

INTER-UNIVERSITY ACCELERATOR CENTRE

(An Autonomous Centre of UGC)
Aruna Asaf Ali Marg, New Delhi-110 067

NOTICE INVITING E-TENDER

TENDER NO: IUAC/NIT/67/MK/2019-20

Dated: 26/02/2020

Instructions for Online Bid Submission:

Inter-University Accelerator Centre (IUAC), invites online bids through e-Procurement Portal under two bid system, viz., Technical and Financial bids, from eligible and experienced parties for the work/supply of **"19 inch rack mount 3U/84T/550mm-deep Instrument cabinets with required accessories & job work"**.

Tender Documents may be downloaded from Central Public Procurement Portal <http://eprocure.gov.in/eprocure/app> and www.iuac.res.in.

Aspiring bidders who have not enrolled/registered in e-Procurement Portal should enroll/ register before participating through the website <http://eprocure.gov.in/eprocure/app>.

Only bids received through e-procurement portal will be considered for opening. Bids not covering full scope of work/supply of the products/goods will be rejected and only complete bids will be considered.

Bids shall be submitted online only at CPPP website: <http://eprocure.gov.in/eprocure/app>. Tenderers/Contractors/Bidders are advised to follow the instructions provided in the e-procurement portal. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

IUAC reserves the right to accept / reject any/all tenders in part/full without assigning any reasons thereof.

Bidder has to select the payment option as **"offline"** to pay the **Tender Fee** and **Earnest Money Deposit (EMD)** as applicable. The Tender Fee and EMD shall be in the form of **Demand Draft** issued in favour of **"Inter-University Accelerator Centre, New Delhi"** and it should be deposited at IUAC before the bid opening. Bidders registered with MSME/NSIC are exempted from payments of EMD & tender fee. Copy of valid registration certificate should be uploaded in the portal.

Bidders are requested to note that they should necessarily submit their financial bids of all items in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled and submit it online without modifying the format. If the BOQ file is found to be modified by the bidder, the bid will be rejected.

Any Corrigendum/Amendments in respect of above tender shall be issued on website <https://eprocure.gov.in> only. Bidders should take into account any corrigendum published on the tender document before submitting their bids.

E - TENDER DOCUMENT

Name of Work / Supply	19 inch rack mount 3U/84T/550mm -deep Instrument cabinets with required accessories & job work.
Tender Reference Number	IUAC/NIT/67/MK/2019-20
Tender Value / Estimate only	Rs 11,50,000/- (Eleven lakh fifty thousand only)
Earnest Money Deposit	Rs 23,000/- (Twenty three thousand only)
Tender Document Fee	Rs 500/- (Five hundred only)
Last Date and Time of Bid Submission	March 16, 2020 at 3.00 p.m.
Date & Time for opening of Technical Bid (Part-A)	March 17, 2020 at 3.30 p.m.
Date & time for opening of Price Bid (Part -B)	To be intimated later on to the technically qualified bidders.
Address for contact	Administrative Officer (S&P) Inter-University Accelerator Centre e-mail: joseph@iuac.res.in Mukesh Kumar e-mail: mukesh6024@gmail.com Phone: 011-24126018 & 241260022
Place of opening of the Tender	Committee Room, IUAC

Part-I: General Terms and Conditions of the Tender

1. **Submission of Tender:** Tenders should be uploaded on CPP Portal in two Parts i.e. Technical Bid (Part-A) and Price Bid (Part-B).
2. **Technical Bid (Part-A):** In this bid, the bidder shall upload scanned copies of following documents which are required for technical qualification. All documents uploaded by the bidder should be self-attested along with stamp). No deviations in respect of NIT conditions are acceptable.
 - a) Company particulars on letter head.
 - b) Customers list of reputed institute/laboratories in India along with copy of previous orders where the bidder have supplied **19 inch rack mount 3U/84T Instrument cabinets** during last three years.
 - c) The vendor should download the complete technical specifications compliance sheet as given in Annexure-A and should upload with duly signed & stamped by the bidder.
 - d) Tender Acceptance Letter duly signed & stamped by the bidder in their letter head.

Note: Technical bids which are not confirming to the technical specifications as per the Annexure-A will be disqualified.

3. **Price Bid / BOQ (Part-B):** In this bid, the bidder is required to quote his unconditional basic rates excluding taxes (GST) in the standard BOQ format provided. Bidder's rate must be inclusive of Freight charges upto the **IUAC, New Delhi**. IUAC is exempted from Customs Duty and GST. Appropriate exemption certificates will be issued by IUAC. Bidders are advised to quote all items in the BOQ in **Indian rupees**. Incomplete quotes will be rejected.
4. **Earnest Money Deposit (EMD) :** An earnest money of **Rs. 23,000/-** has to be deposited at IUAC before the tender opening date and time. The EMD shall be only in the form of Bank Draft in favor of **Inter-University Accelerator Centre**, payable at **New Delhi**. No Cheque/Cash shall be accepted as EMD. The refund of EMD to all bidders except the lowest bidder shall be made within 15 days from the date of opening of price bid. The refund of EMD of the successful bidder shall be made after the acceptance of material/items by IUAC.

Exemption from EMD: Units registered with National Small Scale Industries Corporation (**NSIC**) or Ministry of Micro Small and Medium (**MSME**) enterprises are exempted from payment of EMD, subjected to:

- a) The unit being registered with NSIC/MSME for the items tendered.
 - b) Self attested copy of valid NSIC/MSME registration Certificate is enclosed.
 - c) Photocopy of application for registration at NSIC/MSME or for renewal of NSIC/MSME will not be acceptable. Such offers will be treated as offers received without EMD.
5. **Validity of Tender:** Tender shall be valid for our acceptance without any change in rates and NIT conditions for a period of 90 days from the date of opening of the Technical bid. No escalation of cost will be acceptable in any condition after opening of tender.
 6. **Escalation / Deviation:** No escalation or deviation shall be allowed till execution of order / contract.
 7. **Payment Terms:** Payment will be released on complete delivery of goods at IUAC and its certification by the personnel concerned.

- 8. Delivery Period: 60 days** from the date of placement of LOI/Purchase Order. Any delay in completing the supply for reasons attributable to the Contractor is liable for liquidated damages as per clause 10 of NIT.
- 9. Correspondence:** All the correspondence in respect of tender / contractual obligation shall be made to **“The Administrative Officer (S&P), Inter University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi –110067”**. E-mail: joseph@iuac.res.in, Phone: +91-11-24126018, 24126022.
- 10. Liquidated damages:** In case the supply is delayed beyond the specified completion period for reasons attributable to the supplier, deductions on account of Liquidated Damages @ 1% of the supply value per week or part there of will be deducted subject to a maximum of 10% of the total cost.
- 11. Tender Rejection:**
- a) IUAC reserves the right to accept/reject any/all tenders in part/full without assigning any reason whatsoever and the decision of the IUAC in this regard will be binding on all the bidders.
 - b) Bids not covering full scope of work/supply of the products/goods may be summarily rejected. IUAC reserves the right to drop any item in the final order.
 - c) If BOQ file is found to be modified by the bidder, the bid will be rejected.
 - d) Tenders not complying with any of the provisions stated in this tender document are liable to be rejected.
 - e) If the General Terms and conditions are not accepted and not signed by the bidders, then the respective bids will be rejected.
- 12.** IUAC reserves the right to reject or accept any or all the tenders in full or in part without assigning any reasons whatsoever, and the decision of the Centre in this regard will be binding on all the bidders. Director, IUAC reserves the right to accept or reject any tender without assigning any reason and does not bind himself to accept the lowest tender.
- 13.** The contract shall be governed by the Indian Laws. Any dispute arising out of this contract will be subjected to jurisdiction of New Delhi / Delhi.

