXED. THE INSIDE OF TOP SIDE SHALL BE FIXED WITH BITUMINISED PAPER AND POLYETHYLENE SHEET. THE POLYETHYLENE SHEET SHALL BE PROTECTING 50mm ON ALL SIDES. AFTER PUTTING THE TOP FOR CLOSING THE CASE, THE PROTECTING POLYETHYLENE SHALL BE SUITABLY TACKED INSIDE SO AS TO PREVENT DIRECT ACCESS OF WATER FROM THE TOP OF THE CASE.
2. THE VALVE ALONG WITH CRADLE ASSEMBLY SHALL BE COVERED BY A POLYETHYLENE SHEET AND THEN PLACED INSIDE THE BOX.
3. PAINT MARKINGS AS SHOWN IN DRAWING ON ALL SIDES OF BOX.
4. WOOD MATERIALS SHALL BE AS PER APPLICABLE STANDARD.
5. CORNER STRAPPING SHALL BE USED ON ALL CORNERS. STRAPS SHALL NOT BE LESS THAN 20mm WIDE AND 0.8mm THICK. STRAPS MAY BE PRE PUNCHED OR DRILLED.
6. THE RADIUS 'R' WILL VARY FROM VALVE TO VALVE DEPENDING UPON THE FLANGE OR BATTENS. THE PLANKS HAVE TO BE DRILLED SUITABLY DEPENDING UPON THE PLANKS FOR AVAILABLE AND SUITABLE BOLTS AND NUTS ARE TO BE USED FOR FASTENING AS SHOWN.
7. CRADLE ASSEMBLY SHOULD BE AS PER DRG. No. 3-V-0000-13734

Corrections done by me.

K. Rathnasekar

Senior Manager  
MM/Stores/INFL & CNS  
BHEL, Tiruchy - 14.

ENCLOSURE

BHARAT HEAVY ELECTRICALS LIMITED  
BOILER PLANT UNIT, TIRUCHIRAPALLI-620 014

PACKING BOX FOR SV & SRV

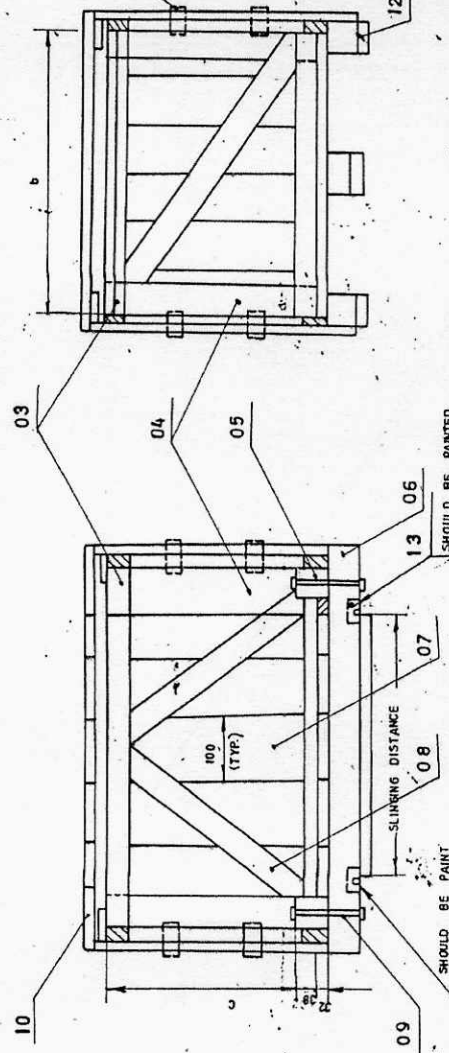
1.V.0000-11136

| REV. | DATE     | BY   | CHKD. | REASON | REV. | DATE     | BY   | CHKD. | REASON |
|------|----------|------|-------|--------|------|----------|------|-------|--------|
| 01   | 10-11-83 | CHD. | CHD.  | CHD.   | 02   | 10-11-83 | CHD. | CHD.  | CHD.   |
| 03   | 10-11-83 | CHD. | CHD.  | CHD.   | 04   | 10-11-83 | CHD. | CHD.  | CHD.   |

20000 - 1R3 - HS - 2 - SH - B - 001/B

6. FOR DETAIL DRG. PL. REFER

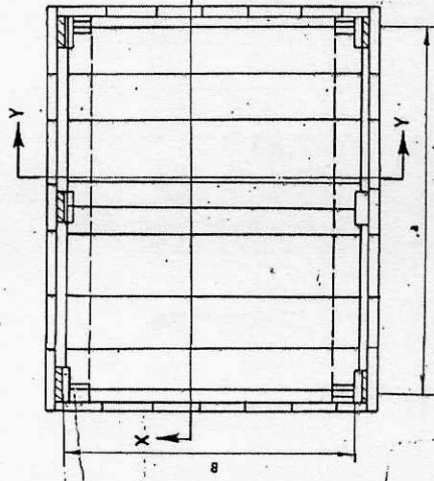
- TOP - 2 - SH - B - 001/B.
- BOTTOM - 2 - SH - B - 001 A/B.
- SIDE - 2 - SH - B - 001 B/B.
- END - 2 - SH - B - 001 C/B.



SECTION - YY

- NOTES:
1. END SHOOK IS TO BE FIXED WITH BASE 1/4" NAILS @ GAUGE.
  2. ALL OTHER NAILING SHOULD BE 2 1/2" - 10 GAUGE FOR ASSY.
  3. CORNER PLATE AND SLING PLATE IS TO BE FIXED WITH 2" NAILS @ 12 GAUGE.
  4. TYPE 966 BOX HAVE 2 RUNNERS IN THE BASE.

SECTION - XX



5. ALL SHOOKS SHOULD BE FIXED WITH POLYTHINE SHEET TO PROTECT FROM RAIN/WATER.

| TYPE | a    | b   | c   |
|------|------|-----|-----|
| 1577 | 1500 | 700 | 700 |
| 1399 | 1300 | 900 | 900 |
| 1296 | 1200 | 900 | 600 |
| 966  | 900  | 600 | 600 |

|    |                                                |                 |
|----|------------------------------------------------|-----------------|
| 15 | SLINGING DISTANCE SHOULD BE PAINTED            | 850             |
| 14 | CAPACITY K6                                    | 2000            |
| 13 | SLING PL. 150 X 75 X 0.5mm SHOULD BE PAINTED   | 6 NOS           |
| 12 | RESTING BOARD                                  | 40 X 100        |
| 11 | SIDE PLATE SHOULD BE PAINTED X NAILS 2         | 150 X 25        |
| 10 | THICKNESS OF SHEATHING PLANK                   | 150 X 25        |
| 09 | BOLT SIZE                                      | M 12 6 NOS      |
| 08 | DIAGONAL BRACE                                 | 30 X 100        |
| 07 | INTERMEDIATE VERTICAL SUPPORT                  | 30 X 100        |
| 06 | RUNNER                                         | 100 X 100 3 NOS |
| 05 | BASE END TRAVERSE BAR                          | 70 X 70 2 NOS   |
| 04 | LATERAL PANEL AND END PANEL VERTICAL SUPPORT   | 30 X 100        |
| 03 | LATERAL PANEL AND END PANEL HORIZONTAL SUPPORT | 30 X 100        |
| 01 | TOP LONGITUDINAL BEAM                          | 3 NOS. 30 X 100 |

TYPE OF PRODUCT  
OR NAME OF ALL DIMENSIONS SHOWN FOR TV-1296 BOX

CUSTOMER/PROJECT  
BHARAT HEAVY ELECTRICALS LTD.  
ONE: HIGH PRESSURE BOILER PLANT.  
THERMO-PULL-ROBIL.

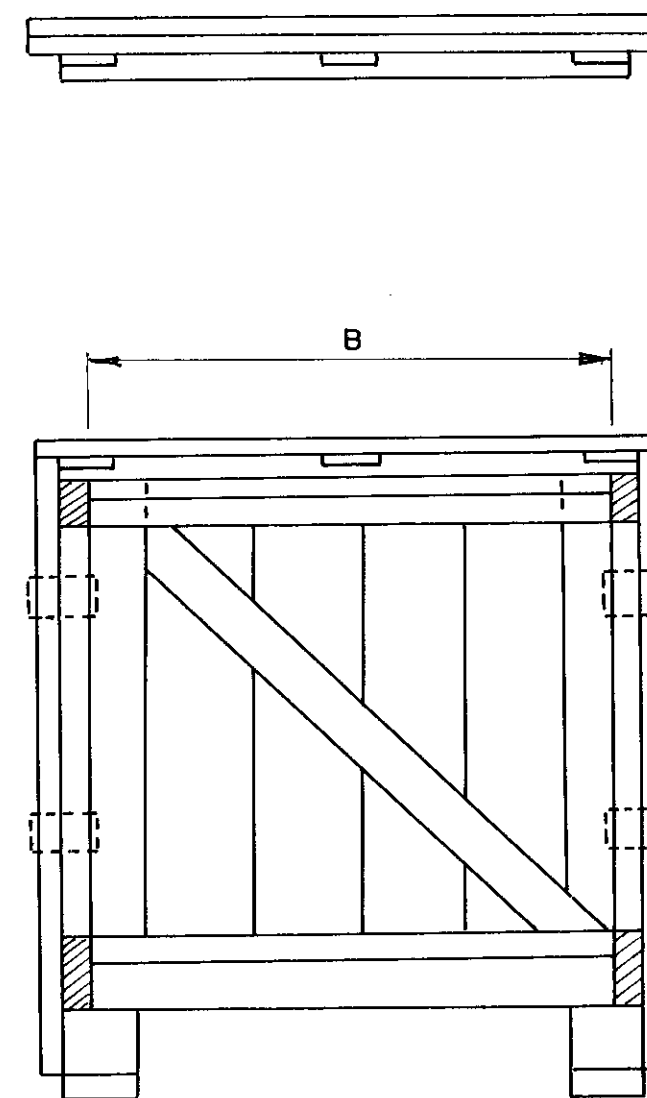
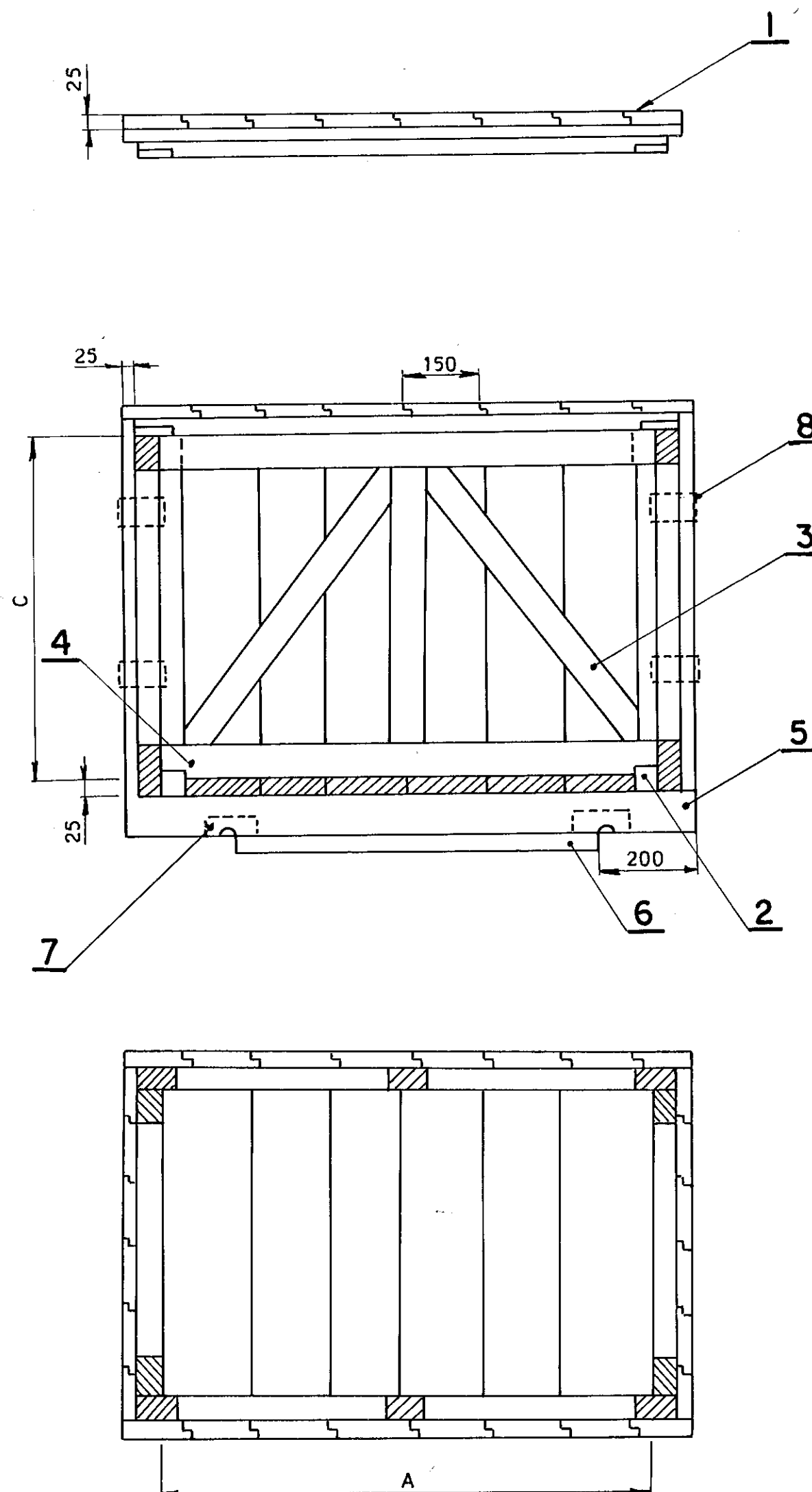
DATE OF ISSUE  
15/05/82

