

Example :- Segment A and B have been identified as reportable segments as per 10% Tests.

Details of Revenue of all segments are as follows :-

	A	B	C	D	E	Total
<u>External :-</u>						
a) Domestic	50	40	20	15	20	145
b) Export	150	130	10	40	40	370
Total External Rev.	200	170	30	55	60	515
Inter-segment	15	10	5	5	10	45
Total Segment Revenue	215	180	35	60	70	560

Calculate as per the 75% external revenue principle whether additional segments are to be identified as reportable segments.

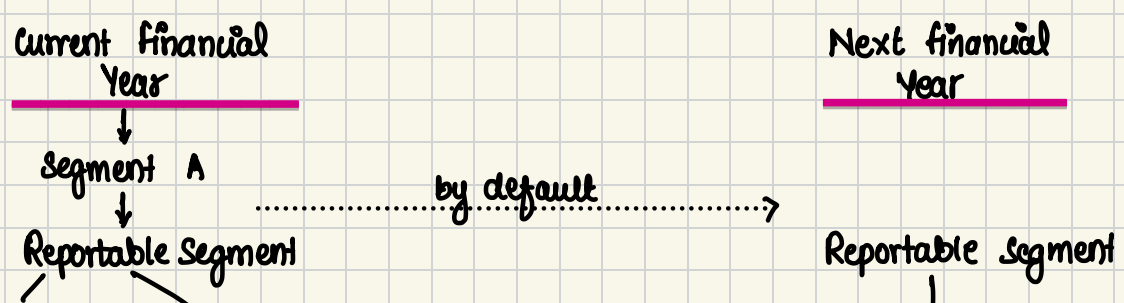
Solution :- As per 75% Revenue Principle ;

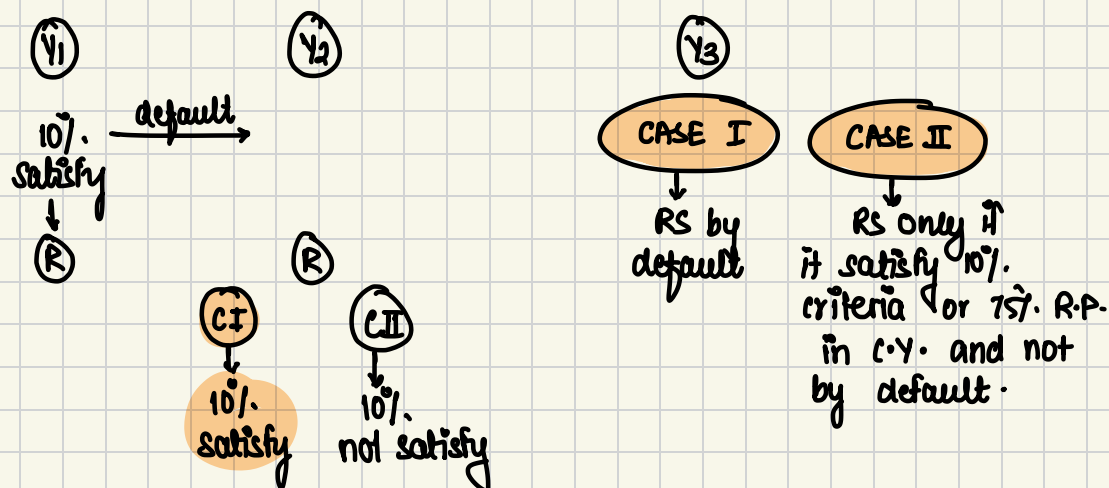
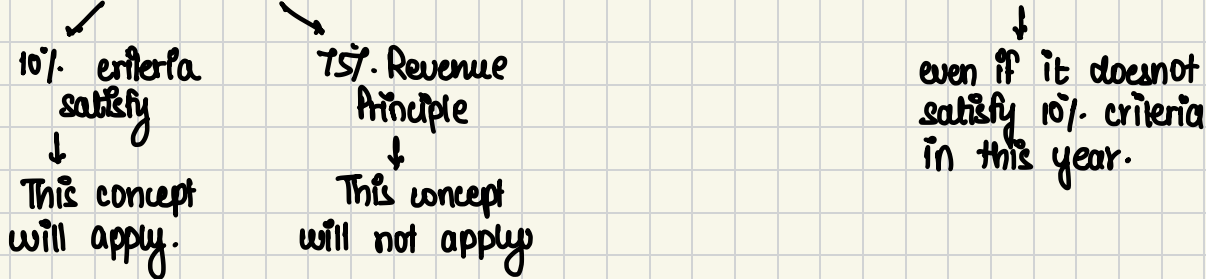
External Revenue of Reportable segments $\geq$ 75% Total Enterprise (External) Revenue .

