

**HLL LIFECARE LIMITED**  
**(A Government of India Enterprise)**  
**PEROORKADA.P.O,**  
**THIRUVANANTHAPURAM - 695 005**  
**KERALA, INDIA**

## **TECHNICAL BID**

**FABRICATION, ASSEMBLY, LEADING,  
INSTALLATION, INTEGRATION, TESTING AND  
COMMISSIONING OF CONVEYOR TYPE ELECTRONIC  
TESTING MACHINE**

**IFB No : HLL/CED/KFC/MET- FABN /2015**  
**Date : 05-08-2015**

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**CERTIFICATE OF CONFIDENTIALITY**

We understood that HLL Lifecare Limited is the sole owner of the technology and equipment specification & drawings given to us. We hereby certify that the details given to us will be kept confidential and will not be used for any other purpose or transferred to third party.

**SIGNATURE (S) OF BIDDER**

*(To be submitted in the letter pad of the firm indicating full name and address, telephone & fax numbers etc.)*

## **TECHNICAL BID**

### **1. Bid Information**

- 1.1 The Technical Bid must include the following information;
- a. Proposed period of Completion.
  - b. All information requested in the bidding document.
  - c. The details specified under Technical bid evaluation criteria.

### **2. PRE-QUALIFICATION CRITERIA**

These sheets should be filled up after reading the complete bidding document and the relevant details asked for detailed as below should be enclosed with this bid.

- 2.1. Bidders should have minimum 5 years experience in the relevant field and should have executed successfully two fabrication works, each work costing not less than Rs.10 lakhs during the last 5 years.
- 2.2. Average annual financial turnover of the bidder during the last 3 years, ending 31<sup>st</sup> March of the previous financial year, should be at least Rs.10 Lacs
- 2.3. The list of major similar jobs executed satisfactorily in last five years, giving details of type of work, name & address of client, value of job & duration including photos and copies of major orders with completion certificate from the client
- 2.4. Earnest Money Deposit in the manner specified.
- 2.5. Power of Attorney in case an authorized representative has signed the tender.
- 2.6. The duly signed acceptance form conforming that All terms & conditions, technical specifications, drawings & volume of job are understood by the bidder. Certificate that bid is in total conformity with the specifications and terms and conditions mentioned in the bid document and certificate on period of validity (sheet enclosed)
- 2.7. Deviation if any, giving reasons for the deviation.
- 2.8. List of Plant & Machinery, tools & tackles available with the contractor and intended to be used in the said job to be filled in the enclosed sheet.

- 2.9. Total list of technical staff, labour (skilled & unskilled) intended to be deployed in the said job to be filled in the enclosed sheet.
- 2.10. Information regarding projects in hand
- 2.11. Information regarding bidder such as Litigation, orders regarding expulsion or black listing, if any
- 2.12. Even though the bidder meet the above qualifying criteria, they are subject to be disqualified if they have a record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.
- 2.13. Assurance that the Contractor shall take insurance policy as mentioned in the bid jointly in the name of HLL and the Contractor, valid till completion of the awarded work.
- 2.14. HLL Lifecare Limited is the sole owner of the technology and equipment specification & drawings given along with the bidding document and drawings to be given to the Contractor. The details given to bidders and Contractor should be kept confidential and should not be used for any other purpose or should not be transferred to third party. The bidders should certify that the information given to them will not be used for any other purpose.
- 2.15. In addition to the above, HLL will evaluate the technical knowledge, fabrication facility and the potential of the party to undertake the work. The decision of HLL will be final and binding.

**Note:** - HLL does not bind itself to accept the lowest or any tender, and reserves to itself the right to accept or reject any or all the tenders, either in whole or in part without assigning any reason for doing so.

**APPLICATION FOR PREQUALIFICATION**

**Name of Work:**      **Fabrication, Assembly, Leading, Installation, Integration, Testing and Commissioning Of Conveyor Type Electronic Testing Machine**

A. Name of Contractor/Firm/Company      :

1. Postal address      :

2. Telephone No.:      FAX    :      E-Mail :

3. Year of commencement of Contract/Year of establishment of firm/Company    :

B. In the case of Firm

1. Whether proprietary or partnership firm      :

2. Name of Managing Partner      :

3. Name of other partners      :

Note: Attested copy of partnership deed to be enclosed

C. In the case of Company

1. Whether Private Limited or Public Limited Company      :

2. Name of Managing Director      :

3. Names of other Directors      :

Note: Attested copy of Company Registration deed to be enclosed.

- D. Bidder should have minimum 5 years experience in the relevant field and should have executed successfully two fabrication works, each work costing not less than Rs .10 lakhs/-, during the last 5 years

Enclose 2 completion certificates from the clients certified that similar fabrication works costing not less than Rs.10 lakhs/- are completed satisfactorily. The Client list shall also be enclosed.

The list of major similar jobs executed satisfactorily in last five years, giving details of type of work, name & address of client, value of job & duration including photos and copies of major orders with completion certificate from the client shall also be enclosed.

Note: Details to be furnished in **Annexure I**

- E. Information regarding projects in hand Note: Details to be furnished in **Annexure II**

- F. Average annual financial turn over of the bidder during the last 3 years, ending 31<sup>st</sup> March of the previous financial year, should be at least Rs. 10 Lakhs

- a. Annualized turn over of the Contractor/Firm/Company in the last 3 years ending 31.03.2015

- |                 |      |
|-----------------|------|
| 1. 2012 – 2013: | INR. |
| 2. 2013 – 2014: | INR. |
| 3. 2014 - 2015: | INR. |

Note: Details to be furnished in **Annexure III**

- G. Has the Contractor/ Firm/Company ever been black listed by the Govt /or the registering authority.

i) If so, give the period and details.

- H. Details of Organization :

- |                        |                                |
|------------------------|--------------------------------|
| 1. Technical personnel | : i) No. of Graduate Engineers |
|                        | : ii) No. of Diploma holders : |

2. Non Technical Management

(Details to be enclosed in **Annexure IV- A & B**)

- I. Completion Period: in **Annexure V** (filled and enclosed)
- J. Acceptance Form in **Annexure VI**
- K. CERTIFICATE for authenticity of information provided with Offer as per **Annexure VII**

I/We hereby certify that the details given in the application form and Annexure I to Annexure VII are correct to the best of my/our knowledge. I /We have no objection, in Owner (HLL Lifecare Limited) contacting any of our clients for reference.

Signature

Name and address of the Party

Place:

Date:



**ANNEXURE - I****LIST OF MAJOR JOBS EXECUTED DURING THE LAST FIVE YEARS**

SL.NO	DETAILS OF WORK	CONTRACT VALUE (In Lakhs)	NAME & ADDRESS OF CLIENT	COMPLETION TIME AS PER ORDER (In months)	ACTUAL TIME TAKEN
1					
2					
3					
4					
...					

**SIGNATURE OF BIDDER**

Note:- Bidders should have executed successfully two fabrication works, each work costing not less than Rs.10lakhs, during the last 5 years. Enclose 2 completion certificates from the clients certified that similar fabrication works costing not less than Rs.10 Lakhs are completed satisfactorily

**ANNEXURE-II**

<b>DETAILS OF ONGOING PROJECTS</b>			
<b>Sl. No.</b>	<b>Name of Client with full address, telephone numbers and nature of work</b>	<b>Order details such as quantity, completion time etc.</b>	<b>Value of works</b>
1			
2			
3			
4			

**ANNEXURE III**

**(ENCLOSE DETAILS OF ANNUALISED TURN OVER OF THE CONTRACTOR/FIRM/COMPANY IN THE LAST 3 YEARS ENDING 31-03-2015)**

2012 - 2013: INR.

2013– 2014: INR.

2014 - 2015: INR.

**(Enclose audited Balance sheets in proof for the above period)**

**Note:** Average annual financial turn over of the bidder during the last 3 years, ending 31<sup>st</sup> March of the previous financial year, should be at least INR 10 Lacs

**ANNEXURE- IV - A**

**BIDDER'S TECHNICAL STAFF**

1. NUMBER OF QUALIFIED GRADUATE ENGINEERS WITH DISCIPLINE.
2. NUMBER OF QUALIFIED GRADUATE ENGINEER INTENDED TO BE POSTED/DEPLOYED ON THIS PROJECT
3. NUMBER OF QUALIFIED DIPLOMA ENGINEERS WITH DISCIPLINE.
4. NUMBER OF QUALIFIED DIPLOMA ENGINEERS INTENDED TO BE POSTED ON THIS PROJECT
5. NUMBER OF EXPERIENCED SUPERVISORS
6. OTHER STAFF

**SIGNATURE OF BIDDER**

**ANNEXURE- IV - B**

**SKILLED, SEMI-SKILLED AND UNSKILLED LABOUR**

SL.NO	CATEGORY	NOS.AVAILABLE WITH THE FIRM	NOS. INTENDED TO BE DEPLOYED IN THIS PROJECT
1.	SKILLED		
2.	SEMI-SKILLED		
3.	UNSKILLED		

**SIGNATURE OF BIDDER**

**ANNEXURE – V**  
**COMPLETION PERIOD**

**SIGNATURE OF THE BIDDER WITH SEAL**

Note: - The bidder should complete the subjected work within a period of **TWO MONTHS** from the date of receipt of confirmed order.

**ANNEXURE-VI**

**ACCEPTANCE FORM**

*(To be submitted in the letter pad of the firm indicating full name and address, telephone & fax numbers etc.)*

From

To

Associate Vice President,  
Central Engineering Division,  
HLL Lifecare Limited (A Government of India Enterprise),  
PB No 2, Peroorkada, Thiruvananthapuram – 691005,  
Kerala State, India  
Phn: (++91 471) 2433374,2437270 – 501, 502, 503  
Tele Fax: (++ 91 471) 2432647  
E-mail: srnair@lifecarehll.com, rajeevrv@lifecarehll.com,  
harikrishnankp@lifecarehll.com

Dear Sir,

I / We, hereby offer to fabricate/assemble/lead/install/integrate/test/commission as detailed in schedule hereto or such portion thereof as you may specify in the acceptance of Bid at the price given in the price bid and agree to hold this offer open till 90 days after the date of bid opening prescribed by the Owner. I/We have understood the terms and conditions mentioned in the invitation for bid and Conditions of Contract furnished by you and have thoroughly examined the specifications quoted in the bid document hereto and are fully aware of the nature of the scope of work required and my/our offer is to comply strictly in accordance with the requirement and the terms and conditions mentioned above. I/We have understood that the OWNER is the sole owner of the technology, equipment, specification and drawings given along with the bidding documents. I/we here by assure that the above information will be kept confidential and will not be used for any other purpose or will not be transferred to third party.

Yours faithfully,

**SIGNATURE OF THE BIDDER**

**ANNEXURE VII**

**CERTIFICATE FOR AUTHENTICITY OF INFORMATION**

I / we hereby certify that the information given with this bidding document is correct. If, at any stage, it is found to be incorrect, I / we understand that the contract will be liable to be terminated and action could be taken against me/us by the Company for damages.

**SIGNATURE (S) OF BIDDER WITH SEAL**

(To be submitted in the letter pad of the firm indicating full name and address, telephone & fax numbers etc.)



**CHECKLIST FOR TECHNICAL BID**

<b>SI NO</b>	<b>PARTICULARS</b>	<b>ATTACHED (YES/NO)</b>
1.	EMD as prescribed in the Tender	
2.	Certificate of Confidentiality	
3.	Application for Pre-Qualification duly filled	
4.	Annexure I	
5.	Annexure II	
6.	Annexure III	
7.	Annexure IV-A	
8.	Annexure IV-B	
9.	Annexure V	
10.	Annexure VI	
11.	Annexure VII	

**HLL LIFECARE LIMITED  
(A Government of India Enterprise)  
PEROORKADA.P.O,  
THIRUVANANTHAPURAM - 695 005  
KERALA, INDIA**

## **PRICE BID**

**FABRICATION, ASSEMBLY, LEADING,  
INSTALLATION, INTEGRATION, TESTING AND  
COMMISSIONING OF CONVEYOR TYPE  
ELECTRONIC TESTING MACHINE**

**IFB No : HLL/CED/KFC/MET- FABN /2015  
Date : 05-08-2015**

**HLL LIFECARE LIMITED**  
**(A Government of India Enterprise)**  
**PEROORKADA.P.O,**  
**THIRUVANANTHAPURAM - 695 005**  
**KERALA, INDIA**  
**Phn: - (++ 91 471) 2437270**  
**Fax: - (++ 91 471) 2432647**

**INVITATION FOR BIDS (IFB)**

**IFB No** : **HLL/CED/KFC/MET- FABN /2015**  
**Date** : **05-08-2015**

HLL Lifecare Limited (HLL), a Government of India Enterprise is in the process of fabricating conveyor type electronic testing machine for testing male condoms. For the said project, sealed and super scribed bids are invited from competent and experienced Suppliers/Contractors who are capable to do the following work meeting the requirements as per our tender.

SI No	Brief description of work	Quantity	EMD (Rs.)
1	Fabrication, Assembly, Leading, Installation, Integration, Testing and Commissioning of Conveyor Type Electronic Testing Machine	As per Schedule	10,000/-

**2. Eligibility criteria**

- a) Minimum 5 years experience in the relevant field
  - b) The Bidder should have executed successfully two fabrication works, each work costing not less than Rs 10Lacs during the last 5 years.
  - c) Average annual financial turn over of the bidder during the last 3 years, ending 31<sup>st</sup> march of the previous financial year, should be at least Rs.10Lacs
3. A complete set of bid documents can be had from the Office of the Associate Vice President (CED), Central Engineering Division, HLL Lifecare Limited, Peroorkada Factory, Thiruvananthapuram – 695 005, Kerala, India during office hours on any working day on submission of written application.

The Tender Documents can also be downloaded from our Website [www.lifecarehll.com](http://www.lifecarehll.com) from the date of issue of tender document. Tender forms shall be filled in ink or typed. No tender filled in pencil shall be considered. The tenderer shall sign and seal the form at each page and at the end, in token of acceptance of all the terms and conditions of the tender.

HLL LIFECARE LIMITED

4. The bid documents will be available up to 15.00 Hrs. on the previous working day of the opening of the bids.
5. The scheduled date for issue, receipt and opening of bids is as follows.
  - a) Date of issue of tender document - 05-08-2015 onwards.
  - b) Last date and time for receipt of bids - 20-08-2015 up to 15.00 Hrs.
  - c) Date and time of opening of bids - 20-08-2015 , 15.30 Hrs.
  - d) Address for communication, receipt and place of opening of bids:

Associate Vice President,  
Central Engineering Division,  
HLL Lifecare Limited (A Government of India Enterprise),  
PB No 2, Peroorkada, Thiruvananthapuram – 691005,  
Kerala State, India  
Phn: (++91 471) 2433374,2437270 – 501, 502, 503  
Tele Fax: (++ 91 471) 2432647  
E-mail: srnair@lifecarehll.com, rajeevrv@lifecarehll.com,  
harikrishnankp@lifecarehll.com

6. The completed and sealed bid documents and all schedules should be submitted to Associate Vice President (CED) in the above address along with the EMD. Bids received after due date and time will be rejected. Any bid not accompanied by EMD will be rejected
7. Bids will be opened in the presence of Bidders representative(s) who choose to attend on the specified date and time, at the office of HLL at the address given in Clause '5 (d)' above.
8. In the event of the date specified for bid receipt and opening being declared as a closed holiday for Owner's office, the due date for submission of bids and opening of bids will be the following working day at the appointed times.
9. The Owner may, at its discretion, extend this deadline for submission of bids by amending the Bid Documents or any other reasons, in which case all rights and obligations of the Owner and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.
10. Owner will not be held responsible for the postal delay, if any, in the delivery of the bidding document or the non-receipt of the same. Bids sent by Telex/Fax/Telegraph will not be accepted.
11. The company reserves the right to club or split the items of works, change the qualifying criteria at their discretion and to reject or cancel the Invitation for bids without assigning any reason thereof.

**ASSOCIATE VICE PRESIDENT (CED)**

## SCHEDULE I

### CONDITIONS OF BID

#### 1. Definitions

- a. **“Invitation For Bid (IFB)”** shall mean and include the present document, and such other complements and agenda, which may subsequently be issued in this connection.
- b. **“Owner”** shall mean HLL Lifecare Limited, (Thiruvananthapuram) or its units thereof.
- c. **“Bidder”** shall mean the person, firm of Corporation submitting a bid against this Invitation for Bid and shall also include his agents and representatives.
- d. **“Contractor/Fabricator”** shall mean the bidder whose bid has been accepted and shall also include his successors and assigns, agents and representatives.
- e. **“Contract”** means signed acceptance of the Letter of Intend, if issued, and work order by the Contractor.
- f. **“Site”** means the Owner’s manufacturing facility in **Peroorkada, Trivandrum and Cochin Special Economic Zone, Kochi** in Kerala.
- g. **“The bid documents”** in addition to the invitation for bids and Conditions of Bid (Schedule I), the bid documents include the following schedules.

SCHEDULE-II : General Conditions of Contract

SCHEDULE-III : Detailed Specification

SCHEDULE-IV : Schedule of Work

SCHEDULE-V : Format of Agreement

- h. **“Eligible Bidders”** This Bid is opened to all eligible manufacturers and/or their authorized agents.
- i. **“The contract price”** means the price payable to the Contractor under the contract for the full and proper performance of its contractual obligations.
- j. **“Performance of the Contract”** means successful completion of contract.

#### 2. Bid Information and Period of Validity

2.1 Bidders shall submit their bids in two parts (TECHNICAL BID and PRICE BID)

2.2 The Technical Bid must include the following information;

- a. The details specified under Technical bid Evaluation Criteria.
- b. All other documents/certificate/information as specified in the bidding document.

- 2.3 The Price Bid must be as per the following
- a. The bid is invited for “**Fabrication, Assembly, Leading, Installation, Integration, Testing and Commissioning of Conveyor Type Electronic Testing Machine**” as per the Specification, Terms and Conditions as specified in the Bid Documents. The Bidder shall indicate the price in the enclosed format (**Schedule – IV**) inclusive of all the consumables, relevant taxes and duties, other levies, insurance and other local costs, loading and unloading of Contractor’s materials etc. on a turnkey basis as per the Specifications, Terms and Conditions, Schedule of Work specified in the Bid Documents. Civil work is excluded from the scope of the Contractor.
  - b. Rates should be firm without any escalation on any account till the order is completely fulfilled.
- 2.4 Bids shall remain valid for 90 days after the date of bid opening prescribed by the Owner.

### **3. Format and Signing of Bid**

- 3.1 Bidders shall submit their bids in two parts (TECHNICAL BID and PRICE BID) as under.
- a) Technical bids, in duplicate clearly marking each “Original Bid” and “Copy Bid”, as appropriate, consisting of the deviations in specifications if any, and also clause-by-clause compliance of Technical Bid evaluation criteria, specifications and commercial terms and conditions and EMD, in separate sealed covers super scribing “Technical Bid” inside a main cover.
  - b) Price bids, in duplicate clearly marking each “Original Bid” and “Copy Bid”, as appropriate, showing only item wise rates and total prices in separate sealed covers super scribing “Price Bid” inside a main cover.
- 3.2 When the main cover is opened on the date and time scheduled for bid opening, only the technical bids will be opened.
- 3.3 Bidders whose technical bids are found substantially responsive will be informed of the date and time of opening of their price bids. Price bids of others will be returned to them unopened.

- 3.4 All pages of the bid, except for un-amended printed literature shall be signed by the person or persons signing the bid. The seal of the company shall be stamped in all pages.
- 3.5 Bids shall be made in English.
- 3.6 The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be signed by the person or persons signing the bid.

#### **4. Submission of Bids**

##### **Sealing and Marking of Bids**

- 4.1 The Bidder shall seal the original and each copy of the bid in an inner and then in an outer envelope, duly marked the envelopes as “original” and “copy”.
- 4.2 The inner and outer envelopes shall be:
- (a) Addressed to the Owner in the following address and
- Associate Vice President,  
Central Engineering Division,  
HLL Lifecare Limited (A Government of India Enterprise),  
PB No 2, Peroorkada, Thiruvananthapuram – 691005,  
Kerala State, India  
Phn: (++91 471) 2433374,2437270 – 501, 502, 503  
Tele Fax: (++ 91 471) 2432647  
E-mail: srnair@lifecarehll.com, rajeevrv@lifecarehll.com,  
harikrishnankp@lifecarehll.com
- (b) Bear the Enquiry No, closing date and General description of item tendered, and the words “DO NOT OPEN BEFORE” 15.30 Hrs (IST) on ---  
----- (Indicate the Closing Date).
- 4.3 The inner envelopes shall indicate the name and address of the Bidder. If the outer envelope is not sealed and marked as indicated above, the Owner will assume no responsibility for the bid’s misplacement or premature opening.
- 4.4 Bids should be hand delivered or sent by courier/mail to ensure timely receipt. Telex, Cable, E-mail or facsimile bids will be rejected.

### **Deadline for submission of Bids**

- 4.5 The Owner in the following address will receive the bids not later than the date and time specified in the Invitation for Bids or Subsequent extended dates.

Associate Vice President,  
Central Engineering Division,  
HLL Lifecare Limited (A Government of India Enterprise),  
PB No 2, Peroorkada, Thiruvananthapuram – 691005,  
Kerala State, India  
Phn: (++91 471) 2433374,2437270 – 501, 502, 503  
Tele Fax: (++ 91 471) 2432647  
E-mail: snair@lifecarehll.com, rajeevrv@lifecarehll.com,  
harikrishnankp@lifecarehll.com

In the event of the specified date for submission of Bids being declared a holiday for the Owner, the bids will be received up to the appointed time on the next working day.

- 4.6 The Owner may, at his discretion, extend this deadline for submission of bids by amending the Bid Documents or any other reasons in which case all rights and obligations of the Owner and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.
- 4.7 It is the responsibility of the bidders to see that the completed bidding documents whether sent by post or by courier or by person are received in the **Office of the Associate Vice President (Central Engineering Division)**, in the above address by the date and time stipulated for receipt as above failing which the bid would be considered late and rejected. Owner will not be held responsible for the postal delay, if any, in the delivery of the bidding document or the non-receipt of the same. Bids received after due date and time will be rejected. Mere handing over of the bid documents at reception counter or at any other counter or room or person cannot be considered as submission of bid.