SCALE  
1:1

DRWING NO.  
2-SH-CRT-00002 B

SIZE  
A2

FOR TOLERANCES OF UNTOLERANCED DIMENSIONS DURING MANUFACTURE REFER RELEVANT SCPI/RIP

**LEGEND :-**

A - LENGTH  
B - BREADTH  
C - HEIGHT

| SL NO. | DRG. NO.       | TYPE | DIMENSIONS |      |      | MATL. CODE |
|--------|----------------|------|------------|------|------|------------|
|        |                |      | A          | B    | C    |            |
| 1      | 2-V-0001-05779 | 3    | 670        | 670  | 470  | 20 015 030 |
| 2      | 2-V-0002-05779 | 4    | 710        | 630  | 600  | 20 015 080 |
| 3      | 2-V-0003-05779 | 5    | 850        | 630  | 670  | 20 015 081 |
| 4      | 2-V-0004-05779 | 6    | 1000       | 770  | 670  | 20 015 082 |
| 5      | 2-V-0005-05779 | 7    | 1100       | 430  | 670  | —          |
| 6      | 2-V-0006-05779 | 9    | 1250       | 570  | 1100 | 20 015 083 |
| 7      | 2-V-0007-05779 | 10   | 1300       | 770  | 1050 | 20 015 084 |
| 8      | 2-V-0008-05779 | 13   | 1700       | 600  | 700  | 20 015 086 |
| 9      | 2-V-0009-05779 | 14   | 1850       | 1050 | 1250 | 20 015 095 |
| 10     | 2-V-0010-05779 | 15   | 2000       | 800  | 800  | 20 015 088 |
| 11     | 2-V-0011-05779 | 5A   | 900        | 450  | 950  | 20015210   |

| ITEM No | DESCRIPTION        | SIZE (MM)                                                                  | MATERIAL   |
|---------|--------------------|----------------------------------------------------------------------------|------------|
| 1       | SOFT WOOD PLANKS   | 25X150                                                                     | WOOD       |
| 2       | END TRAVERS BAR    | 50 X 50                                                                    | WOOD       |
| 3       | DIAGONAL BRACE     | 75X25                                                                      | WOOD       |
| 4       | SOFT WOOD BATTERNS | 75X25                                                                      | WOOD       |
| ★ 5     | RUNNERS            | 70X70 (FOR TYPE 3, 4, 5, 5A, 6, 7, 9, 13)<br>100X100 (FOR TYPE 10, 14, 15) | WOOD       |
| 6       | RESTING BEAM       | 150 X 75X50                                                                | WOOD       |
| 7       | SLING PLATE        | —                                                                          | M.S. SHEET |
| 8       | SIDE PLATE         | —                                                                          | M.S. SHEET |

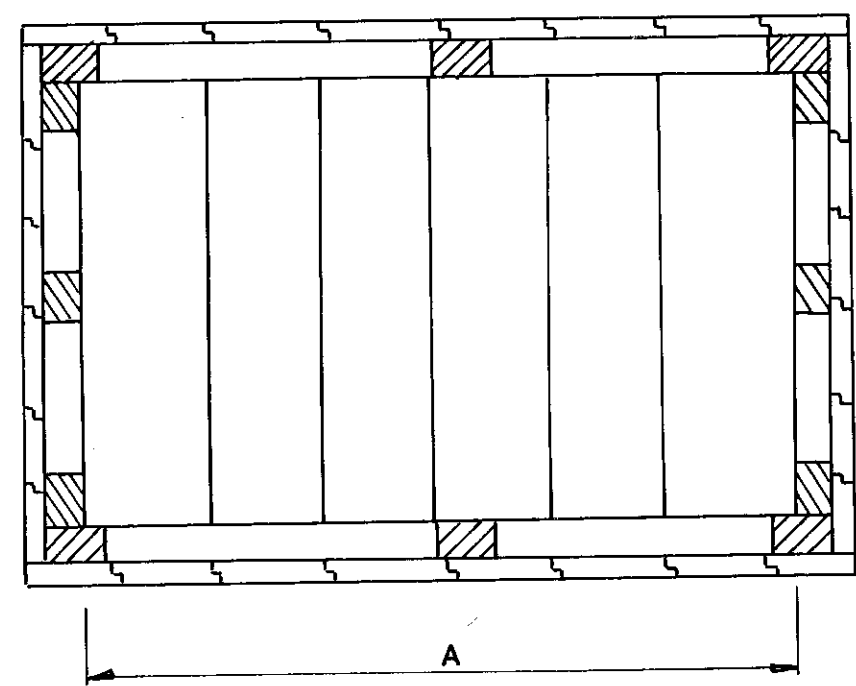
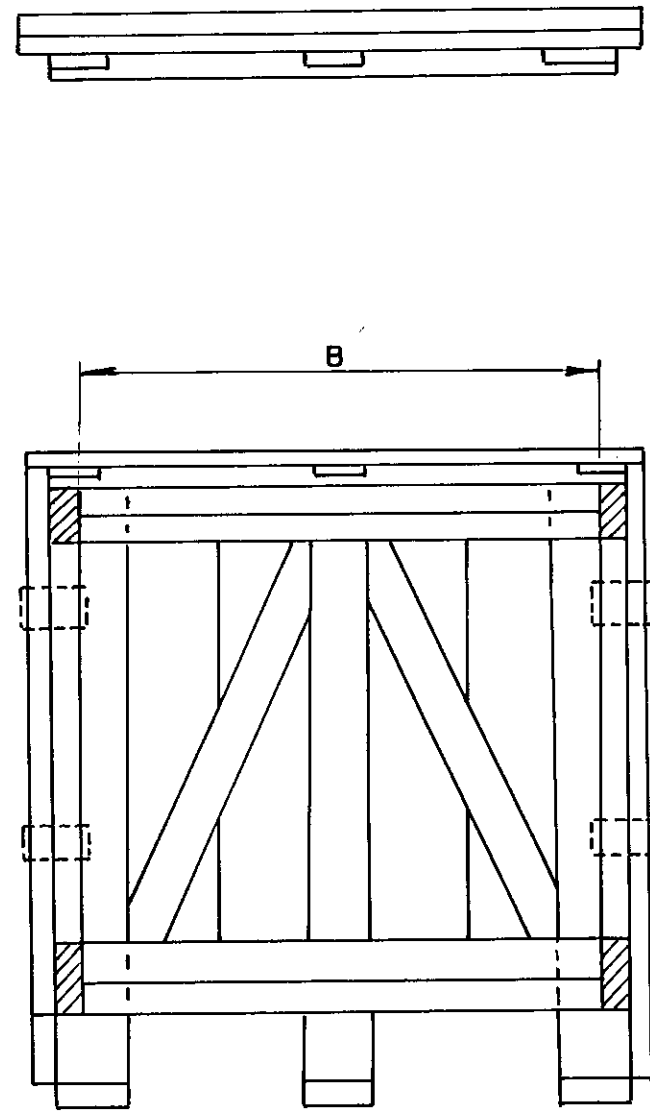
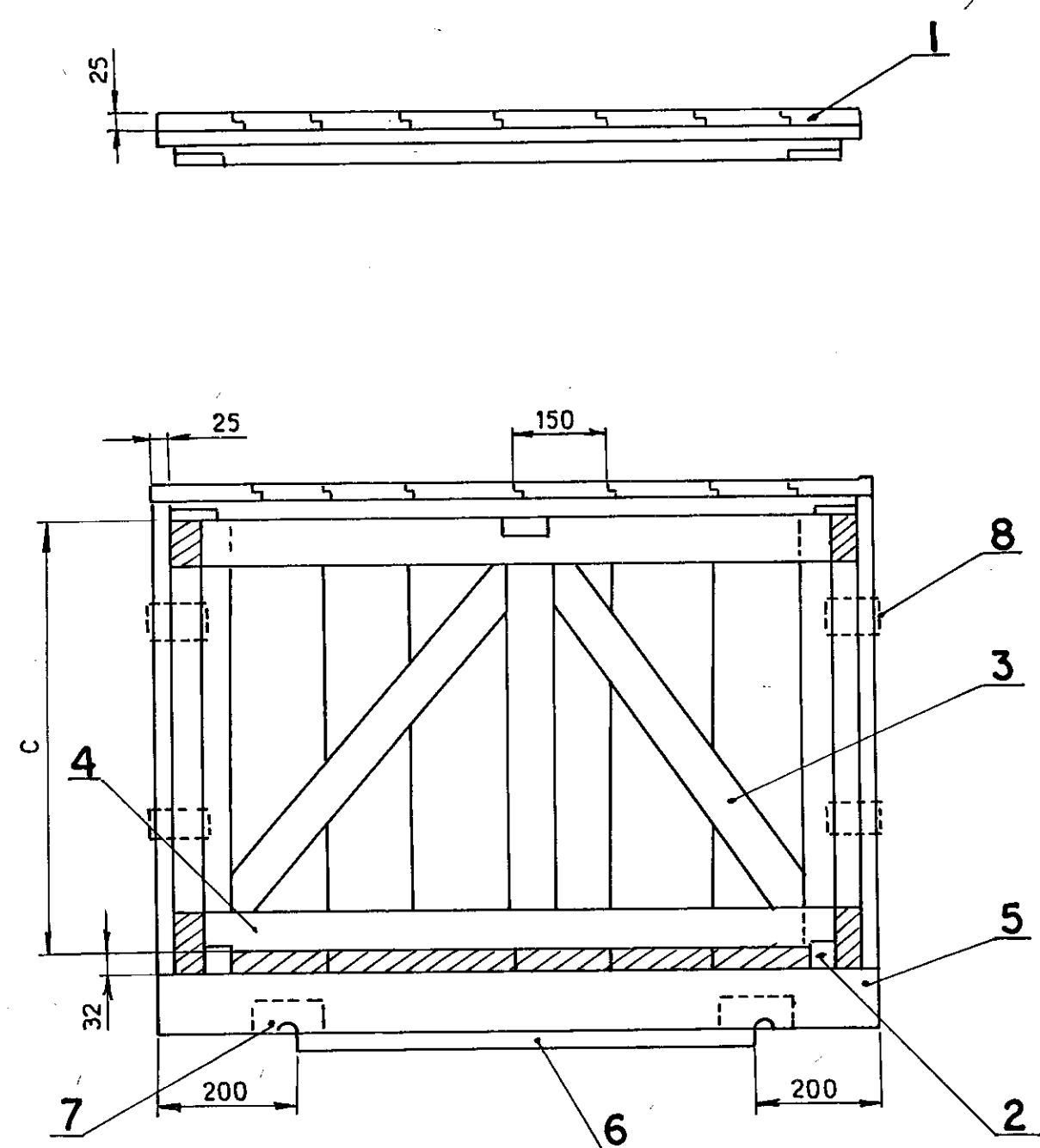
**NOTES FOR PACKING:**

★ 2 NOS TO BE PROVIDED

- THE INSIDE OF ALL SIDES EXCEPT BOTTOM SHALL BE FULLY COVERED BY POLYETHYLENE SHEET SO AS TO AVOID ENTRY OF RAIN WATER.
- SECURE THE ASSEMBLIES WITH ENOUGH SIDE SUPPORTS TO AVOID MOVEMENT OF ASSEMBLIES DURING TRANSIT.

|                                                                                                                                                                                                                                                                                                |             |                   |                   |                                      |               |                    |                        |             |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|-------------------|--------------------------------------|---------------|--------------------|------------------------|-------------|-------------|
| NO. OF<br>PIECES                                                                                                                                                                                                                                                                               | DESCRIPTION | SEM. PRO/SEQ. NO. | INT. MAT/SEQ. NO. | FINAL MATERIAL                       | SCRAP<br>SORT | NET<br>WT.(KG)     | GROSS<br>WT.(KG)       | DRAWING NO. | ITEM<br>NO. |
| <b>BHARAT HEAVY ELECTRICALS LTD.,</b><br><b>BOILER PLANT UNIT, TIRUCHIRAPALLI-14</b>                                                                                                                                                                                                           |             |                   |                   |                                      |               |                    |                        |             |             |
| FIRST ANGLE                                                                                                                                                                                                                                                                                    | SCALE       | DRAWN             | EC010             | TOTAL NET WT.(KG)                    |               |                    |                        |             |             |
|                                                                                                                                                                                                                                                                                                | NTS         | CHECKED           | R.L. Q. S. K.     | TYPE                                 |               |                    |                        |             |             |
| ALL DIMENSIONS IN MILLIMETRES                                                                                                                                                                                                                                                                  |             | APPROVED          | M.R.K. S. K.      | DATE                                 | 14/12/96      | NEW / OLD DRG. NO. | 2-SH-BW-022            |             |             |
| <b>CAUTION</b><br>THE INFORMATION CONTAINED IN THIS DRAWING IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LTD., BOILER PLANT UNIT, TIRUCHY-14 AND SHALL NOT BE USED WITHOUT THEIR EXPRESS WRITTEN PERMISSION IN ANY FORM OR PART THEREOF FOR ANY OTHER PURPOSE THAN FOR WHICH IT IS SENT TO YOU. |             |                   |                   | TITLE<br><b>PACKING BOX (VALVES)</b> |               |                    |                        |             |             |
| 33-114                                                                                                                                                                                                                                                                                         |             |                   |                   | DRAWING NO.<br><b>2-V-0000-05779</b> |               |                    | REVISION<br><b>02.</b> |             |             |

| REV | DATE | ALTD.  | REV.                                                                 | DATE    | ALTD.         | REV.                                                                | DATE     | ALTD.                   |
|-----|------|--------|----------------------------------------------------------------------|---------|---------------|---------------------------------------------------------------------|----------|-------------------------|
| 0   |      | CHD-8. | 02                                                                   | 16.5.96 | CHD&APPD: Jmm | 01                                                                  | 01.12.95 | ALTERED P.R.K. M. S. K. |
|     |      |        | DIMNS. IN SL. NO. 11 900, 450 & 950 WERE 800, 400 & 900 RESPECTIVELY |         |               | RUNNER SIZE CHANGED. FOR TYPE NO: 10/14 & 15 REQUEST FROM SHIPPING. |          |                         |



### LEGEND

A = LENGTH  
B = BREATH  
C = HEIGHT

| SL NO | DRG. NO.       | TYPE | DIMENSIONS |      |      | MATL - CODE |
|-------|----------------|------|------------|------|------|-------------|
|       |                |      | A          | B    | C    |             |
| 1     | 2-V-0001-05780 | 8    | 1200       | 1200 | 900  | 20 015 092  |
| 2     | 2-V-0002-05780 | 11   | 2500       | 850  | 800  | 20 015 093  |
| 3     | 2-V-0003-05780 | 12   | 2000       | 1500 | 1200 | 20 015 094  |
| 4     | 2-V-0004-05780 | 16   | 3000       | 1000 | 1000 | 20 015 096  |
| 5     | 2-V-0005-05780 | 17   | 2600       | 1500 | 1600 | 20 015 097  |
| 6     | 2-V-0006-05780 | 29   | 3600       | 1100 | 1100 | 20 015 102  |

### NOTES FOR PACKING:-

1. THE INSIDE OF ALL SIDES EXCEPT BOTTOM SHALL BE FULLY COVERED BY POLYETHYLENE SHEET SO AS TO AVOID ENTRY OF RAIN WATER.
2. SECURE THE ASSEMBLIES WITH ENOUGH SIDE SUPPORTS TO AVOID MOVEMENT OF ASSEMBLIES DURING TRANSIT.