- 1) External Revenue of Reportable = 370
- 2) Enterprise Revenue = 515
- 3) Percentage of Enterprise Revenue = $\frac{370}{515} \times 100 = 71.84\%$

The entity will have to identify more segments are reportable segments until total external revenue of reportable segments is $\geq$ 75% of Total Enterprise Revenue.

CONTINUITY PRINCIPLE





REPORTABLE SEGMENT FOR 1st TIME

If a segment is identified as reportable segment for the 1st time, the company should restate and present its data relating to the preceding period unless it is impractical to do so.

This should be done for comparative purpose.

This should be done even if the particular segment did not satisfy 10% thresholds in the preceding period.

CHANGE IN ACCOUNTING POLICIES RELATED TO SEGMENT REPORTING

- Disclosure
 - a) Nature of change
 - b) Financial impact in the segment report.
- Disclosure should be given in the segment report itself.

Example :- Identification of a new reportable segment.
change in basis of allocation of revenue and expenses amongst the segments.

DISCLOSURES REQUIRED IN SEGMENT REPORT

- 1- Segment Revenue :
$$\frac{\text{External Revenue} + \text{Intersegment Revenue}}{\text{Total Segment Revenue}}$$
 - * Reconcile with Enterprise Revenue

2. Segment Results : * Reconcile with Enterprise Results

3. Segment Assets : Fixed Assets
Currents Assets

- * F.A. acquired during the period
- * Depreciation/Amortisation during the period.

* Reconciliation with Enterprise Assets.

4. Segment Liabilities : NCL
CL

* Reconciliation with Enterprise Liabilities

How to identify a segment



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AS-17: SUMMARY CHART

Segment :- Component

Products & Services sell

Risks & Rewards

Products & Service

Geographical Area/
Economic Environment

Business Segment

Geographical Segment

Location of
Customer

Location of
Assets

Identification of Primary Segment

Dominant factor to identify Risks & Rewards

Products & Service

Geographical Area

Business Segment → Primary
Geographical Segment → Secondary

Geographical segment → Primary
Business segment → Secondary

If however, both are dominant.

Primary Segment - Business Segment.
Secondary Segment - Geographical Segment.

Calculation of Segment Revenue & Expenses

Segment Revenue



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Segment Expenses

- Directly attributable revenue
- Portion of enterprise revenue that can be allocated
- Intersegment revenue.

- Directly Attributable Expenses.
- Portion of Enterprise expenses that can be allocated.
- Intersegment expenses.

DOES NOT INCLUDE

- Extraordinary income/gains as per AS-5
- Interest income, Dividend income, Gain on sale of investments

DOES NOT INCLUDE

- Extraordinary expenses/losses as per AS-5.
- Interest expense, loss on sale of investments.
- Income tax expenses.
- General Admin o/m, Head Office Expenses.

These can be include if segment is of financial Nature.

* Interest Expense can be included in Segment Expense if Inventory is included in Segment Assets and as per combined interpretation of AS-16 read with AS-2 interest forms part of cost of inventory.