Accepted
(Signature of Bidder)

Technical specifications compliance sheet

Description of the item: 19 inch rack mount 3U/84T/550mm-deep Instrument cabinets with accessories & job work

Item No	Description of Items	Qty	Unit
1	Instrument Cabinet 3U/84T/550mm-deep with accessories & job work as per specification table-1 &2 , Material- Aluminum	50	nos

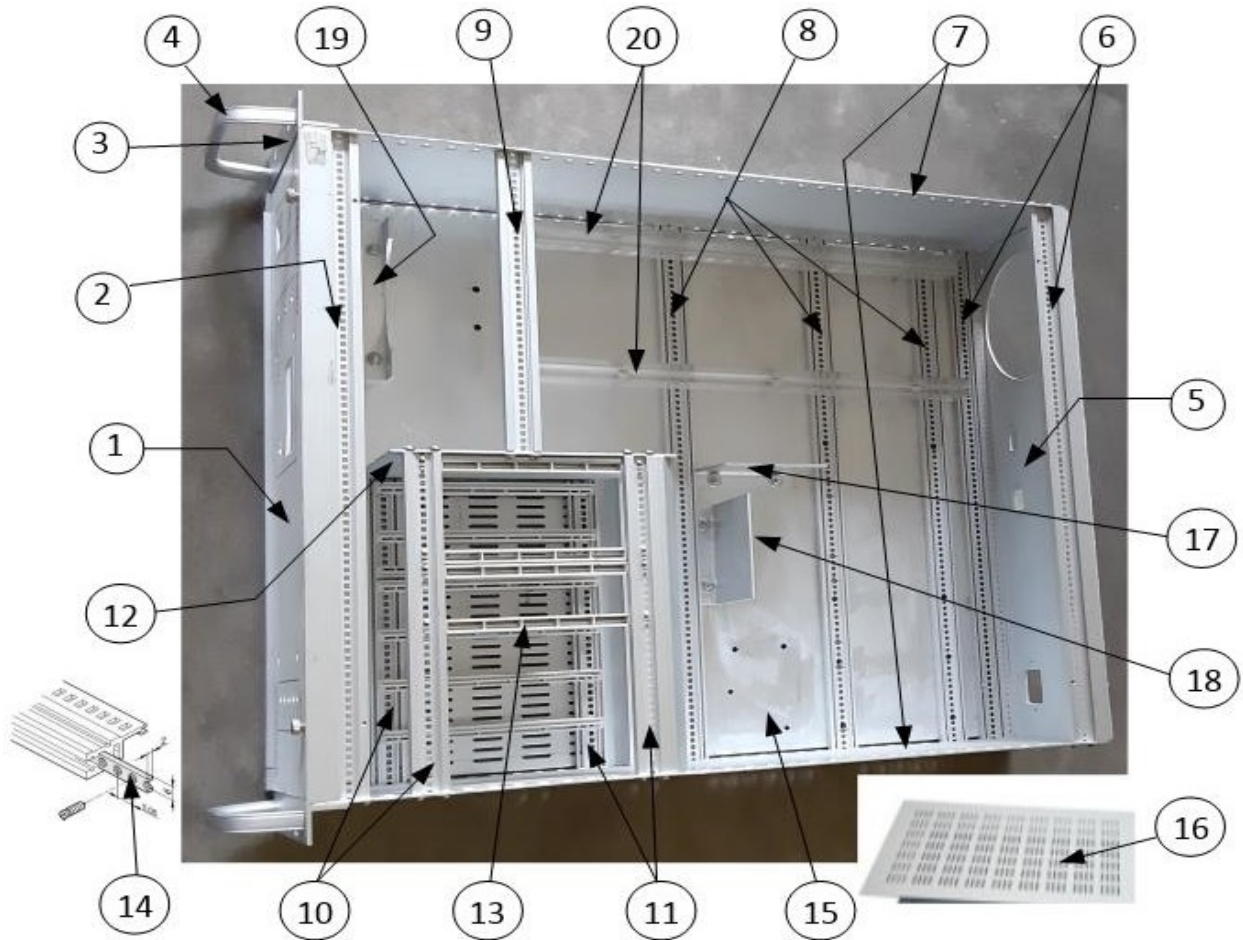
Note:

1. Bidders have to supply the highly finished anodized instrument cabinet with all accessories & job works mentioned in technical specification table-1 &2.
2. All the accessories/parts should be manufactured using high precision dies and tooling to ensures complete one-to-one inter-changeability of parts, rigidity of the frame and precision of the assembly.
3. CorelDRAW/CAD file will be provided for front & back panel print after issuance of the purchase order.
4. Bidder has to submit undertaking for supplying one sample piece with complete job work within 15 days of placing the purchase order to qualify the product for acceptance and order execution. *(Note: Purchase Order may be canceled and payment will not be released of sample piece if it don't satisfy all the parameters/quality according to the technical specifications).*
5. Bidder has to submit the quality assurance certificate of all the supplied items as per the specifications table along with the supply of material.
6. Image of sample piece is shown below. Bidders are advised to see the actual/existing product sample by visiting IUAC site before submitting the bid.

Name & Signature of Tenderer with Company's Seal

Technical specifications compliance sheet

Items: 19-inch Instrument cabinet 3U/84T/550mm-Deep with accessories & job works



Sl. No.	Name of Items
1	Bottom Hinged Front panel
2	Front Extrusion
3	Height Extrusion
4	Pull of Handle
5	Rear Panel
6	Rear Extrusion
7	Side Panel
8	Internal Extrusion (L - 431.8mm)
9	Internal Extrusion (L - 211mm)
10	Internal Extrusion (L - 218.4mm)
11	Standard Internal Extrusion

Sl. No.	Name of Items
12	Vertical Internal Partition Plate
13	Card Guide
14	Threaded / Tapped Strips
15	Base Plate
16	Top Cover
17	Small Capacitor Clamp
18	Big Capacitor Clamp
19	Fan Clamp
20	Heatsink Clamp / Holder
21	Hardwares



Specification Table – 1

List of accessories/ sub unit for one complete 3U/84T/550mm instrument cabinet:

Sl. No.	Description	Drawing No.	Qty																												
1.	<p>Bottom Hinged front panel set with following specifications:</p> <ul style="list-style-type: none"> Material specification : Width - 426.72 (84HP , 3U) Aluminium 2.5mm thickness, clear anodized. Scope of Supply: Front panel, Front extrusion, Hinge extrusion & assembly material M2.5, including hinges. <p>Dimensions</p> <table border="1"> <thead> <tr> <th rowspan="2">HP</th> <th colspan="2">Nominal Width</th> <th colspan="2">Width B</th> </tr> <tr> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>84 HP</td> <td>426.72</td> <td>16.80</td> <td>426.5</td> <td>16.79</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th rowspan="2">Nominal Height U</th> <th colspan="2">Height H</th> <th colspan="2">Height h</th> </tr> <tr> <th>mm</th> <th>inch</th> <th>mm</th> <th>inch</th> </tr> </thead> <tbody> <tr> <td>3 U</td> <td>128.7</td> <td>5.07</td> <td>117</td> <td>4.61</td> </tr> </tbody> </table>	HP	Nominal Width		Width B		mm	inch	mm	inch	84 HP	426.72	16.80	426.5	16.79	Nominal Height U	Height H		Height h		mm	inch	mm	inch	3 U	128.7	5.07	117	4.61	DWG-1	01
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2.	<p>Front Extrusion for Card Guide with following specifications:</p> <ul style="list-style-type: none"> Front extrusion IEC with protrusion, Accept 2 x 6mm tapped strips, M4 tapping. Dimension : Length - 84HP (431.8mm), Width – 35.3mm 	DWG-2	01																												
3.	<p>Height Extrusions with following specifications:</p> <ul style="list-style-type: none"> Material : Aluminium 2.5mm thickness, clear anodized. Dimension : Height - 3 U (132.5mm), Width – 27.8mm 	DWG-3	02																												
4.	<p>Pullout Handle with following specifications :</p> <ul style="list-style-type: none"> Material : Aluminium alloy E6, etch & clear anodized Dimension : Height – 116.3 mm, Width – 40 mm 	DWG-4	02																												
5.	<p>Rear Panel screw-on with following specification :</p> <ul style="list-style-type: none"> Aluminium 2.5mm thickness, clear anodized. 4 screws are needed for panel. Dimension : Width - 431.5, Height - 128.80 	DWG-5	01																												
6.	<p>Rear/Back Extrusion with following specifications :</p> <ul style="list-style-type: none"> Rear extrusion IEC without protrusion, Accept 2 x 6mm tapped strips. Specification : Length -84HP (431.8mm), Width-29.3 mm 	DWG-6	02																												
7.	<p>Side Panel with following specification :</p> <ul style="list-style-type: none"> Material : Aluminium 2.0 mm (14 SWG) thickness, clear anodized. Dimension : Length / Depth–547mm, Height–132.0mm 	DWG-7	02																												
8.	<p>Internal Extrusion with following specifications :</p> <ul style="list-style-type: none"> Aluminium internal extrusion with M4 tapping. Dimension : Length– 431.8mm (84HP), Width –21mm 	DWG-8	03																												
9.	<p>Internal Extrusion for Card Guide with following specifications:</p> <ul style="list-style-type: none"> Aluminium internal extrusion with M4 tapping. Dimension : Length-211 mm, Width-21mm 	DWG-9	01																												