### **5. Clarification of Bidding Documents**

1. A prospective Bidder requiring any clarification of the Bidding Documents may notify the Owner in writing, or by fax at the Owners mailing address indicated in the Invitation for Bids. The Owner will respond in writing to any request for clarification of Bidding Documents, which it receives not later than 7 days prior to the deadline for submission of Bids prescribed by the Owner.



2. Given specification is indicative only. **The bidder should visit the plant and see the machines and also make their own assessments before quoting of bids.** Prior permission from HLL shall be taken for visiting the plant. No photographs will be allowed inside the plant. The Owner will not be responsible for any wrong quotes due to inadequate information.

## **6. Amendment of Bidding Documents**

- 6.1 At any time prior to the deadline for submission of bids, the Owner may, for any reason, modify the Bidding Documents by amendment.
- 6.2 The amendment will be notified in writing or fax or telegram or e-mail to all prospective Bidders, which have received the Bidding Documents and will be binding on them.
- 6.3 In order to afford prospective Bidders reasonable time in which to take the amendment in to account in preparing their bid, the Owner may, at its discretion, extend the deadline for the submission of bids.

## **7. Bid Opening by Owner**

- 7.1 The Owner will open bids, in the presence of the bidders' representatives who choose to attend, at the date and time specified and in the location given in this document. The Bidders' representatives who are present shall sign a register evidencing their attendance. In the event of the specified date of bid opening being declared a holiday for the Owner, the bids shall be opened at the appointed time and location on the next working day.
- 7.2 The Bidders' names, the presence or absence of the requisite EMD and such other details as the Owner, at his discretion, may consider appropriate will be announced at the opening.
- 7.3 The Owner will prepare appropriate bid opening register and bidders present during the opening of the bids and Owner shall sign the same.

## **8. Clarification of bids**

To assist in the examination, evaluation and comparison of bids, the Owner may, at his discretion, ask the bidder for a clarification of its bid. The request for clarification and the response shall be in writing with a dead line date and no change in the price or substance of the bid shall be sought, offered or permitted.

## **9. Preliminary examination**

- 9.1 The Owner will examine the bids to determine whether they are complete, whether any computational errors, have been made whether required EMD has been furnished whether the documents have been properly signed, whether the bid validity is as required and whether the bids are generally in order.
- 9.2 The determination will take into account the Bidder's financial, technical and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, as well as such other information as the Owner deems necessary and appropriate.
- 9.3 Prior to the detailed evaluation, the Owner will determine the substantial responsiveness of each bid to the bidding documents. For the purpose of these clauses, a substantially responsive bid is one which conforms to specifications and all the terms and conditions of the bidding documents without material deviation. The Owner's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.
- 9.4 A bid determined as not substantially responsive will be rejected by the Owner and may not subsequently be made responsive by the bidder by correction of the non-conformity.
- 9.5 The Owner may waive any minor informality or non-conformity or irregularity in a bid, which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any bidder.
- 9.6 The Owner's determination as to the substantial responsiveness or otherwise of each bid or consideration of a minor informality or non-conformity or irregularity is final and conclusive.

## **10. Evaluation and comparison of bids.**

- 10.1 The Owner reserves the right to examine the details given in the technical bid by visiting the office and fabrication workshop/facility of the bidder and take decision based on the visit.
- 10.2 The Owner will technically evaluate all bids previously determined to be responsive and open the price bids previously determined to be substantially responsive and technically acceptable with intimation.

## **11. Post-qualification**

- 11.1 Notwithstanding the qualification requirements given in this document, the Owner will determine to its satisfaction whether the Bidder selected as having submitted the lowest evaluated responsive bid is qualified to satisfactorily perform the Contract.
- 11.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be calculated. If there is a discrepancy between the words and figures, the amount in words shall prevail.
- 11.3 The Owner reserves the right to negotiate with the lowest evaluated responsive bidder.
- 11.4 An affirmative determination will be a prerequisite for award of the Contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Owner will proceed to the next lowest evaluated bid to make a similar determination of that bidder's capabilities to perform satisfactorily.

## **12. Award Criteria**

The Owner will award the Contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined as the lowest evaluated bid provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily for the items offered.

## **13. Notification of Award**

- 13.1 Prior to the expiration of the period of bid validity, the Owner will notify the successful Bidder in writing by or cable or telex or fax, to be confirmed in writing by post, that its bid has been accepted. The notification of award may be sent in the form of Letter of Intend and/or Work order.
- 13.2 The signed acceptance of the notification of award & execution of agreement in the format attached on proper stamp paper by the Contractor will constitute a concluded contract.
- 13.3 Upon the successful Bidder's furnishing of Security Deposit, the Owner will discharge EMD submitted by unsuccessful bidders.

#### **14. Security Deposit and Agreement**

14.1 Simultaneously with the execution of the contract successful bidder shall furnish a Security deposit in the form of a Demand Draft from a nationalised bank drawn in favour of HLL Lifecare Ltd, Thiruvananthapuram payable at Thiruvananthapuram or a Bank Guarantee from a nationalised bank, for an amount equal to 5% of the total contract value as Security Deposit for his faithful execution of contract. The Security deposit should be valid until successful completion of the contract and acceptance of the Equipment/works by the Owner and will be released after acceptance of the Equipment by the Owner.

In case of a delay in the works the validity of security deposit shall be extended.

14.2 Within 21 days of the receipt of notification of award from the Owner; the successful Bidder shall furnish the security deposit in the form of a Demand Draft or Bank Guarantee in the security deposit form to be sent along with the Notification Of Award.

14.3 Failure of the successful Bidder to accept the notification of award or submission of security deposit within the timeframe shall constitute sufficient grounds for the annulment of the award and forfeiture of the EMD, in which even the Owner may make the award to the next lowest evaluated bidder or call for new bids.

14.4 The successful bidder should also sign an agreement with HLL on proper stamp paper within 21 days of award of work. The agreement format is enclosed as **Schedule V**.

#### **15. Earnest Money**

15.1 Each bid must be accompanied by E.M.D.

15.2 The EMD is required to protect the Owner against risk of Bidder's conduct, which would warrant the security's forfeiture

a. The EMD shall be in the form of Demand Draft from a nationalized bank drawn in favour of HLL Lifecare Limited, Thiruvananthapuram payable at Thiruvananthapuram.

b. E.M.D. of the unsuccessful bidders will be released after tabulating tenders, keeping only the earnest money of the first three lowest bidders. The earnest money deposit of the remaining two unsuccessful

bidders will be released after the acceptance of the notification of award by the successful bidder.

- c. In the case of successful bidder, the Earnest Money will be returned after signing the agreement and submission of Demand Draft towards Security Deposit, which they will have to offer for the faithful execution of the contract.

15.3 The EMD may be forfeited:

- (a) If a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Document; or
- (b) In case of the successful Bidder, if the Bidder fails:
  - (i) to sign the agreement.
  - (ii) to furnish security deposit.
  - (iii) does not accept the correction of his bid price pointed out by HLL

## **SCHEDULE - II**

### **GENERAL CONDITIONS OF CONTRACT**

#### **1. PROJECT INFORMATION**

The detailed information of the project given below is as per Owner's present requirement. However, it is not binding on the Owner in any way and shall not govern the scope of works.

#### **2. LOCATION**

The machines are proposed to be fabricated at HLL's Peroorkada Factory, Trivandrum as per **Drawing No.HLL-CED-EPT-039-00** and to be installed and commissioned in the HLL's factory at Cochin Special Economic Zone, Kochi.

#### **3. PRICE**

Price quoted should be firm without any escalation till the order is completely executed and should be for complete Fabrication, Assembly, Leading, Installation, Integration, Testing and Commissioning of Conveyor Type Electronic Testing Machine as per Schedule on a turnkey basis as per the terms and conditions of this bidding document.

#### **4. TAXES / DUTIES / LEVIES**

The rates quoted for each item should be inclusive of all applicable taxes and duties and any other levies for the successful fabrication, Assembly, Leading, Installation, Integration, Testing and Commissioning of the Testing machines.

#### **5. INSURANCE**

The Fabricator shall at his own expense carry and maintain insurance with reputed insurance companies to the satisfaction of the Owner as under:

i) Insurance of employees:

The Fabricator shall accept full and exclusive liability for the compliance of all obligations and responsibilities imposed by the Employees State Insurance Act, 1948 and its amendments and any liability or penalty which may be imposed by the Central, State or Local Authorities due to the reason of violation by the Contractor or sub-Contractor of the Employees State Insurance Act, 1948 and its amendments. The Contractor shall agree to fulfill

the requirement of the Employees State Insurance Corporation and maintain the declaration forms and all such forms, which may be, required in respect of the Contractor's, sub-Contractor's employees who are employed in the work provided for or those covered by E.S.I.C. from time to time under the agreement. The Owner shall retain such sum as may be necessary from the total contract value until the Contractor shall furnish satisfactory proof that all contributions as required by the Employees State Insurance Act, 1948 and its amendments have been paid by him.

ii) Workmen's Compensation:

Insurance shall be affected for all the Contractor 's employees engaged for this contract. The Contractor shall also carry and maintain all other insurance, which may be required under any law or regulations from time to time. He should also carry and maintain any other insurance, which may be required by the Owner.

iii) Loss or damage and Indemnity Agreement:

The Contractor shall be responsible during the progress of work as well as guarantee period for any liability imposed by law for any damage to work or any part thereof or to any of the material or other things including those of Owner used in performing the work or for injury to any person or persons or for any property damaged in or outside the site. The Contractor shall indemnify and hold the Owner harmless against all liabilities, claims, loss or injury, including costs, expenses and attorney's fees incurred in the defense of same, arising from any allegation whether groundless or not, of damage or injury to any person or property resulting from the performance of the work or from any material used in the work or from any condition of the work or work site or from any cause whatsoever during the progress and maintenance of the work.

iv) Third party insurance:

Before commencing the execution of the works the Contractor, but without limiting his obligations and responsibilities, shall insure against his liability for any material or physical damage, loss or injury which may occur to any property, including that of the Owner, or to any person, including any representative of the Owner, by or arising out of the execution of works or in the work being carried out by the Owner, by or arising out of the provision of clause 5 (iii) here of. Such insurance shall be affected with an insurer and in terms approved by the Owner.

v) The Contractor shall take suitable **Insurance** policy, jointly in the name of HLL Lifecare Limited and the Contractor and the insurance should be

valid till the satisfactory completion of the work. The copy of the policy shall be deposited with HLL before commencing the work.

## 6. ESCALATION

The rates quoted by the Contractor in the contract documents shall be final and shall not be subjected to any change due to the increase in labour wages or inflation in the cost of materials or any other price variations due to any reason during the stipulated time period of the contract or during the extended time period of completion.

## 7. PAYMENT TERMS

The payment terms are as follows:-

- a) 80% of the each running bill amount will be released monthly against the bill verified and certified by HLL on actual measurement basis.
- b) 15% of each running bill up to commissioning will be released after successful commissioning and handing over of each machine.
- c) Balance 5% of the each running bill will be retained as retention amount, which shall be released after the defect liability period of 12 months or on submission of a Bank Guarantee for an equal amount from a nationalized bank valid for 1 year from the date of successful commissioning and handing over. No interest shall be paid on the retention amount.

Tax Deduction: All statutory deductions like Service tax, Income Tax, E.S.I., P.F. or any other government imposed liabilities for this labor contract shall be borne by the Contractor (as applicable at the time of execution of job) and shall be deducted from each bill submitted by the Contractor.

Owner will not entertain the presentation of documents through Bank.

## 8. DEFECT LIABILITY PERIOD

The defect liability period of the work shall be 12 months from the date of completion of the work and this date will start from successful completion and handing over. If any damage or defect occurs in the work during this period then the Contractor shall rectify the damage or defect at his own expense to the satisfaction of the Owner. If the Contractor fails to do so, then the Owner shall have the authority to get the work done by other means and the expenditure incurred shall be recovered from the Contractor.



Even if Inspection and/or tests are fully carried out by Owner or their representatives, the Contractor is not absolved to any degree of his responsibility to ensure that all equipment fabricated comply strictly with the requirements as per specifications given in the order, and the Owner shall be free to point out any defect till the defect liability period is over.

**9. MATERIALS:**

The consumables, tools, tackles, scaffolding and testing equipments etc required for fabricating the machines are to be supplied by the Fabricator. HLL will only supply the materials for fabrication. The safe storage of materials supplied shall be the responsibility of the Contractor.

**10. PERIOD OF COMPLETION**

The machines should be successfully commissioned at Owners site within **TWO MONTHS** from the date of notification of award.

Time being the essence of the Contract, the completion period stipulated should be strictly adhered to. Delay in erection and commissioning of the equipment will cause loss and/or damage to Owner. The completion period shall be counted from the date of sending of Owner's intimation of acceptance of the Contractor's offer (Letter of Intent (LOI) and/or Work order).

The equipment should be erected, tested, commissioned and handed over to Owner strictly within the time stipulated.

**11. FABRICATION SCHEDULE**

The Contractor shall furnish to Owner, a PERT/BAR CHART, within 15 days of receipt of the Order. The PERT/BAR Chart, should give all important milestones. If any of the initial or intermediary milestones gets delayed for any reasons, the Contractor shall adjust the subsequent milestones in such a way that the final date for handing over of the equipment as per the Order is not effected.

**12. PROGRESS REPORT**

During execution of the contract, the Contractor shall furnish bi-weekly progress reports to the Owner indicating the progress achieved during the week and the total progress up to the last week as against scheduled and anticipated completion dates in respect of key phases of the work. The Contractor shall also furnish any other information in order to ascertain progress, if called for by the Owner.

### **13. LIQUIDATED DAMAGES FOR DELAYS**

If the equipment is not erected, commissioned and handed over to the Owner within the time stipulated in the Order, Owner may at their option, either (1) recover from the Contractor liquidated damages at the rate of 0.5 % of the total contract value for every week of delay, subject to a maximum of 7.5 % of the total contract value, or (2) at the risk and cost of the Contractor and without prejudice to the other remedies/rights as per the Contract, terminate the order wholly or partially and complete it themselves or reassign it to other contractors.

### **14. INSPECTION AND TESTING**

HLL shall have the right to inspect and measure the progress of execution of the Order. The Fabricator should make available all tools, instruments, apparatus, equipment, facilities and services to enable the Owner's nominee to carryout such inspection/tests without obligations. Notwithstanding any such inspection/tests carried out, the equipment shall be accepted only after successful commissioning at the site and the inspection/tests carried out earlier will not relieve his contractual obligations for conforming to the specifications under the Order.

### **15. DEFAULT BY CONTRACTOR**

If the Contractor fails to maintain progress and quality of work proportionate to time period allotted for the work in spite of notices or complete the work within the stipulated time period or extended time period, then the Owner shall have the right:

- i) To determine the contract: In this event, the contract shall be terminated by giving written notice to the Contractor and the unfinished works shall be got completed by labours engaged by the Owner or through other agency at the risk and cost of the Contractor.
- ii) Without determining the contract: In this event, the remaining works shall be got executed through a fresh Contractor in which case the Contractor shall not have any objection or claim on this account.
- iii) Before determining the contract: In this event, if the Owner finds that the defaults of the Contractor can be rectified, then an opportunity shall be given to the same Contractor to rectify the defects /defaults in the specified time.

- iv) Termination of contract for death: If the Contractor is an individual of a proprietary firm and proprietor of the firm dies and if the Contractor is a Attorney of partnership firm and dies, then the Owner has the right to terminate the contract unless and until the Owner is satisfied that the surviving partners are capable of executing and completing the remaining contract. In case of termination of contract, the legal representatives of the deceased Contractor are not entitled for any compensation or claim. Also, the Owner shall not levy any penalty against the damage caused by incomplete work.
- v) Termination of Contract in part or in full for CONTRACTORS default: If the Contractor fails to execute the work in the manner described in the contract documents or if he at any time, in the opinion of the Owner:
  - a) Fails to carry out the works in accordance with the contract conditions or as per the specifications mentioned in the documents.
  - b) Stops the execution of works without giving prior information to the Owner.
  - c) Fails to carry out the works to the satisfaction of the Owner both with respect to qualities and time schedule.
  - d) Fails to supply sufficient or suitable tools, tackles, materials and labours etc.
  - e) Commits breach of any of the provisions of the contract.
  - f) Abandons the work.
  - g) Becomes bankrupt during the continuance of the work.

The Owner can terminate the contract in part or in full.

#### **16.DELAY IN WORK EXECUTION DUE TO REASONS BEYOND CONTRACTOR'S CONTROL**

- 16.1 Force majeure: If the execution of work is delayed due to force majeure, then Owner as per the affected period may extend the time period.
- 16.2 In case work is delayed due to non-availability of stores supplied by Owner or any decision by Owner holding the progress of work, the contractor then upon any such happening causing delay shall immediately but not later than 10 days, give notice thereof in writing to the Owner, but nevertheless use constantly his best effort to prevent or make good delay.

The Owner may in his discretion grant such extension of time as may appear reasonable to him and the same shall be communicated to the contractor in writing and shall be final and binding on him and the contractor shall be bound to complete the work within such extended time

## **17. COMMITMENT OF CONTRACTOR**

1. Interpretation of Contract documents:
2. All the documents forming part of the contract are to be taken as mutually explanatory, supplementary and complementary to each other. If there is any error, omission or discrepancy in any of them, it shall be brought to the notice of the Owner. The decision of the Owner shall be final and binding. The Contractor shall execute the work accordingly.
3. The Contractor shall examine all the contract documents thoroughly including the scope, nature and magnitude of works he has to execute in accordance with the contract documents.
4. There may be change in layout of site as per technical requirements and the Contractor shall not be entitled for any claim due to such changes & should carry out such changes.

## **18. STAFF AND WORKERS**

The Contractor shall depute qualified engineers for execution of the project. The technical staff employed by the Contractor shall be responsible for the quality and workmanship of the work as per the satisfaction of the Owner. The Contractor's supervisory staff should follow the instructions given by Owner or his authorised representative. If any of the Contractor's staff members is incapable or in-experienced, in the opinion of the Owner, then he should be removed immediately and the Contractor should do suitable substitution.

Technical staff employed should be degree holder from a government-recognized institution or equivalent with at least 3 years practical experience of work in addition to Diploma holders and other experienced supervisory staff.

If the workers or the supervising staff of the Contractor are involved in riotous or illegal activities to such an extent that it becomes necessary to hand over the matter to the police then the Contractor would be solely responsible for the case and all the expenses incurred in the legal proceedings shall be borne by the Contractor.

## **19. CO-OPERATION WITH OTHER AGENCIES AT SITE**

The Contractor or his authorised representatives must work in close co-operation with the agencies executing other works forming the part of the project and also with the representatives of the Owner for the execution of works which are not included in the contract. Contractor shall permit free access and generally afford reasonable facilities to other agencies or departmental workmen etc.

The Contractor's quoted amount/rate shall be deemed to cater for all the above contingencies and nothing extra shall be admissible on this account.

Contractor should keep his working site clean and the materials brought for work shall be kept in a properly stacked / stored way. The work site should be swept at the end of each working day after removal of debris / left over materials. The Contractor has to take full care so as not to spoil or damage other Contractor's/ Owner's job / material.

## **20. SAFETY OF ADJOINING PROPERTIES**

The Contractor or his authorised representatives should conduct all the operations necessary for the execution of works in such a manner that no inconvenience / damage is caused to the properties of other persons & Owner.

## **21. SETTLEMENT OF DISPUTES**

Any disputes or differences or questions or claims arising under or relating to or touching this agreement shall be referred for arbitration to a Sole Arbitrator under the provisions of the Arbitration and Conciliation Act 1996 or any statutory modification or re-enactment thereof for the time be in force. The award passed by the arbitrator shall be final and binding on the parties hereto.

The contract shall be deemed to have been concluded at Thiruvananthapuram, Kerala and suits and proceedings, if any, shall be only in the courts of competent jurisdiction in Thiruvananthapuram.

The venue of arbitration shall be the place from where the contract is issued.

## **22. EXECUTION OF WORK**

### **General:**

All the works shall be executed in accordance with the detailed drawings, specifications and instructions to be given by the Owner or mentioned in the contract document.

### **Drawings:**

The drawings given in the tender document are as per our present requirement and are meant for the purpose of giving idea of the type and quantum of work to be executed. The Contractor has to examine the existing machines at Owner's facility and discuss with Owner for the exact requirement. He should execute the work as per the detailed working drawings given to him from time to time for execution.

### **Inadequate/substandard works:**

If any work executed by the Contractor is found to be of bad workmanship or not as per the drawings, then the same is to be dismantled and re-executed by the Contractor without claiming any extra payment or extension in time period.

### **Default of Contractor in compliance:**

If the Contractor or his authorised representative fails to follow the instructions given by the Owner regarding any of the works, then the same shall be got executed by other persons employed by the Owner and the expenses incurred shall be borne by the Contractor.

### **Discrepancies between instructions:**

If any discrepancy occurs between the various instructions conveyed to Contractor or his authorised representative or if any misunderstanding arises between the Contractor's staff and Owner's staff, the Contractor shall report the matter immediately to the Owner. The decisions of Owner shall be final and binding. Moreover, no claims for losses due to discrepancies between instructions, doubts or misunderstandings shall be admissible.

**Change in specifications:**

If there is any variation in specification or any change in make of item, then it has got to be approved from the Owner prior to installation or execution. The rate for the works not mentioned in the schedule will be derived from the rates of similar works mentioned in the schedule of work.

**Work not specified in the specification:**

If, for any work, no specification has been given in the tender document, then the work will be executed as per the IS specifications, and if the work is not covered by IS specifications also, then it should be executed as per standard engineering practice, subject to the approval of the Owner.