Segment Assets

- Directly attributable assets.
- Assets that can be allocated on a reasonable basis.

Segment Liabilities

- Directly attributable liabilities
- Liab. that can be allocated on a reasonable basis.

Identification of Reportable Segments

A segment is a reportable segment if any of the three criteria are satisfied :-

i) Segment Revenue Test :-

If Segment Revenue $\geq 10\%$ Total Revenue of all segments combined.

* Segment Revenue = External Revenue + Intersegment revenue.

ii) Segment Assets Test :-

If Segment Assets $\geq 10\%$ Total Assets of all segments combined.

iii) Segment Result Test :-

If Segment Result $\geq 10\%$ of

- Total of all segments in profit
- Total of all segments in losses w.e. greater in absolute terms.

* Reportable Segments identified as per the above tests are only the minimum segments to be reported.

Additional Segments can be reported if ;

- Management feels it is appropriate to do so.
- As per TSF. Revenue Principle it is required to do so.

TSF. Revenue Principle



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If Total External Revenue of Reportable Segments is not $\geq 75\%$ of Total Enterprise Revenue then additional segments will have to be reported as Reportable segments until the total external revenue of reportable segments is atleast 75% of Total Enterprise Revenue.

* Please Note :- in the 10% Revenue Criteria : Segment Revenue (External + Internal) is considered.
in the 75% Revenue Principle : External Revenue is only considered.

CONTINUITY PRINCIPLE

Current F.Y.

↓
Seg-A.
↓
10% Threshold
satisfy
↓
RS

By default
→

Next F.Y.

Reportable
Segment
↓
even if no
threshold is satisfied.

FIRST TIME REPORTABLE SEGMENT

Preceding period data → restate & present for comparative purpose.

CHANGE IN ACCOUNTING POLICY RELATED TO SEGMENT REPORTING

→ Disclosure :- Nature of change
Financial Impact in Segment Report.

SEGMENT REPORT PRESENTATION

1. Segment Revenue :
$$\frac{\text{External Revenue} + \text{Intersegment Revenue}}{\text{Total Segment Revenue}}$$
 - * Reconcile with Enterprise Revenue
2. Segment Results : * Reconcile with Enterprise Results
3. Segment Assets :
$$\frac{\text{Fixed Assets} + \text{Current Assets}}{\text{Total Segment Assets}}$$
 - * F.A. acquired during the period
 - * Depreciation / Amortisation during the period.
 - * Reconciliation with Enterprise Assets.
4. Segment Liabilities :
$$\frac{\text{NCL} + \text{CL}}{\text{Total Segment Liabilities}}$$
 - * Reconciliation with Enterprise Liabilities



AS-17: SEGMENT REPORTING

STUDENT NOTES

SEGMENT ASSETS CRITERIA

- Segment Assets $\geq 10\%$ of Total Segment Assets.

SEGMENT RESULT CRITERIA

Segment results $\geq 10\%$ of

1. Combined result of all segments in profit.
 2. Combined results of all segments in loss.
- Whichever is Greater in absolute terms.

→ simple mudda :- Reportable segments ka external revenue should represent atleast 75% of Enterprise Revenue.

IMPORTANT POINTS:

1. 75% REVENUE PRINCIPLE:

If TOTAL EXTERNAL REVENUE attributable to reportable segments constitutes $< 75\%$ of total enterprise revenue, additional segments should be identified as reportable segments even if they don't meet the 10% criteria mentioned above until at least 75% of the total enterprise revenue is included in reportable segments.

2. CONTINUITY PRINCIPLE:

A segment identified as reportable segment in the immediately preceding period upon satisfaction of the 10% thresholds, continues to be a reportable segment for the current period notwithstanding that its revenue, assets, results no longer meet the 10% criteria.