| ITEM NO | DESCRIPTION        | SIZE (MM)                                                          | MATERIAL   |
|---------|--------------------|--------------------------------------------------------------------|------------|
| 1       | SOFT WOOD PLANKS   | 25X150                                                             | WOOD       |
| 2       | END TRAVERS BAR    | 50X50                                                              | WOOD       |
| 3       | DIAGONAL BRACE     | 75X25                                                              | WOOD       |
| 4       | SOFT WOOD BATTERNS | 75X25                                                              | WOOD       |
| 5       | RUNNERS            | 100X100                                                            | WOOD       |
| 6       | RESTING BEAM       | 150X75X50 (FOR TYPE 8, 11 & 12)<br>100 X 50 (FOR TYPE 16, 17 & 29) | WOOD       |
| 7       | SLING PLATE        | -                                                                  | M.S. SHEET |
| 8       | SIDE PLATE         | -                                                                  | M.S. SHEET |

★ 3 NOS TO BE PROVIDED

|                                                                                                                                                                                                                                                                                                                        |             |                  |                   |                |                                             |                |                                 |             |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------|-------------------|----------------|---------------------------------------------|----------------|---------------------------------|-------------|------------|
| NO. OF<br>PIECES                                                                                                                                                                                                                                                                                                       | DESCRIPTION | SEM. PRO/SEQ. NO | INT. MAT/SEQ. NO. | FINAL MATERIAL | SCRAP<br>SORT                               | NET<br>WT.(KG) | GROSS<br>WT.(KG)                | DRAWING NO. | ITEM<br>NO |
| <b>BHARAT HEAVY ELECTRICALS LTD.,</b><br><b>BOILER PLANT UNIT, TIRUCHIRAPALLI-14</b>                                                                                                                                                                                                                                   |             |                  |                   |                |                                             |                |                                 |             |            |
| FIRST ANGLE                                                                                                                                                                                                                                                                                                            | SCALE       | DRAWN            | E.C.D.I.D.        |                | TOTAL NET WT.(KG)                           |                |                                 |             |            |
| CHECKED                                                                                                                                                                                                                                                                                                                | NTS         | CHECKED          | R.L. Q.A.F.       |                | TYPE                                        |                |                                 |             |            |
| APPROVED                                                                                                                                                                                                                                                                                                               |             | APPROVED         | M.R.K. M.         |                |                                             |                |                                 |             |            |
| ALL DIMENSIONS IN MILLIMETRES                                                                                                                                                                                                                                                                                          |             |                  |                   | DATE           | 14/12/24                                    |                | NEW / OLD DRG. NO. 2-SH.BW. 023 |             |            |
| <b>CAUTION</b><br>THE INFORMATION CONTAINED IN THIS<br>DRAWING IS THE PROPERTY OF<br>BHARAT HEAVY ELECTRICALS LTD.,<br>BOILER PLANT UNIT, TIRUCHY-14<br>AND SHALL NOT BE USED WITHOUT THEIR<br>EXPRESS WRITTEN PERMISSION IN ANY<br>FORM OR PART THEREOF FOR ANY OTHER<br>PURPOSE THAN FOR WHICH IT IS SENT<br>TO YOU. |             |                  |                   |                | <b>TITLE</b><br><b>PACKING BOX (VALVES)</b> |                |                                 |             |            |
| <b>DRAWING NO.</b><br>2 - V - 0000 - 05780                                                                                                                                                                                                                                                                             |             |                  |                   |                | <b>REVISION</b><br>0                        |                |                                 |             |            |

| ITEM<br>No | TYPE           | DIMENSIONS |      |      | COMP. CODE   | APROX. LOAD<br>TO BE CARRIED |
|------------|----------------|------------|------|------|--------------|------------------------------|
|            |                | L          | W    | H    |              |                              |
| 296        | BOX TYPE NO-51 | 2775       | 850  | 680  | 200150920000 | 850 KG                       |
| 297        | BOX TYPE NO-52 | 2000       | 950  | 740  | 200151000000 | 1000 KG                      |
| 298        | BOX TYPE NO-53 | 1600       | 1120 | 700  | 200151010000 | 650 KG                       |
| 299        | BOX TYPE NO-54 | 2500       | 2000 | 1200 | 200151060000 | 2000 KG                      |
| 300        | BOX TYPE NO-55 | 2900       | 1900 | 1400 | 200151070000 | 2000 KG                      |

1077-082

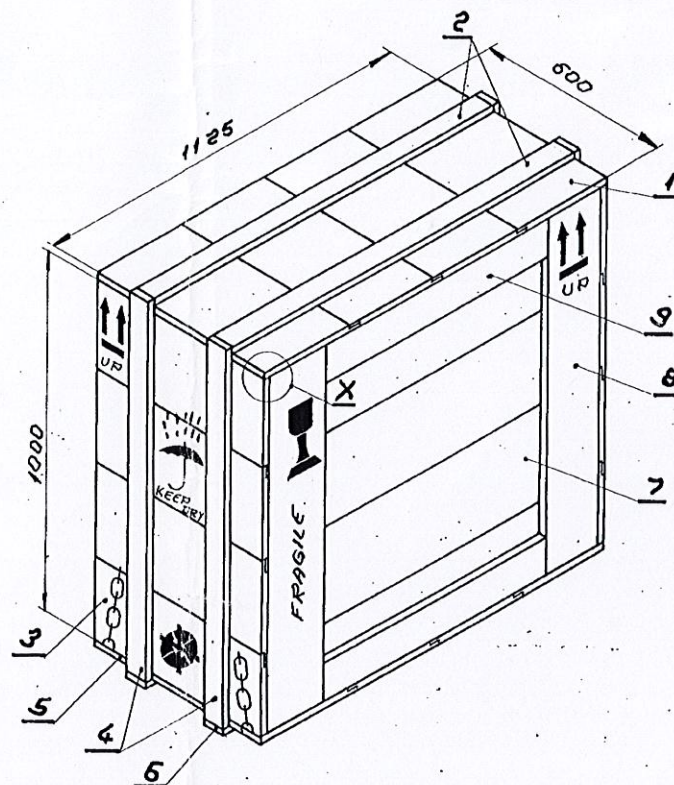
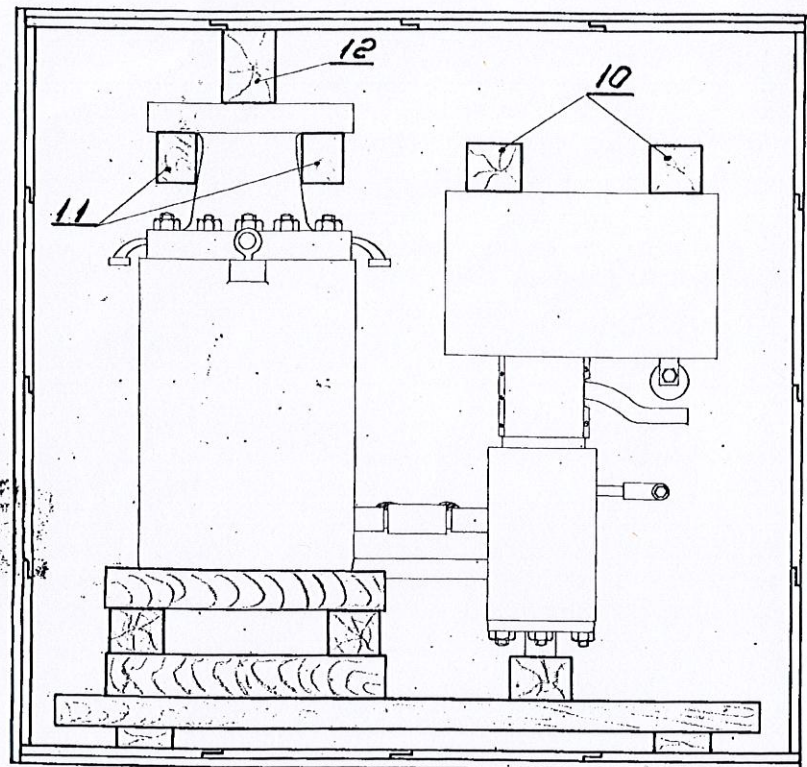
1. THE INSIDE OF ALL SIDES EXCEPT BOTTOM AND TOP SIDE SHALL BE FULLY COVERED BY A SINGLE BITUMINISED PAPER AND SUITABLY FIXED. THE INSIDE OF TOP SIDE SHALL BE FIXED WITH BITUMINISED PAPER AND POLYETHYLENE SHEET. THE POLYETHYLENE SHEET SHALL BE PROJECTING 50 MM ON ALL SIDES. AFTER PUTTING THE TOP FOR CLOSING THE CASE, THE PROJECTING POLYETHYLENE SHALL BE SUITABLY TACKED INSIDE SO AS TO PREVENT DIRECT ACCESS OF WATER FROM THE TOP OF THE CASE.
2. TO INDICATE TOP SIDE OF BOX PAINT SUITABLY BY MARKING. (PREFERABLY BY UMBRELLA MARKING (6"x6") ON ALL 4 SIDES OF THE BOX.
3. CORNER STRAPPING SHALL BE USED ON ALL CORNERS. STRAPS SHALL NOT BE LESS THAN 20 MM WIDE AND 0.8 MM THICK. STRAPS MAY BE PRE PUNCHED OR DRILLED.
4. THE NUMBER AND WIDTH OF THE SIDE AND END BOARDS SHALL BE DECIDED DEPENDING UPON THE HEIGHTS.
5. COMPONENTS LIKE SLIP, TUBING HANGER, FASTENERS, RJ GASKETS, PR. GAUGES, ETC. ARE TO BE PACKED SEPARATELY IN A BOX AND PLACED INSIDE THE MAIN BOX.
6. SECURE THE ASSEMBLIES WITH ENOUGH SIDE SUPPORTS TO AVOID MOVEMENTS OF ASSEMBLIES DURING TRANSIT AND ALSO SECURE SUITABLY TO AVOID VERTICAL MOVEMENT.

[illegible]

|                                       |              |                                       |                          |                 |  |
|---------------------------------------|--------------|---------------------------------------|--------------------------|-----------------|--|
| <b>BHARAT HEAVY ELECTRICALS LTD.,</b> |              |                                       |                          |                 |  |
| <b>BOILER PLANT UNIT,</b>             |              |                                       | <b>TIRUCHIRAPALLI-14</b> |                 |  |
| <b>FIRST ANGLE</b>                    | <b>SCALE</b> | <b>DRAWN</b>                          | <b>TOTAL NET WT.(KG)</b> |                 |  |
|                                       |              | CHECKED A.                            |                          |                 |  |
|                                       |              | APPROVED                              |                          |                 |  |
| <b>ALL DIMENSIONS IN MILLIMETRES</b>  |              | <b>DATE</b>                           | <b>NEW /OLD DRG. NO.</b> |                 |  |
|                                       |              | <b>TITLE FOR OIL FIELD EQUIPMENTS</b> |                          |                 |  |
|                                       |              | <b>PACKING BOX</b>                    |                          |                 |  |
|                                       |              | <b>DRAWING NO.</b>                    |                          | <b>REVISION</b> |  |
|                                       |              | 2-V-4600-03636                        |                          | 08              |  |

FIRST ANGLE PROJECTION (ALL DIMENSIONS IN MILLIMETRES)

2-V-7503-10122  
DRAWING NO.



### NOTES:-

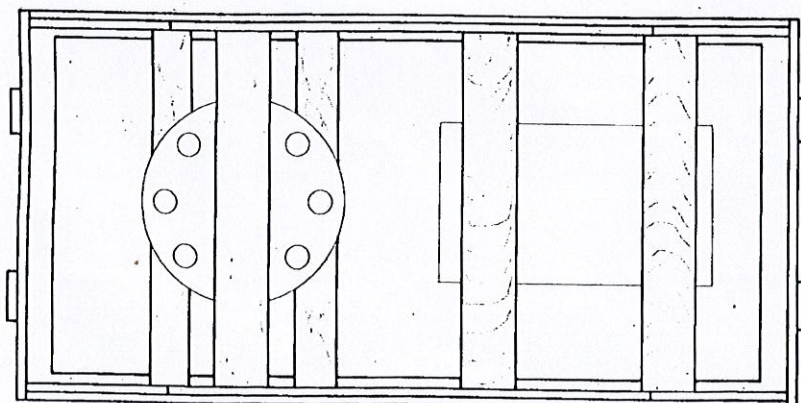
1. THE INSIDE OF ALL SIDES EXCEPT BOTTOM & TOP SIDE SHALL BE FULLY COVERED BY A SINGLE BITUMINISED PAPER AND SUITABLY FIXED. THE INSIDE OF TOP SIDE SHALL BE FIXED WITH BITUMINISED PAPER AND POLY ETHYLENE SHEET. THE POLY ETHYLENE SHEET SHALL BE PROJECTING 50mm ON ALL SIDES. AFTER PUTTING THE TOP FOR CLOSING THE CASE, THE PROJECTING POLY ETHYLENE SHALL BE SUITABLY TACKED INSIDE SO AS TO PREVENT DIRECT ACCESS OF WATER FROM THE TOP OF THE CASE.
2. THE VALVE ALONG WITH CRADLE ASSEMBLY SHALL BE COVERED BY A POLYETHYLENE SHEET AND THEN PLACED INSIDE THE BOX.
3. PAINT MARKINGS AS SHOWN IN DRG ON ALL SIDES OF BOX.
4. WOOD MATERIALS SHALL BE AS PER BIS-015501 OR IS-1503-1967.
5. CORNER STRAPPING SHALL BE USED ON ALL CORNERS. STRAPS SHALL NOT BE LESS THAN 20 mm WIDE AND 0.8 mm THICK. STRAPS MAY BE PRE BUNCHED OR DRILLED.

1. TOP BOARD - 25 THICK
2. TOP GIRTH BATTENS - 75 WIDTH X 40 THICK (EQUALLY SPACED)
3. SIDE BOARD - 25 THICK
4. SIDE GIRTH BATTENS - 75 WIDTH X 40 THICK
5. BOTTOM BOARD - 25 THICK
6. BOTTOM GIRTH BATTENS - 75 WIDTH X 75 THICK
7. END BOARD - 25 THICK
8. END VERTICAL BATTENS - 75 WIDTH X 40 THICK
9. END HORIZONTAL BATTENS - 75 WIDTH X 40 THICK
10. PLANK SIZE 75 X 75 X 470
11. PLANK SIZE 50 X 75 X 470
12. PLANK SIZE 70 X 120 X 470

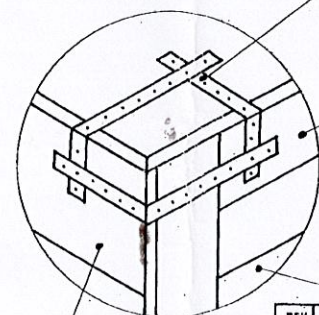
NOTE: THE NUMBER AND WIDTH OF THE SIDE & END BOARDS BE DECIDED DEPENDING UPON THE HEIGHT.