**23. LIABILITIES FOR DEFECTS AND RECTIFICATIONS**

If it shall appear to the Owner that any work has been executed with imperfect or unskilled workman, or of quality inferior to that contracted for, or otherwise not in accordance with the contract, the Contractor shall on demand in writing from the Owner or his representative specifying the work, notwithstanding that the same may have been inadvertently passed, certified and paid for, forthwith rectify or remove and reconstruct that work so specified at his own charges and cost, and in the event of failure to do so within a period to be specified by the Owner or his demand aforesaid, the Owner may on expiry of notice period rectify or remove, re-execute the work at the risk of Contractor and the cost shall be recovered from the Contractor. The decision of the Owner as to any question arising under this clause shall be final and conclusive.

**24. CARE OF WORKS**

From the commencement to the completion of works, the Contractor shall take full responsibility for the care of all works including all temporary works and in case any damage or loss occurs then the Contractor shall at his own cost repair and make good the same so that on completion of the work, the same shall be in good order in every respect in accordance with the contract and to the satisfaction of the Owner.

## **25. LABOUR LAWS AND SAFETY REGULATIONS**

### **Labour Laws:**

- i) Labourers below the age of 18 years shall not be employed on the work.
- ii) The Contractor shall not pay less than what is specified by the law to labourers engaged by him on the work.
- iii) The Contractor shall, at his own expenses, comply with all labour laws and the Owner shall not be responsible for any recovery/penalty imposed by the respective authorities for violating the labour laws.
- iv) If the Contractor is covered under the Contract Labour (Regulation & Abolition) Act, he shall obtain a license from the licensing authority (i.e. the Office of Labour Commissioner), by payment of the necessary prescribed fee and deposit, if any, before starting the work.
- v) The Contractor shall furnish to the Owner, the details of the workers employed on the works.
- vi) The Contractor shall comply with the provisions of the existing rules and regulations relating to labour laws.
- vii) The Owner shall on a report having been made by an inspecting officer as defined in Contract Labour (Regulation and Abolition) Act, 1980, have the power to deduct from the amount due to the Contractor any sum required or estimated to be required for making good the losses suffered by a worker or workers by reason of non-fulfillment of the conditions of the contract for the benefit of the workers, or if deductions made from his or their wages which are not justified by the terms of contract or non-observance of the said regulations.

### **Minor Accident on Duty:**

For cases of minor accident on duty not covered under compensation by insurance, the Contractor shall have to compensate the affected person by reimbursing these medical expenses against submission of actual expenditure document. The absence from duty, if takes place, due to such accident shall be considered as special leave and full payment shall have to be made for duration of such absence.

### **Provident Fund:**

It shall be solely the Contractor's responsibility to complete all provident fund formalities as per statutory regulations.



## **26. SAFETY CODE:**

### **Safety and Protection:**

The Contractor shall adhere to safe construction practice and guard against hazardous and unsafe working conditions. While carrying out the work, the Contractor should provide for;

- i) Safety of personnel engaged in the construction.
- ii) Protection and safety of works and materials during their progress.
- iii) Sanitary and hygienic conditions of working and living for his workers, as required by the Owner.

### **Use of Safety Gadgets:**

The Contractor shall have to ensure availability and use of all desired safety gadgets like safety belts, helmets, goggles, hand gloves etc.

### **Unsafe working condition:**

If any activity is found to be progressing without proper and complete safety measures (including use of safety gadgets) being implemented, the Contractor may be asked to stop the work unless he fulfills the desired safety norms. Such delays shall not be allowed to be considered for extension in duration of the allotted time period.

### **First Aid:**

The Contractor shall provide first aid facilities for his employees and those of his sub-CONTRACTORS. The requisite first aid box and medicines should always be available at work site.

### **Contractor's Barricades:**

The Contractor shall erect and maintain barricades required in connection with his operations to guard or protect: -

- i) Excavations
- ii) Hoisting Areas
- iii) Areas adjudged hazardous by the Contractor's or Owner's representatives.
- iv) Charged electrical panels.

- v) Owner's existing property liable to get damaged by Contractor's operation.

**Preservation of peace:**

The Contractor shall take precautions to prevent any riotous or unlawful behavior by his workers, for the preservation of peace and protection of inhabitants and the security of property in the neighborhood of the work.

**27. DETAILS OF WORK EXECUTION**

- i) The work shall be done in such a manner so as to clear work front availability for other agencies working at site.
- ii) Finish of work shall be as per drawings & details given by Owner.
- iii) In general the complete work is to be done as per Indian Standard and esthetical norms as specified and detailed in Tender.

**28. ELECTRICITY & WATER**

Electricity and Water charges for fabrication works will be borne by HLL.

**29. CONTRACTOR'S SCOPE OF SUPPLY**

All consumables required for executing the jobs specified in the Schedule of Work, inclusive of welding gases, protective gears, all tools, tackles, scaffolding, consumables & testing equipments shall be procured and supplied by the Contractor at his own cost except for any items specified as Owner supplied.

**30. RECOVERY FROM THE CONTRACTOR**

- i) If the Contractor or his employees damage or destroy the property of the Owner, then the same shall be replaced/ refunded by the Contractor; otherwise the expenses may be recovered from his bill or security deposit.
- ii) All compensation & recoveries to be made as per terms of the contract shall be deducted from the Contractor's bill or security deposit.
- iii) Forfeiture of Security Deposit: Whenever any claim against the Contractor is to be recovered then the same may be made from the security deposit. If the Contractor abandons the work or leaves the work incomplete, then the Owner has the right to forfeit the security deposit.

### **31. SPECIAL INSTRUCTIONS**

- a) The work should be carried out in truly professional manner, neatly finished with proper line, level and plumb. Cleanliness and finishing of the job is of utmost importance. Hence the job should be done most carefully with best workmanship. For all finishing jobs samples should be approved from the Owner before completely executing the work.
- b) The Owner should be immediately informed for any discrepancy in drawings, specifications and instructions in the execution of job before actual execution of particular item having discrepancy.
- c) Any item found to be having been executed with poor workmanship then the Contractor shall have to rectify /reconstruct the work as specified by Owner. No extra charge will be admissible in such case. If CONTRACTORS fails to do so, the Owner reserves the right to rectify/reconstruct the work through some other agency at the expenses of Contractor.
- d) The schedule of activities as submitted by the Contractor shall have to be strictly adhered to. Regular progress reports shall have to be submitted by the Contractor giving all details for monitoring of the schedule.
- e) Special care is to be taken for cleanliness of the site. After the end of day's work, the site should be cleaned immediately.
- f) The Contractor shall have to co-operate with the agencies executing other works in the same area.
- g) While executing the work, the Contractor shall ensure safety and security of the property of the Owner so as to avoid theft etc.

### **32. SECRECY**

HLL Lifecare Limited is the sole owner of the technology, equipment specification and drawings given along with the bidding document and to be given to the Contractor. The details given to bidders and Contractor should be kept confidential and should not be used for any other purpose or should not be used or transferred to third party. The Contractor has to sign a secrecy agreement with the Owner.

**SCHEDULE III****DETAILED SPECIFICATION OF CONVEYOR TYPE ELECTRONIC TESTING MACHINE**

<b>I.</b>	Name of Equipment	Conveyor Type Electronic Testing Machine.
<b>1.</b>	Quantity Required	<b>1 No.</b>
<b>2.</b>	Test item	Natural Rubber Latex Male Contraceptive Condoms
<b>3.</b>	Test Mandrels suitable to test following size of male condoms	Width = 49+/-2 mm, Length=170mm (Min), Thickness= 0.045 to 0.08mm and Width = 53+/-2mm, Length= 180mm(Min), Thickness=0.045 to 0.08mm
<b>4.</b>	No. of Testing stations	<b>4 Nos</b>
<b>5.</b>	Speed	90moulds/min
<b>6.</b>	Capacity	0.58 MPcs/2shift
<b>7.</b>	Test voltage	1000V – 2000V, DC adjustable
<b>8.</b>	Air pressure	7 Bar (max)
<b>9.</b>	Process average for pinholes	Should be less than 1.5 AQL
<b>10.</b>	Process average for tight rolling& visual defects	should be less than 1.5 aql
<b>11.</b>	Final wastage (throw away) from covering operations	should be less than 0.25%
<b>12.</b>	Good in bad	should be less than 10%
<b>II.</b>	<b>Constructional details</b>	<b>As per general assembly Drg. No. HLL-CED-EPT-039- 00</b>
	Dimensions	13000 L x 2700 W x 2260 H (mm).
<b>A.</b>	<b>BLOCK- A</b>	Drg. No. HLL-CED-EPT-039- 01
a)	Mild Steel structural frame	Quantity -1 no. Dimension-2000Lx2700 B x 2260 (H)mm Material – MS Square tube, Channels Angles, Flats etc.
b)	Main sprocket and its	Quantity – 2No.s,Pitch-170, No: of teeth

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	attachments	35, Bearings, Plummer block with sleeves and covers, shaft Ref : Drawing no.HLL-CED-251-00
c)	Geared Motor	Qty: 1 No, Helical- Bevel type, 0.75 KW, Reduction ration - 1:580, Output rpm: 2.95RPM 3 Phase AC, Foot mounting with centering
<b>B.</b>	<b>BLOCK - B</b>	Ref .Drawing no. HLL-CED-039-02
a)	Mild Steel Structural Frame	As per Drawing Dimensions -4500LX2700BX2260H Material – MS Square tube, Channels Angles, Flats etc.
b)	High voltage testing unit(flap unit)	Quantity : 2Nos. Ref .Drawing no. HLL-D-081-03
c)	Mould rotation unit	Quantity : 2Nos Ref. Drawing no.HLL-CED-EPT-043& HLL-D-114-00
d)	Rolling up device	Quantity : 2Nos Ref : Drawing no.HLL-D-104-00 HLL-D-1147-00
e)	Collection chutes	Quantity :4nos.each (left& right) Ref. Drawing no.HLL-D-140-00& HLL-D-140-01 : 2nos. (straight) Ref. Drawing no.HLL-D-140-02 Material : SS304
<b>C</b>	<b>BLOCK C</b>	Ref .Drawing no. HLL-CED-039-03
a)	Mild Steel Structural Frame	Quantity – 1No. Dimensions -4500LX2700BX2260H Material – MS Square tube, Channels Angles, Flats etc.
b)	High voltage testing unit(flap unit)	Quantity: 2Nos.

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		Ref .Drawing no. HLL-D-081-03
c)	Mould rotation unit	Quantity : 2Nos Ref. Drawing no.HLL-CED-EPT-043& HLL-D-114-00
d)	Rolling up device	Quantity : 2Nos Ref : Drawing no.HLL-D-104-00 HLL-D-1147-00
e)	Collection chutes	Quantity :4nos.each (left& right) Ref.Drawing no.HLL-D-140-00& HLL-D-140-01 : 2nos. (straight) Ref.Drawing no.HLL-D-140-02 Material : SS304
<b>D</b>	<b>BLOCK -D</b>	
a)	Mild Steel structural frame	Quantity -1 no. Dimension-2000Lx2700 B x 2260 (H)mm Material –MS square tube 80x80x3.2mm Ref .Drawing no. HLL-CED-039-04
b)	Rear sprocket and its attachments	Quantity – 2No.s,Pitch-170, No: of teeth 35,Location –D Block Bearings, Pillow block bearings with sleeves and covers tensioned unit, etc. complete Ref :Drawing no.HLL –EPT-251-00
<b>E</b>	Conveyor Chain	Chain Conveyor System, Sprockets and one pairs of Endless roller chains connected together to hold the metal moulds. Chain conveyorSpeed-90 moulds/min (Conveyor should smoothly run through the contour in the above mentioned speed) Ref : Drawing no.HLL-D-136-00Approx. 30m x 2 nos Pitch :130 mm Alignment Track Fixation Former

		Rotation Curve Clearance <b>Location : Block A ,B , C &amp;D</b>
<b>F</b>	Rail guide and fixing accessories	For the chain conveyor contour- 50 X50X 4MM MS Angle 16 X 16 MM Poly Amide Rail <b>Location : Block A ,B , C &amp; D</b>
<b>G</b>	Metal Mould Assembly	425Nos <b>Location : Block A ,B , C &amp;D</b>
<b>H</b>	Moulds	Metallic moulds <b>Location : Block A ,B , C &amp;D</b>

**Scope of Fabricator: -**

The Fabrication Contractor should fabricate, assembly and integrate all the machine blocks as per the drawings. The contour rails for the chain conveyor to be fabricated –In the A, B, C& D blocks both bottom & top using MS Angle section (50x50x6) mm and 16X16mm Poly amide rail etc complete. He should assemble, install and integrate the contour with front sprocket and rear sprocket and provide the conveyor chain. The conveyor chains shall be driven by 1HP motorised gearbox of reduction ratio 1:580 as mentioned above. The 425 nos. (approx) of moulds with mould holders will be fixed to these chains. The fabricator should ensure the smooth running of chain through this contour, at No Load (without moulds) the current consumption should not exceed the limiting values at the maximum conveyor speed of 90 moulds per minute with moulds.

After the assembly & integration, the sprocket assembly with drive assembly shall be tested at site on No load & Full load conditions, meeting relevant IS/IEC test standards.

**NOTE: -**

1. Given specification are indicative only. The Bidder should visit the plant and see the machines and also take their own assessments before the quoting of bids. Prior permission from HLL shall be taken for visiting the plant. No photographs will be allowed inside the plant. The purchaser will not be responsible for any wrong quotes due to inadequate information.
2. The Fabrication Contractor shall provide all the manpower, equipments, necessary scaffolding, tools such as welding (TIG/ARC) and gas cutting equipments, forming/bending machines, drilling & grinding machines, other tools & tackles and consumables such as welding rods, cutting gas, drill bits, taps, dies etc required for completing the work successfully in time. The work should be carried out as per the specifications and to the complete satisfaction of HLL officials. HLL will provide all the drawings, materials, fasteners, paint, primer etc. required for the work.
3. The Fabrication Contractor has to fabricate the machines block-wise in an identified location provided by HLL Lifecare Limited and then assemble all blocks and conduct trial run. After the successful trial run, the machines has to be dismantled block wise and then each block has to be reassembled, integrated, tested and commissioned at HLL factory at Cochin Special Economic Zone, Kochi to the full satisfaction of the Owner.



SCHEDULE IV					
SCHEDULE OF WORK					
SUB: FABRICATION,ASSEMBLY,INSTALLATION, INTEGRATION ,TESTING AND COMMISSIONING OF CONVEYOR TYPE ELECTRONIC TESTING MACHINE AS PER DRAWING REF. NO. HLL-CED-EPT-039-00 - REG.					
SL.NO.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE (RS)	AMOUNT (RS)
1	FABRICATION, ASSEMBLY, INSTALLATION AND INTEGRATION OF MS STRUCTURE AND SUPPORTS (IS 2062) INCLUDING CUTTING, BENDING, FORMING, WELDING, RIVETING, FASTENING, DRILLING, TAPPING, FINISHING ETC. COMPLETE FOR FABRICATION OF CONVEYOR TYPE ELECTRONIC PIN HOLE TESTING MACHINE AS PER DRAWING REF. NO.HLL-CED-EPT-039-00	KG	6000		
2	CONVEYOR CHAIN				
a)	FABRICATION, ASSEMBLY, INSTALLATION AND INTEGRATION OF CONTOUR FOR CHAIN CONVEYOR USING MS ANGLE (50X50X6 MM), MS FLAT ETC. FOR THE ENTIRE TRACK COMPLETE.	KG	500		
b)	FABRICATION, ASSEMBLY, INSTALLATION AND INTEGRATION OF 16X16MM SIZE POLY AMIDE RAIL WITH NECESSARY DRILLING/TAPPING ETC. TO THE CONTOUR AS PER DRAWING	MTRS	70		
c)	ASSEMBLY, INSTALLATION, INTEGRATION, TESTING AND COMMISSIONING OF MAIN SPROCKET ASSEMBLY (DRIVING END) WITH DRIVER SHAFT, BEARINGS, GEARED MOTOR, SUPPORTING FRAMES ETC. COMPLETE IN BLOCK A AS PER DRAWING NO.HLL-CED-251-00	LS	2		
d)	ASSEMBLY, INSTALLATION, INTEGRATION, TESTING AND COMMISSIONING OF REAR SPROCKET ASSEMBLY (DRIVEN END) WITH DRIVEN SHAFT, TENSION ADJUSTMENT SYSTEM, BEARINGS, SUPPORTING FRAMES ETC. COMPLETE IN BLOCK D AS PER DRAWING NO.HLL-CED-251-00	LS	2		
e)	INTEGRATION OF CONTOUR WITH FRONT SPROCKET AND REAR SPROCKET	LS	4		
f)	ASSEMBLY, INSTALLATION AND INTEGRATION OF CONVEYOR CHAIN ASSEMBLY COMPLETE AS PER DRAWING REF NO.HLL-D-136-00	MTR.	140		
g)	ASSEMBLY, FIXING, INSTALLATION, TESTING AND INTEGRATION OF METAL MOULD SHAFT ASSEMBLY ON CONVEYOR CHAIN INCLUDING ALIGNMENT ETC COMPLETE AS PER DRAWING REF. NO.HLL-D-083-02	NOS	500		
h)	FABRICATION AND INSTALLATION OF CHAIN GAURDS WITH 4MM THICK POLYCARBONATE SHEET	MTR	25		
3	FABRICATION, ASSEMBLY, INSTALLATION AND INTEGRATION OF 4MM OR LESS THICK POLY CARBONATE SHEET ON 80X80X3.2MM MS SQUARE TUBE FRAME	SQ. MTR	30		

SCHEDULE OF WORK					
SUB: FABRICATION,ASSEMBLY,INSTALLATION, INTEGRATION ,TESTING AND COMMISSIONING OF CONVEYOR TYPE ELECTRONIC TESTING MACHINE AS PER DRAWING REF. NO. HLL-CED-EPT-039-00 - REG.					
SL.NO.	ITEM DESCRIPTION	UNIT	QUANTITY	RATE (RS)	AMOUNT (RS)
4	<b>BLOCK B AND BLOCK C</b>				
a)	ASSEMBLY, INSTALLATION AND INTEGRATION OF HIGH & LOW VOLTAGE TESTING UNIT WITH FLAP UNITS ETC. COMPLETE (REF.DRG NO.HLL-CED-081-03C)	NOS.	4		
b)	ASSEMBLY, INSTALLATION AND INTEGRATION OF MOULD ROTATING SYSTEM INCLUDING MOTOR ASSEMBLY ETC. COMPLETE (REF.DRG NO.HLL-D-114-00 & HLL-D-114-01)	NOS.	4		
c)	ASSEMBLY, INSTALLATION AND INTEGRATION OF CONDOM ROLLING MECHNISM WITH PTFE ROLLERS INCLUDING MOTOR ASSEMBLY (AFTER TESTING) AND SLIDING UNIT OF MOTOR DRIVE ADJUSTMENT ETC. COMPLETE	SET	4		
d)	ASSEMBLY, INSTALLATION AND INTEGRATION OF NOZZLE ARRANGEMENT SYSTEM FOR CONDOM EJECTING MECHANISM WITH DRY FILTERED AIR (FOR GOOD & BAD CONDOMS) ETC. COMPLETE AS PER DRAWING REF NO.HLL-D-132-00	PAIRS	2		
e)	ASSEMBLY, INSTALLATION AND INTEGRATION OF SS CHUTES WITH FRAME FOR GOOD & BAD CONDOMS ETC. COMPLETE (REF.DRG NO.HLL-D-140-00,HLL-D-140-01,HLL-D-140-02)	PAIRS	4		
f)	ASSEMBLY, INSTALLATION AND INTEGRATION OF DUST EXTRACTION SYSTEM WITH BLOWER & HOSES ETC. COMPLETE (REF.DRG.NO.HLL-CED-EPT-038-00)	SET	1		
g)	ASSEMBLY, INSTALLATION AND INTEGRATION OF CRATE SUPPORTING STAND	NOS.	4		
5	FABRICATION, ASSEMBLY, INSTALLATION AND INTEGRATION OF HANDRAIL WITH SS304 PIPES AS PER DRAWING NO.HLL-D-115-00	KG	200		
6	FABRICATION, ASSEMBLY, INSTALLATION AND INTEGRATION OF 0.25 INCH/0.5 INCH/0.75 INCH/1 INCH SIZE MS OR GI AIR LINES WITH NECESSARY CONNECTIONS & FITTINGS INCLUDING VALVES, FILTERS, SOLENOIDS, PRV ETC. COMPLETE	MTR	50		
7	FABRICATION AND INSTALLATION OF MS FRAMES FOR FIXING MAIN PANEL BOARD (SIZE-0.6X.2M(APPROX.))	NOS.	1		
8	FABRICATION AND INSTALLATION OF MS FRAMES FOR FIXING OF COUNTERS	NOS.	4		
9	FABRICATION AND INSTALLATION OF MS FRAMES FOR FIXING OF SUB PANEL BOARDS	NOS.	4		
10	FABRICATION, INSTALLATION AND INTEGRATION OF 6MM THICK ALUMINIUM CHEQUERED PLATES ON MS STRUCTURE	SQM	60		

<b>SCHEDULE OF WORK</b>					
<b>SUB: FABRICATION,ASSEMBLY,INSTALLATION, INTEGRATION ,TESTING AND COMMISSIONING OF CONVEYOR TYPE ELECTRONIC TESTING MACHINE AS PER DRAWING REF. NO. HLL-CED-EPT-039-00 - REG.</b>					
<b>SL.NO.</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>RATE (RS)</b>	<b>AMOUNT (RS)</b>
11	SPRAY/ BRUSH PAINTING OF MACHINE & STRUCTURES AS PER THE FOLLOWING SPECIFICATIONS:  PAINTING WITH 2 COATS OF POLYURETHANE PAINT, MATT FINISH (MAKE: BASF) OF COLOR AND SHADE APPROVED BY THE OWNER AFTER:  • PROPERLY PREPARING THE SURFACE BY SCRAPPING, CLEANING & LEVELLING WITH METAL PUTTY ETC., • COATING ANTICORROSIVE PRIMER (OTHER THAN SS PARTS)	SQM	500		
12	ASSEMBLY, INSTALLATION AND INTEGRATION OF ALL THE MACHINE BLOCKS (A, B, C & D) AT HLL, PEROORKADA FACTORY SITE	L/S	1		
13	UNFASTENING, SHIFTING & LEADING OF MACHINE BLOCKS (A, B, C & D) SAFELY, AS PER THE DIRECTIONS FROM SITE-IN-CHARGE	MTRS	100		
14	TRIAL RUN OF THE CONVEYOR TYPE ELECTRONIC TESTING MACHINE ENSURING SMOOTH AND TROUBLE FREE RUNNING OF CONVEYOR CHAIN THROUGH THE FABRICATED CONTOURS AS PER THE DIRECTIONS OF HLL ENGINEER-IN-CHARGE				
a)	AT NO LOAD CONDITION, WITHOUT MOULDS (CURRENT CONSUMPTION SHOULD NOT EXCEED 1.3A AND SHOULD MEET RELEVANT IS/IEC TEST STANDARDS)	L/S	2		
b)	ON LOAD CONDITION WHILE RUNNING AT A MAXIMUM CONVEYOR SPEED OF 90 MOULDS/MINUTE WITH MAXIMUM MOULDS (CURRENT CONSUMPTION SHOULD NOT EXCEED 2A AND SHOULD MEET RELEVANT IS/IEC TEST STANDARDS)	L/S	1		
15	ASSEMBLY, INSTALLATION AND INTEGRATION OF ALL THE MACHINE BLOCKS (A, B, C & D) AT HLL, KAKKANADU SITE	L/S	1		
16	ASSISSTING HLL IN VALIDATION AND COMMISSIONING OF THE FABRICATED CONVEYOR TYPE ELECTRONIC TESTING MACHINE WITH INTEGRATED SYSTEMS, AUXILIARIES, ACCESSORIES ETC. COMPLETE TO THE SATISFACTION OF HLL ENGINEER-IN-CHARGE.	L/S	1		
<b>TOTAL AMOUNT IN RS.</b>					
<b>SERVICE TAX &amp; OTHER APPLICABLE TAXES, IF ANY</b>					
<b>GROSS AMOUNT IN RS. (INCLUDING TAXES)</b>					
<b>( IN WORDS)</b>					
I agree to execute the works as per schedule, at the rates quoted by me as above					
<b>SIGNATURE OF THE CONTRACTOR</b>					

**SCHEDULE V**

**STAMP PAPER AGREEMENT**

AN AGREEMENT made this the \_\_\_\_\_ day of \_\_\_\_\_ 2015 between M/S \_\_\_\_\_ here in after called the CONTRACTOR which expression shall include its executors, administrators, legal representative and assigns of the first part and **M/S. HLL LIFECARE LIMITED** (here in after called the PURCHASER) of the second part. WHEREAS the PURCHASER is desirous of ----- at ----- as per Drawings & specification the Purchaser and the CONTRACTOR has/have by his/their tender dated \_\_\_\_\_ as amended by the CONTRACTOR's letter no. \_\_\_\_\_ dated \_\_\_\_\_ after negotiation offered to execute and fully complete the above work in the PURCHASER'S Premises for the Purchaser as set forth in the tender or as amended and Conditions of Bid, General Conditions of Contract, Detaile Specifications, Schedule of Work, ISI specification, drawings, according to the terms and conditions contained there in for a total sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) and the PURCHASER has accepted such item rate/percentage rate/Lump sum tender in terms of its letter no. /dtd. \_\_\_\_\_.