1 2 3 4 5 6

3 Test satisfy

↓
reportable

Total External Revenue

$\geq 75\%$

Segment Revenue

External Revenue

+
~~Intersegment Revenue~~

Domestic
Export

of Enterprise Rev. (Revenue of Segments - Inter Segment Revenue)





AS-17: SEGMENT REPORTING

Student
Notes

for allocating revenues and expenses to segments. ^{Additional ques} Such changes can have a significant impact on the segment information reported but will not change aggregate financial information reported for the enterprise. To enable users to understand and impact of such changes, this Statement requires the disclosure of the nature of the change and the financial effect of the change, if reasonably determinable".

Answer

In view of the above, a change in the basis of allocation revenue and expenses to segments is a change in the accounting policy adopted for segment reporting.

Accordingly, if the change has a material financial effect on the segment information, a description of the nature of the change, and the financial effect of the change, if it is reasonably determinable, should be disclosed. → same as 1st paragraph.

Question 17 (RTP May 22)

Company A is engaged in the manufacture and sale of products, which constitute two distinct business segments. The products of the Company are sold in the domestic market only. The management information system of the Company is organized to reflect operating information by two broad market segments, rural and urban. Besides the two business segments, how should Company A identify geographical segments? Do geographical segments exist within the same country? Explain in line with the provisions of AS 17.

A Company has an inter-segment transfer pricing policy of charging at cost less 10%. The market prices are generally 20% above cost. You are required to examine whether the policy adopted by the company is correct or not? → Homework

Quote :- Component → PLS : Economic Envir. → R & R different within an

Answer:

(a) AS 17 explains that, "a single geographical segment does not include operations in economic environments with significantly differing risks and returns. A geographical segment may be a single country, a group of two or more countries, or a region within a country". Accordingly, to identify geographical segments, Company A needs to evaluate whether the segments reflected in the management information system function in environments that are subject to significantly differing risks and returns irrespective of the fact whether they are within the same country.

The Standard recognizes that, "Determining the composition of a business or geographical segment involves a certain amount of judgement...". Accordingly, while the management information system of the Company provides segment information for rural and urban geographical segments for the purpose of internal reporting, judgement is required to determine whether these segments are subject to significantly differing risks and returns based on the definition of

other eco-
envir.
factors of
determining
geog. seg-
can be
quoted.

Internal Report → System set → not nec. satisfies AS-17.

Judgement → R & V seg → does these seg have CA Tejas Suchak





significant different R & R. If yes, then these can be identified as separate Geographical seg.
Basis of Judgement:- class of customers, pricing policy, political environ.
AS-17: SEGMENT REPORTING.

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STUDENT NOTES

geographical segment. In making such a judgement, aspect like different pricing and other policies, e.g., credit policies, deployment of resources between different regions etc., may be considered for the purpose identifying 'urban and 'rural' as separate geographical segment.

Company A, in making judgment for identifying geographical segments, should also consider the relevance, reliability and comparability over time of segment information that will be reported. The Standard, explains that, "In making that judgement, enterprise management takes into account the objective of reporting financial information by segment as set forth in the standard and the qualitative characteristics of financial statements. The qualitative characteristics include the relevance, reliability and comparability over time of financial information that is reported about the different groups of products and services of an enterprise and about its operations in particular geographical areas, and the usefulness of that information for assessing the risks and returns of the enterprise."

(b) AS 17 'Segment Reporting' requires that inter-segment transfers should be measured on the basis that the enterprise actually used to price these transfers. The basis of pricing inter-segment transfers and any change therein should be disclosed in the financial statements. Hence, the enterprise can have its own policy for pricing inter-segment transfers and hence, inter-segment transfers may be based on cost, below cost or market price. However, whichever policy is followed, the same should be disclosed and applied consistently. Therefore, in the given case inter-segment transfer pricing policy adopted by the company is correct if followed consistently.

Question 18 (RTP Nov 22)

A Company has an inter-segment transfer pricing policy of charging at cost less 10%. The market prices are generally 25% above cost. Is the policy adopted by the company correct?