This drawing is pertaining to TYPE 62 BOX

K. Rathnasekar  
Senior Manager  
MM/Stores/ INPL. & CNS  
BHEL, Tiruchy - 14.



CORNER STRAPPING (NOTE-5)



DETAIL - X

| VARIANT NO. | ITEM NO. | DESCRIPTION | STD. | DRAWING NO. | ITEM NO. | MATL CODE | A | UNIT | UNIT WT | QTY | ZONE |
|-------------|----------|-------------|------|-------------|----------|-----------|---|------|---------|-----|------|
|             |          |             |      |             | VAR NO.  | MATL SPEC | C |      |         |     |      |

TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT



Bharat Heavy Electricals Ltd.,  
BOILER PLANT UNIT  
TIRUCHIRAPALLI-620 014

DRN K.P. LEON  
CHD V. PERUMAL  
APPD J. ARUNAN

DEPT  
CODE

GRADE OF UNTOOL DIM C/M/F  
SCALE

WEIGHT (kg)

TITLE  
PACKING BOX FOR ERV  
1538 VV

CARD CODE  
DRAWING NO.  
2-V-7503-10122

PACKING CRADLE DRG No  
3-V-7503-10463

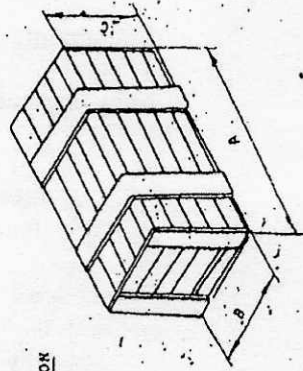
B/400-B-HS-E

02 100MM X 30MM

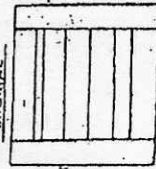
01 150MM X 25MM



TOP & BASE  
(2 NOS.)

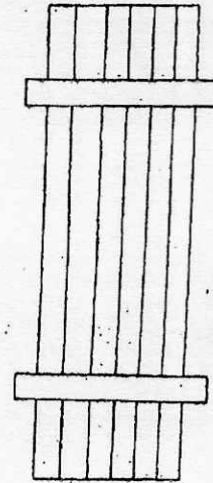


DETAILS OF ALL SIDES PROTECTION



150MM X 25MM

ENDS  
(2 NOS.)



SIDES  
(2 NOS.)

| TYPE NO. | DIMENSIONS (MM) |     |     |
|----------|-----------------|-----|-----|
|          | A               | B   | C   |
| 1144     | 1100            | 400 | 400 |
| 1122     | 1100            | 200 | 200 |
| 634      | 600             | 500 | 400 |
| 633      | 600             | 300 | 300 |
| 1133     | 1100            | 300 | 300 |
| 1155     | 1100            | 500 | 500 |

| ITEM NO. | DESCRIPTION | DRAWING NO. |
|----------|-------------|-------------|
| 03       | NAILS       | 2 1/2 - 106 |
| 02       | BATONS      | 100 X 30    |
| 01       | PLANKS      | 25 X 150    |

PRINT ISSUED

TYPE OF PRODUCT TYPE 1144 1100 X 400 X 400MM  
OR NAME OF 1122 1100 X 200 X 200 MM  
CUSTOMER/PROJECT 634 600 X 500 X 400 MM  
633 600 X 300 X 300 MM

**BHARAT HEAVY ELECTRICALS LTD.**  
CHD: BICE PRESSURE BOILER PLANT  
CHD: THERMOVALVE-BOILER

DATE 10/10/84  
SIGN  
CHKD T. KULLAYACHARI  
APPD P. PRAKASH  
ADJ. TO ASST. GEN. MGR.

WEIGHT (KGS.)  
SCALE  
C / M / F

TITLE  
BOILER COMPONENT  
PACKING BOXES

DRAWING NO. 3 SH-B-004/B

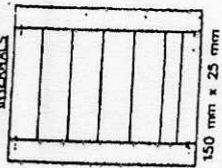
CHD CODE U 01

INT 01

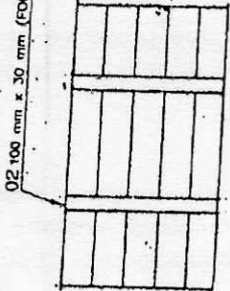
Sheet No.

DRAWING NO.  
3-SH-B-004/C

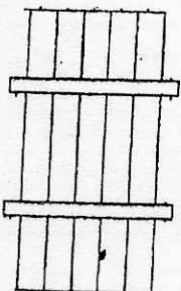
DETAIL OF ALL SIDES PROJECTION  
INTERIORS



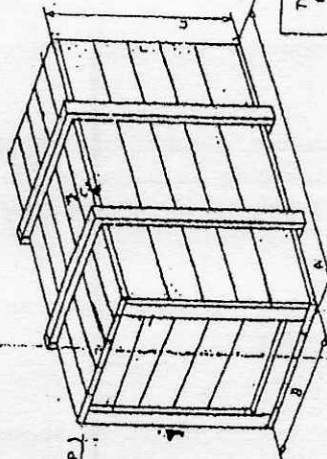
ENDS  
2 Nos.



TOP & BASE  
2 No.



SIDES  
2 Nos.



PRINTED BY  
ORIGIN: GREEN COLOUR

| TYPE No. | DIMENSIONS (mm) |      |     |
|----------|-----------------|------|-----|
|          | A               | B    | C   |
| 654      | 600             | 500  | 400 |
| 10105    | 1050            | 1050 | 500 |

| ITEM NO. | DESCRIPTION            | QTY | DRAWING NUMBER | UNIT WEIGHT | QUANTITY |
|----------|------------------------|-----|----------------|-------------|----------|
| 01.      | NAILS<br>2 1/2" - 10 C |     |                |             |          |
| 02.      | BATTENS<br>100 x 30    |     |                |             |          |
| 03.      | BLANKS<br>25 x 150     |     |                |             |          |

TYPE OF PRODUCT TYPE: 654, 500x300x400  
OR NAME OF CUSTOMER/PROJECT: 10105, 1050x1050x500

Bharat Heavy Electricals Ltd  
UNIT: HIGH PRESSURE BOILER PLANT  
TRICHIRAPALLI - 620014

300-004

REV DATE ALTERED: CID & APPD:

REV 01

BOILER COMPONENT  
PACKING BOXES

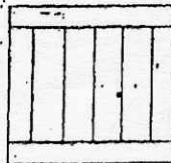
DRAWING NO: 3-SH-B-004/C

REV C

3-SH-B-005

DETAIL OF ALL SIDES PROJECTION

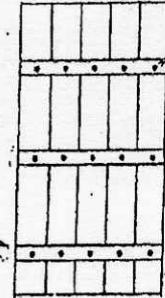
INTERNAL



150 mm x 25 mm

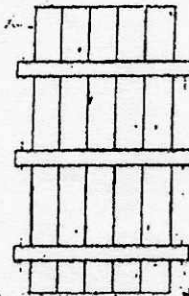
ENDS  
2 Nos.

02 100 mm x 30 mm (FOR TOP)  
100 mm x 50 mm (FOR BOTTOM)



TOP & BASE

2 Nos.



SIDES

2 Nos.

PRINTED BY

| TYPE No. | DIMENS. (mm) |     |      |
|----------|--------------|-----|------|
|          | A            | B   | C    |
| 15910    | 1600         | 900 | 1000 |

| ITEM NO. | DESCRIPTION                    | DRAWING NUMBER | UNIT WEIGHT | QUANTITY |
|----------|--------------------------------|----------------|-------------|----------|
| 03.      | NAILS<br>2 1/2" - 3 1/2"       |                |             |          |
| 02.      | BATTENS<br>100 x 30 / 100 x 50 |                |             |          |
| 01.      | BLANKS<br>25 x 150             |                |             |          |

TYPE OF PRODUCT : TYPE 15910 - 1600 x 900 x 1000

CUSTOMER/PROJECT : Bharat Heavy Electricals Ltd  
UNIT: HIGH PRESSURE BOILER PLANT  
TRUCHIRAPALLI - 620014

DATE : 01/01/00

REVISION : 01

DATE : 01/01/00

BY : [Signature]

CHECKED : [Signature]

APPROVED : [Signature]

SCALE : 1:1

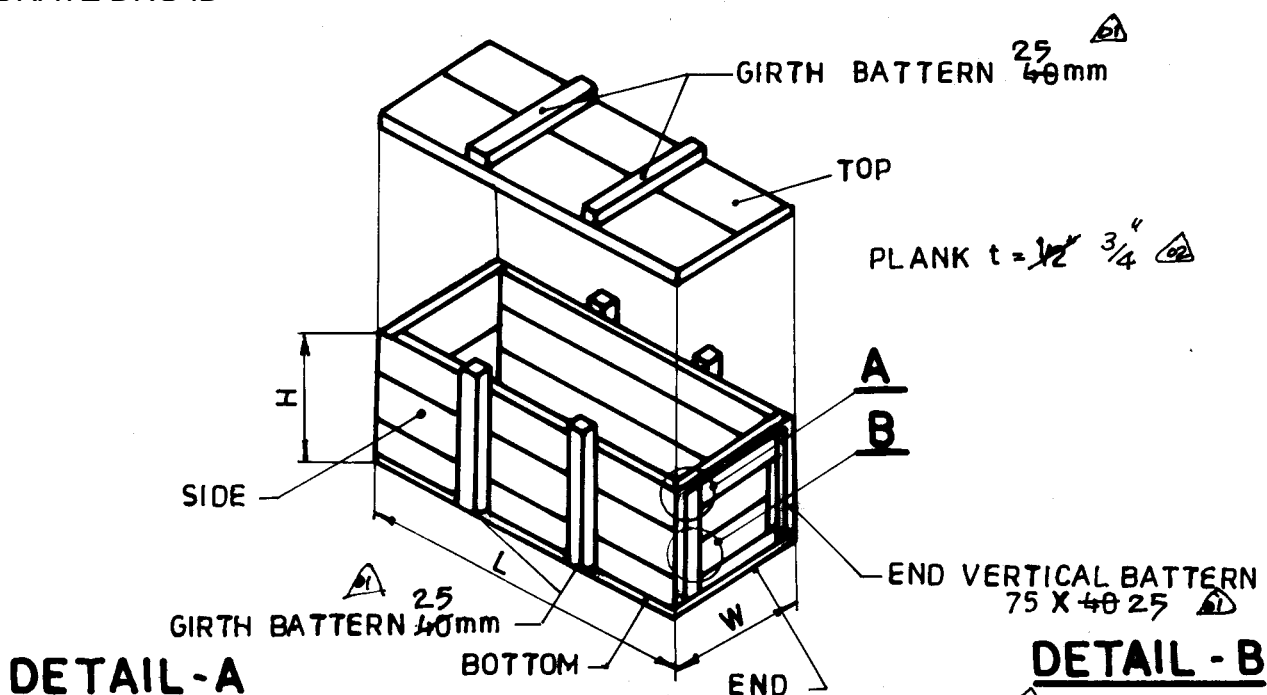
PROJECTION : [Symbol]

WEIGHT (Kg) : 1600 x 900 x 1000

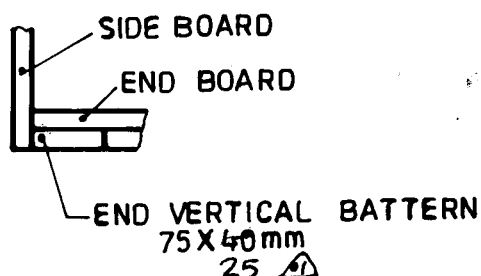
TITLE : BOILER COMPONENT  
BUTTON BOXES

DRAWING NO. : 3-SH-B-005

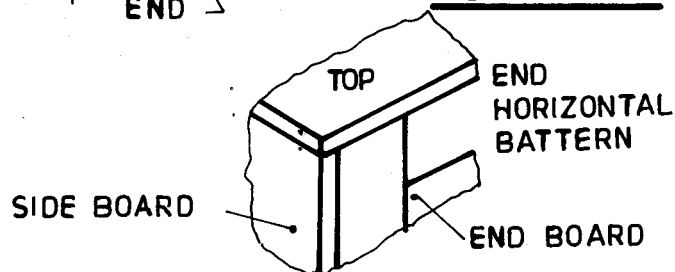
REV : 01



**DETAIL - A**



**DETAIL - B**



| TYPE NO. | L   | W   | H   |  |
|----------|-----|-----|-----|--|
| 1A       | 320 | 250 | 260 |  |
| 1        | 320 | 250 | 430 |  |
| 2        | 430 | 370 | 430 |  |

**NOTES:-**

1. ALL DIMENSIONS ARE IN MM.
2. L, W, H ARE INNER DIMENSIONS OF THE BOX.
3. FOR TYPE NO 1A & 1 END VERTICAL BATTEN SHALL BE FLUSH ON BOTH ENDS WITH HARD BOARD TO WRITE THE DESPATCH DETAILS.



|                     |                   |                           |                |                   |                     |                |                  |                  |             |
|---------------------|-------------------|---------------------------|----------------|-------------------|---------------------|----------------|------------------|------------------|-------------|
| NO. OF<br>PIECES    | NAME - DIMENSIONS | SEMI - PRODUCT            | FINAL MATERIAL | INITIAL MATERIAL  | SCRAP<br>SORT       | NET<br>Wt (kg) | GROSS<br>Wt (kg) | DRAWING NO.      | TYPE<br>NO. |
| REMARKS             |                   |                           |                | TOTAL NET WT (kg) |                     |                |                  |                  |             |
| SCALE               | DRAWN             | R.N. R. NATRAJAN 24/10/92 |                |                   | ALTERATIONS         | DATE           | SIGNATURE        | ALTERATION INDEX |             |
|                     | CHECKED           | K.S.S. 24/10/92           |                |                   | 40mm To 25mm        | 26.9.94        |                  | 01               |             |
|                     | APPROVED          | D.K. 26.10.92             |                |                   | PLANK 3/4" WAS 1/2" | 01.12.95       |                  | 02               |             |
|                     | STDS. OFFICER     |                           |                |                   | NOTE 3 ADDED.       |                |                  |                  |             |
|                     | DATE              |                           |                |                   |                     |                |                  |                  |             |
| TYPE                |                   |                           |                | GROUP             |                     | OLD DRG.       |                  | NEW DRG.         |             |
| TITLE               |                   |                           |                |                   |                     | DRAWING NO.    |                  |                  |             |
| WOODEN PACKING CASE |                   |                           |                |                   |                     | 4-V-4000-07183 |                  | 02               |             |



20-SPM-SH-00003  
DRAWING NO.