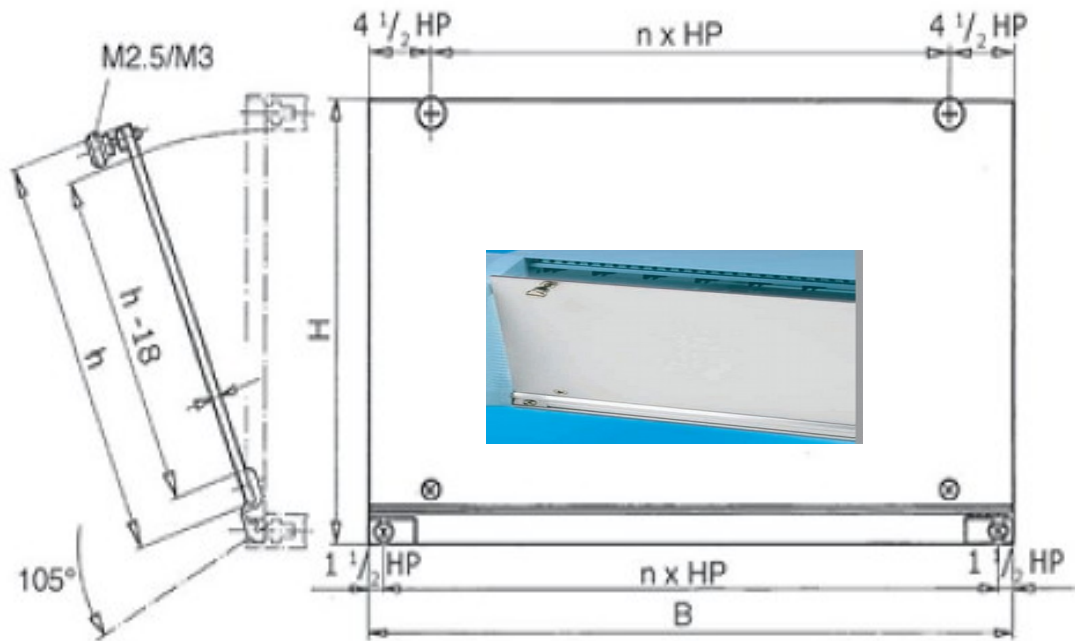
10.	Internal Extrusion for Card Guide with following specifications: <ul style="list-style-type: none"> Aluminium internal extrusion with M4 tapping. Dimension : Length-218.4 mm (42HP) , Width-21mm 	DWG-10	02
11.	Standard Internal Extrusion for Card Guide with following specifications <ul style="list-style-type: none"> Aluminium internal extrusion with M4 tapping. Dimension : Length-218.4 mm (42HP) , Width-32.4mm 	DWG-11	02
12.	Vertical Internal Partition Plate with following specifications: <ul style="list-style-type: none"> Aluminium 2.0 mm thickness. Dimension : Length-180.0 mm, Width-125 mm 	DWG-12	01
13	160.0 mm Card guide with following specifications: <ul style="list-style-type: none"> Non-flammable, made from a high quality plastic material reinforced with fibre glass. 	DWG-13	14
14	Threaded /Tapped strips with following specification: <ul style="list-style-type: none"> Material: Steel, galvanised, passivated. Dimension: M2.5, 6.0 x 2.0 for 431.8mm (84HP/84T) 	DWG-14	03
15.	Base plate with following specifications: <ul style="list-style-type: none"> Material: Aluminium 2.5 mm thick. Dimension: Length / Depth - 515.0 mm, Width - 426.0 mm 	DWG-15	01
16.	Top cover with following specifications: <ul style="list-style-type: none"> Perforated, light gray sheet aluminium 1.5 mm Dimension : Length / Depth – 520.0mm (84HP), Width –431.8mm 	DWG-16	01
17.	Clamp / holder for capacitor: <ul style="list-style-type: none"> Material : Aluminium 2.0 mm thick. Dimension : Length-80mm, Width-12mm, Height-60mm 	DWG-17	01
18.	Clamp / holder for capacitor: <ul style="list-style-type: none"> Material : Aluminium 2.0 mm thick. Dimension : Length – 80mm, Width – 12mm, Height – 80mm 	DWG-18	01
19.	Fan Clamp / holder: <ul style="list-style-type: none"> Material : Aluminium 2.5 mm thick. Dimension : Length – 121.50mm, Width-20mm, Height-20mm 	DWG-19	01
20.	Heat sink Clamp / holder: <ul style="list-style-type: none"> Material : Acrylic. Dimension : Length – 346mm, Width – 15mm, Height – 25mm 	DWG-20	02
21	Hardwares (Screws etc): <ul style="list-style-type: none"> Countersunk Screw M3 x 6.0 mm 	DWG-21	05
	<ul style="list-style-type: none"> Countersunk Screw M3.5 x 8.0 mm 		10
	<ul style="list-style-type: none"> Countersunk Screw M4 x 10 mm 		05
	<ul style="list-style-type: none"> Round Head Screw with Integrated Washer M4 x 12 mm 		40
	<ul style="list-style-type: none"> Milled edge screw slotted. Head Ø7(M2.5 x 11.3 mm) 		04

Specification Table - 2

Sl. No.	Description	Drawing No.
1.	Job work on front panel : <ul style="list-style-type: none">• Cutting & Punching.	DWG-22A
	<ul style="list-style-type: none">• Screen printing.	DWG-22B
2.	Job work on back panel : <ul style="list-style-type: none">• Cutting & Punching.	DWG-23A
	<ul style="list-style-type: none">• Screen printing.	DWG-23B
3.	Job work on base panel : <ul style="list-style-type: none">• Cutting & Punching.	DWG-24

DWG-1

BOTTOM HINGED FRONT PANEL SET :



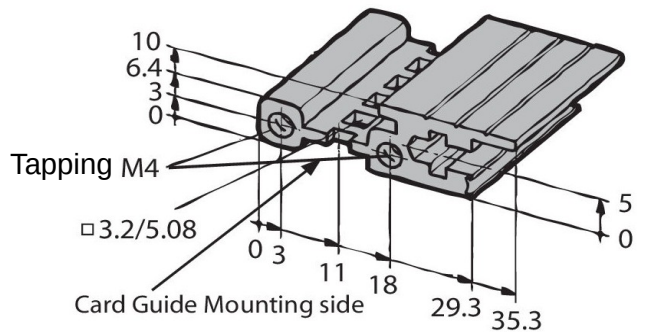
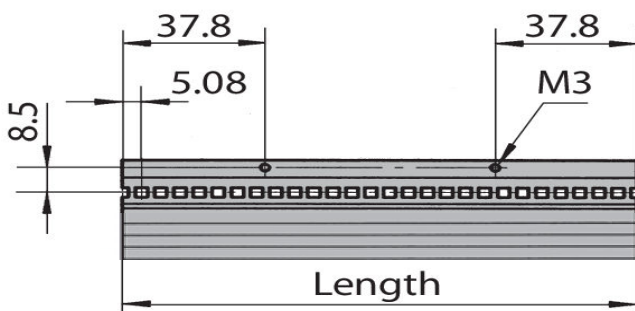
Dimensions

HP	Nominal Width		Width B	
	mm	inch	mm	inch
84 HP	426.72	16.80	426.5	16.79

U	Height H		Height h	
	mm	inch	mm	inch
3 U	128.7	5.07	117	4.61

DWG-2

FRONT EXTRUSION FOR CARD GUIDE :



Dimensions

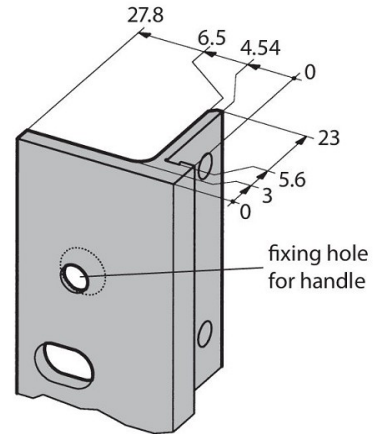
Length for HP	mm	inch
84	431.8	17.00

DWG-3

HEIGHT EXTRUSION :