\_\_\_\_\_

\_\_\_\_\_

SIG.OF THE PURCHASER

SIG.OF THE CONTRACTOR

**NOW THIS AGREEMENT WITNESSETH AS FOLLOWS**

1. The CONTRACTOR covenant/s and agree/s with the PURCHASER that the CONTRACTOR/S with in the time of ----- Months from the date stipulated in the acceptance letter shall execute and fully complete all the works specified described or referred to in and by the said tender or as amended according to the true intent and meaning of the said tender or as amended and as per the Conditions of Bid, General Conditions of Contract, Detaile Specifications, Schedule of Work, ISI specification, drawings, & Instructions issued from time to time.

The CONTRACTOR convenant/s and agree/s with the PURCHASER to truly observe perform fulfill & submit to the said terms obligations and conditions referred above. Incase the CONTRACTOR fails to execute the work in the manner described in the General conditions of Contract or stops the execution of work or fails to carry out the works to the satisfaction of the PURCHASER with respect to quantity, quality and time schedule or abandons the work or becomes bankrupt then the PURCHASER will have right to terminate the contract and get the remaining work executed at the risk and cost of the CONTRACTOR. It is agreed that time is of the essence of this contract. Incase the work is not completed in the manner mentioned above to the complete satisfaction of the PURCHASER in every respect within the aforesaid time limit of ----- months from the date stipulated in the Work Order the CONTRACTOR/S agree/s to pay compensation of ½% of the value of the contract sum for each week of delay beyond the date stipulated for completion subject however to a maximum of 7.5% of the total value of the Contract sum.

2. In consideration of the satisfactory work executed by the CONTRACTOR/s with the provisions as stated above the PURCHASER covenant/s with the CONTRACTOR/S that it will pay to the CONTRACTOR/S from time to time in accordance with the Schedule Bill of quantities and various terms and conditions as contained in General Conditions of the contract, provided always that whether or not a work is satisfactory shall be decided by the PURCHASER and its decision in this behalf shall be final and binding.
3. Work Contract Tax & other applicable taxes or taxes as result of subsequent orders/ordinances/acts as issued by the State or Central Govt. from time to time shall be borne by the CONTRACTOR/S.
4. The CONTRACTOR shall abide by and shall be responsible for all statutory provisions of the Law such as labour laws & safety regulations etc.
5. This agreement further witnesseth that the CONTRACTOR/S hereby covenant/s with the PURCHASER that in the event of the nonfulfilment in any

respect by the CONTRACTOR/s of the said covenant/s terms, agreements, obligations and conditions on the part of the CONTRACTOR/S, the CONTRACTOR shall pay on demand to the PURCHASER all losses, damages, costs, charges and expenses as the PURCHASER may be directly or indirectly put to in consequence of such non fulfillment of contract by the CONTRACTOR/S.

6. In the event of any dispute arising out of or in connection with the arbitration proceedings, or any proceedings being taken subsequent to the arbitration proceedings, it is further agreed that only the courts in Thiruvananthapuram, Kerala shall have the sole jurisdiction in the matter.
7. The following documents are deemed to form part of the agreement, namely the tender, the priced Schedule of Work, the drawings issued for the work, Conditions of Bid, General Conditions of Contract, Detailed Specifications, Schedule of Work, all of which for the purpose of identification have been signed on behalf of the PURCHASER and by the CONTRACTOR/S. The relevant ISI will also form part of this agreement. The letter of Acceptance and their amendment etc. shall also form part of the agreement.
8. The agreement further witnesseth that the CONTRACTORS is responsible for any accident or other compensations payable to the workmen employed by and working under the control of CONTRACTORS, that the PURCHASER has no liability in the matter and that if any payment would have to be made by the PURCHASER, the same shall be re-imbursed by the CONTRACTORS on demand and or recovered from the dues of the CONTRACTORS. In witnesses whereof the said parties here to have here unto set their hands.
9. The PURCHASER is the sole owner of the technology, equipment specification and drawings given along with the bidding document and to be given to the CONTRACTOR. The details given to CONTRACTOR should be kept confidential and should not be used for any other purpose or should not be used or transferred to third party.

**FOR & ON BEHALF OF HLL LIFECARE LIMITED,**

SIG.OF THE PURCHASER

\_\_\_\_\_  
SIGN.OF THE CONTRACTOR

Date:

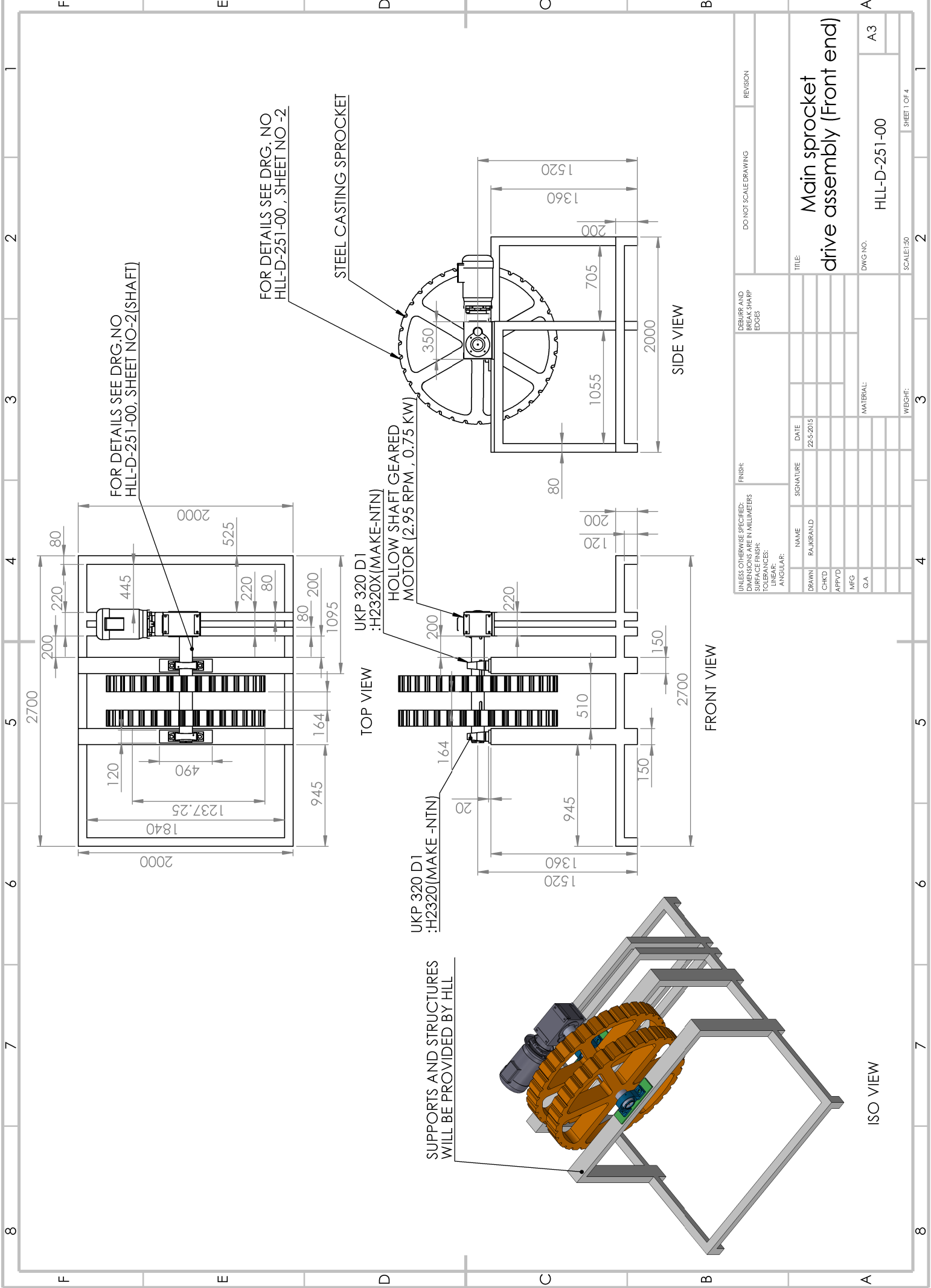
Witnesses:

1. \_\_\_\_\_  
2. \_\_\_\_\_

Witnesses:

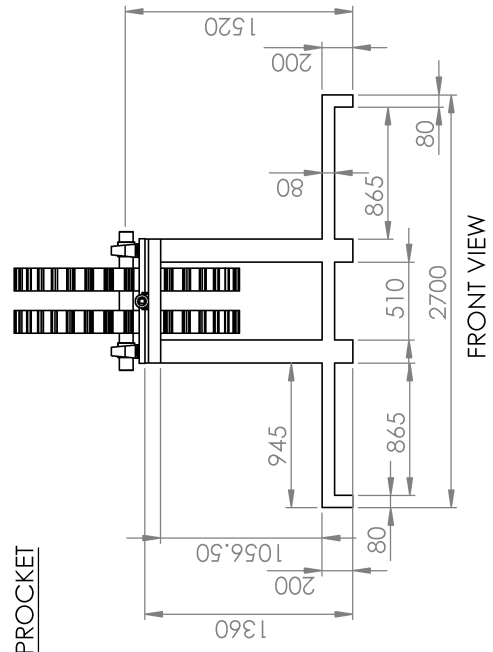
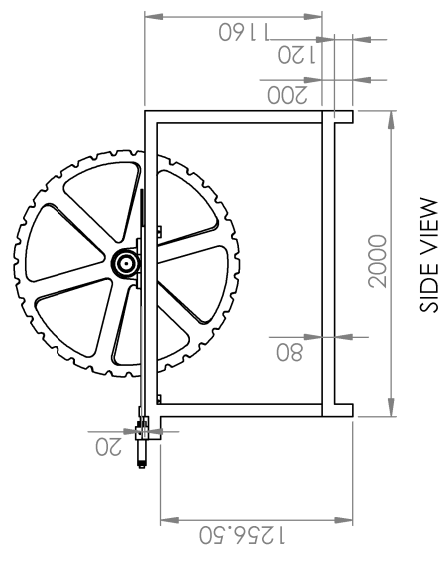
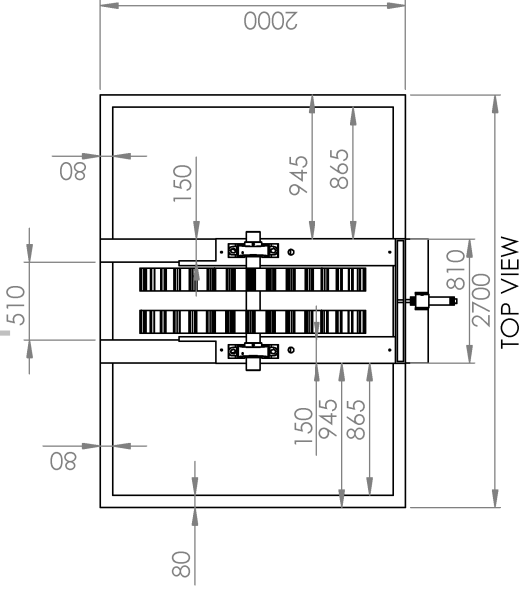
1. \_\_\_\_\_  
2. \_\_\_\_\_





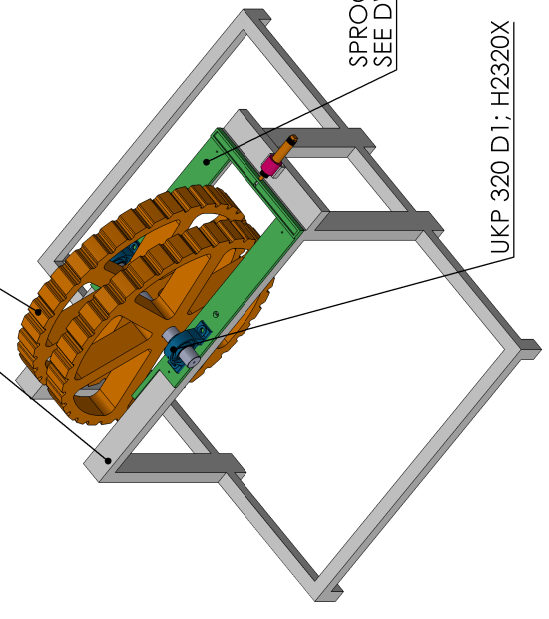
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TOLERANCES:		LINEAR:		ANGULAR:					
DRAWN	NAME	SIGNATURE	DATE					TITLE:	
CHKD	RAJIBRANID		25-5-2015					Main sprocket drive assembly (Front end)	
APPRD								DWG NO.	
MFG								HLL-D-251-00	
Q.A								MATERIAL:	
								A3	
								SCALE: 1:50	
								WEIGHT: 3	
								SHEET 1 OF 4	





STEEL CASTING SPROCKET

SUPPORTS AND STRUCTURES WILL BE PROVIDED BY HLL

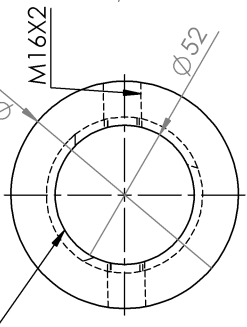


SPROCKET ADJUSTER MECHANISM  
SEE DWG. HLL-D-251-00, SH-4

UKP 320 D1; H2320X

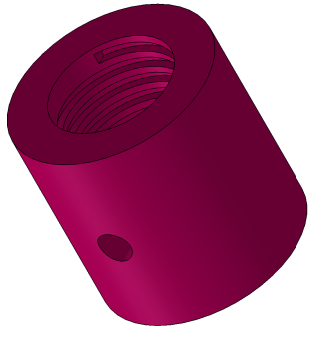
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SURFACE FINISH:		DO NOT SCALE DRAWING		DO NOT SCALE DRAWING	
TOLERANCES:		DEBURR AND BREAK SHARP EDGES		TITLE:	
LINEAR:		NAME		HLL-D-251-00	
ANGULAR:		SIGNATURE		DWG NO.	
		DATE		A3	
		25.5.2015		HLL-D-251-00	
		DRAWN		SCALE: 1:50	
		CHKD		WEIGHT:	
		APPVD		2	
		MFG		3	
		Q.A.		4	
		MATERIAL:		SHEET 3 OF 4	

8 MM PITCH SQ. THREAD

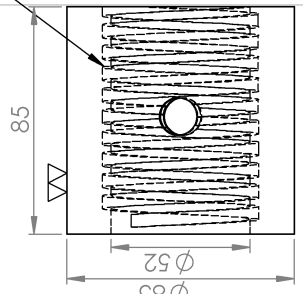


FRONT VIEW

MATERIAL- PHOSPHOR BRONZE

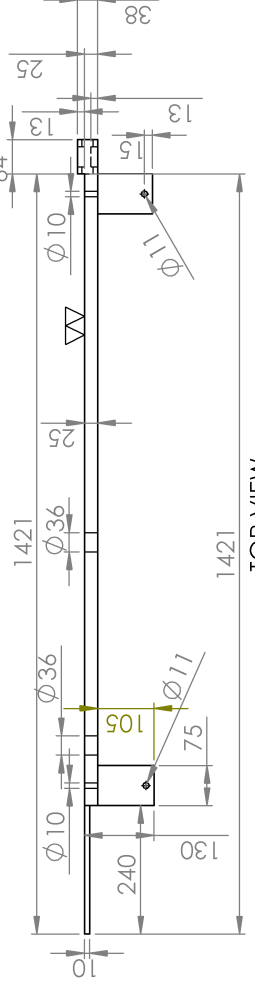


ISO VIEW



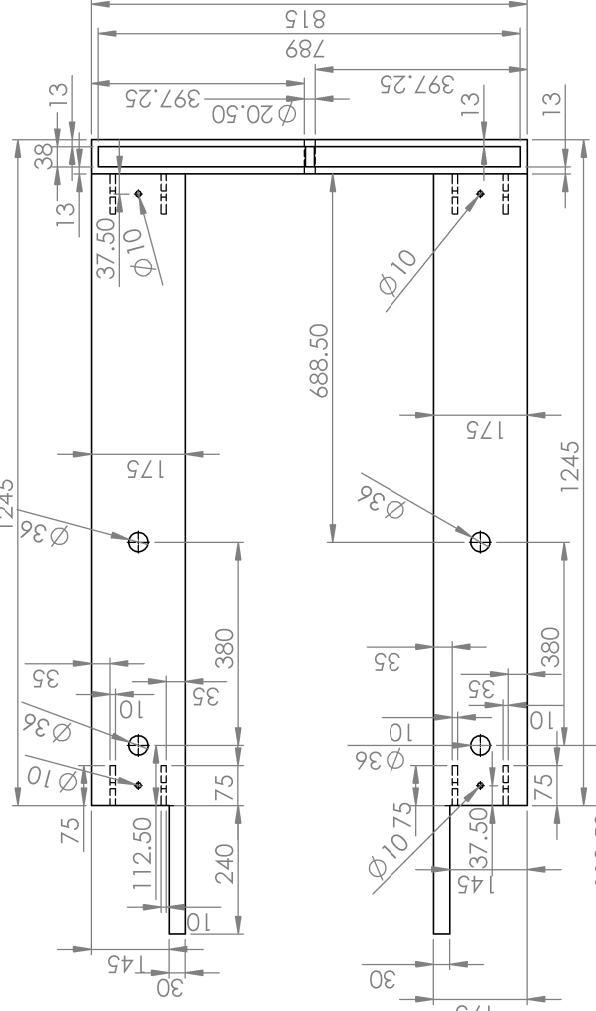
SIDE VIEW

8 MM PITCH SQ. THREAD

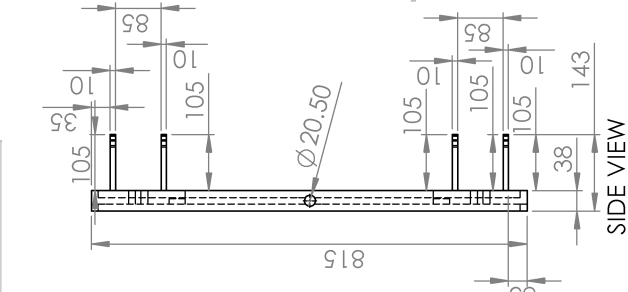


TOP VIEW

MATERIAL-MS

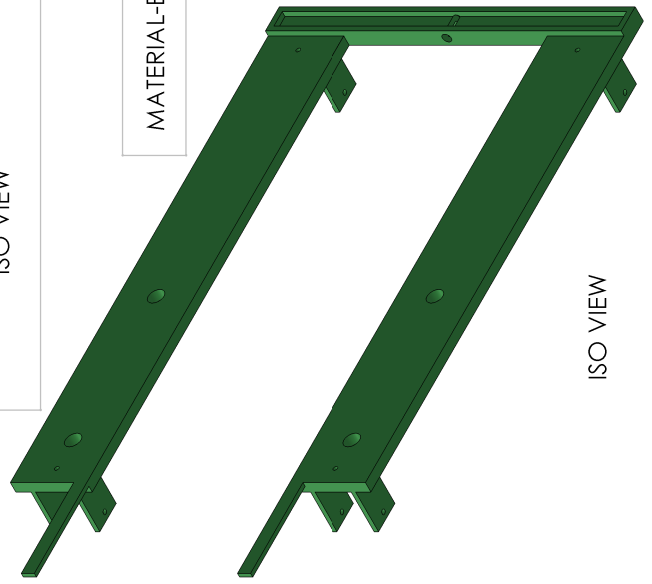


FRONT VIEW

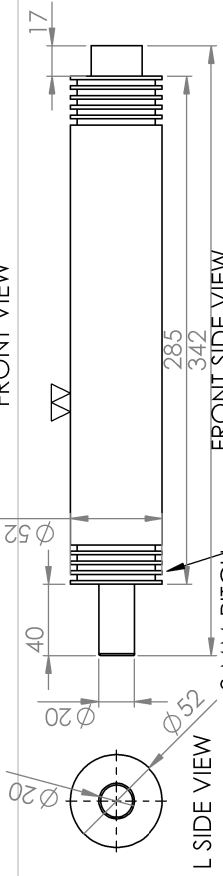


SIDE VIEW

MATERIAL-EN8



ISO VIEW



L SIDE VIEW

8 MM PITCH SQ. THREAD

FRONT SIDE VIEW

UNLESS OTHERWISE SPECIFIED: FINISH: SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:

DEBURR AND BREAK SHARP EDGES

DO NOT SCALE DRAWING

REVISION

MATERIAL- EN8 WITH NICKEL PLATING

NAME	SIGNATURE	DATE
DRAWN		25-5-2015
CHKD		
APPVD		
IMFG		
Q.A		

TITLE: SPROCKET ADJUSTING UNIT (REAR END)

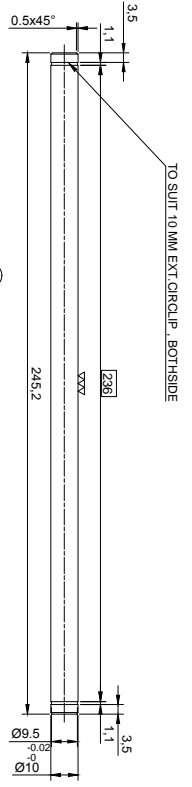
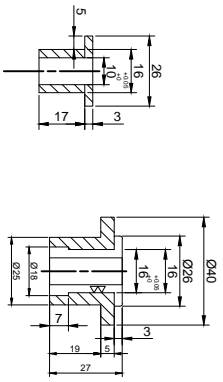
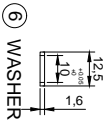
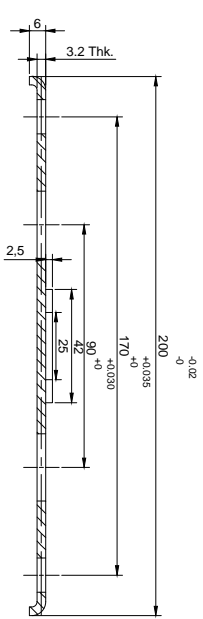
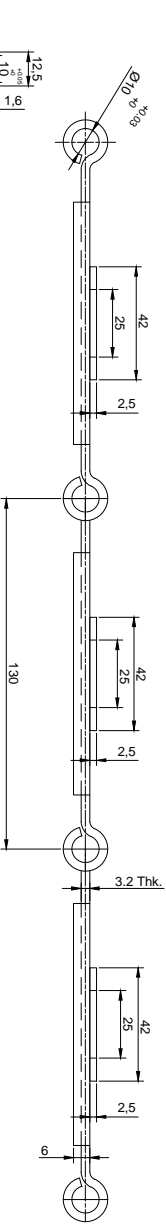
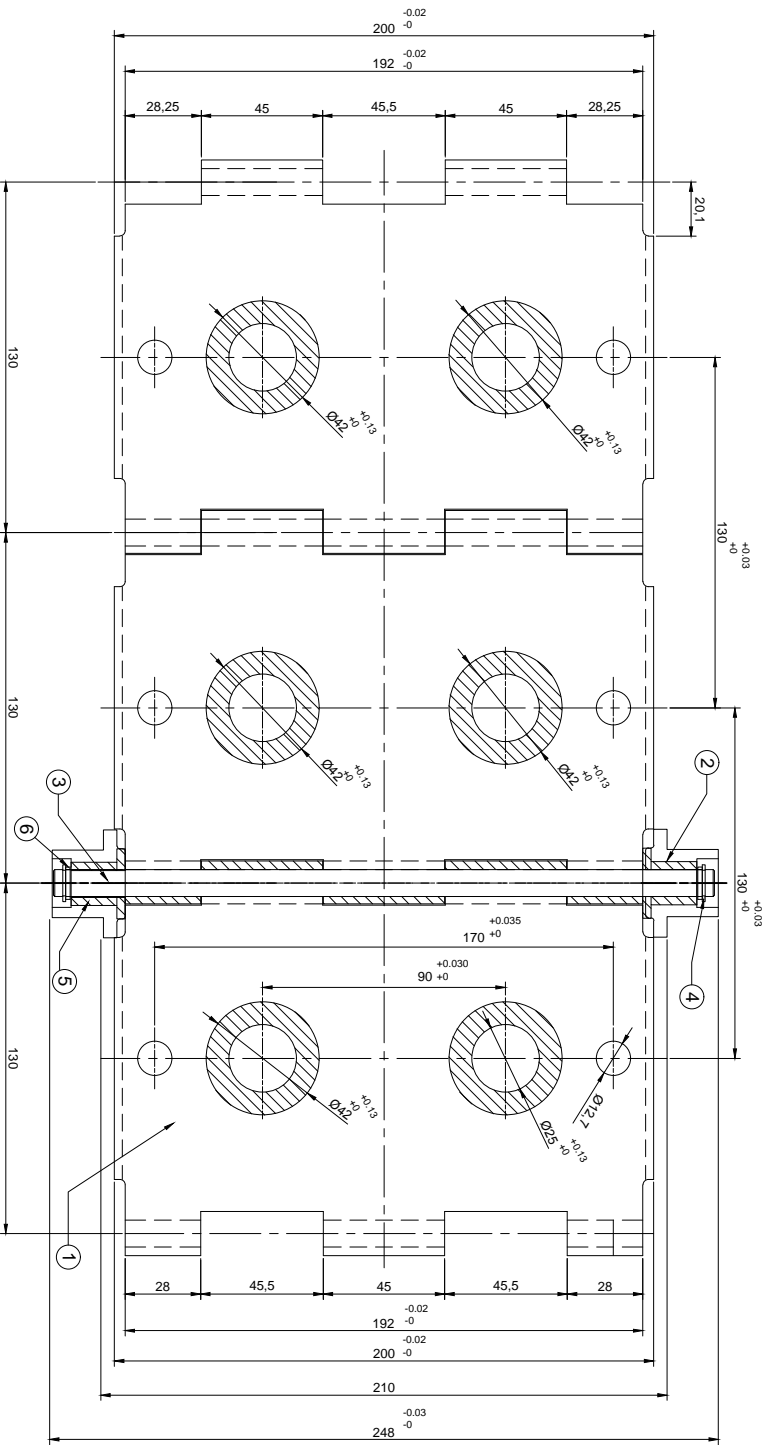
DWG NO. HLL-D-251-00

SCALE: 1:10

WEIGHT: 3

SHEET 4 OF 4

A3



⑤ BUSH  
(PB / BRONZE MIXED PTFE)

② ROLLER

③ PIN

⑥ WASHER

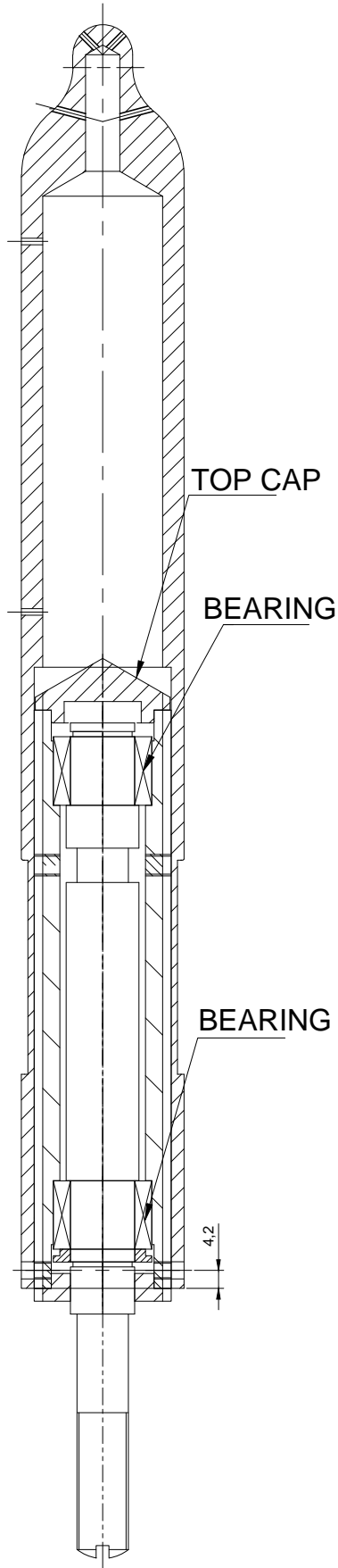
NOTE:-  
CHAIN COMPONENTS ARE PLATED BY  
HARD CHROMIUM

S.NO.	DESCRIPTION	MATERIAL	QTY	REMARKS
6	WASHER	GALVANIZED IRON		IS-2016-1967
5	BUSH	PB / BRONZE MIXED PTFE		
4	EXT CIRCLIP	SPRING STEEL		S-10 IS-3075-1965
3	PIN	EN24 (HRC 50) HARDENED AND GROUND		
2	ROLLER	CS-CASTING HRC 48		
1	CHAIN LINK	CARBON STEEL(SI-42 s)		

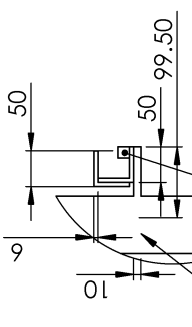
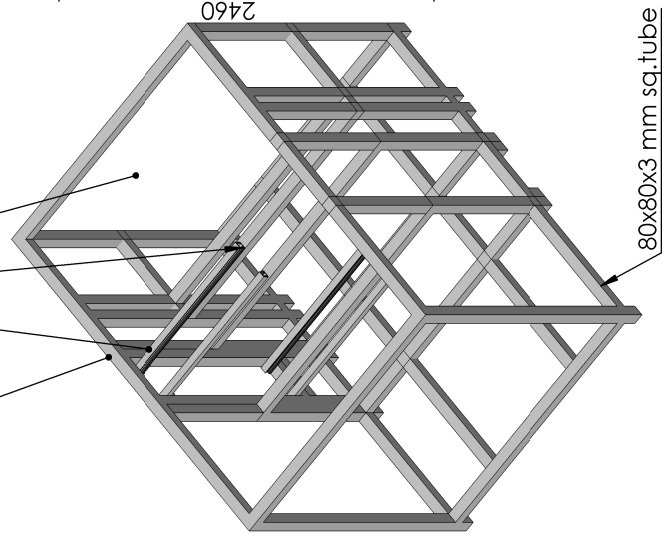
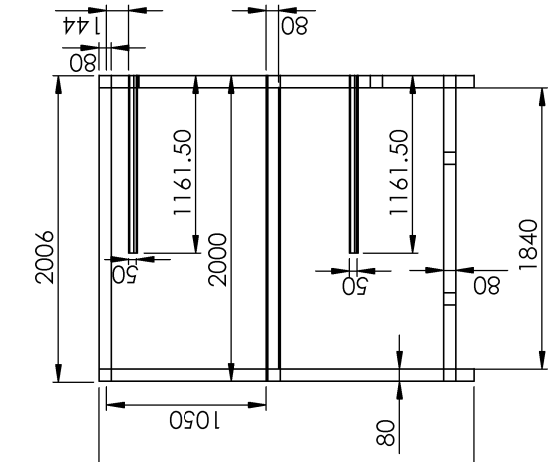
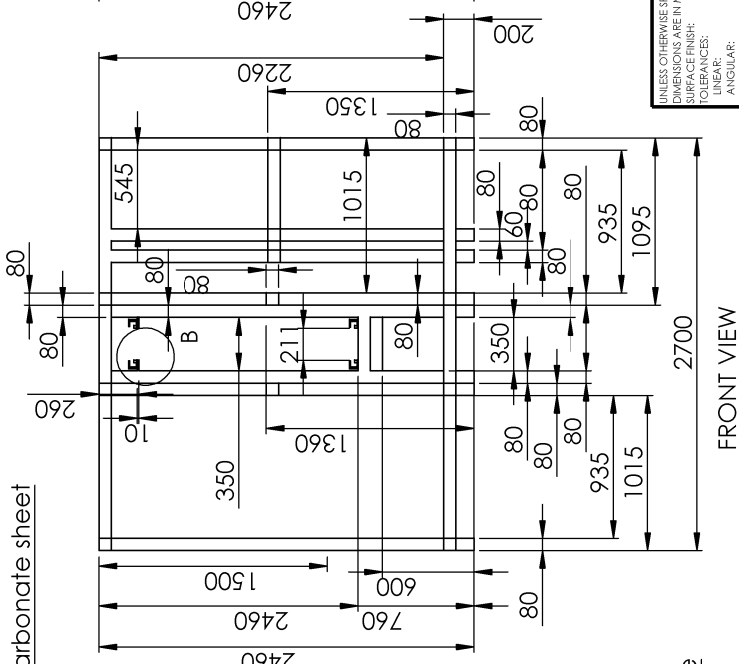
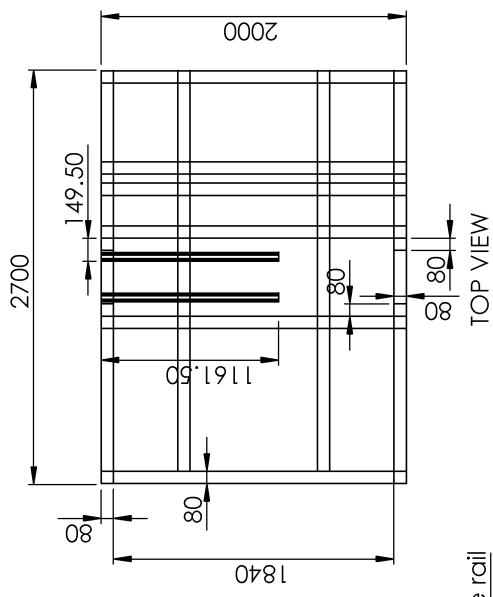
MATERIAL: HLL LIFECARE LTD  
Thiruvananthapuram-5

DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
APPROVED BY: \_\_\_\_\_  
DATE: 20-5-2015  
SCALE: \_\_\_\_\_  
SHEET NO 1 OF 1

TITLE: CONVEYOR CHAIN ASSEMBLY  
Drg.no:- HLL-D-136-00  
REV:- 0  
DATE: \_\_\_\_\_



MATERIAL: EN-24	<b>HLL LIFECARE LIMITED.</b>		NO:OFF.
	<b>THIRUVANANTHAPURAM-5</b>		
DRAWN BY: CHECKED BY: APPROVED BY:	PAUL	TITLE:- <b>ASSEMBLY OF MANDREL</b>	
DATE: SCALE:	29-12-01		Drg.no:- <b>HLL-D-083-02</b>
ALL DIMENSIONS ARE IN M.M			SHEET NO: 1 OF 2

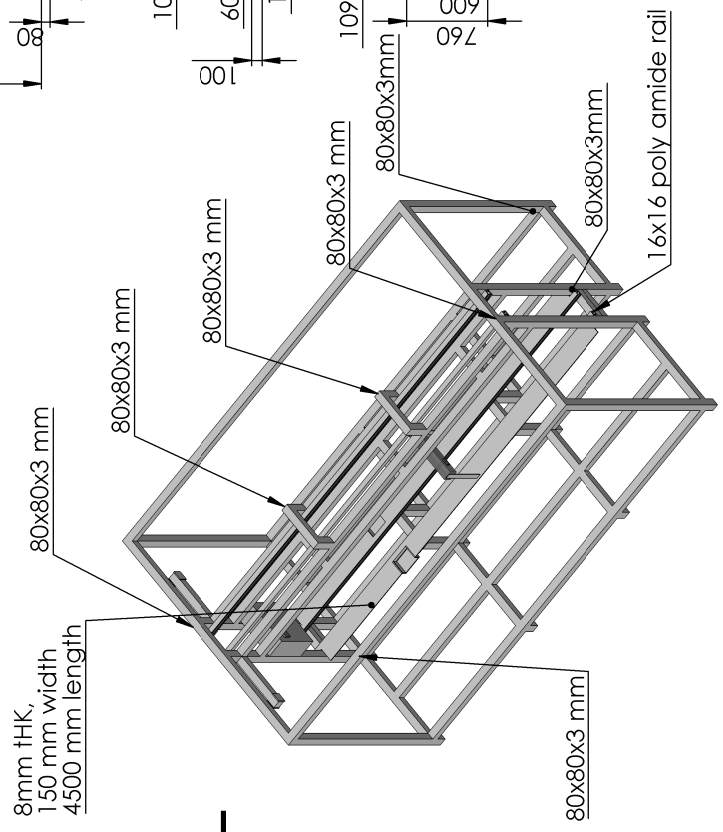
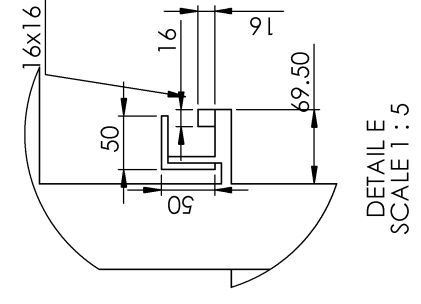
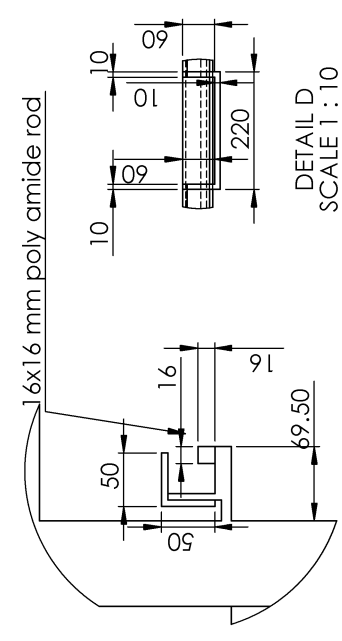
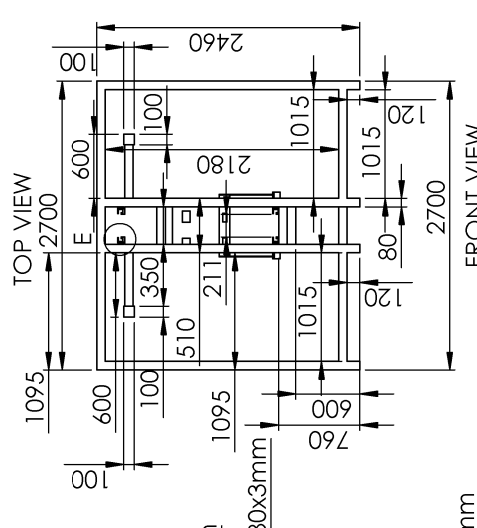
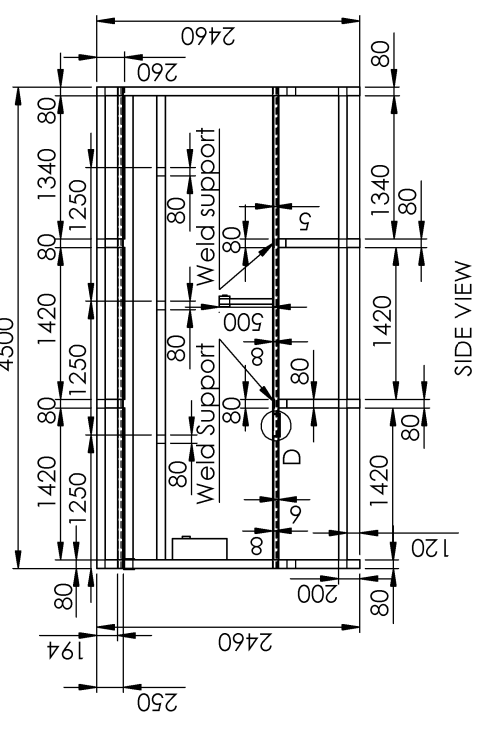
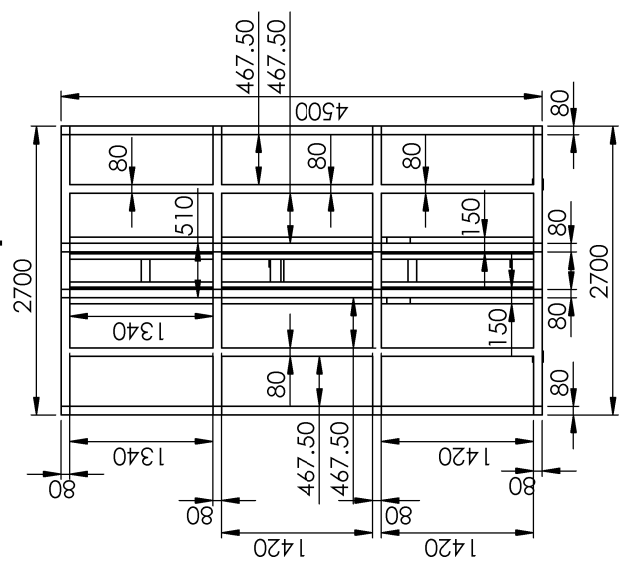