Answer:

AS 17 'Segment Reporting' requires that inter-segment transfers should be measured on the basis that the enterprise actually used to price these transfers. The basis of pricing inter-segment transfers and any change therein should be disclosed in the financial statements. Hence, the enterprise can have its own policy for pricing inter-segment transfers and hence, inter-segment transfers may be based on cost, below cost or market price. However, whichever policy is followed, the same should be disclosed and applied consistently. Therefore, in the given case inter-segment transfer pricing policy adopted by the company is correct if, followed consistently.





Question 5

Calculate the **segment results** of a **manufacturing organization** from the following information:

(RTP Nov 18 & New SM)

Segments	A	B	C	Total
Directly attributed revenue → SR	5,00,000	3,00,000	1,00,000	9,00,000
Enterprise revenue (allocated in 5:4:2 basis)	50,000	40,000	20,000	1,10,000
Revenue from transactions with other segments				
Transaction from B ✓	1,00,000		50,000	1,50,000
Transaction from C ✓	10,000	50,000		60,000
Transaction from A		25,000	1,00,000	1,25,000
Operating expenses	3,00,000	1,50,000	75,000	5,25,000
Enterprise expenses (allocated in 5: 4: 2 basis)	35,000	28,000	14,000	77,000
Expenses on transactions with other segments				
Transaction from B ✓	75,000		30,000	
Transaction from C ✓	6,000	40,000		
Transaction from A		18,000	82,000	

Answer 5

Calculation of segment result

Segments	A	B	C	Total
	Rs.	Rs.	Rs.	Rs.
Directly attributed revenue	5,00,000	3,00,000	1,00,000	9,00,000
Enterprise revenue (allocated in 5: 4: 2 basis)	50,000	40,000	20,000	1,10,000
Revenue from transactions with other segments				
Transaction from B	1,00,000		50,000	1,50,000
Transaction from C	10,000	50,000		60,000
Transaction from A		25,000	1,00,000	1,25,000
Total segment revenue as per AS 17 (A)	6,60,000	4,15,000	2,70,000	13,45,000
Operating expenses	3,00,000	1,50,000	75,000	5,25,000
Enterprise expenses (allocated in 5 : 4 : 2 basis)	35,000	28,000	14,000	77,000
Expenses on transactions with other segments				
Transaction from B	75,000		30,000	1,05,000
Transaction from C	6,000	40,000		46,000
Transaction from A		18,000	82,000	1,00,000
Total segment expenses as per AS 17 (B)	4,16,000	2,36,000	2,01,000	8,53,000
Segment result (A-B)	2,44,000	1,79,000	69,000	4,92,000

Question 6 → Homework

The accountant of **Parag Limited** has furnished you with the following data related to its Business Divisions:
(₹ in Lacs)

Division	A	B	C	D	Total
Segment Revenue	100	300	200	400	1,000





Segment Result	45	-70	80	-10	45
Segment Assets	39	51	48	12	150

You are requested to identify the reportable segments in accordance with the criteria laid down in AS 17. (PYP 5 Marks, Nov 20) (Similar to PYP Jan 21 & Nov 19 but different figures, Old & New SM) (MTP 5 Marks Sep '23) (RTP Nov '23)

Answer 6

As per AS 17 'Segment Reporting', a business segment or geographical segment should be identified as a reportable segment if:

Its revenue from sales to external customers and from other transactions with other segments is 10% or more of the total revenue- external and internal of all segments; or

Its segment result whether profit or loss is 10% or more of:

- The combined result of all segments in profit; or
- The combined result of all segments in loss, whichever is greater in absolute amount; or Its segment assets are 10% or more of the total assets of all segments.

On the basis of revenue criteria, segments A, B, C and D - all are reportable segments.