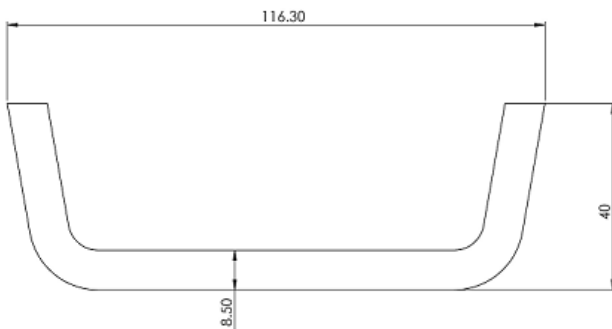
Dimensions

Length for U	mm	inch
3	132.5	5.20



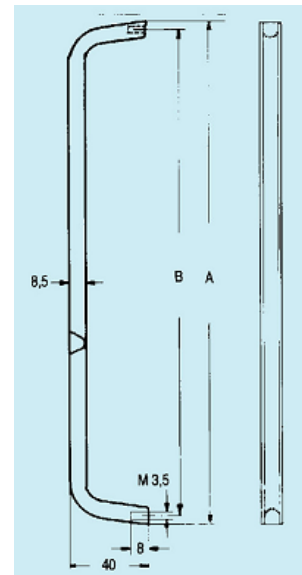
DWG-4

PULL OUT HANDLE :



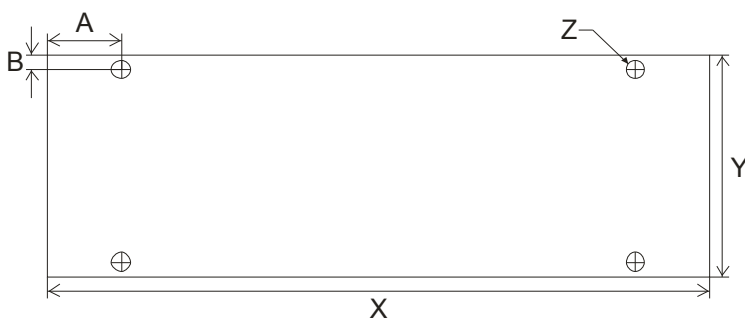
Dimensions

A = 116.3 mm
B = 108.3 mm
C = 40 mm



DWG-5

REAR PANEL :



Dimensions :

A = 45.0 mm
B = 3.0 mm

X = 431.5 mm

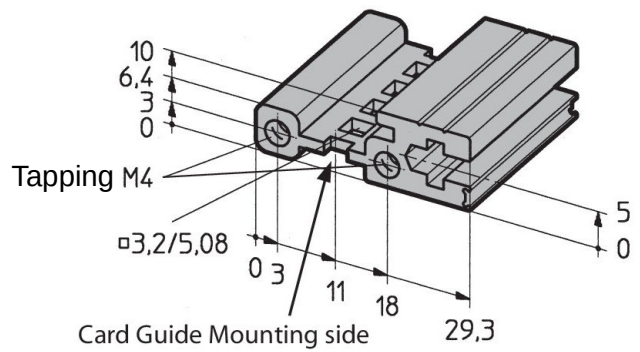
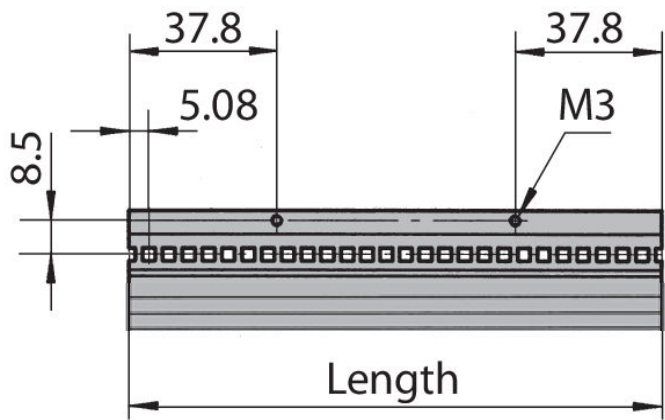
Y = 128.8 mm

Drill size :

Z = \oplus = 3.5 mm

DWG-6

REAR / BACK EXTRUSION :

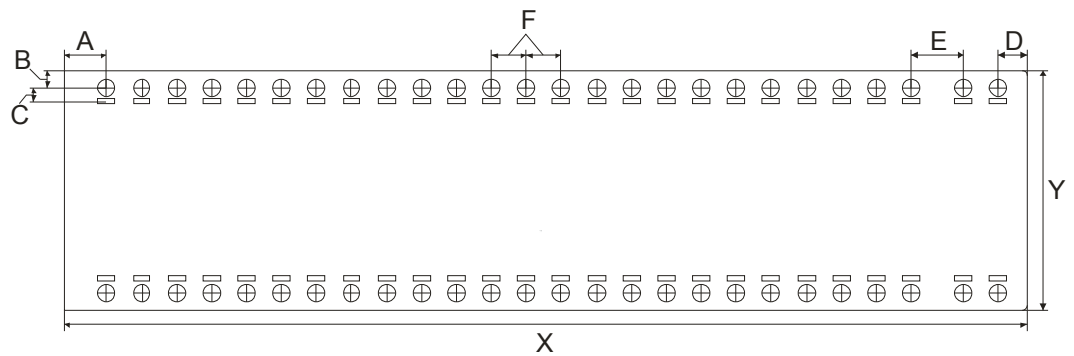


Dimensions

Length for HP	mm	inch
84	431.8	17.00

DWG-7

SIDE PANEL :




Dimensions :

A = 14.5 mm
 B = 6.5 mm
 C = 4.0 mm
 D = 12.5 mm
 E = 25.0 mm
 F = 15.0 mm

X = 547.0 mm
 Y = 132.0 mm

Drill size :

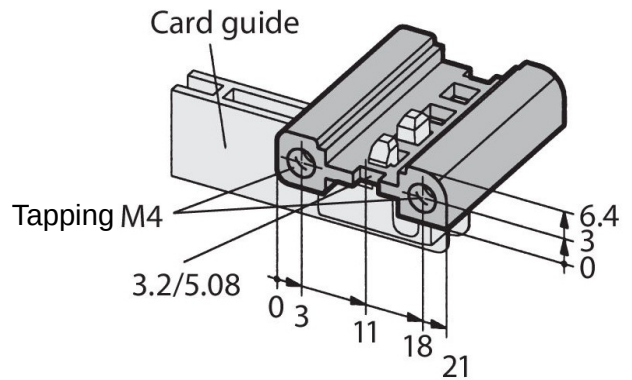
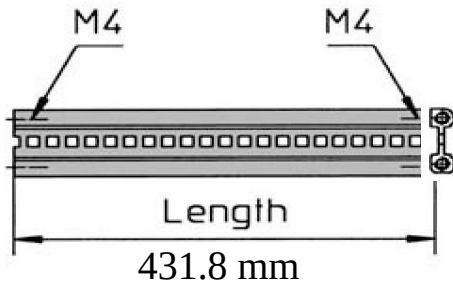
 = 4.0 mm

Punch size :

 = 6.0 X 2.0 mm

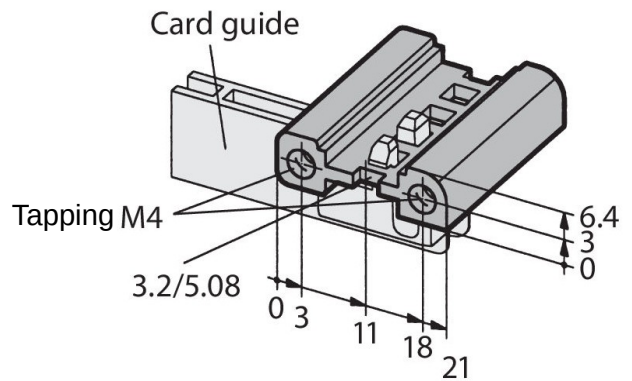
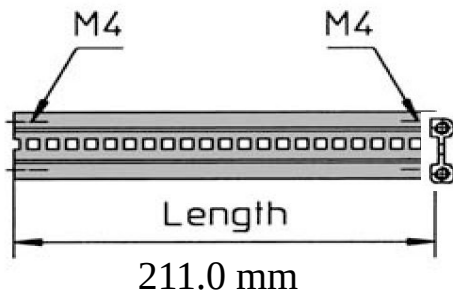
DWG-8

INTERNAL EXTRUSION :



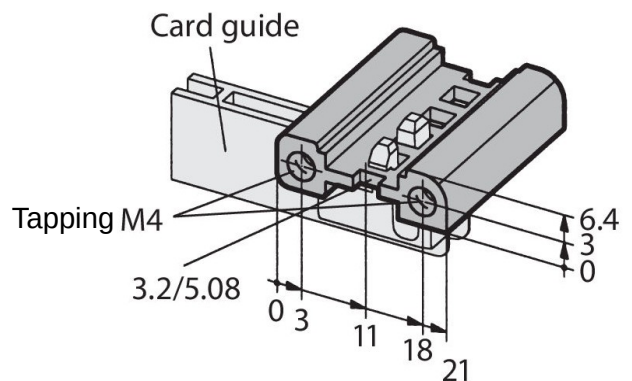
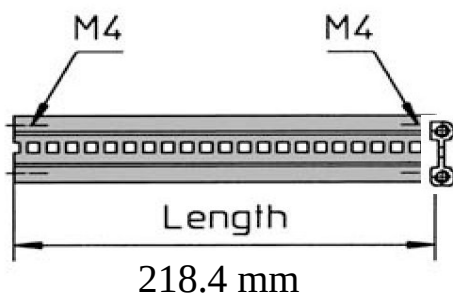
DWG-9