ALL DIMENSIONS ARE IN MILLIMETRES

| TYPE | DIMENSIONS |     |     | RE MARKS                                                                                                                                                 |
|------|------------|-----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | A          | B   | C   |                                                                                                                                                          |
| SPQ  | 710        | 630 | 600 | 1. ALL THE PLANKS ARE TO BE OF GIVEN THICKNESS ONLY, WIDTH OF PLANK 200 MM (MINIMUM)<br>2. BOTTOM 2 RUNNERS. THICKNESS MINIMUM 50 MM 50 MM THICK MINIMUM |
| SPR  | 850        | 630 | 670 |                                                                                                                                                          |
| SPS  | 1000       | 770 | 670 |                                                                                                                                                          |
| SPP  | 600        | 500 | 400 |                                                                                                                                                          |

APPROVED

23/4/03

Sr. Mgr / SHIPPING / SB

# NOTES:-

1. SOFT WOOD PLANKS 25
2. END TRAVERS BAR 70X70
3. DIAGONAL BRACE 80 X 30
4. SOFT WOOD BATTERNS 80 X 30
5. RUNNER 100 X 100MM
6. RESTING BEAM 100 X 50 MM.
7. SLING PLATE TO DRG. NO. 40-SPM-SH-00007.
8. SIDE PLATE TO DRG. NO. 40-SPM-SH-00006.
9. THE INSIDE OF ALL SIDES EXCEPT BOTTOM SHALL BE FULLY CURVED BY POLYETHYLENE SHEET SO AS TO AVOID ENTRY OF RAIN WATER.

ALL DIMENSIONS ARE IN MM.

A = LENGTH  
B = BREADTH  
C = HEIGHT

| VAR NO. | ITEM NO. | DESCRIPTION                                              | SIZE/DRAWING NO. | ITEM NO. VAR NO. | MATL CODE | MATL SPECN | UNIT | UNIT WT. | QTY. | G.S. | ZONE |
|---------|----------|----------------------------------------------------------|------------------|------------------|-----------|------------|------|----------|------|------|------|
|         | 10       | BOLT AND NUT                                             | M12              |                  |           |            |      |          |      |      |      |
|         | 09       | POLYETHYLENE (BLUE) SHEET                                |                  |                  |           |            |      |          |      |      |      |
|         | 08       | SIDE PLATE                                               | 40-SPM-SH-00006  |                  |           |            |      |          |      |      |      |
|         | 07       | SLING PLATE                                              | 40-SPM-SH-00007  |                  |           |            |      |          |      |      |      |
|         | 06       | RESTING BOARD                                            | 100X40           |                  |           |            |      |          |      |      |      |
|         | 05       | RUNNER                                                   | 100 X 100        |                  |           |            |      |          |      |      |      |
|         | 04       | LATERAL PANEL & END PANEL, HORIZONTAL & VERTICAL SUPPORT | 100 X 30         |                  |           |            |      |          |      |      |      |
|         | 03       | DIAGONAL BRACE                                           | 80 X 30          |                  |           |            |      |          |      |      |      |
|         | 02       | END TRAVERSE BAR                                         | 70X70            |                  |           |            |      |          |      |      |      |
|         | 01       | SHEETHING PLANK                                          | 150 X 25         |                  |           |            |      |          |      |      |      |

|                                                                                                                                                                                              |  |                                             |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------|--|
| CAUTION: The information on this document is the property of BHARAT HEAVY ELECTRICALS LTD. It must not be used directly or indirectly in any way detrimental to the interest of the company. |  | TYPE OF PRODUCT OR NAME OF CUSTOMER/PROJECT |  |
| 05-228/D                                                                                                                                                                                     |  | BHARAT HEAVY ELECTRICALS LTD.               |  |
| UNIT: HIGH PRESSURE BOILER PLANT. TIRUCHIRAPALLI-620014.                                                                                                                                     |  | DRN INDCO SERVE                             |  |
| CHD D. JAYA BALAN                                                                                                                                                                            |  | SIGN DATE 10.06.95 NO. OF VAR.              |  |
| APPD P. P. SELVAM                                                                                                                                                                            |  | 10.06.95                                    |  |
| DEPT GRADE OF UNTOLDIM                                                                                                                                                                       |  | SCALE WEIGHT (KG).                          |  |
| CODE C / M / F                                                                                                                                                                               |  | REF. TO ASSY/OLD DRG.                       |  |
| TITLE                                                                                                                                                                                        |  | ITEM NO. NO. OF ITEMS                       |  |
| BOILER COMPONENT (SPARES) PACKING BOX                                                                                                                                                        |  | 2-SH-BW-022                                 |  |
| CARD CODE                                                                                                                                                                                    |  | DRAWING NO.                                 |  |
| U 01                                                                                                                                                                                         |  | 20-SPM-SH-00003 01                          |  |
| REV                                                                                                                                                                                          |  | REV                                         |  |

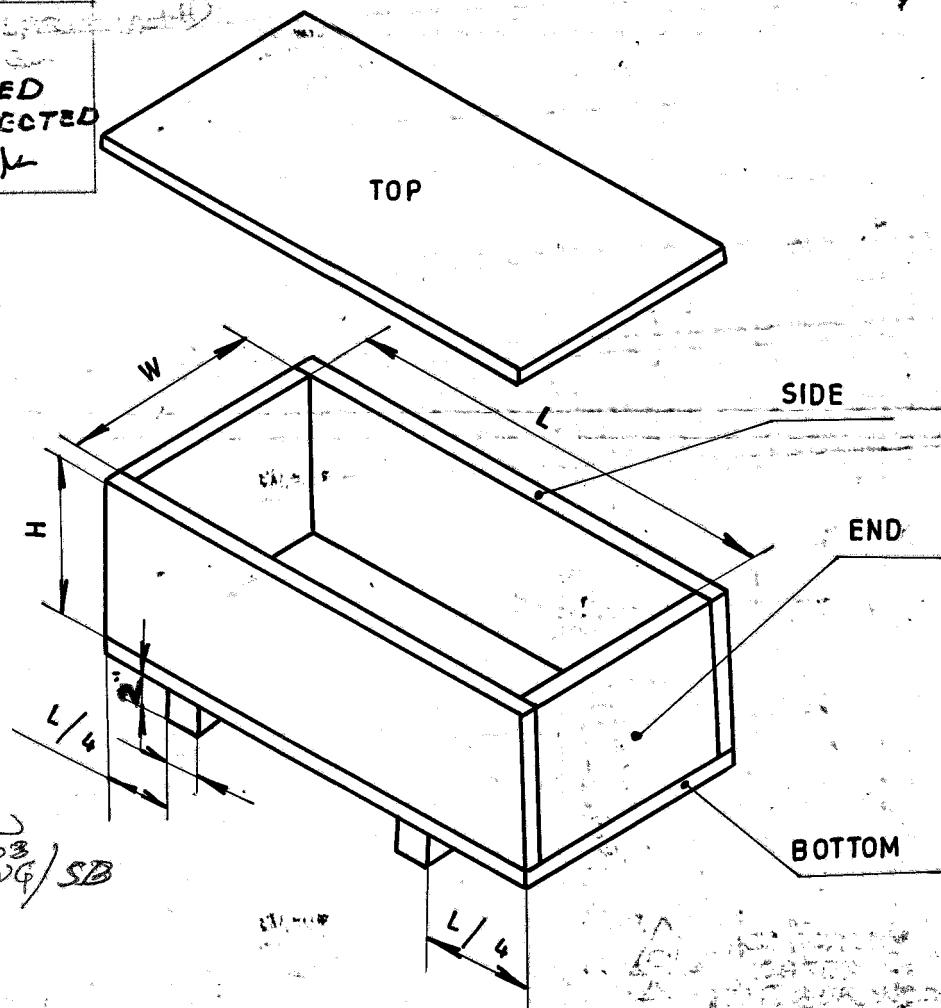
| REV  | DATE         | ALTERED | SVS |
|------|--------------|---------|-----|
| 01   | 17.06.95     | CHECKED |     |
| ZONE | SPP INCLUDED |         |     |

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|     |      |         |
|-----|------|---------|
| REV | DATE | ALTERED |
|     |      | CHECKED |

ALL DIMENSIONS ARE IN MILLIMETRES

01.170696-SPY INCLUDED  
- MATL CORRECTED



APPROVED

23/4/03  
Sr Mgr / SHIPPING / SB

| TYPE NO. | INTERNAL DIMENSIONS |                    |                    |
|----------|---------------------|--------------------|--------------------|
|          | L                   | W                  | H                  |
| SPA      | 800                 | <del>200</del> 200 | <del>200</del> 200 |
| SPB      | 1500                | <del>200</del> 200 | <del>200</del> 200 |
| SPC      | 2000                | <del>200</del> 200 | <del>200</del> 200 |
| SPD      | 1100                | <del>200</del> 200 | <del>200</del> 200 |
| SPE      | 200                 | 200                | 200                |
| SPY      | 450                 | 200                | 200                |

PLANK THICKNESS (t) = 25 mm

LUG SIZE = 30 mm X 30 mm

WIDTH OF PLANK  
MINIMUM 200 mm EACH  
HEIGHT MINIMUM 200 mm

|         |             |     |             |   |      |          |  |  |  |
|---------|-------------|-----|-------------|---|------|----------|--|--|--|
|         |             |     |             |   |      |          |  |  |  |
|         |             |     |             |   |      |          |  |  |  |
| VAR NO. | DESCRIPTION | STD | MATL CODE   | A | UNIT | UNIT WT. |  |  |  |
|         |             |     | MATL SPECN. | C | DI   | QTY      |  |  |  |



BHARAT HEAVY ELECTRICALS LTD.,  
UNIT: HIGH PRESSURE BOILER PLANT,  
TIRUCHIRAPALLI 620014.

| DRN  | NAME        | SIGN | DATE     | NO. OF VAR |
|------|-------------|------|----------|------------|
| CHD  | D-JAYABALAN |      | 10-06-95 |            |
| APPD | P.P. SELVAM |      | 10-06-95 |            |

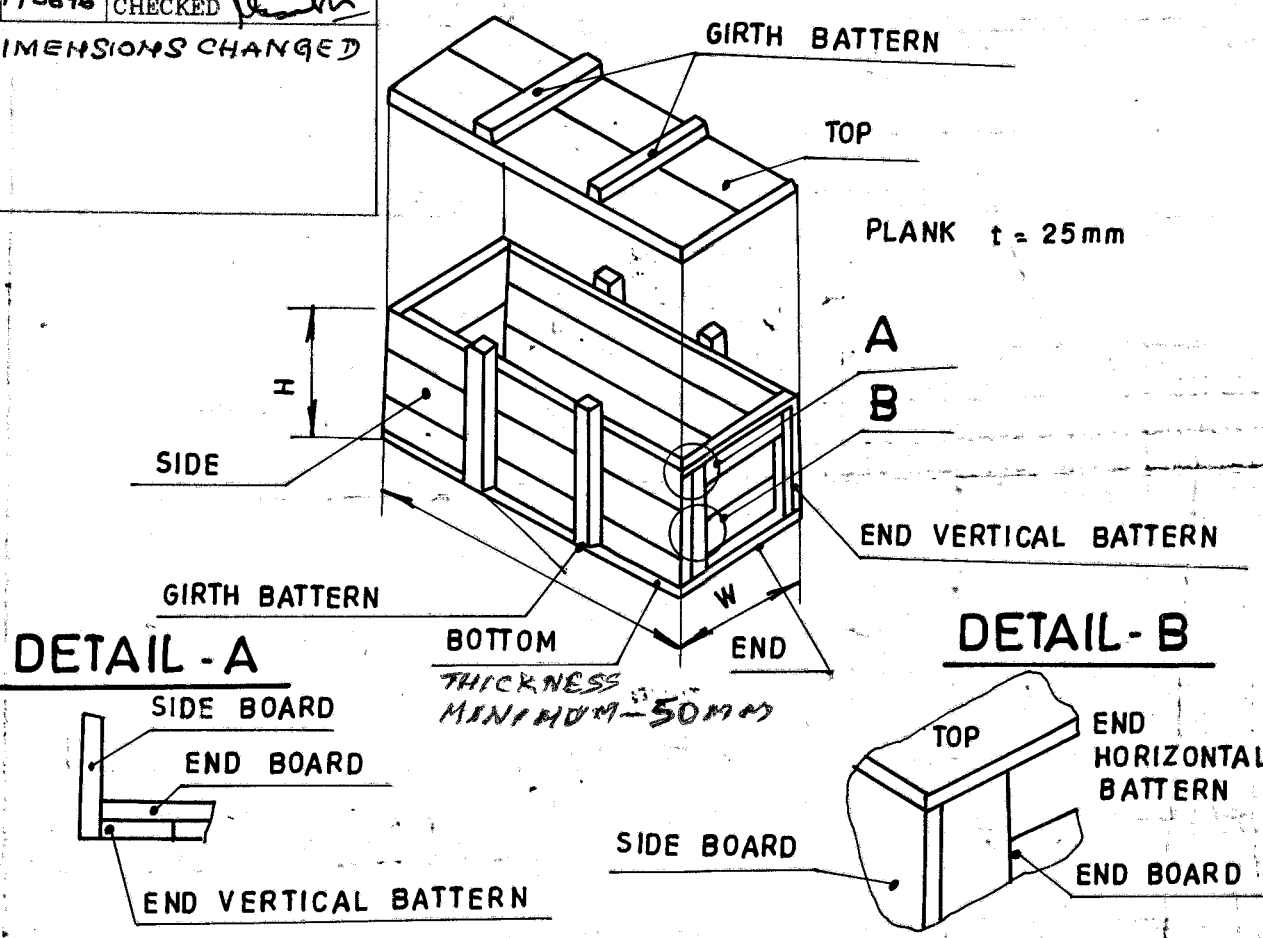
| DEPT                                          | VL  | GRADE OF UNTOLD DIM | SCALE | WEIGHT (KG) | REF. TO ASSY. / OLD DRG. | ITEM NO. | NO. OF ITEMS |
|-----------------------------------------------|-----|---------------------|-------|-------------|--------------------------|----------|--------------|
| CODE                                          | 320 | C / M / F           | N.T.S | -           | 4V.MISC-90547            |          |              |
| TITLE                                         |     |                     |       | CARD CODE   | DRAWING NO.              | REV      |              |
| WOODEN BOX<br>( FOR STEM & SMALL COMPONENTS ) |     |                     |       | U 01        | 40-SPM-SH-00001          | 01       |              |

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|     |          |         |                    |
|-----|----------|---------|--------------------|
| REV | DATE     | ALTERED | SVS                |
| 01  | 17-06-96 | CHECKED | <i>[Signature]</i> |