10 mm THICK PLATE  
16X16 MM POLY AMIDE RAIL

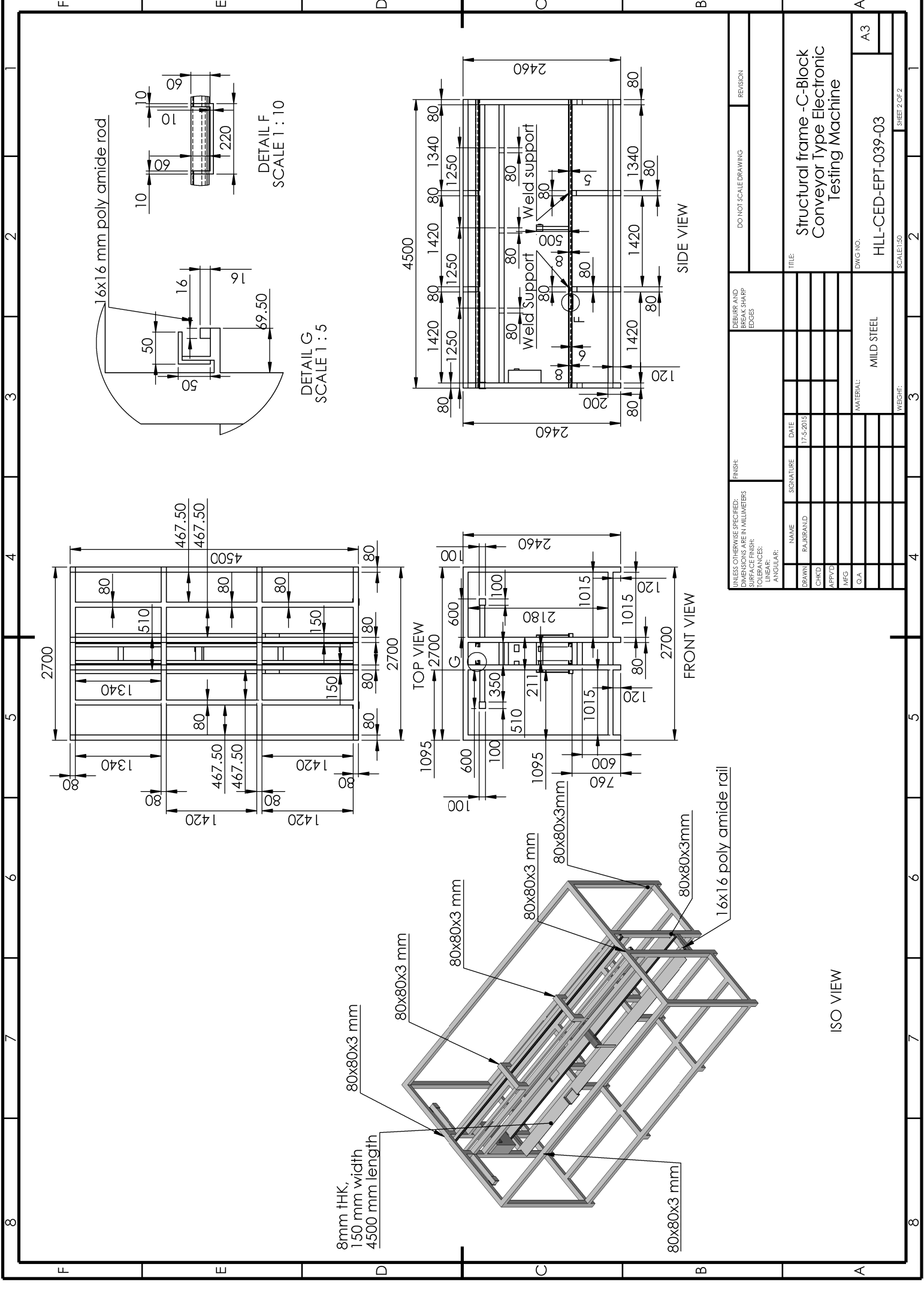
50x50x6 mm thk angle  
80x80x3 mm square tube

16x16 mm polyamide rail  
6 mm thk poly carbonate sheet

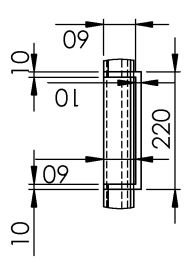
DO NOT SCALE DRAWING				REVISION	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH		DEBURR AND BREAK SHARP EDGES	
DRAWN	NAME	SIGNATURE	DATE		
CHKD	RAJIBANIL		17-5-2015		
APPVD					
MFG					
Q.A.					
TITLE: Structural frame -A-Block Conveyor Type Electronic Testing Machine(Main sprocket area)				MATERIAL: MILD STEEL	
DWG NO. HLL-CED-EPT-039-01				A3	
SCALE:1:50				WEIGHT: 3	
				SHEET 1 OF 1	



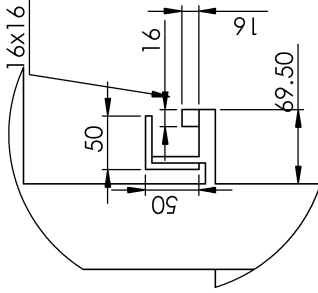
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS.		FINISH		REVISION	
SURFACE FINISH:		BREAK AND BREAK SHARP EDGES		DO NOT SCALE DRAWING	
TOLERANCES:		LINES:		TITLE:	
LINEAR:		ANGULAR:		Structural frame -B-Block	
CONSTRUCTION:		MATERIAL:		Conveyor Type Electronic	
MATERIAL:		MATERIAL:		Testing Machine	
MATERIAL:		MATERIAL:		HILL-CED-EPT-039-02	
MATERIAL:		MATERIAL:		DWG NO.	
MATERIAL:		MATERIAL:		SCALE: 1:50	
MATERIAL:		MATERIAL:		SHEET 1 OF 2	
MATERIAL:		MATERIAL:		A3	
MATERIAL:		MATERIAL:		2	
MATERIAL:		MATERIAL:		3	
MATERIAL:		MATERIAL:		4	
MATERIAL:		MATERIAL:		5	
MATERIAL:		MATERIAL:		6	
MATERIAL:		MATERIAL:		7	
MATERIAL:		MATERIAL:		8	



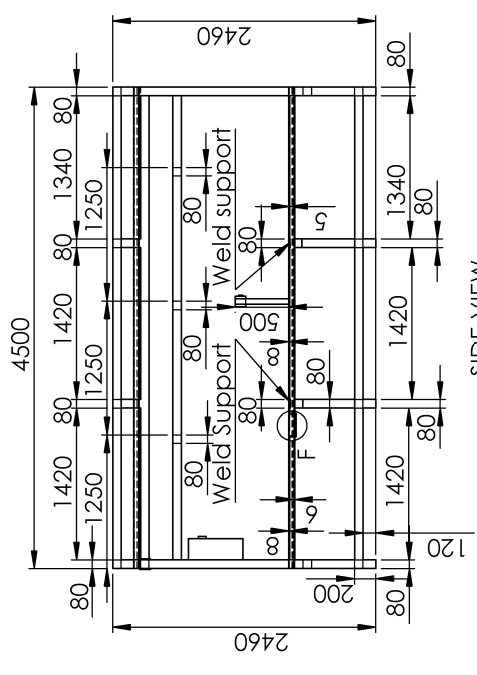
16x16 mm polyamide rod



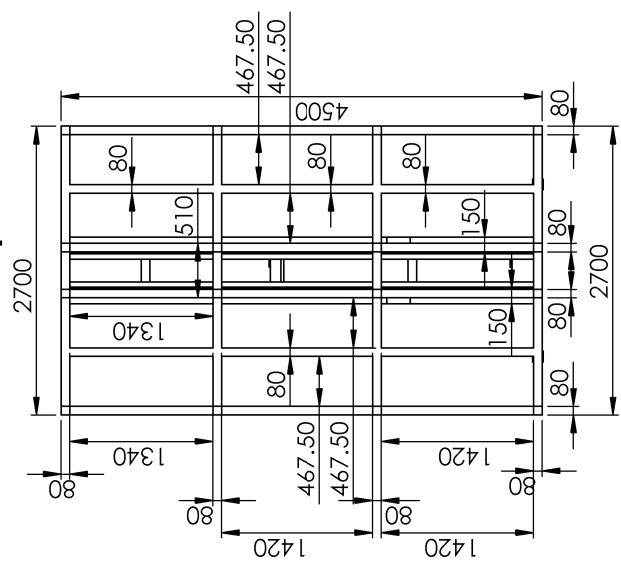
DETAIL F  
SCALE 1 : 10



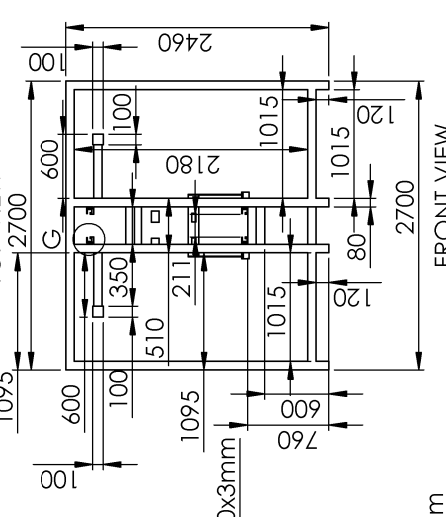
DETAIL G  
SCALE 1 : 5



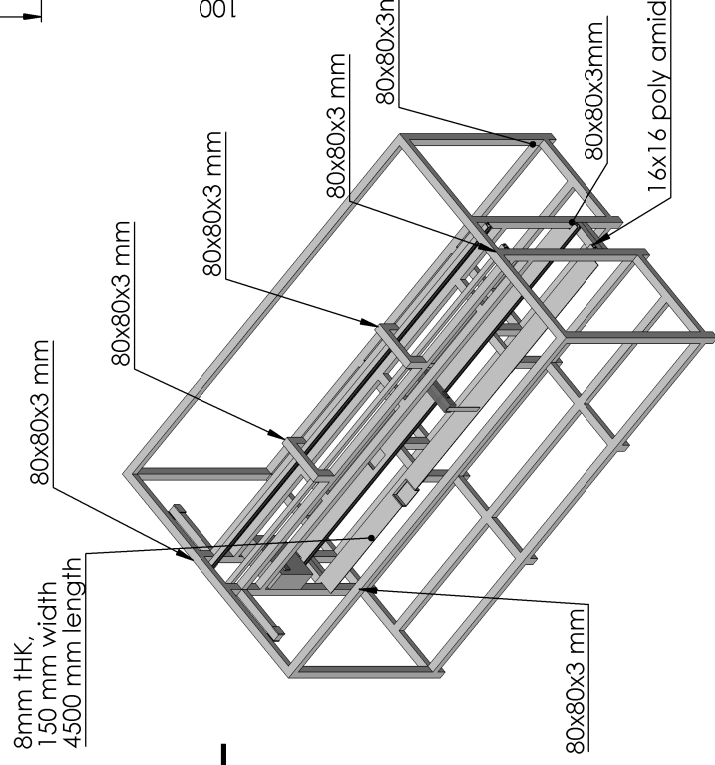
SIDE VIEW



TOP VIEW

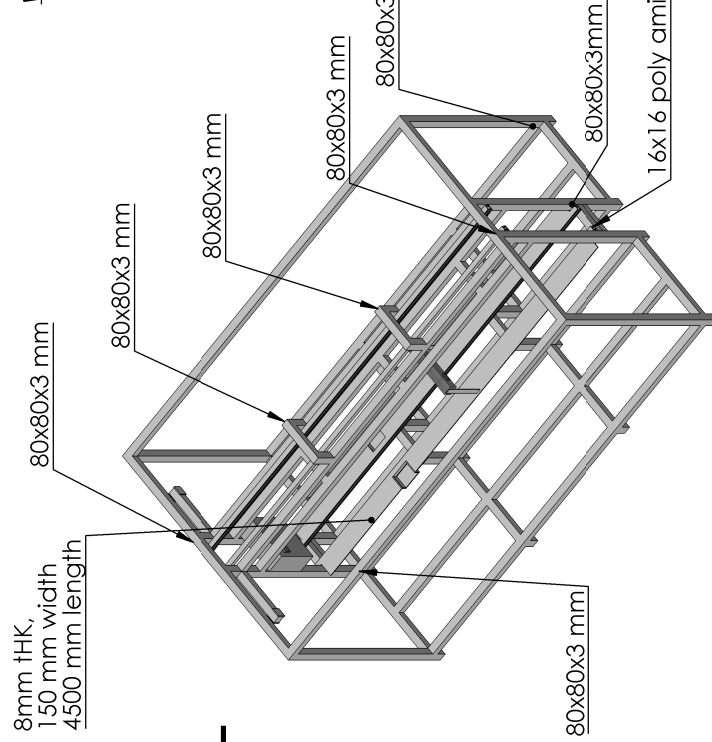
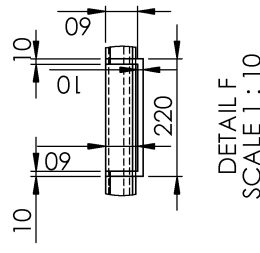
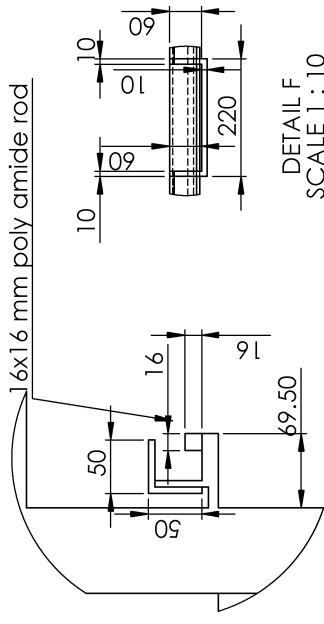
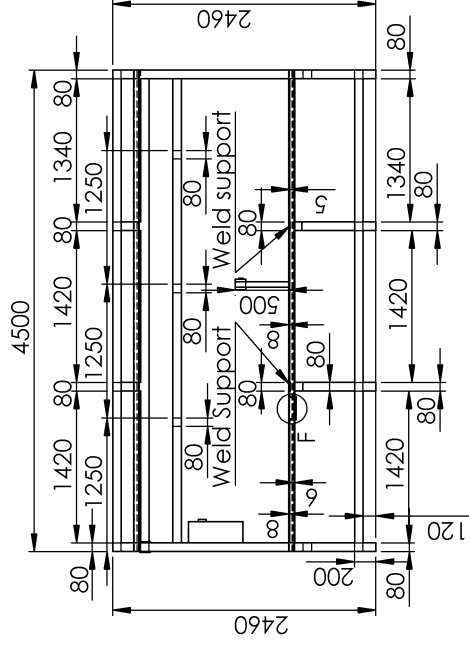
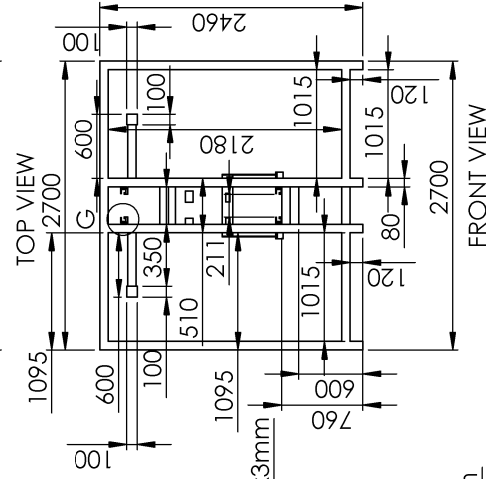
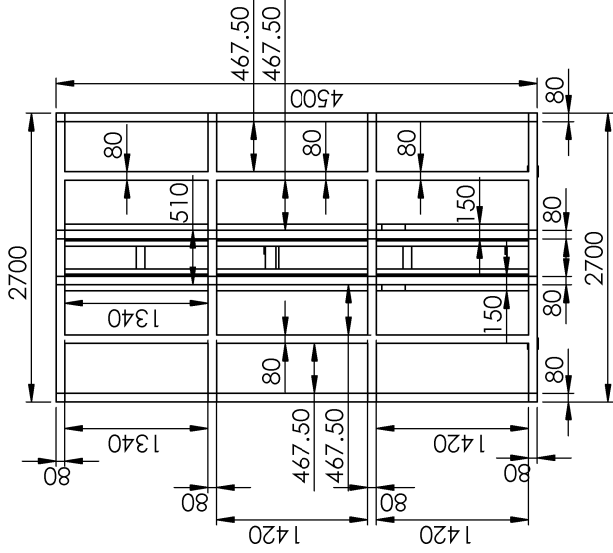


FRONT VIEW



ISO VIEW

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:		FINISH: BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
DRAWN	NAME	SIGNATURE	DATE	DRAWN	NAME	SIGNATURE	DATE
CHECKED	RAJIBANIL		7/5/2015	CHECKED			
APPROVED				APPROVED			
MFG				MFG			
Q.A				Q.A			
MATERIAL: MILD STEEL				TITLE: Structural frame - C-Block Conveyor Type Electronic Testing Machine			
DWG NO. HLL-CED-EPT-039-03				SHEET 2 OF 2			
SCALE: 1:50				WEIGHT: 3			



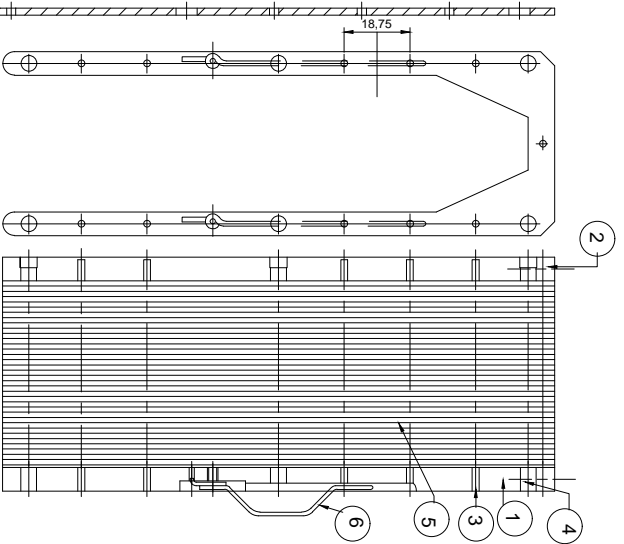
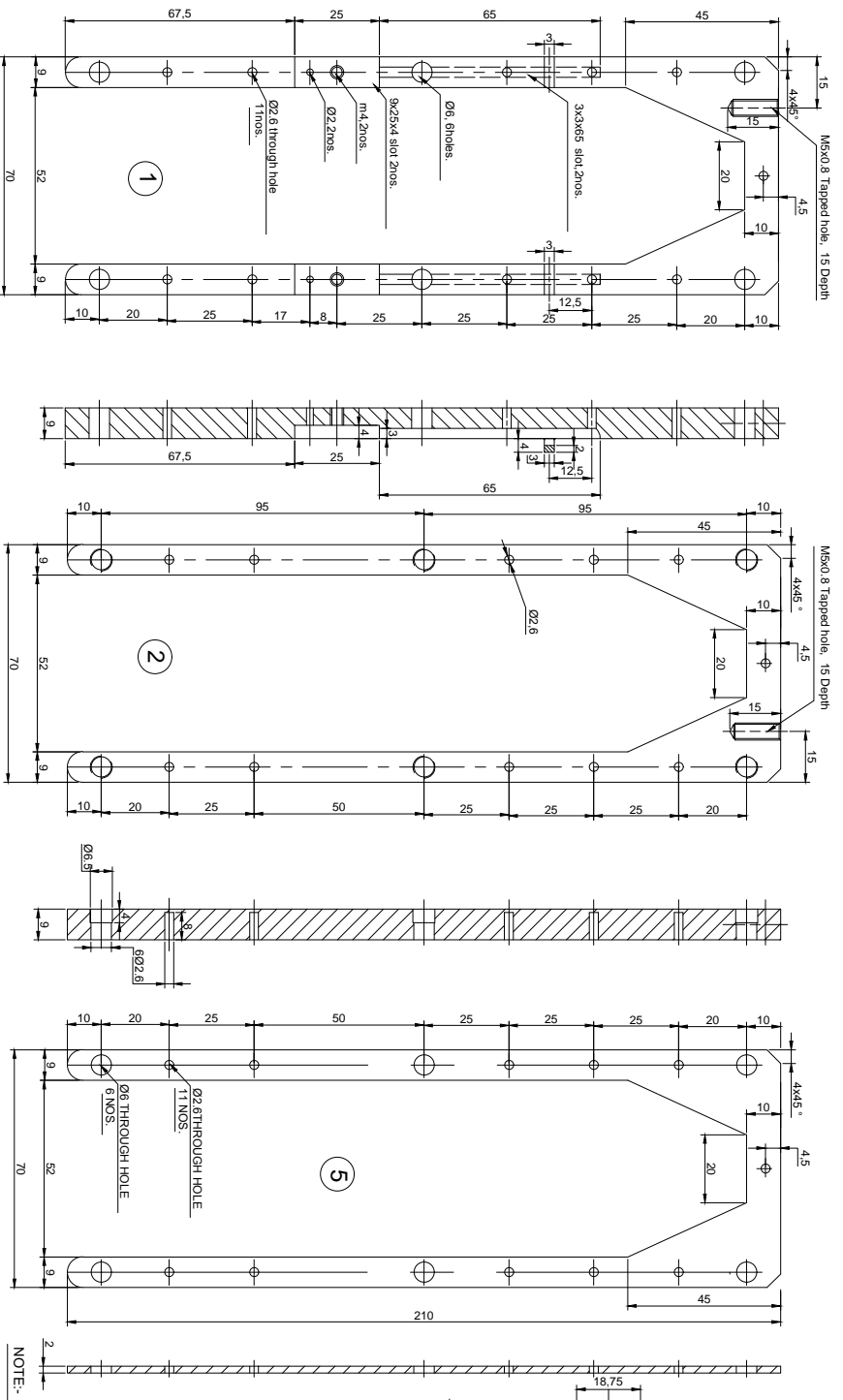
UNLESS OTHERWISE SPECIFIED:		FINISH:	
DIMENSIONS ARE IN MILLIMETERS		BREAK SHARP EDGES	
SURFACE FINISH:			
TOLERANCES:			
LINEAR:			
ANGULAR:			
DRAWN	NAME	SIGNATURE	DATE
CHKD	RAJIBANIL		7-5-2015
APPRV			
MFG			
Q.A			
MATERIAL:		MILD STEEL	