INTERNAL EXTRUSION FOR CARD GUIDE :



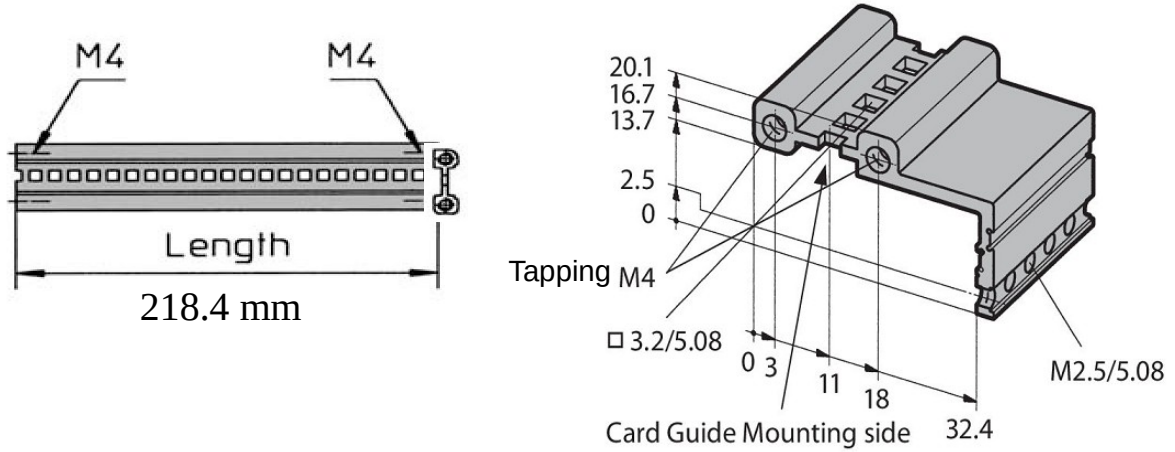
DWG-10

INTERNAL EXTRUSION FOR CARD GUIDE :



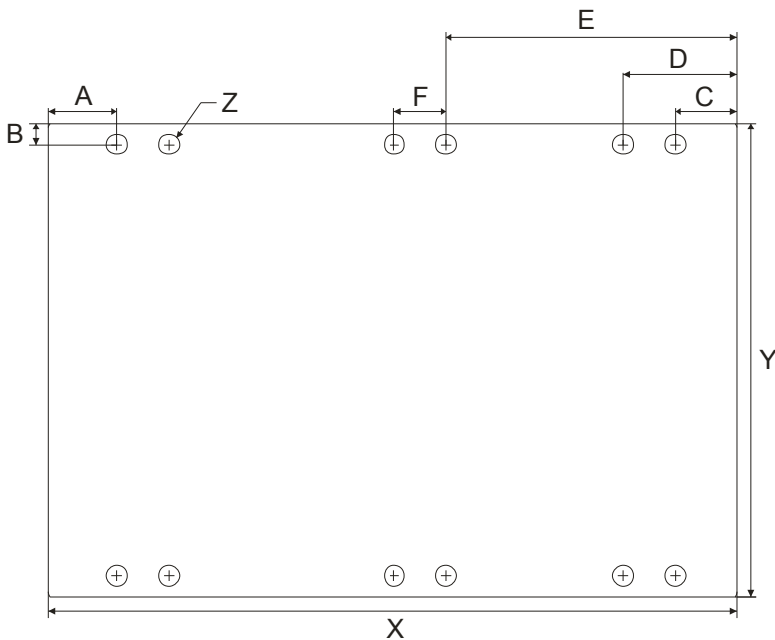
DWG-11

STANDARD INTERNAL EXTRUSION FOR CARD GUIDE :



DWG-12

VERTICAL INTERNAL PARTITION PLATE :




Dimensions :

A = 17.5 mm
 B = 3.0 mm
 C = 11.5 mm
 D = 26.5 mm
 E = 71.5 mm
 F = 15.0 mm

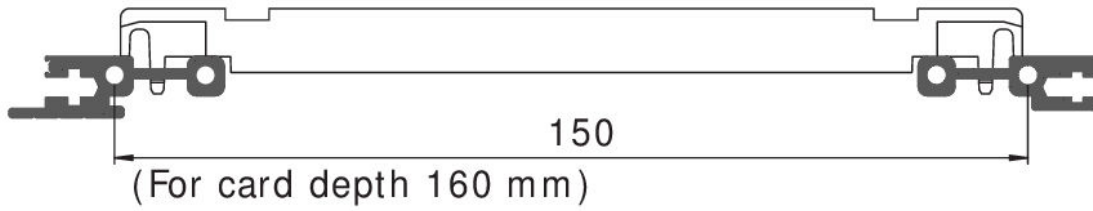
X = 180.0 mm
 Y = 125.0 mm

Drill size :

Z =  = 4.0 mm

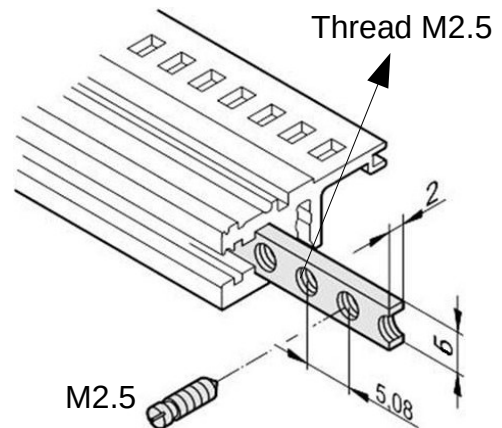
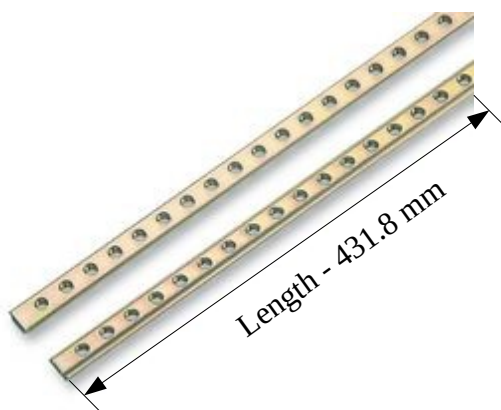
DWG-13

160.0 mm CARD GUIDE :



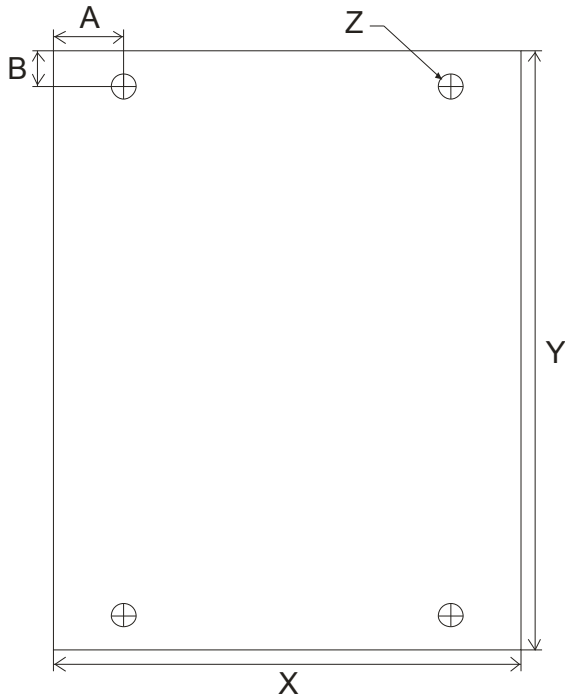
DWG-14

THREADED / TAPPED STRIPS :



DWG-15

BASE PLATE :



Dimensions :

