第十章 作业

计算题

Suppose you are the seller, please calculate the unit price in USD(on the basis of CIFC5% Houston) according to the following information:

Port of shipment: Shanghai Port of destination: Houston Purchase Cost: CNY 80/piece

VAT Rate: 17%

Drawback Rate: 15% Quantity: 2000 pieces

Warehouse Charges: CNY 600 Certificate charges: CNY300

Domestic Transport Charges: CNY 500

Port charges: CNY 1000

Interest Rate: 2.5% year, 30 days on the basis of purchase cost

Banking Charges: advising charges CNY 200

Export freight: USD 0.5/piece

Export Premium: All Risks 0.8% War Risks 0.3%

Commission Rate: 5% on the basis of CIFC5%

Profit rate: 10% on the basis of CIFC5% Exchange Rate: USD: CNY = 1: 6.38/6.40

答案:

I List the information

1. Quantity: 2000 pieces

2. Cost

Purchase Cost: CNY 80/pieces

VAT Rate: 17%

Drawback Rate: 15%

3. Charges

1) Domestic charges

Warehouse Charges: CNY 600 Certificate charges: CNY 300

Domestic Transport Charges: CNY 500

Port charges: CNY 1000

Interest Rate: 2.5% year, 30 days on the basis of purchase cost

Banking Charges: advising charges CNY 200

2) Export charges

Export freight: USD 0.5/piece

Export Premium: All Risks 0.8% War Risks 0.3% Commission Rate: 5% on the basis of CIFC5%

4.profit

Profit rate: 10% on the basis of CIFC5%

5. Exchange rate

Exchange Rate: USD: CNY = 1: 6.38/6.40

II Calculation

1. Cost

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Actual Cost= Purchase cost-Drawback
            =Purchase cost-Purchase cost ÷ (1+VAT Rate) × Drawback Rate
            =CNY 80-80÷ (1+17%) ×15%
            =CNY80-10.2564
            =CNY69.7436/piece
2. Charges
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1) Domestic charges

: Domestic charges = Warehouse charges+ Certificate charges+ Domestic transport charges+ Port charges+ Banking charges + Interest $= \text{CNY}(600+300+500+1000+200) \div 2000+0.1667$

$$= \text{CNY}(600+300+500+1000+200) \div 2000+0.1667$$

$$=$$
 CNY1.3+0.1667

- = CNY1.4667/piece
- 2) Export charges
 - (1) Export freight = $USD0.5 \times 6.38 = CNY3.19$ / piece
 - (2) Export premium= CIF \times (1+ insurance bonus rate) \times premium rate $= CIFC5\% \times (1+10\%) (0.8\%+0.3\%)$ = CIFC5% \times 1.21% / piece
 - (3) Commission= commission-included price × commission rate = CIFC5% \times 5% /piece

Export charges = Export freight+ Export premium + Commission

3. Profit= Quoted price × profit rate

$$= CIFC5\% \times 10\%/piece$$

∴ CIFC5%=Actual Cost+ Charges + Profit

CIFC5%- CIFC5%×0.1621 = CNY74.4003

$$CIFC5\%(1-0.1621) = CNY74.4003$$

$$CIFC5\% = CNY74.4003 \div (1-0.1621)$$

=CNY88.7938/piece

Covert CNY into USD:

=USD13.92 /piece

So the unit price is USD13.92/piece CIFC5% Houston