TITLE: Structural frame -C-Block Conveyor Type Electronic Testing Machine

DWG NO. HLL-CED-EPT-039-03  
SCALE: 1:50  
WEIGHT: 3  
SHEET 1 OF 1







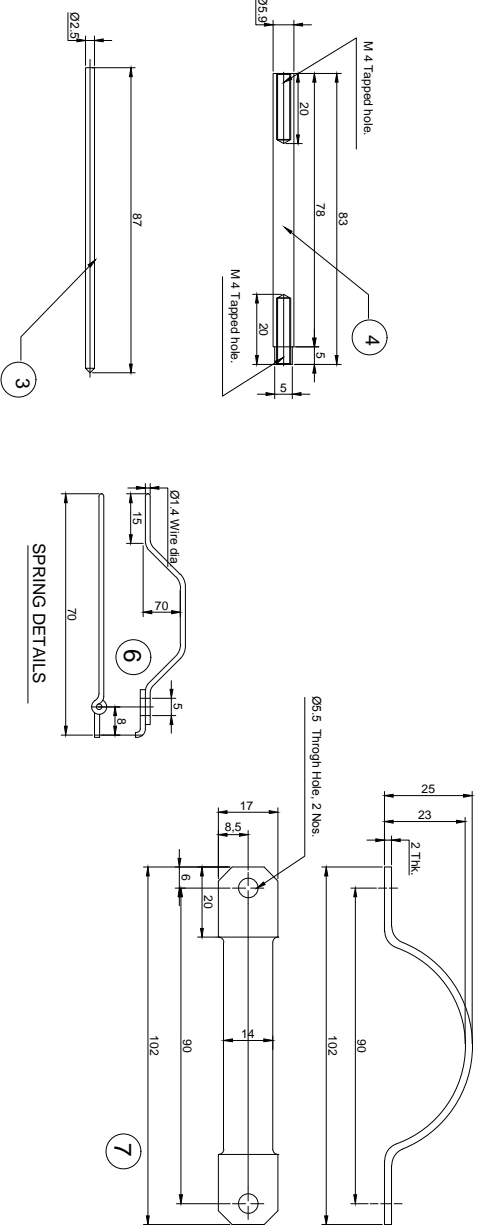
**ASSEMBLY.**

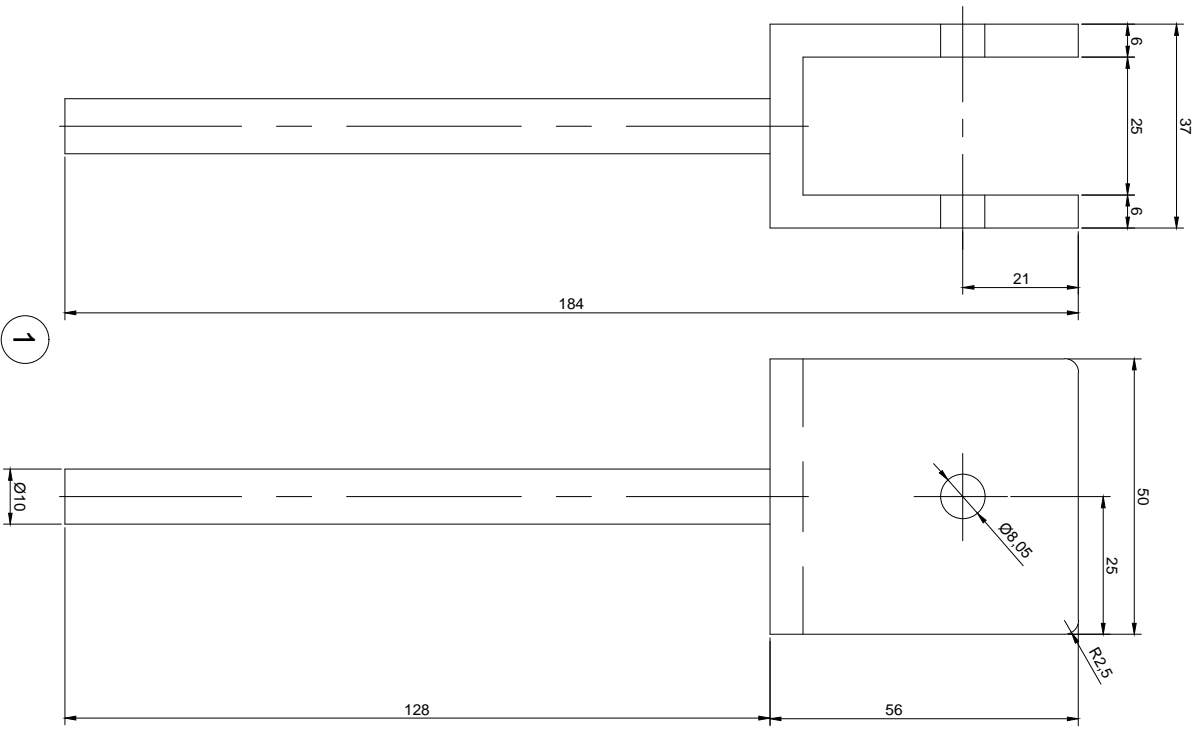
NOTE:- ALL THE PARTS ARE TO BE ASSEMBLED WITH M4 ALLEN CAP SCREWS/14 NOS WITH PLATE WASHER.

SL.NO.	DESCRIPTION	MATERIAL	QTY.	REMARKS
1	FRAME-A	IS 226 - Zinc passivated	1no.	
2	FRAME-B	IS 226 - Zinc passivated	1no.	
3	STAY RODS	IS 6911 - 04 Cr18 Ni10 (ASI:304)	11nos.	
4	STAY GUIDES	IS 6911 - 04 Cr18 Ni10 (ASI:304)	6nos.	
5	FRAME-C	IS 734 - NF 3 (Aluminium alloys - forgings)	36nos.	
6	SPRING-LEVER	IS1530 - 04 Cr18 Ni10 (Spring Steel) - ASI 9255	2nos	
7	HOLDING PLATE	IS 6911 - 04 Cr18 Ni10 (ASI:304)	1no.	

<b>HILL Lifecare Limited</b>		<b>Thiruvananthapuram-5</b>	
TITLE:- <b>FLAP UNIT</b>			
DRAWN BY: M.F.PAUL		NO.OFF:-	
CHECKED BY: Kalidossan Pillai		REV:- 01	
APPROVED: BASILUDY(m/f)		DATE: 02 - 05 - 2017	
DATE: 30-12-2000		SHEET NO: 1 OF 1	
SCALE:		DRG no:- HLL-D-081-03-C	
ALL DIMENSIONS ARE IN M.M			

**SPRING DETAILS**

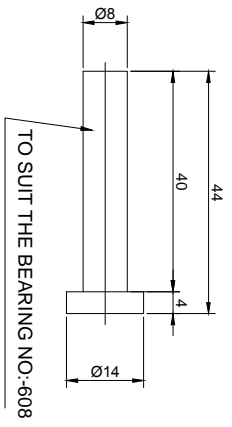




1

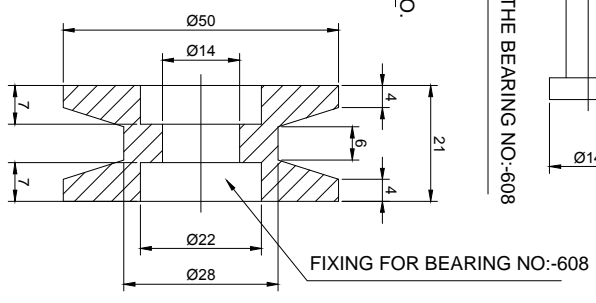
**PULLEY HOLDER**

Matl:- MS, QTY:-1NO.



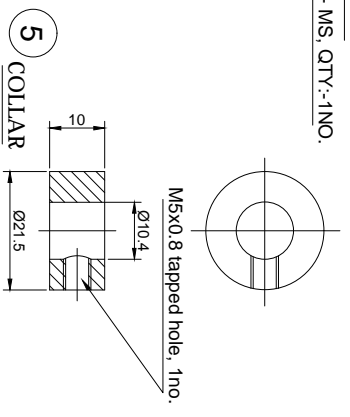
4 PIN

Matl:- MS, QTY:-1NO.



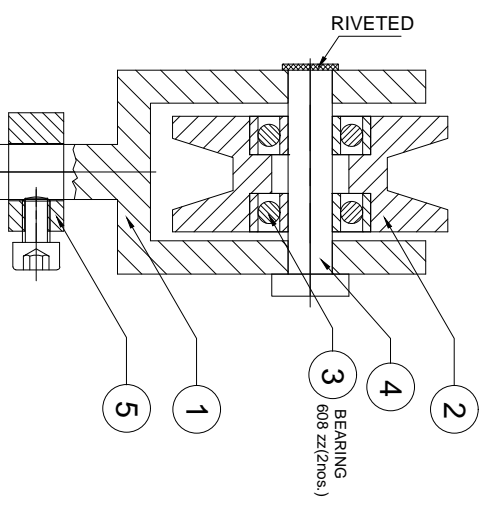
2 PULLEY

Matl:- MS, QTY:-1NO.



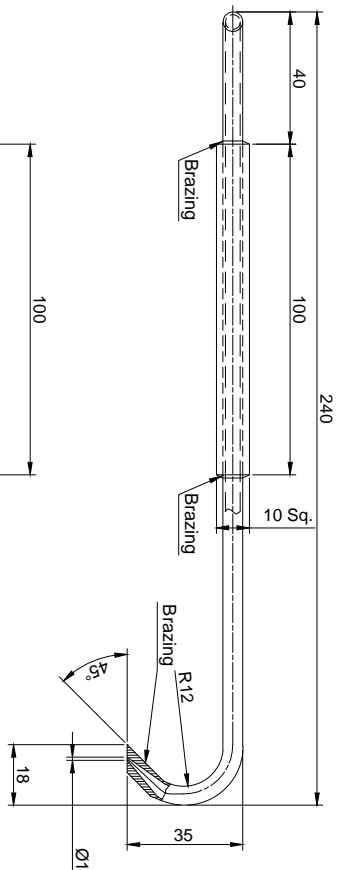
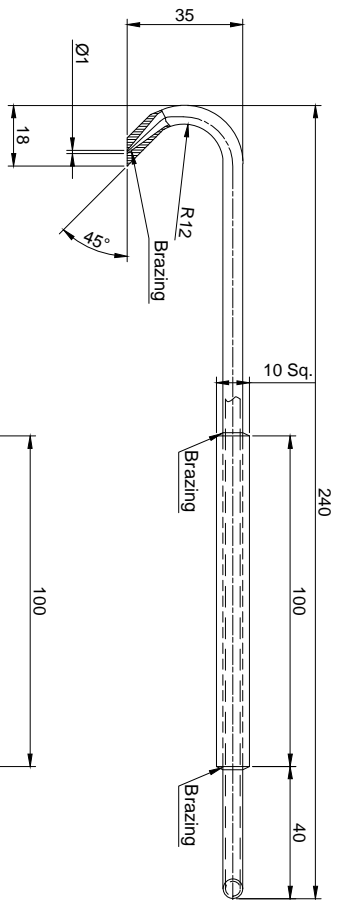
5 COLLAR

Matl:- MS, QTY:-2NOS.



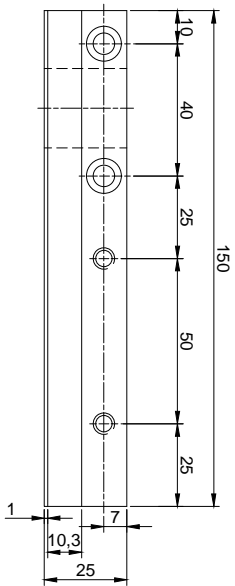
**ASSEMBLY**

MATERIAL:	MS, Zinc passivated	HINDUSTAN LATEX LTD	NO:OFF.
DRAWN BY:	M.P. PAUL	Thiruvananthapuram-5	
CHECKED BY:		TITLE:-	
APPROVED BY:		PULLEY SYSTEM OF	
DATE:	04-11-2008	MOULD ROTATING UNIT	
SCALE:		Drq .no:-HLL-D-114-00	
ALL DIMENSIONS ARE IN M/M		SHEET NO:-1OFF: 1	REV:-
			DATE:-

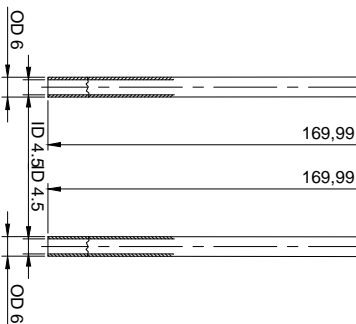


⑤ NOZZLE (Left)  
 MATL.: SS 304  
 QTY.: 1NO.

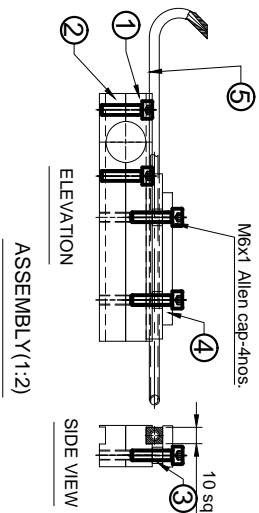
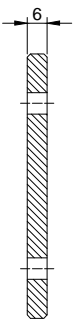
NOZZLE (Right)  
 MATL.: SS 304  
 QTY.: 1NO.



①  
 MATL.: AI  
 QTY.: 1NO.

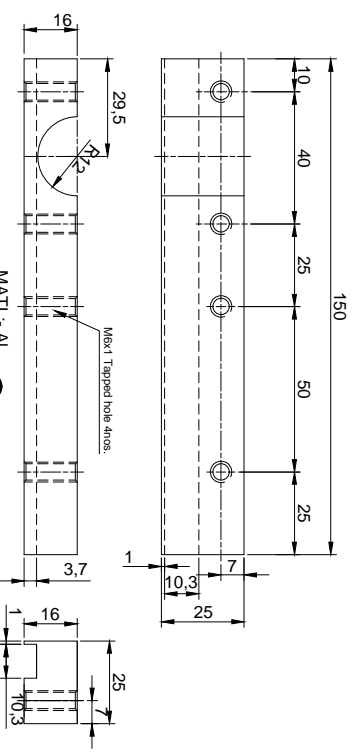


MATL.: IS 226  
 QTY.: 1NO.

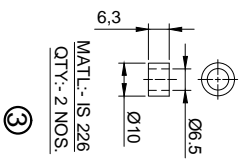


ELEVATION  
 ASSEMBLY (1:2)

SIDE VIEW

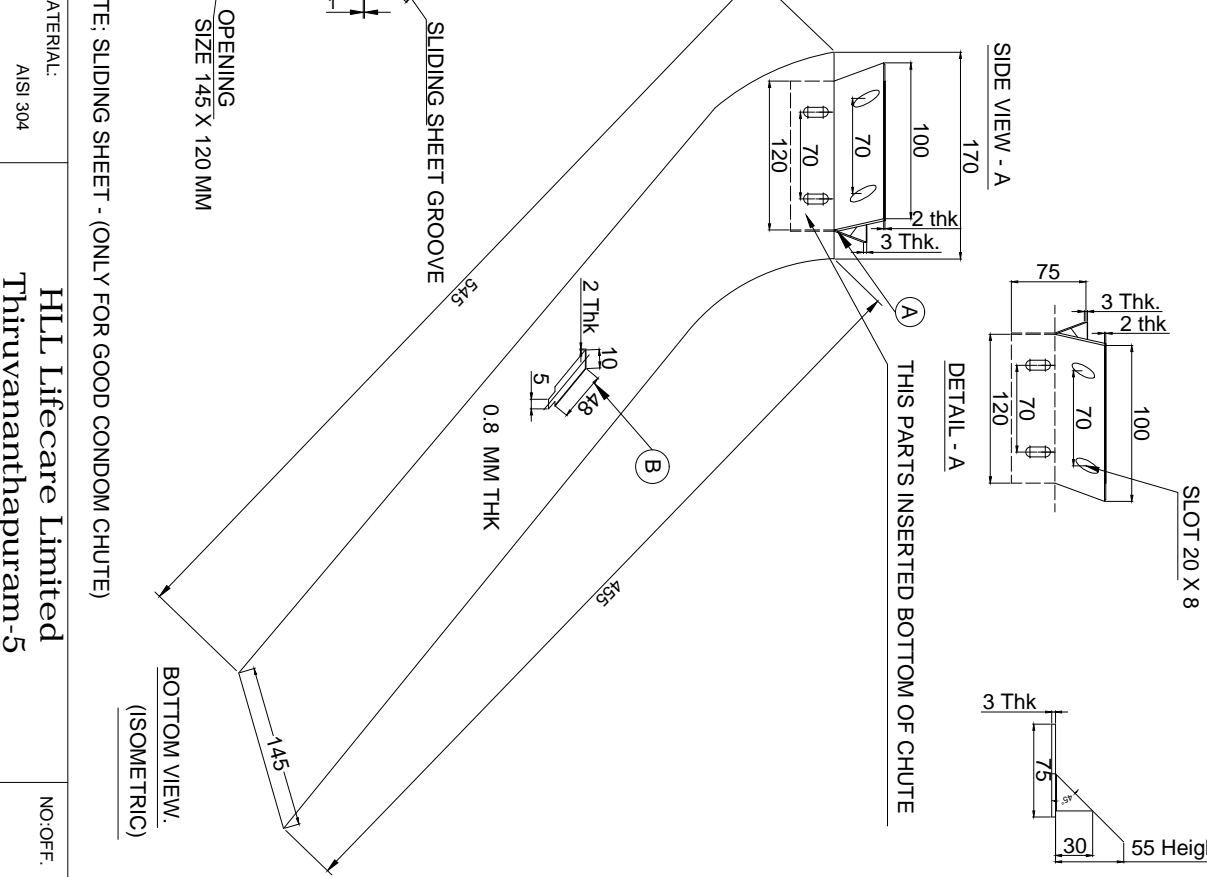
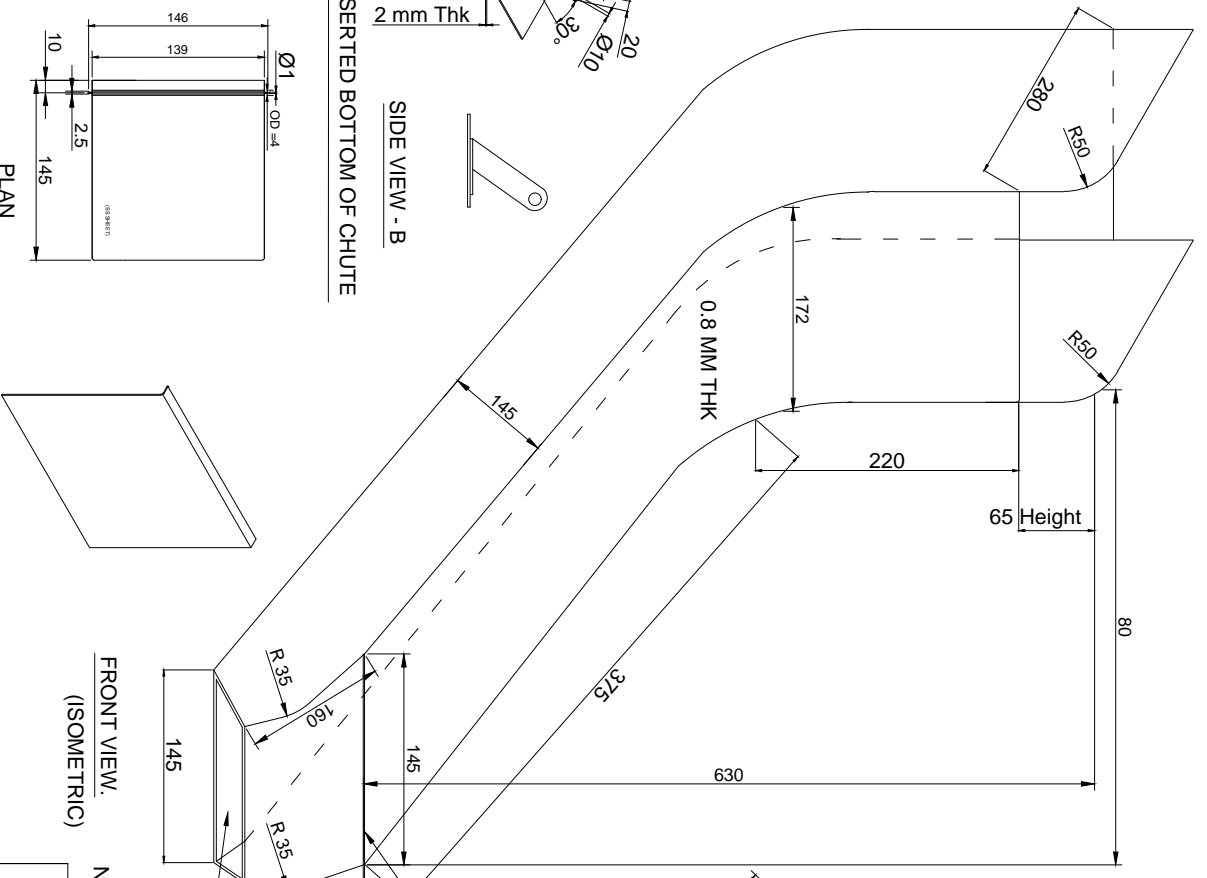


②  
 MATL.: AI  
 QTY.: 1NO.



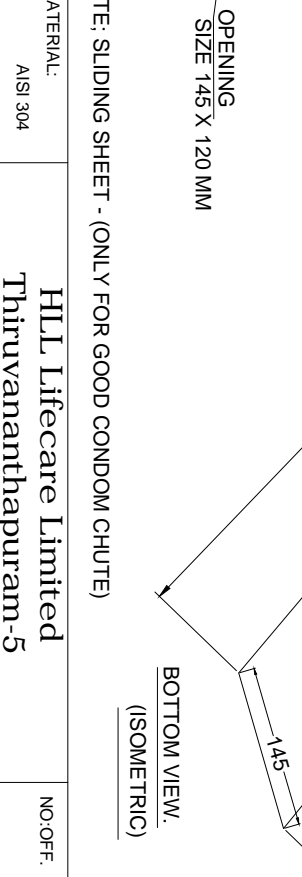
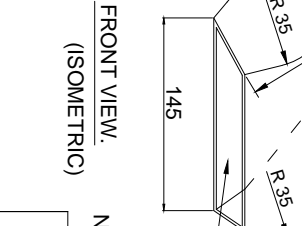
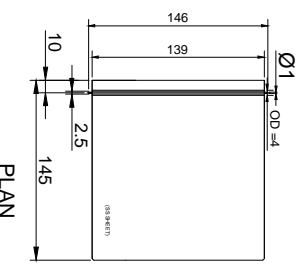
③  
 MATL.: IS 226  
 QTY.: 2 NOS.