A = 37.8 mm
B = 12.5 mm

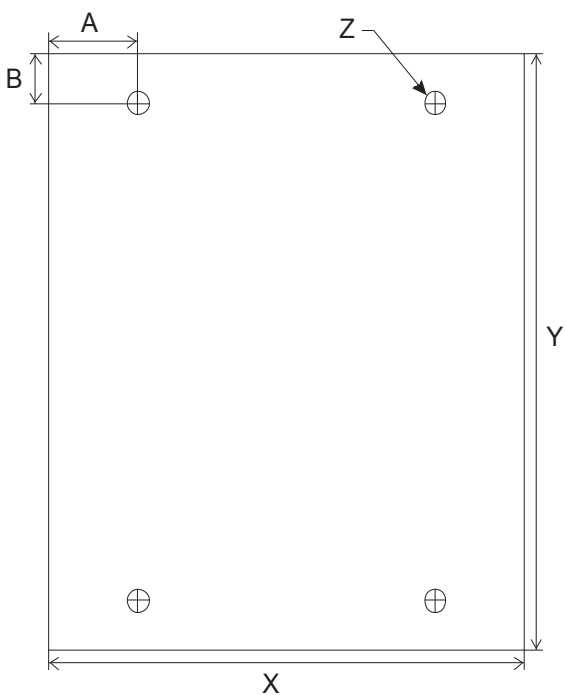
X = 426.0 mm
Y = 515.0 mm

Drill size :

Z = \oplus = 3.5 mm

DWG-16

TOP COVER :



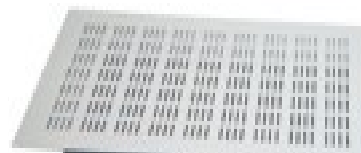
Dimensions :

A = 40.4 mm
B = 15.0 mm

X = 431.8 mm
Y = 520.0 mm

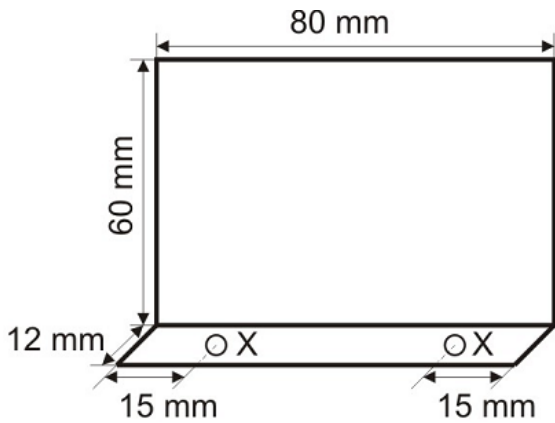
Drill size :

Z = \oplus = 3.5 mm



DWG-17

Small Capacitor Clamp :

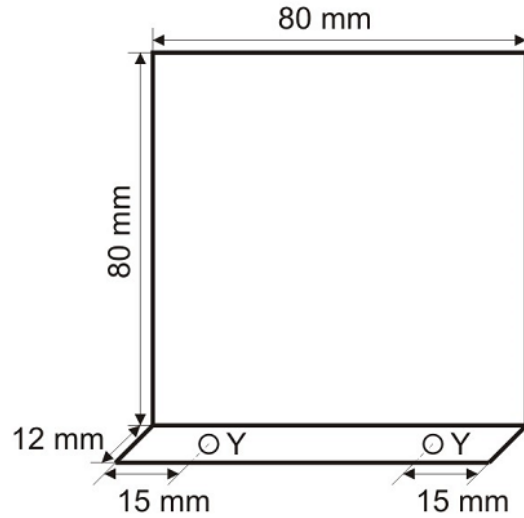


Drill size :

$$X = \text{⊕} = 4.5 \text{ mm}$$

DWG-18

Big Capacitor Clamp :

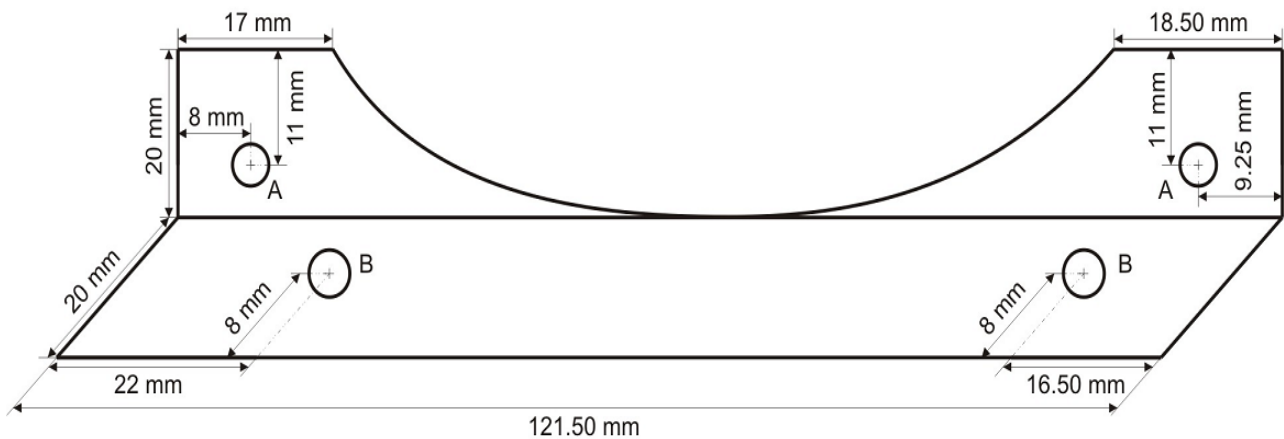


Drill size :

$$X = \text{⊕} = 4.5 \text{ mm}$$

DWG-19

Fan Clamp :



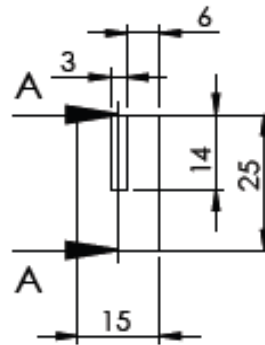
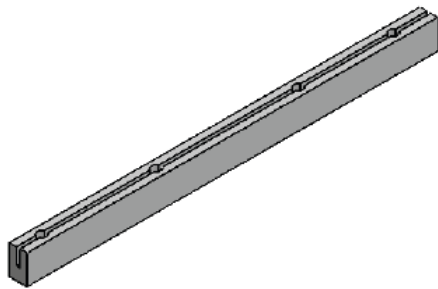
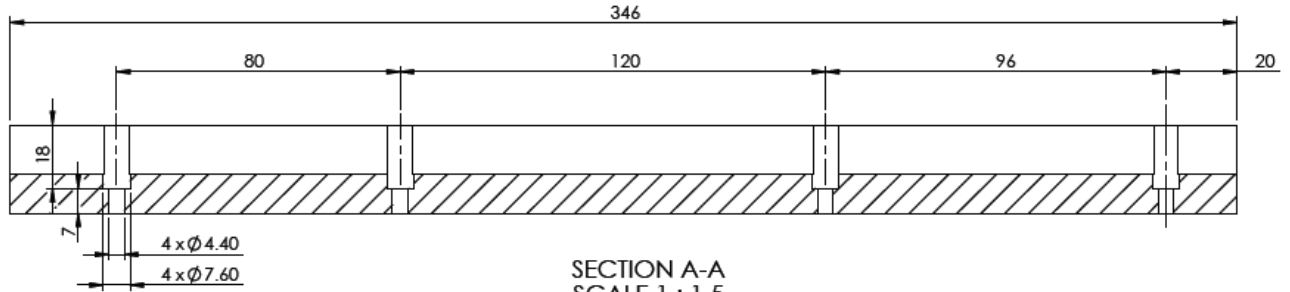
Drill size :

$$A = \text{⊕} = 4.0 \text{ mm}$$

$$B = \text{⊕} = 4.5 \text{ mm}$$

DWG-20

HEATSINK CLAMP / HOLDER :



DWG-21

HARDWARES :



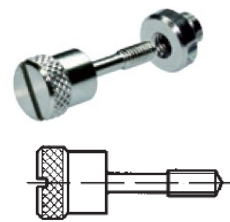
Size :

M3 x 6.0 mm
M3.5 x 8.0 mm



Size :