DIMENSIONS CHANGED

ALL DIMENSIONS ARE IN MILLIMETRES



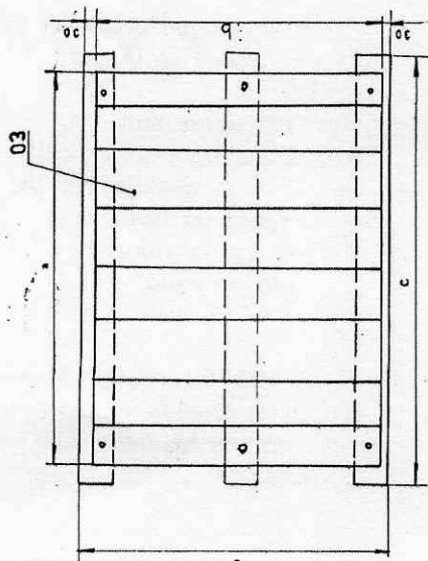
NOTES:

- 1. L X W X H ARE INNER DIMNS. OF THE BOX.
- 2. GIRTH BATTERNS: ADDL. 2 NOS. FOR BOXES EXCEEDING LENGTH 1000 mm & UPTO 2000 mm.
- 3. GIRTH BATTERNS: ADDL. 3 NOS. FOR BOXES EXCEEDING 2000MM LENGTH.
- 4. BOTTOM RUNNER MINIMUM THICKNESS - 50 mm
- 5. MINIMUM WIDTH OF PLANK - 200 EACH ONLY.

| TYPE NO. | INTERNAL DIMNS.      |     |     | BATTERNS | MAX. NO OF PLANKS EACH SIDE |
|----------|----------------------|-----|-----|----------|-----------------------------|
|          | L                    | W   | H   |          |                             |
| SPF      | 320                  | 250 | 260 | 75 X 25  | 2                           |
| SPG      | 320                  | 250 | 430 | 75 X 25  | 2                           |
| SPH      | 430                  | 370 | 430 | 75 X 25  | 2                           |
| SPI      | 1100                 | 400 | 400 | 100 X 25 | 2                           |
| SPJ      | <del>1000</del> 1500 | 500 | 400 | 150 X 25 | 2                           |
| SPK      | 2000                 | 500 | 400 | 150 X 25 | 2                           |
| SPL      | 2500                 | 400 | 400 | 150 X 25 | 2                           |
| SPM      | 1600                 | 450 | 450 | 150 X 30 | 2                           |
| SPN      | 3000                 | 400 | 400 | 150 X 30 | 2                           |
| SPO      | 2500                 | 600 | 500 | 150 X 30 | 3                           |

|            |                    |                                   |                            |                          |                 |                    |          |              |
|------------|--------------------|-----------------------------------|----------------------------|--------------------------|-----------------|--------------------|----------|--------------|
|            |                    | BHARAT HEAVY ELECTRICALS LTD.     |                            | DRN                      | NAME            | SIGN               | DATE     | NO. OF VAR   |
|            |                    | UNIT: HIGH PRESSURE BOILER PLANT. |                            | CHD                      | D-JAYABALAN     | <i>[Signature]</i> | 10-06-95 |              |
|            |                    | TIRUCHIRAPALLI 620014.            |                            | APPD                     | P.P. SELVAM     | <i>[Signature]</i> | 10-06-95 |              |
| DEPT       | GRADE OF UNTOL DIM | SCALE                             | WEIGHT (KG).               | REF. TO ASSY. / OLD DRG. |                 | ITEM NO.           |          | NO. OF ITEMS |
| CODE       | C / M / F          |                                   |                            | 4V-4000-07183            |                 |                    |          |              |
| TITLE      |                    |                                   | APPROVED                   | CARD CODE                | DRAWING NO.     |                    | REV      |              |
| WOODEN BOX |                    |                                   | <i>[Signature]</i> 23/4/03 | U 01                     | 40-SPM-SH-00002 |                    | 01       |              |

FOR TOLERANCES OF UNTOLERANCED  
DIMENSIONS DURING MANUFACTURE  
REFER PLANT STD.NO TP 023 0299



|      | E | 150-150 | 150-150 | 200-200 | 200-200 |
|------|---|---------|---------|---------|---------|
| d    |   | 650     | 950     | 950     | 760     |
| C    |   | 1010    | 1310    | 1410    | 1610    |
| b    |   | 600     | 900     | 900     | 700     |
| n    |   | 900     | 1200    | 1300    | 1500    |
| mean |   | TYPE    | TYPE    | TYPE    | TYPE    |

|    | BASE            | RCSTING<br>BOARD                 | 710 X 100 X 50<br><sub>2</sub>   | 1010 X 100 X 50<br><sub>3</sub>  | 1010 X 100 K 50<br><sub>3</sub>  | 1010 X 100 K 50<br><sub>3</sub>    |
|----|-----------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|------------------------------------|
| 04 | BASE PLANKS     | 500 X 150 X 30<br><sub>6</sub>   | 500 X 150 X 30<br><sub>6</sub>   | 500 X 150 X 30<br><sub>5</sub>   | 900 X 150 X 30<br><sub>5</sub>   | 700 X 150 X 30<br><sub>10</sub>    |
| 03 | BASE RANNER     | 1010 X 100 X 100<br><sub>2</sub> | 1010 X 100 X 100<br><sub>2</sub> | 1310 X 100 X 100<br><sub>3</sub> | 1410 X 100 X 100<br><sub>3</sub> | 1610 X 100 X 100<br><sub>8-5</sub> |
| 02 | BASE END TRAVES | 500 X 70 X 70<br><sub>2</sub>    | 500 X 70 X 70<br><sub>2</sub>    | 900 X 70 X 70<br><sub>2</sub>    | 900 X 70 X 70<br><sub>2</sub>    | 700 X 70 X 70<br><sub>2</sub>      |
| 01 | ITEM NO         | DESCRIPTION                      | TYPE : 966                       | TYPE : 1296                      | TYPE : 1399                      | TYPE : 1577                        |

TYPE OF PRODUCT  
OR NAME OF  
CUSTOMER/PROJECT

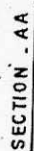
**Bharat Heavy Electricals Ltd**  
UNIT: HIGH PRESSURE BOILER PLANT  
TIRUCHIRAPALLI - 620014

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|     |      |              |
|-----|------|--------------|
| REV | DATE | ALTERED :    |
| 01  |      | CHO & APPD : |

BASE SHOOK

DRAWING NO. :  
2 SH B 001 A/B

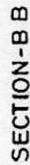


| ITEM NO. |                    |                |       |                |                 |                |  |  |  |
|----------|--------------------|----------------|-------|----------------|-----------------|----------------|--|--|--|
| 04       | PLANKS             | 700 X 150 X 25 | 5 + 5 | 700 X 150 X 25 | 100 X 150 X 25  | 800 X 150 X 25 |  |  |  |
| 03       | DIAGONAL BRACE     | 620 X 100 X 30 | 1 + 1 | 370 X 100 X 30 | 1060 X 100 X 30 | 780 X 100 X 30 |  |  |  |
| 02       | VERTICAL SUPPORT   | 470 X 100 X 30 | 2 + 2 | 470 X 100 X 30 | 770 X 100 X 30  | 370 X 100 X 30 |  |  |  |
| 01       | HORIZONTAL SUPPORT | 600 X 100 X 30 | 2 + 2 | 900 X 100 X 30 | 900 X 100 X 30  | 700 X 100 X 30 |  |  |  |
|          |                    |                |       | TYPE : 1266    | TYPE : 1399     | TYPE : 1572    |  |  |  |

| ITEM NO. | TYPE | 256 | TYPE 1305 | TYPE 1306 | TYPE 1577 |
|----------|------|-----|-----------|-----------|-----------|
| d.       | 700  | 700 | 1000      | 800       |           |
| c        | 660  | 960 | 960       | 760       |           |
| b        | 670  | 670 | 970       | 770       |           |
| a.       | 600  | 900 | 900       | 700       |           |

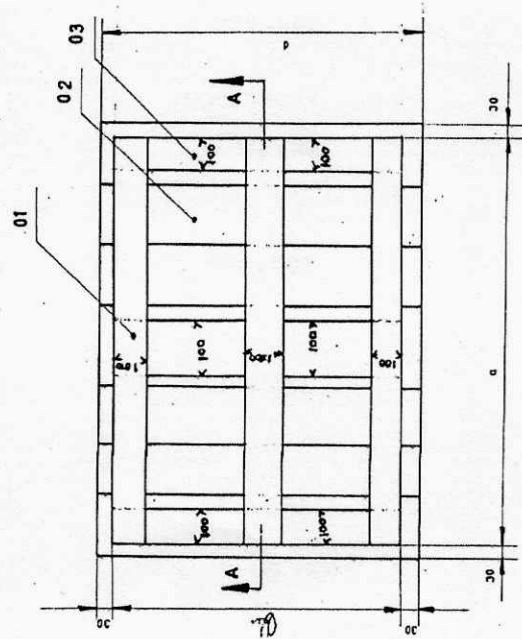
|                                                                                                                                                                                                         |      |                                                                                                  |              |                                                                                          |   |                  |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------|---|------------------|---|
| REV                                                                                                                                                                                                     | DATE | ALTERED :                                                                                        | 100 & APPD : | 5                                                                                        | 7 | 8                | 9 |
| 01                                                                                                                                                                                                      |      |                                                                                                  |              |                                                                                          |   |                  |   |
| 02                                                                                                                                                                                                      |      |                                                                                                  |              |                                                                                          |   |                  |   |
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| TYPE OF PRODUCT<br>OR NAME OF<br>CUSTOMER/PROJECT                                                                                                                                                       |      |                                                                                                  |              | Bhamat Heavy Electroids Ltd<br>UNIT: HIGH PRESSURE BOILER PLANT<br>TROCHOOPALLI - 620014 |   |                  |   |
| 70-453<br>                                                                                                           |      | PRODUCTION SCALE<br>1 : 1                                                                        |              | WEIGHT (kg)<br>1 : 1                                                                     |   | DATE<br>11/05/91 |   |
| Dwg No<br>70-453                                                                                                                                                                                        |      | ALL DIMENSIONS<br>ARE IN MM                                                                      |              | DRG NO :<br>2-SH-B.001 C/B                                                               |   | REV              |   |
| NAME<br>T. ANVIER                                                                                                                                                                                       |      | SIGNATURE<br> |              | DATE<br>11/05/91                                                                         |   | DR               |   |
| ONE<br>M. KALAMANI                                                                                                                                                                                      |      | TWO<br>P. SELLARAJUSUNNI                                                                         |              | APPD TO ASST / OLD DGD                                                                   |   | 12               |   |

FOR TOLERANCES OF UNTOLERANCE  
DIMENSIONS DURING MANUFACTURE  
REFER PLANT STD. NO. TP 023 02199



| ITEM NO | DESCRIPTION        | TYPE                  | TYPE : 1296            | TYPE : 1399            | TYPE : 1577            |
|---------|--------------------|-----------------------|------------------------|------------------------|------------------------|
| 04      | PLAKS              | 800X150 X 25<br>8+8   | 600X150X 25<br>10+10   | 1100X150 X 25<br>10+10 | 900X150 X 25<br>12+12  |
| 03      | DIAGONAL BRACE     | 580 X 100X30<br>2+2   | 690 X 100 X 30<br>2+2  | 960 X 100 X 30<br>2+2  | 860 X 100X 80<br>2+2   |
| 02      | VERTICAL SUPPORT   | 470 X 100 X 30<br>3+3 | 470 X 100 X 30<br>3+3  | 770 X 100 X 30<br>3+3  | 570 X 100 X 30<br>3+3  |
| 01      | HORIZONTAL SUPPORT | 960 X 100 X 30<br>2+2 | 1260 X 100 X 30<br>2+2 | 1360 X 100 X 30<br>2+2 | 1560 X 100 X 30<br>2+2 |

[illegible][illegible]



| ITEM NO | DESCRIPTION       | TYPE: 866            | TYPE: 1286            | TYPE: 1300            | TYPE: 1577           |
|---------|-------------------|----------------------|-----------------------|-----------------------|----------------------|
| 03      | TRAVERS BEAM      | 450 X 100 X 30<br>2  | 325 X 100 X 50<br>6   | 325 X 100 X 30<br>6   | 225 X 100 X 30<br>6  |
| 02      | PLANK             | 710 X 150 X 25<br>17 | 1010 X 150 X 25<br>10 | 1010 X 150 X 25<br>10 | 810 X 150 X 25<br>12 |
| 01      | LONGITUDINAL BEAM | 950 X 100 X 30<br>2  | 2250 X 100 X 30<br>3  | 1350 X 100 X 30<br>3  | 1550 X 100 X 30<br>3 |

[illegible]TYPE OF PRODUCT  
OR NAME OF  
CUSTOMER/PROJECT

the company may be used directly or indirectly in any way detrimental to the interest of HEAVY ELECTRICALS LTD. It must not be used in the property of BHARAT

|     |      |              |
|-----|------|--------------|
| REV | DATE | ALTERED :    |
| 01  |      | CHD & APPD : |

## TOP SHOOKS

DRAWING NO :