MATERIAL:	HINDUSTAN LATEX LTD		NO.OFF.
DRAWN BY:	M.P. PAUL	Thiruvananthapuram-5	
CHECKED BY:			
APPROVED BY:			
DATE:	11-09-06		
SCALE:			
ALL DIMENSIONS ARE IN M.M			
TITLE:		NOZZLE ASSEMBLY	
DRAWING NO.:		Drq .no.-HLL-D-132-00	
SHEET NO.:		1 OF 1	
REV.:	0	DATE:	



DETAIL - B  
2 mm Thk  
3 mm Thk  
15  
100  
30°  
Ø10  
20

SIDE VIEW - B  
THIS PARTS INSERTED BOTTOM OF CHUTE



NOTE: SLIDING SHEET - (ONLY FOR GOOD CONDOM CHUTE)

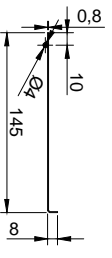
OPENING  
SIZE 145 X 120 MM

SLIDING SHEET GROOVE

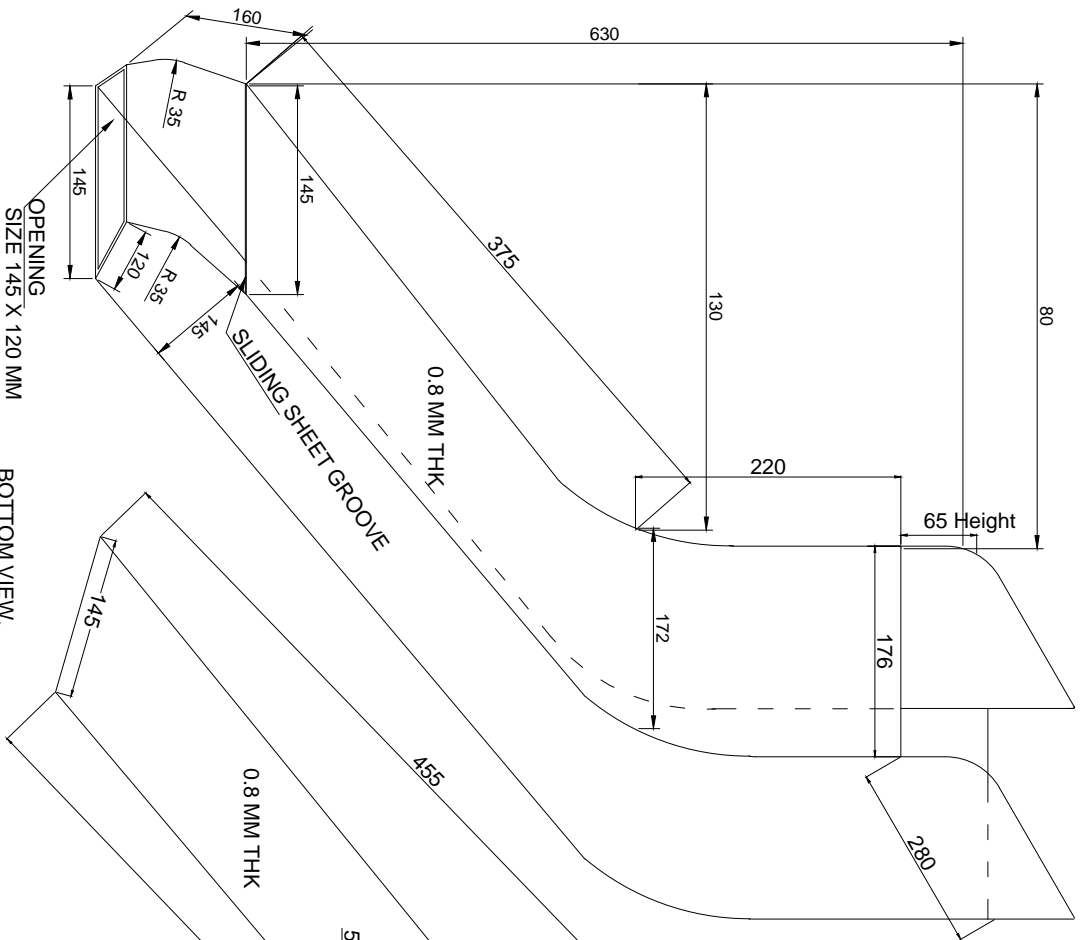
THIS PARTS INSERTED BOTTOM OF CHUTE

SLOT 20 X 8

ELEVATION (SLIDING SHEET)

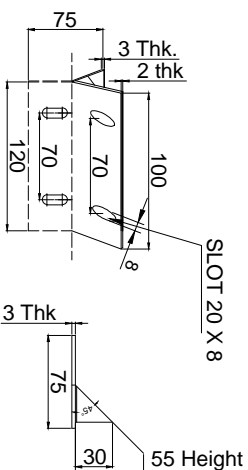


MATERIAL:	AISI 304	HLL Lifecare Limited	NO.OFF.
DRAWN BY:	M.P. PAUL	Thiruvananthapuram-5	
CHECKED BY:		TITLE:-	
APPROVED BY:		CHUTE . (LEFT)	
DATE:	23-10-2008	Drg .no:- HLL-D-140-01	REV: 01
SCALE:	1:1	SHEET NO:-1OFF. 1	DATE:- 29/09-2014
ALL DIMENSIONS ARE IN M/M			



BOTTOM VIEW.  
(ISOMETRIC)

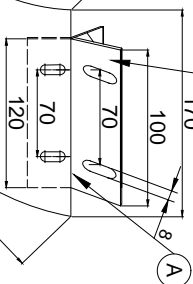
NOTE: SLIDING SHEET - (ONLY FOR GOOD CONDOM CHUTE)



DETAIL - A

SIDE VIEW - A

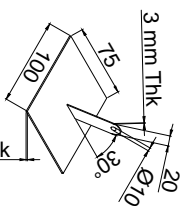
THIS PARTS INSERTED BOTTOM OF CHUTE



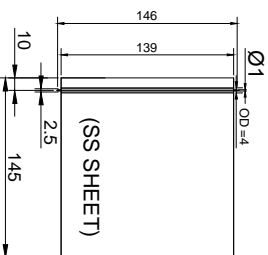
DETAIL - B

SIDE VIEW - B

THIS PARTS INSERTED BOTTOM OF CHUTE

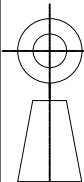


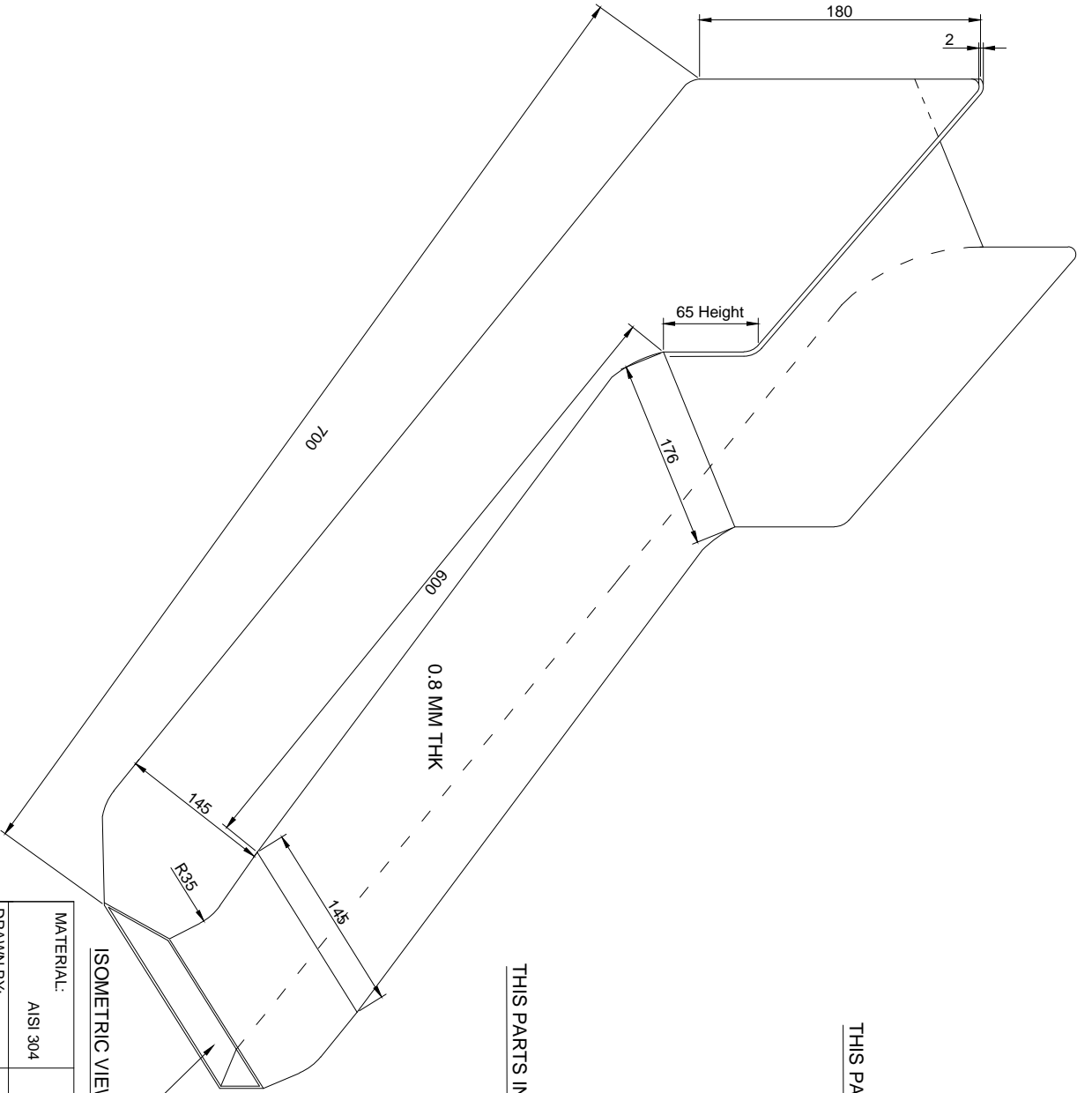
ELEVATION (SLIDING SHEET)



PLAN

MATERIAL:	ALSI 304	HLL Lifecare Limited	NO:OFF.
DRAWN BY:	M.P. PAUL	Thiruvananthapuram-5	
CHECKED BY:		TITLE:-	
APPROVED BY:		CHUTE . (RIGHT)	
DATE:	20-10-2008	Drg .no:- HLL-D-140-00	REV: 01
SCALE:	1:1	SHEET NO:-1OFF: 1	DATE:- 29/09/2014
ALL DIMENSIONS ARE IN M/M			

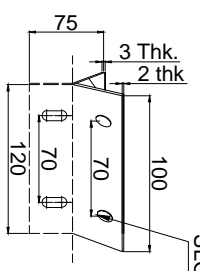




ISOMETRIC VIEW

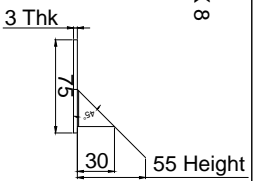
OPENING  
SIZE 145 X 120 MM

THIS PARTS INSERTED BOTTOM OF CHUTE

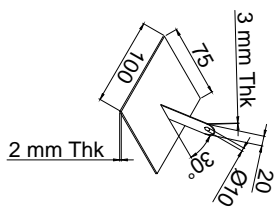


SLOT 20 X 8

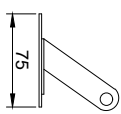
THIS PARTS INSERTED BOTTOM OF CHUTE



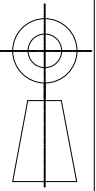
THIS PARTS INSERTED BOTTOM OF CHUTE

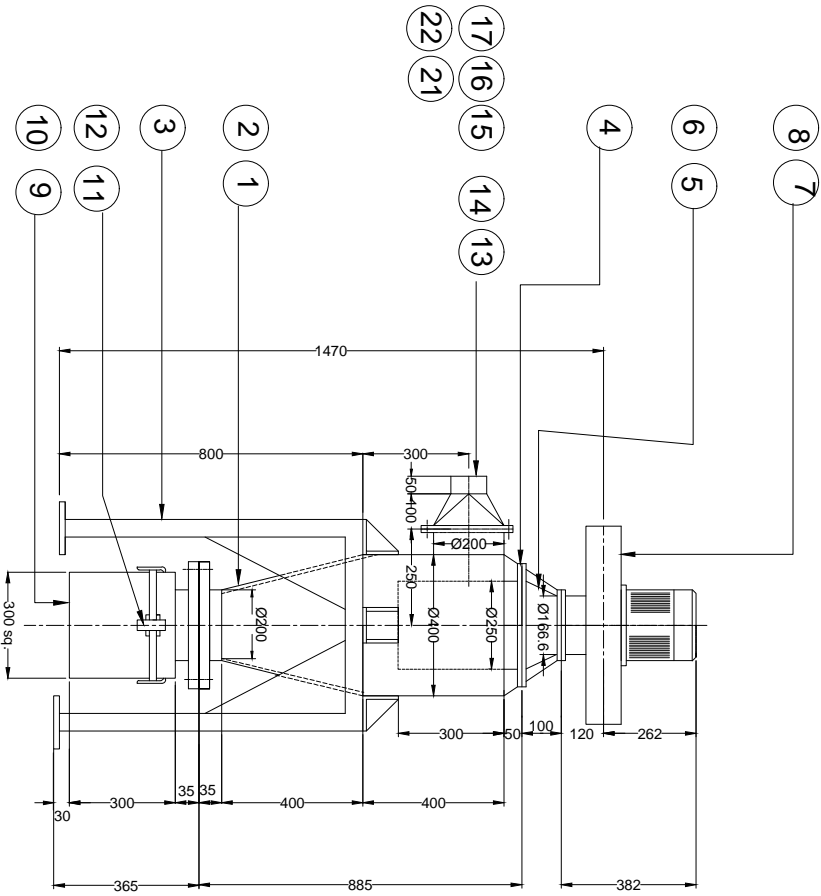
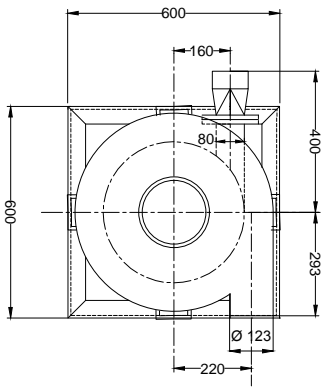


SIDE VIEW



MATERIAL:	AISI 304	HLL Lifecare Limited	NO:OFF.
DRAWN BY:	M.P. PAUL	Thiruvananthapuram-5	
CHECKED BY:		TITLE:-	
APPROVED BY:		CHUTE . (STRAIGHT)	
DATE:	25-10-2008	Drg .no:- HLL-D-140-02	
SCALE:	1:1	SHEET.NO:-1OFF.1	REV:-
ALL DIMENSIONS ARE IN M.M			DATE:-



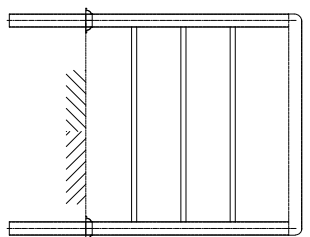
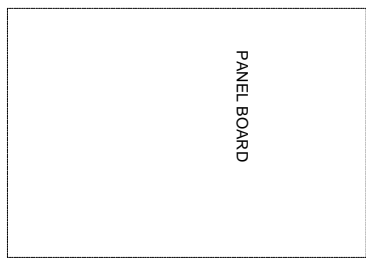
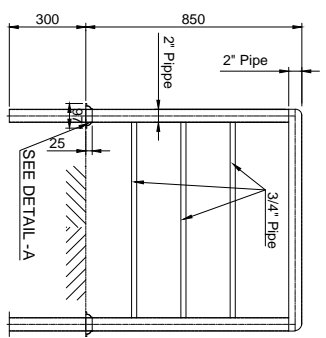
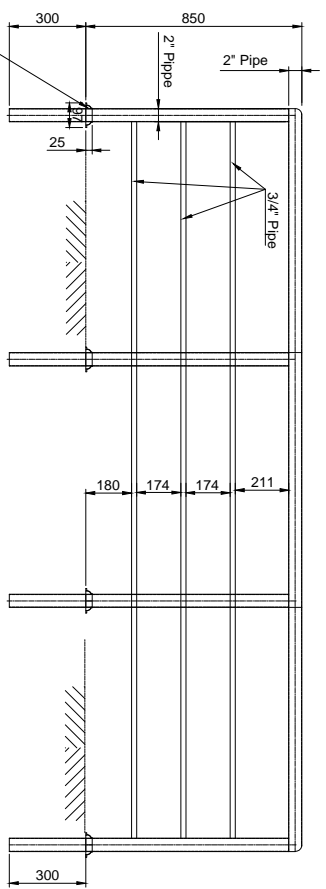
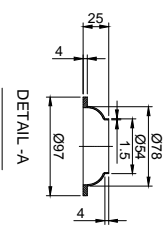
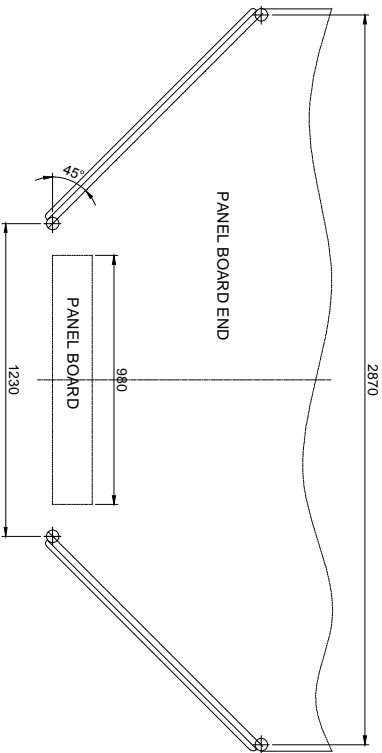
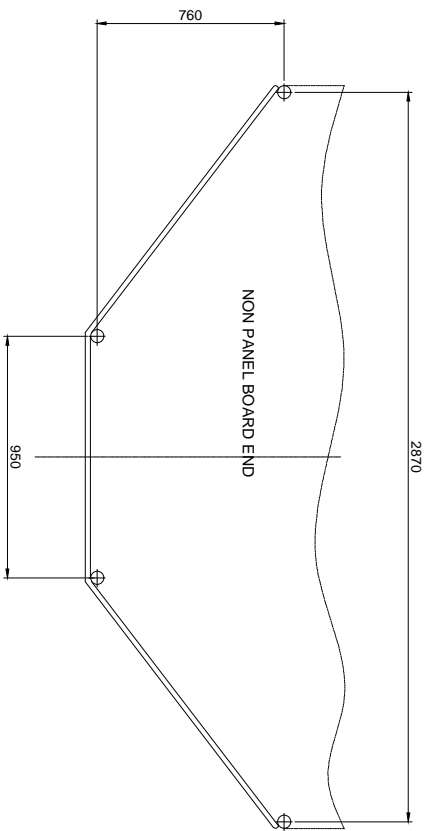


**Specifications**  
 FAN KSB- 750-36  
 CAPACITY-10m<sup>3</sup>/min.  
 PRESSURE- 200 mm Ag.  
 REVOLUTION 2800 rpm.  
 Motor - 0.75 kw, 2P,440V, 50 Hz.

NO	DESCRIPTION	MATL.	QTY.	REMARKS.
1	CYCLONE	IS-226	1	PL, 2.3 THK.
2	B.N. SW		4	M12 x 30
3	SUPPORT	IS-226	1	L 50X6, P1 9, P14.5
4	PUNCHING PLATE	A I	1	
5	OUT LET DUCT.	St.-425	1	PL. 2.3 , PL.6
6	B.N. SW		8	M 12 X 35
7	FAN		1	KSB-750-36 10 M <sup>3</sup> /min 200 mm H g.
8	B.N. S.W		8	M12 x 35
9	COLLECTOR CASE	St.-425	1	PL. 1.6
10	B.N. S.W		8	M10 x 30
11	CATCH CLIP		4	C-70-1
12	SCREW		20	M 5 x 10
13	B.N. S.W		12	M 8 x 25
14	INLET DUCT.		1	PL.2.3 , 3 1/2 B, FB 6 X 32.
15	HOSE		1	Dia100 x l 5000.
16	CUFF		2	Dia 100
17	BAND		2	Dia 100
18	CASTER		2	415 S-R H85
19	CASTER		2	415 SR-R H 85
20	B.N. SW		8	M8 X 12
21	GASKET		1 Set.	3 THK.
22	NOZZLE	St.-425	3	

MATERIAL:			
DRAWN BY:	AJITH		
CHECKED BY:			
APPROVED BY:			
DATE:	18-5-2015		
SCALE:			
<b>HLL LIFECARE LIMITED</b> <b>Thiruvananthapuram-5</b>			
<b>CYCLOTRON SEPERATOR</b>			
Drg.No.HLL-CED-EPT-038-00			NO.OFF.
SHEET NO 1 OF 1	REV:-		
DATE:-			





PIPE GAUGE 14 G

SEE DETAIL - A

SEE DETAIL - A

MATERIAL:	ASI 304	HINDUSTAN LATEX LTD	NO.OFF.
DRAWN BY:	M.P. PAUL	Thiruvananthapuram-5	
CHECKED BY:			
APPROVED BY:			
DATE:			
SCALE:			
ALL DIMENSIONS ARE IN M/M			
TITLE:-		HAND RAILS	
SHEET NO:-1OFF. 1		REV:-	
DATE:-		DATE:-	
Drq .no:-HLL-D-115-00			