M4 x 10.0 mm
M4 x 12.0 mm

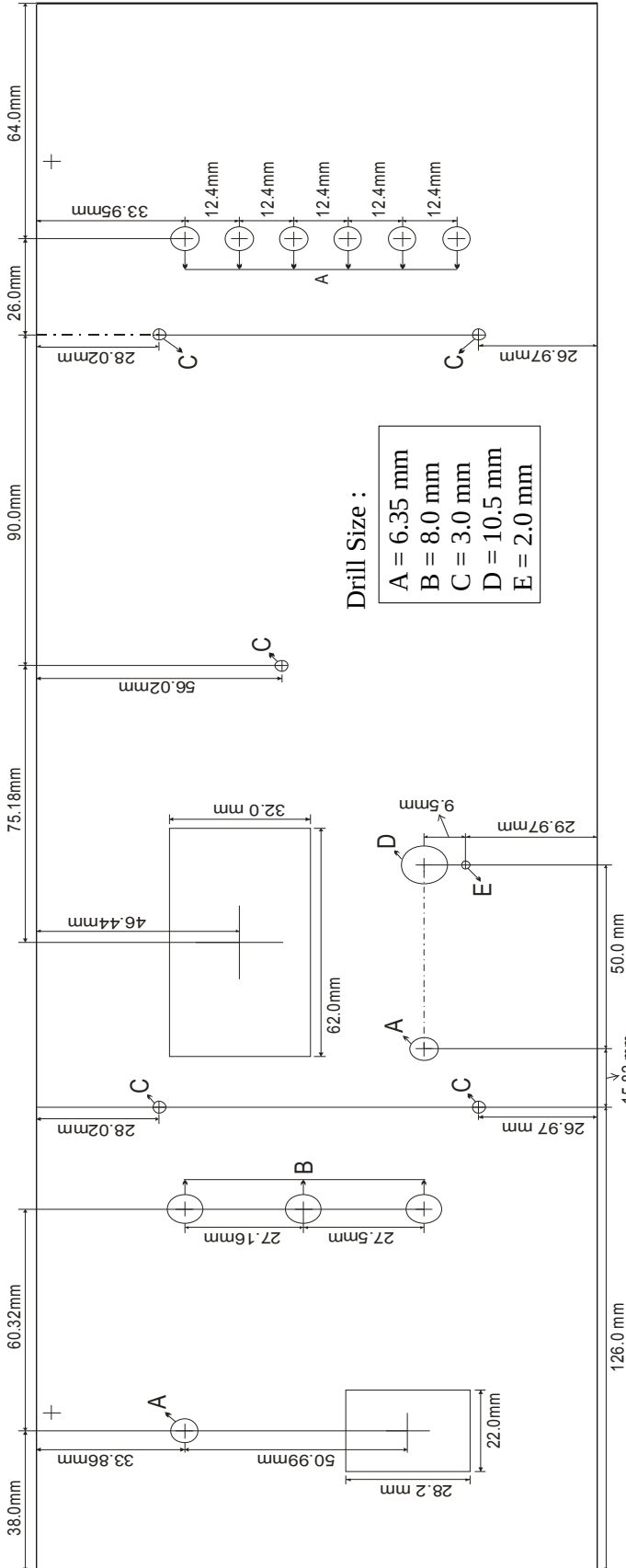


Size :

M2.5 x 11.3 mm

DWG-22 A

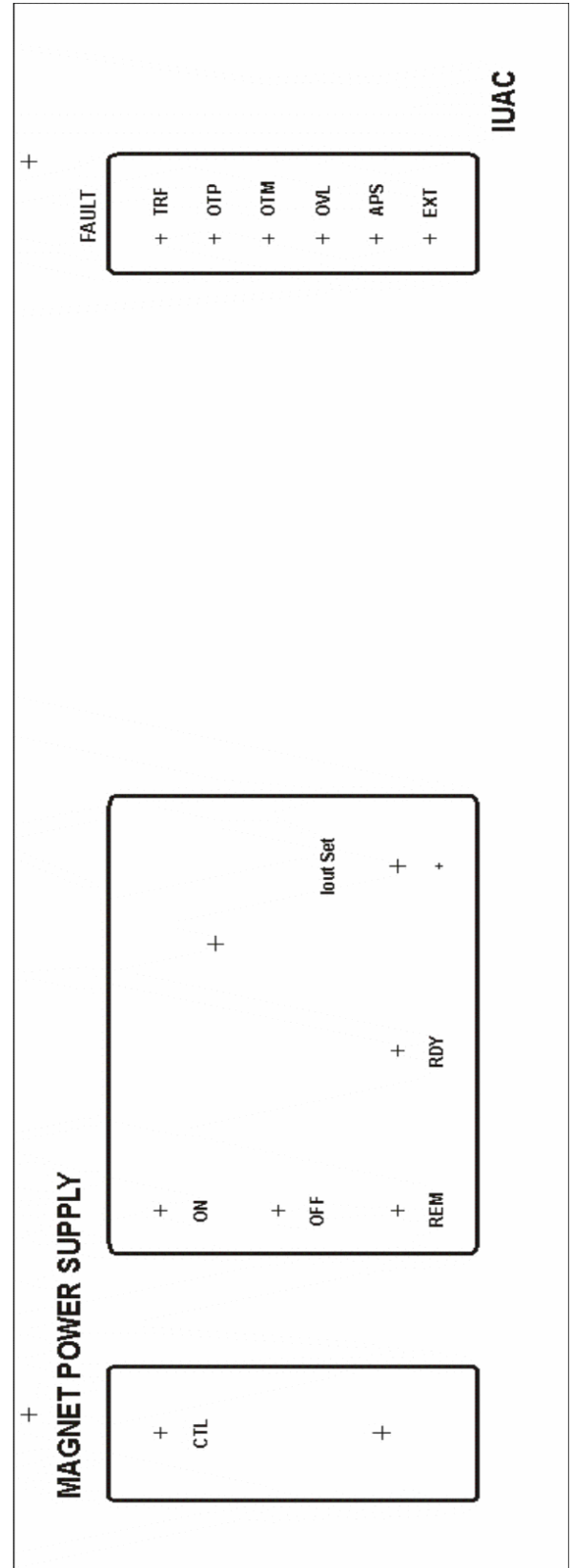
FRONT PANEL JOB WORK :
Cutting & punching.



Drill Size :
 A = 6.35 mm
 B = 8.0 mm
 C = 3.0 mm
 D = 10.5 mm
 E = 2.0 mm

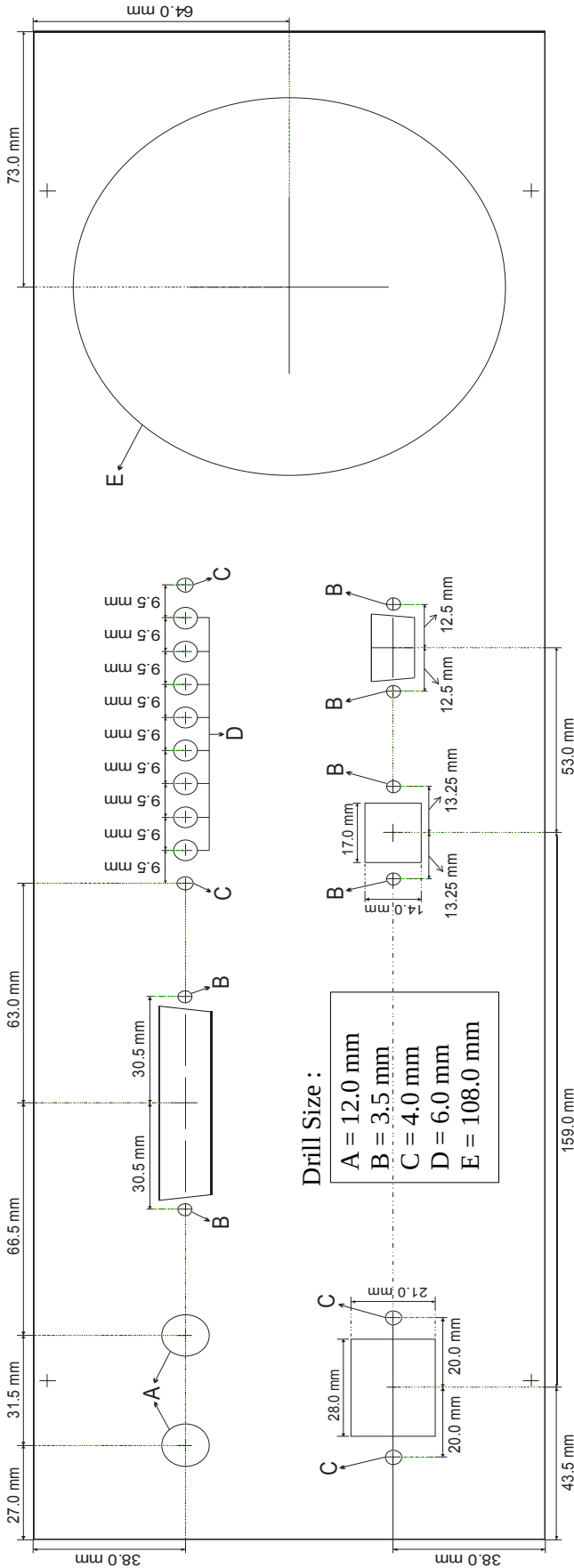
DWG-22 B

FRONT PANEL JOB WORK :
Screen printing.