1-001/B

REV

DRAWING NO:  
2-SH-B-001/A

FOR TOLERANCES OF UNTOLERANCED  
DIMENSIONS DURING MANUFACTURE  
REFER PLANT STD.NO TP 023 0299

45

| DETAILS OF WOODEN BOX DIMENSIONS, WEIGHT AND VOLUME |        |                        |         |        |                         |         |        |            |
|-----------------------------------------------------|--------|------------------------|---------|--------|-------------------------|---------|--------|------------|
| BOX                                                 | BOX WT | INSIDE DIMENSION IN MM |         |        | OUTSIDE DIMENSION IN MM |         |        | VOLUM IN   |
| TYPE                                                | (KG)   | LENGTH                 | BREADTH | HEIGHT | LENGTH                  | BREADTH | HEIGHT | CUBIC Mtr. |
| 1A                                                  | 10     | 320                    | 250     | 260    | 450                     | 300     | 280    | 0.038      |
| 1                                                   | 15     | 320                    | 250     | 430    | 450                     | 370     | 580    | 0.097      |
| 2                                                   | 25     | 430                    | 370     | 430    | 570                     | 490     | 590    | 0.165      |
| 3                                                   | 65     | 670                    | 670     | 470    | 770                     | 770     | 700    | 0.415      |
| 4                                                   | 75     | 710                    | 630     | 600    | 810                     | 730     | 840    | 0.497      |
| 5                                                   | 95     | 850                    | 630     | 670    | 950                     | 730     | 900    | 0.624      |
| 6                                                   | 100    | 1000                   | 770     | 670    | 1100                    | 870     | 915    | 0.876      |
| 7                                                   | 80     | 1100                   | 430     | 670    | 1200                    | 520     | 900    | 0.562      |
| 8                                                   | 170    | 1200                   | 1200    | 900    | 1300                    | 1300    | 1150   | 1.944      |
| 10                                                  | 155    | 1300                   | 770     | 1050   | 1400                    | 860     | 1320   | 1.589      |
| 11                                                  | 225    | 2500                   | 850     | 800    | 2600                    | 950     | 1050   | 2.594      |
| 12                                                  | 305    | 2000                   | 1500    | 1200   | 2100                    | 1600    | 1400   | 4.704      |
| 14                                                  | 260    | 1850                   | 1050    | 1250   | 1950                    | 1150    | 1480   | 3.319      |
| 15                                                  | 180    | 2000                   | 800     | 800    | 2100                    | 900     | 990    | 1.871      |
| 16                                                  | 345    | 3000                   | 1050    | 1000   | 3100                    | 1220    | 1250   | 4.728      |
| 17                                                  | 470    | 2600                   | 1500    | 1600   | 2700                    | 1600    | 1830   | 7.906      |
| 29                                                  | 390    | 3600                   | 1100    | 1100   | 3700                    | 1220    | 1350   | 6.094      |
| 21                                                  | 25     | 250                    | 250     | 600    | 380                     | 380     | 770    | 0.111      |
| 22                                                  | 30     | 250                    | 250     | 880    | 380                     | 380     | 1040   | 0.150      |
| 23                                                  | 25     | 300                    | 300     | 700    | 425                     | 425     | 850    | 0.154      |
| 24                                                  | 45     | 380                    | 380     | 880    | 510                     | 510     | 1050   | 0.273      |
| 27                                                  | 80     | 570                    | 570     | 1400   | 700                     | 700     | 1560   | 0.764      |
| 28                                                  | 105    | 575                    | 575     | 1875   | 710                     | 710     | 2040   | 1.028      |
| 62                                                  | 130    | 600                    | 1125    | 1000   | 700                     | 1325    | 1200   | 1.113      |
| 63                                                  | 55     | 800                    | 370     | 750    | 900                     | 500     | 800    | 0.360      |
| 51                                                  | 260    | 2775                   | 850     | 680    | 2870                    | 950     | 950    | 2.590      |
| 52                                                  | 255    | 2000                   | 950     | 740    | 2100                    | 1050    | 1050   | 2.315      |
| 53                                                  | 220    | 1600                   | 1120    | 700    | 1700                    | 1220    | 980    | 2.033      |
| 54                                                  | 490    | 2500                   | 1900    | 1200   | 2600                    | 2000    | 1450   | 7.540      |
| 55                                                  | 525    | 2900                   | 1900    | 1400   | 3000                    | 2000    | 1650   | 9.900      |
| 56                                                  | 370    | 3000                   | 1000    | 900    | 3100                    | 1100    | 1200   | 4.092      |
| 57                                                  | 450    | 3200                   | 2200    | 850    | 3300                    | 2300    | 1100   | 8.349      |
| 58                                                  | 325    | 2200                   | 1100    | 750    | 2300                    | 1200    | 1050   | 2.898      |
| 60                                                  | 485    | 2300                   | 2200    | 1200   | 2350                    | 2300    | 1500   | 8.108      |
| 61                                                  |        | 675                    | 675     | 2000   |                         |         |        |            |
| 304 MM=1 FEET                                       |        |                        |         |        |                         |         |        |            |



# भारत का राजपत्र The Gazette of India

सी.जी.-डी.एल.-अ.-26062020-220191  
CG-DL-E-26062020-220191

असाधारण  
EXTRAORDINARY  
भाग II—खण्ड 3—उप-खण्ड (ii)  
PART II—Section 3—Sub-section (ii)  
प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं. 1875]  
No. 1875]

नई दिल्ली, शुक्रवार, जून 26, 2020/आषाढ 5, 1942  
NEW DELHI, FRIDAY, JUNE 26, 2020/ASADHA 5, 1942

सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय

अधिसूचना

नई दिल्ली, 26 जून, 2020

**का.आ. 2119(अ).**—केन्द्रीय सरकार, सूक्ष्म, लघु और मध्यम उद्यम विकास अधिनियम, 2006 (2006 का 27), जिसे इसमें इसके पश्चात् उक्त अधिनियम कहा गया है, की धारा 7 की उप-धारा (9) के साथ पठित उप-धारा (1) और धारा 8 की उप-धारा (3) के साथ पठित उप-धारा (2) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए और भारत के राजपत्र, असाधारण, भाग II, खंड 3, उप-खंड (ii) में प्रकाशित भारत सरकार के सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय की अधिसूचना सं. का.आ.1702(अ), तारीख 1 जून, 2020, का.आ.2052(अ), तारीख 30 जून, 2017, का.आ. 3322(अ), तारीख 1 नवम्बर, 2013 और का.आ. 1722(अ) तारीख 5 अक्टूबर, 2006 को, उन बातों के सिवाय अधिकांश करते हुए जिन्हें ऐसे अधिक्रमण से पहले किया गया है या करने का लोप किया गया है इस निमित्त सलाहकार समिति की सिफारिशों को अभिप्राप्त करने के पश्चात् 1 जुलाई, 2020 से सूक्ष्म, लघु और मध्यम उद्यम के रूप में वर्गीकरण के लिए कतिपय मानदंड अधिसूचित करती है और ज्ञापन (जिसे इस अधिसूचना में इसके पश्चात् “उद्यम रजिस्ट्रीकरण” कहा गया है) फाइल करने की प्ररूप और प्रक्रिया विनिर्दिष्ट करती है, अर्थात्:--

**1. उद्यमों का वर्गीकरण.**—उद्यम को निम्नलिखित मानदंडों के आधार पर सूक्ष्म, लघु या मध्यम उद्यम में वर्गीकृत किया जाएगा, अर्थात्:--

- ऐसा सूक्ष्म उद्यम, जहां संयंत्र और मशीनरी या उपस्कर में विनिधान एक करोड़ रुपए से अधिक नहीं है और आवर्तन पांच करोड़ रुपए से अधिक नहीं है;

- (ii) ऐसा लघु उद्यम, जहां संयंत्र और मशीनरी या उपस्कर में विनिधान दस करोड़ रुपए से अधिक नहीं है और आवर्तन पचास करोड़ रुपए से अधिक नहीं है; और
- (iii) ऐसा मध्यम उद्यम, जहां संयंत्र और मशीनरी या उपस्कर में विनिधान पचास करोड़ रुपए से अधिक नहीं है और आवर्तन दो सौ पचास करोड़ रुपए से अधिक नहीं है।

## 2. सूक्ष्म, लघु या मध्यम उद्यम के अंतर्गत शामिल होना:--

- (1) कोई व्यक्ति जो सूक्ष्म, लघु या मध्यम उद्यम स्थापित करने की आशय रखता है, स्व-घोषणा के आधार पर उद्यम रजिस्ट्रीकरण पोर्टल में ऑनलाइन उद्यम रजिस्ट्रीकरण के लिए आवेदन कर सकेगा जिसमें दस्तावेज, कागजात, प्रमाणपत्रों या सबूत को अपलोड करने की कोई आवश्यकता नहीं है।
- (2) रजिस्ट्रीकरण के समय उद्यम (जिसे उद्यम रजिस्ट्रीकरण पोर्टल में “उद्यम” कहा गया है) को “उद्यम रजिस्ट्रीकरण संख्या” के रूप में ज्ञात एक स्थायी पहचान संख्या दी जाएगी।
- (3) रजिस्ट्रीकरण प्रक्रिया पूरी होने पर “उद्यम रजिस्ट्रीकरण प्रमाण पत्र” अर्थात् एक ई-प्रमाणपत्र जारी किया जाएगा।

## 3. वर्गीकरण के लिए विनिधान और आवर्तन के संबंध में समेकित मापदंड-

- (1) किसी उद्यम को सूक्ष्म, लघु या मध्यम के रूप में वर्गीकरण के लिए विनिधान और आवर्तन का एक समेकित मापदंड लागू होगा।
- (2) यदि कोई उद्यम अपनी वर्तमान श्रेणी के लिए विनिधान या आवर्तन के दोनों मानदंड में से किसी अधिकतम सीमा को पार करता है, तो वह उस श्रेणी में अस्तित्वहीन हो जाएगा तथा उसे अगली उच्चतर श्रेणी में रखा जाएगा किन्तु किसी भी उद्यम को तब तक निम्नतर श्रेणी में नहीं रखा जाएगा जब तक वह विनिधान तथा आवर्तन के दोनों मापदंडों में अपनी वर्तमान श्रेणी के लिए विनिर्दिष्ट अधिकतम सीमा के नीचे नहीं चला जाता हो।
- (3) वस्तु और सेवा कर पहचान संख्या (जीएसटीआईएन) सहित सभी इकाइयां, जिन्हें समान स्थायी खाता संख्या (पैन) के लिए सूचीबद्ध किया गया है, को सामूहिक रूप से एक उद्यम के रूप में माना जाएगा और ऐसी सभी इकाइयों के लिए विनिधान और आवर्तन संबंधी आंकड़ों पर सामूहिक रूप से ध्यान दिया जाएगा तथा सूक्ष्म, लघु या मध्यम के रूप में श्रेणी का विनिश्चय करने के लिए केवल कुल मूल्य पर विचार किया जाएगा।

## 4. संयंत्र और मशीनरी या उपस्कर में विनिधान की गणना:-

- (1) संयंत्र और मशीनरी या उपस्कर में विनिधान की गणना को आय कर अधिनियम, 1961 के तहत फाइल किए गए पूर्ववर्ती वर्षों के आयकर रिटर्न (आईटीआर) से जोड़ा जाएगा।
- (2) नए उद्यम की दशा में, जहां कोई पूर्व आईटीआर उपलब्ध नहीं है, वहां उद्यम के संप्रवर्तक के स्व-घोषणा के आधार पर विनिधान किया जाएगा और ऐसी छूट उस वित्त वर्ष में 31 मार्च के पश्चात समाप्त हो जाएगी जिसमें वह उद्यम अपना पहला आईटीआर फाइल करता है।
- (3) उद्यम के “संयंत्र और मशीनरी या उपस्कर” का वही अर्थ होगा जो आयकर अधिनियम, 1961 के अधीन विरचित आयकर नियम, 1962 में संयंत्र और मशीनरी में उसका है और इसमें सभी मूर्त अस्तियाँ (भूमि और भवन, फर्नीचर और फिटिंग से भिन्न) शामिल होंगी।

- (4) यदि उद्यम बिना किसी आईटीआर का नया है, तो संयंत्र और मशीनरी या उपस्कर की खरीद (इन्वॉइस) मूल्य, चाहे पहली बार या दूसरी बार खरीदा गया हो, माल और सेवा कर (जीएसटी) को छोड़कर, स्व-प्रकटीकरण के आधार पर हिसाब में लिया जाएगा।
- (5) अधिनियम की धारा 7 की उप-धारा (1) के स्पष्टीकरण I में निर्दिष्ट कुछ वस्तुओं की लागत को संयंत्र और मशीनरी में विनिधान की राशि की गणना से बाहर रखा जाएगा।

#### 5. आवर्तन की गणना—

- (1) वर्गीकरण के प्रयोजन के लिए कोई उद्यम, चाहे वह सूक्ष्म, लघु या मध्यम हो, के आवर्तन की गणना करते समय माल या सेवाओं या दोनों के निर्यात को बाहर रखा जाएगा।
- (2) उद्यम के लिए आवर्तन और निर्यात आवर्तन के संबंध में जानकारी आयकर अधिनियम या केंद्रीय माल और सेवा अधिनियम (सीजीएसटी अधिनियम) और जीएसटीआईएन से संबद्ध होगी।
- (3) ऐसे उद्यम के आवर्तन संबंधी आंकड़े, जिनके पास पैन नहीं है, को 31 मार्च, 2021 तक की अवधि के लिए स्व-घोषणा के आधार पर माना जाएगा और उसके पश्चात्, पैन और जीएसटीआईएन अनिवार्य होगा।

#### 6. रजिस्ट्रीकरण की प्रक्रिया—

- (1) रजिस्ट्रीकरण के लिए प्ररूप उद्यम रजिस्ट्रीकरण पोर्टल में उपलब्ध कराया जाएगा।
- (2) उद्यम रजिस्ट्रीकरण फाइल करने के लिए कोई फीस नहीं होगा।
- (3) उद्यम रजिस्ट्रीकरण के लिए आधार संख्या अपेक्षित होगी।
- (4) आधार संख्या स्वामित्व फर्म के मामले में स्वत्वधारी की होगी, भागीदारी फर्म के मामले में प्रबंधक भागीदार की और हिंदू अविभक्त कुटुंब (एचयूएफ) के मामले में कर्ता की होगी।
- (5) कंपनी या सीमित देयता भागीदारी या किसी सहकारी समिति या सोसाइटी या ट्रस्ट के मामले में, संगठन या उसके प्राधिकृत हस्ताक्षरकर्ता अपने आधार संख्या सहित अपना जीएसटीआईएन और पैन उपलब्ध करेंगे।
- (6) यदि कोई उद्यम पैन सहित उद्यम के रूप में सम्यकरूप से रजिस्ट्रीकृत है, तो पूर्व वर्षों की किसी भी जानकारी की कमी, जब उसके पास पैन नहीं था, को स्व-घोषणा के आधार पर भरा जाएगा।
- (7) कोई भी उद्यम एक से अधिक उद्यम रजिस्ट्रीकरण फाइल नहीं करेगा:  
परन्तु विनिर्माण या सेवा या दोनों प्रकार की गतिविधियों को एक उद्यम रजिस्ट्रीकरण में विनिर्दिष्ट किया या जोड़ा जाए।
- (8) यदि कोई जानबूझकर दुर्व्यपदेशन जानकारी देता है या उद्यम रजिस्ट्रीकरण या उन्नयन प्रक्रिया में दिखाई देने वाले स्व-घोषित तथ्यों और आंकड़ों को छिपाने का प्रयास करता है, तो वह अधिनियम की धारा 27 के अधीन विनिर्दिष्ट दंड का पात्र होगा।

#### 7. विद्यमान उद्यमों का रजिस्ट्रीकरण.—

- (1) ईएम-भाग-II या यूएम के अधीन रजिस्ट्रीकृत सभी विद्यमान उद्यम 1 जुलाई, 2020 को या उसके पश्चात् उद्यम रजिस्ट्रीकरण पोर्टल पर फिर से रजिस्ट्रीकरण करेंगे।
- (2) 30 जून, 2020 तक रजिस्ट्रीकृत सभी उद्यमों को इस अधिसूचना के अनुसार फिर से वर्गीकृत किया जाएगा।
- (3) 30 जून, 2020 से पहले रजिस्ट्रीकृत विद्यमान उद्यम केवल 31 मार्च, 2021 तक की अवधि के लिए विधिमान्य रहेंगे।
- (4) सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय के अधीन किसी अन्य संगठन के साथ रजिस्ट्रीकृत उद्यम, उद्यम रजिस्ट्रीकरण के अधीन स्वयं को रजिस्ट्रीकृत करेंगे।