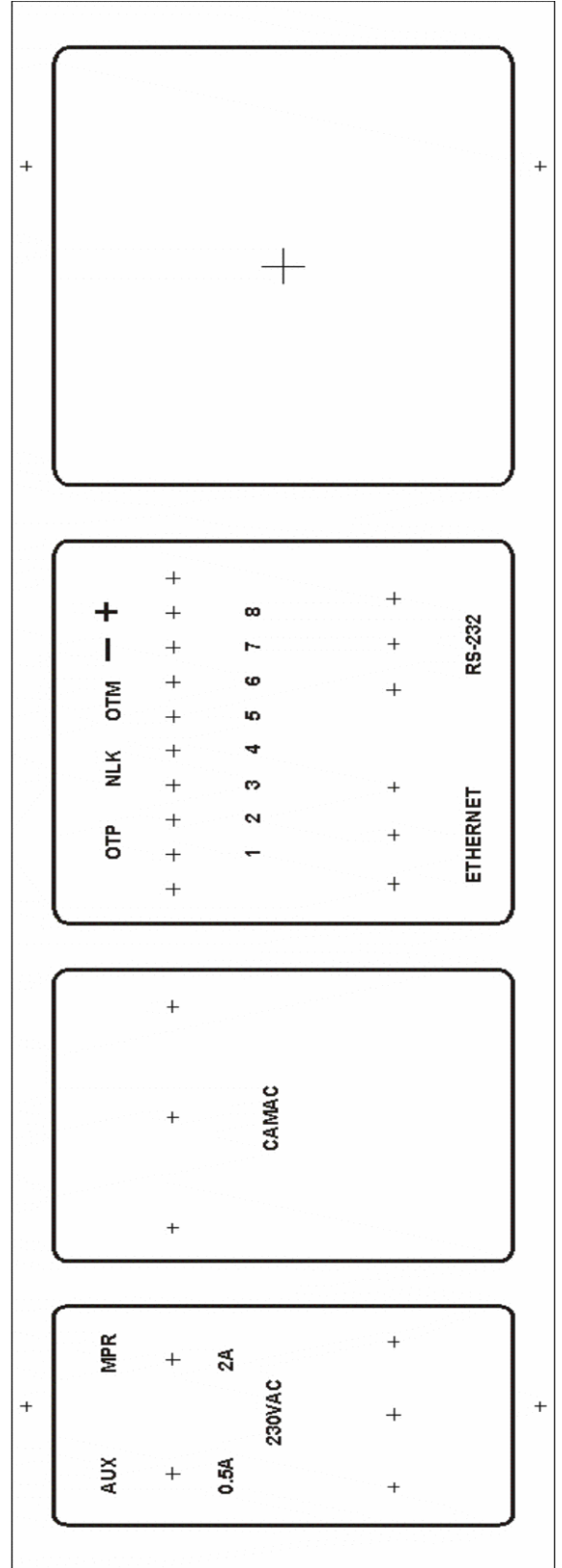
DWG-23 A

BACK PANEL JOB WORK :
Cutting & punching.



DWG-23 B

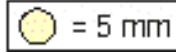
BACK PANEL JOB WORK :
Screen printing.



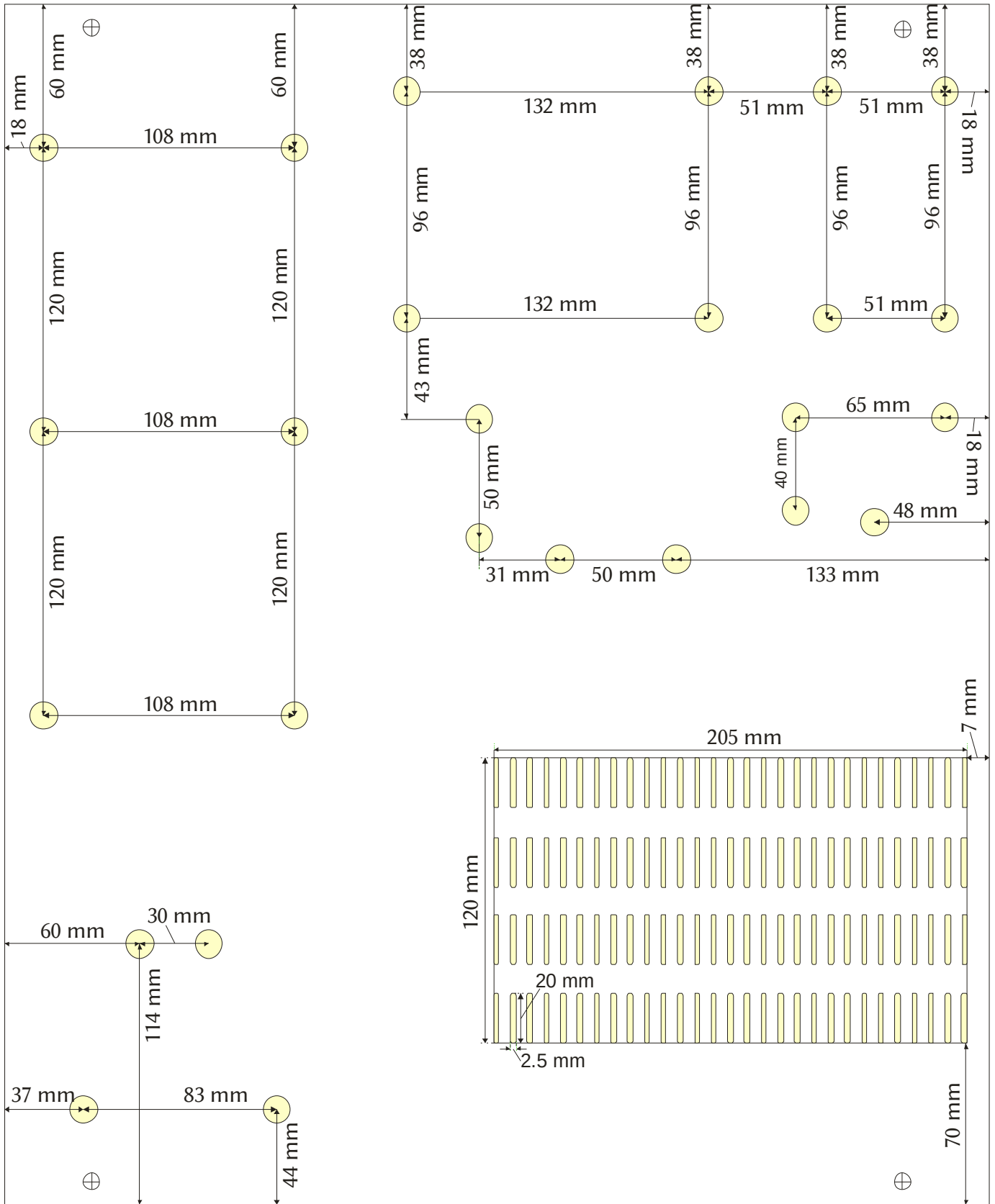
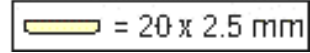
DWG-24

BASE PLATE JOB WORK :
Cutting & punching.

Drill size



Punch size



BOQ / PRICE BID

(Price should be quoted in the standard BOQ format of this tender. Unit rate should be inclusive of freight charge upto IUAC New Delhi but exclusive of GST & other government duty. Incomplete price bid will be rejected)

Tender Inviting Authority: INTER UNIVERSITY ACCELERATOR CENTRE

Name of Work/Supply : 19 inch rack mount 3U/84T/550mm-deep Instrument cabinets with required accessories & job work.

Sl. No	Description of items	Rqd. Qty	Unit
1	Instrument Cabinet 3U/84T/550mm-deep with accessories & job work as per specification table-1 &2 , Material- Aluminum	50	nos

Name & Signature of Tenderer with Company's Seal

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date: _____

To
The Administrative Officer (S&P)
Inter-University Accelerator Centre
Aruna Asaf Ali Marg
New Delhi-110 067.

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work : _____

Dear Sir,

We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:

_____ as per your
advertisement, given in the above mentioned website(s).

We hereby certify that we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and we shall abide hereby by the terms / conditions / clauses contained therein.

The corrigendum(s) issued from time to time by your department/ organisation too have also been taken into consideration, while submitting this acceptance letter.

We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.

We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/ Public sector undertaking.

We certify that all information furnished by the our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organisation shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)