**8. सूचना का अद्यतन और वर्गीकरण में संक्रमण अवधि—**

- (1) उद्यम रजिस्ट्रीकरण संख्या वाला कोई उद्यम पूर्ववर्ती वित्तीय वर्ष के लिए आईटीआर और जीएसटी रिटर्न के ब्यौरे सहित उद्यम रजिस्ट्रीकरण पोर्टल में ऑनलाइन अपनी सूचना तथा ऐसी अन्य अतिरिक्त सूचना, जो अपेक्षित हो, स्व-घोषणा के आधार पर अद्यतन करेगा।
- (2) ऑनलाइन उद्यम रजिस्ट्रीकरण पोर्टल में विनिर्दिष्ट अवधि के भीतर सुसंगत जानकारी अद्यतन करने में विफल होने पर उसका स्तर रद्द किए जाने के लिए उद्यम स्वयं जिम्मेदार होगा।
- (3) प्रदान की गई जानकारी या आईटीआर या जीएसटी रिटर्न सहित सरकारी स्रोतों से प्राप्त की गई जानकारी के आधार पर उद्यम के वर्गीकरण को अद्यतन किया जाएगा।
- (4) किसी उद्यम की क्रमिक वृद्धि (निम्नतर से उच्चतर श्रेणी में) अथवा क्रमिक ह्रास (निम्नतर श्रेणी की ओर अग्रसर होना) की स्थिति में उद्यम को उसके स्तर में होने वाले परिवर्तन के बारे में सूचित किया जाएगा।
- (5) संयंत्र और मशीनरी या उपस्कर में विनिधान या आवर्तन अथवा दोनों में उच्चतर परिवर्तन तथा परिणामस्वरूप पुनः वर्गीकरण की स्थिति में उद्यम रजिस्ट्रीकरण के वर्ष के समाप्त होने से लेकर एक वर्ष की समाप्ति तक अपने वर्तमान स्तर को बरकरार रखेगा।
- (6) किसी उद्यम के क्रमिक ह्रास की स्थिति में, चाहे वह पुनः वर्गीकरण के परिणामस्वरूप हुआ हो या संयंत्र और मशीनरी अथवा उपस्कर में विनिधान या आवर्तन में वास्तविक परिवर्तन अथवा दोनों के कारण हुआ हो तथा चाहे उद्यम अधिनियम के अधीन रजिस्ट्रीकृत हो अथवा नहीं, उद्यम वित्तीय वर्ष की समाप्ति तक अपनी वर्तमान श्रेणी में बना रहेगा तथा उसे ऐसे परिवर्तन वाले वर्ष के पश्चात् के वित्तीय वर्ष के 1 अप्रैल से परिवर्तित स्तर का लाभ प्रदान किया जाएगा।

**9. उद्यमों की सुविधा और उनकी शिकायतों का निवारण—**

- (1) विभिन्न संस्थाओं और विकास संस्थाओं (एमएसएमडीआई) सहित सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय के कार्यालयों में कार्यरत चैंपियन कंट्रोल रूम रजिस्ट्रीकरण की प्रक्रिया को सुविधाजनक बनाने और सूक्ष्म, लघु और मध्यम उद्यमों को आगे सुगमता पूर्वक सभी प्रकार की संभव सहायता उपलब्ध कराने के लिए एकल खिड़की प्रणाली के रूप में कार्य करेंगे।
- (2) जिला उद्योग केंद्र (डीआईसी) भी अपने-अपने जिलों में एकल खिड़की सुविधा प्रणाली के रूप में कार्य करेंगे।
- (3) यदि कोई व्यक्ति किसी कारणवश जिसके अन्तर्गत आधार संख्या का न होना भी है, उद्यम रजिस्ट्रीकरण फाइल नहीं कर पाता है तो वह अपने आधार संख्या नामांकन पहचान पर्ची अथवा आधार नामांकन के अनुरोध की प्रति अथवा बैंक की फोटोयुक्त पासबुक अथवा मतदाता पहचान पत्र अथवा पासपोर्ट अथवा ड्राइविंग लाइसेंस में से किसी भी एक को लेकर उपर्युक्त किसी भी एकल खिड़की प्रणाली से उद्यम रजिस्ट्रीकरण के लिए संपर्क कर सकता है तथा एकल खिड़की प्रणाली, जिसके अंतर्गत प्रक्रिया भी है, उसकी आधार संख्या प्राप्त करने में सहायता करेगी और तत्पश्चात् उद्यम रजिस्ट्रीकरण की आगे की प्रक्रिया में सहायता करेगी।
- (4) किसी भी त्रुटि अथवा शिकायत के मामले में संबंधित जिले के जिला उद्योग केन्द्र का महाप्रबंधक उद्यम द्वारा दिए गए उद्यम रजिस्ट्रीकरण के ब्यौरों के सत्यापन के संबंध में जांच करेगा और तत्पश्चात् अपनी आवश्यक टिप्पणी के साथ मामले को संबंधित राज्य सरकार के निदेशक अथवा आयुक्त अथवा उद्योग सचिव के पास भेजेगा जो उद्यम को नोटिस जारी करने और उसे मामले को प्रस्तुत करने का अवसर प्रदान करेगा तथा जांच के आधार पर ब्यौरों में संशोधन कर सकेगा अथवा सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय से उद्यम रजिस्ट्रीकरण प्रमाण पत्र निरस्त करने की सिफारिश कर सकेगा।

[फा. सं. 21(5)/2019-पीएण्डजी/पालिसी(पार्ट-IV)]

ए. के. शर्मा, सचिव

**MINISTRY OF MICRO, SMALL AND MEDIUM ENTERPRISES****NOTIFICATION**

New Delhi, the 26th June, 2020

**S.O. 2119(E).**—In exercise of the powers conferred by sub-section (1) read with sub-section (9) of section 7 and sub-section (2) read with sub-section (3) of section 8, of the Micro, Small and Medium Enterprises Development Act, 2006, (27 of 2006), hereinafter referred to as the said Act, and in supersession of the notifications of the Government of India in the Ministry of Micro, Small and Medium Enterprises number S.O.1702 (E ), dated the 1<sup>st</sup> June, 2020, S.O. 2052 (E), dated the 30<sup>th</sup> June, 2017, S.O.3322 (E ), dated the 1<sup>st</sup> November, 2013 and S.O.1722 (E ), dated the 5<sup>th</sup> October, 2006, published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-Section (ii), except as respects things done or omitted to be done before such supersession, the Central Government, after obtaining the recommendations of the Advisory Committee in this behalf, hereby notifies certain criteria for classifying the enterprises as micro, small and medium enterprises and specifies the form and procedure for filing the memorandum (hereafter in this notification to be known as “Udyam Registration”), with effect from the 1<sup>st</sup> day of July, 2020, namely:--

**1. Classification of enterprises.**—An enterprise shall be classified as a micro, small or medium enterprise on the basis of the following criteria, namely:--

- (i) a micro enterprise, where the investment in plant and machinery or equipment does not exceed one crore rupees and turnover does not exceed five crore rupees;
- (ii) a small enterprise, where the investment in plant and machinery or equipment does not exceed ten crore rupees and turnover does not exceed fifty crore rupees; and
- (iii) a medium enterprise, where the investment in plant and machinery or equipment does not exceed fifty crore rupees and turnover does not exceed two hundred and fifty crore rupees.

**2. Becoming a micro, small or medium enterprise.**—

- (1) Any person who intends to establish a micro, small or medium enterprise may file Udyam Registration online in the Udyam Registration portal, based on self-declaration with no requirement to upload documents, papers, certificates or proof.
- (2) On registration, an enterprise (referred to as “Udyam” in the Udyam Registration portal) will be assigned a permanent identity number to be known as “Udyam Registration Number”.
- (3) An e-certificate, namely, “Udyam Registration Certificate” shall be issued on completion of the registration process.

**3. Composite criteria of investment and turnover for classification.**—

- (1) A composite criterion of investment and turnover shall apply for classification of an enterprise as micro, small or medium.
- (2) If an enterprise crosses the ceiling limits specified for its present category in either of the two criteria of investment or turnover, it will cease to exist in that category and be placed in the next higher category but no enterprise shall be placed in the lower category unless it goes below the ceiling limits specified for its present category in both the criteria of investment as well as turnover.
- (3) All units with Goods and Services Tax Identification Number (GSTIN) listed against the same Permanent Account Number (PAN) shall be collectively treated as one enterprise and the turnover and investment figures for all of such entities shall be seen together and only the aggregate values will be considered for deciding the category as micro, small or medium enterprise.

**4. Calculation of investment in plant and machinery or equipment.**—

- (1) The calculation of investment in plant and machinery or equipment will be linked to the Income Tax Return (ITR) of the previous years filed under the Income Tax Act, 1961.

- (2) In case of a new enterprise, where no prior ITR is available, the investment will be based on self-declaration of the promoter of the enterprise and such relaxation shall end after the 31<sup>st</sup> March of the financial year in which it files its first ITR.
- (3) The expression “plant and machinery or equipment” of the enterprise, shall have the same meaning as assigned to the plant and machinery in the Income Tax Rules, 1962 framed under the Income Tax Act, 1961 and shall include all tangible assets (other than land and building, furniture and fittings).
- (4) The purchase (invoice) value of a plant and machinery or equipment, whether purchased first hand or second hand, shall be taken into account excluding Goods and Services Tax (GST), on self-disclosure basis, if the enterprise is a new one without any ITR.
- (5) The cost of certain items specified in the *Explanation I* to sub-section (1) of section 7 of the Act shall be excluded from the calculation of the amount of investment in plant and machinery.

**5. Calculation of turnover.--**

- (1) Exports of goods or services or both, shall be excluded while calculating the turnover of any enterprise whether micro, small or medium, for the purposes of classification.
- (2) Information as regards turnover and exports turnover for an enterprise shall be linked to the Income Tax Act or the Central Goods and Services Act (CGST Act) and the GSTIN.
- (3) The turnover related figures of such enterprise which do not have PAN will be considered on self-declaration basis for a period up to 31<sup>st</sup> March, 2021 and thereafter, PAN and GSTIN shall be mandatory.

**6. Registration process.—**

- (1) The form for registration shall be as provided in the Udyam Registration portal.
- (2) There will be no fee for filing Udyam Registration.
- (3) Aadhaar number shall be required for Udyam Registration.
- (4) The Aadhaar number shall be of the proprietor in the case of a proprietorship firm, of the managing partner in the case of a partnership firm and of a karta in the case of a Hindu Undivided Family (HUF).
- (5) In case of a Company or a Limited Liability Partnership or a Cooperative Society or a Society or a Trust, the organisation or its authorised signatory shall provide its GSTIN and PAN along with its Aadhaar number.
- (6) In case an enterprise is duly registered as an Udyam with PAN, any deficiency of information for previous years when it did not have PAN shall be filled up on self-declaration basis.
- (7) No enterprise shall file more than one Udyam Registration:  
Provided that any number of activities including manufacturing or service or both may be specified or added in one Udyam Registration.
- (8) Whoever intentionally misrepresents or attempts to suppress the self-declared facts and figures appearing in the Udyam Registration or updation process shall be liable to such penalty as specified under section 27 of the Act.

**7. Registration of existing enterprises.---**

- (1) All existing enterprises registered under EM–Part-II or UAM shall register again on the Udyam Registration portal on or after the 1<sup>st</sup> day of July, 2020.
- (2) All enterprises registered till 30<sup>th</sup> June, 2020, shall be re-classified in accordance with this notification.
- (3) The existing enterprises registered prior to 30<sup>th</sup> June, 2020, shall continue to be valid only for a period up to the 31<sup>st</sup> day of March, 2021.

- (4) An enterprise registered with any other organisation under the Ministry of Micro, Small and Medium Enterprises shall register itself under Udyam Registration.

## **8. Updation of information and transition period in classification.--**

- (1) An enterprise having Udyam Registration Number shall update its information online in the Udyam Registration portal, including the details of the ITR and the GST Return for the previous financial year and such other additional information as may be required, on self-declaration basis.
- (2) Failure to update the relevant information within the period specified in the online Udyam Registration portal will render the enterprise liable for suspension of its status.
- (3) Based on the information furnished or gathered from Government's sources including ITR or GST return, the classification of the enterprise will be updated.
- (4) In case of graduation (from a lower to a higher category) or reverse-graduation (sliding down to lower category) of an enterprise, a communication will be sent to the enterprise about the change in the status.
- (5) In case of an upward change in terms of investment in plant and machinery or equipment or turnover or both, and consequent re-classification, an enterprise will maintain its prevailing status till expiry of one year from the close of the year of registration.
- (6) In case of reverse-graduation of an enterprise, whether as a result of re-classification or due to actual changes in investment in plant and machinery or equipment or turnover or both, and whether the enterprise is registered under the Act or not, the enterprise will continue in its present category till the closure of the financial year and it will be given the benefit of the changed status only with effect from 1<sup>st</sup> April of the financial year following the year in which such change took place.

## **9. Facilitation and grievance redressal of enterprises.--**

- (1) The Champions Control Rooms functioning in various institutions and offices of the Ministry of Micro, Small and Medium Enterprises including the Development Institutes (MSME-DI) shall act as Single Window Systems for facilitating the registration process and further handholding the micro, small and medium enterprises in all possible manner.
- (2) The District Industries Centres (DICs) will also act as Single Window facilitation Systems in their Districts.
- (3) Any person who is not able to file the Udyam Registration for any reason including for lack of Aadhaar number, may approach any of the above Single Window Systems for Udyam Registration purposes with his Aadhaar enrolment identity slip or copy of Aadhaar enrolment request or bank photo pass book or voter identity card or passport or driving licence and the Single Window Systems will facilitate the process including getting an Aadhaar number and thereafter in the further process of Udyam Registration.
- (4) In case of any discrepancy or complaint, the General Manager of the District Industries Centre of the concerned District shall undertake an enquiry for verification of the details of Udyam Registration submitted by the enterprise and thereafter forward the matter with necessary remarks to the Director or Commissioner or Industry Secretary concerned of the State Government who after issuing a notice to the enterprise and after giving an opportunity to present its case and based on the findings, may amend the details or recommend to the Ministry of Micro, Small or Medium Enterprises, Government of India, for cancellation of the Udyam Registration Certificate.

[F. No. 21(5)/2019-P&G/Policy (Pt-IV)]

A. K. SHARMA, Secy.

## **REGISTRATION OF EXISTING ENTERPRISES**

- (1) All existing enterprises registered under EM–Part-II or UAM shall register again on the Udyam Registration portal on or after the 1st day of July, 2020.
- (2) All enterprises registered till 30th June, 2020, shall be re-classified in accordance with this notification.
- (3) The existing enterprises registered prior to 30th June, 2020, shall continue to be valid only for a period up to the 31st day of March, 2021.
- (4) An enterprise registered with any other organisation under the Ministry of Micro, Small and Medium Enterprises shall register itself under Udyam Registration.