On the basis of the result criteria, segments A, B and C are reportable segments (since their results in absolute amount is 10% or more of 125 Lakhs). On the basis of asset criteria, all segments except D are reportable segments. Since all the segments are covered in at least one of the above criteria, all segments have to be reported upon in accordance with Accounting Standard (AS) 17.

Question 7

Answer any four of the following:

XYZ Ltd. has 5 business segments. Profit / Loss of each of the segments for the year ended 31st March, 2022 has been provided below. You are required to identify from the following whether reportable segments or not reportable segments, on the basis of "profitability test" as per AS-17.

Segment	Profit (Loss) ₹ in lakhs	
A	225 ✓	75% (R) P = 250 L = 300
B	25 ✓	8.33% (R)
C	(175) ✓	58.33% (R)
D	(20) ✓	6.67% (R)
E	(105) ✓	35% (R)

(PYP 5 Marks May'22)

Answer 7

As per AS 17 'Segment Reporting', a business segment or geographical segment should be identified as a reportable segment if:

Its segment results whether profit or loss is 10% or more of:

- The combined result of all segments in profit; i.e., ₹ 250 Lakhs or
- The combined result of all segments in loss; i.e., ₹ 300 Lakhs Whichever is greater in absolute amount i.e., ₹ 300 Lakhs.

Operating Segment	Absolute amount of Profit or Loss (₹ In lakhs)	Reportable Segment Yes or No
A	225	Yes





B	25	No
C	175	Yes
D	20	No
E	105	Yes

On the basis of the profitability test (result criteria), segments A, C and E are reportable segments (since their results in absolute amount is 10% or more of ₹ 300 lakhs i.e., 30 lakhs).

Question 8

Following details are given for **Sundaram Ltd** for the year ended **31st March** (₹ in Lakhs)

Particulars	Food Products	Plastics & Packaging	Health and Scientific	Others	Total
Sales (including Inter-Segment Sales)	10,000	1,240	690	364	12,294
Expenses	7,170	800	444	400	8,814
Other items: General Corporate Expenses					1,096
Income from Investments					252
Interest Expenses					126
Identifiable Assets	15,096	4,000	1,400	1,364	21,860
General Corporate Assets					1,664
Other Information:					
(a) Inter-Segment Sales are as below	120	168	36	10	
(b) Operating Profit includes ₹ 66 (000's) on Inter-Segment Sales.					

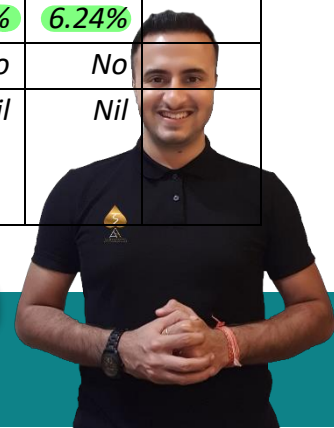
Identify the Reportable Segments in the above case. [CA Final - RTP]

Answer 8

Identification of Reportable Segments (Amounts in ₹ Lakhs)

	Particulars	Food Products ✓	Plastic and Packaging ✓	Health and Scientific	Others	Total
1.	Segment Revenue	10,000	1,240	690	364	12,294
2.	Percentage of Segment Revenue	(R) 81.34%	(R) 10.09%	5.61%	2.96%	
3.	Segment Expenses	7,170	800	444	400	8,814
4.	Segment Result (1 - 3) Profit / (Loss)	2,830	440	246	(36)	3,480
5.	Segment Result: Profit	2,830	440	246		3,516
	(Loss)				(36)	(36)
6.	Percentage of Segment Result, absolute amount of Profit or Loss, whichever is higher, i.e. % of 3,516	(R) 80.49%	(R) 12.51%	7%	1.02%	
7.	Segment Assets	15,096	4,000	1,400	1,364	21,860
8.	Percentage of Segment Assets	(R) 69.06%	(R) 18.3%	6.4%	6.24%	
9.	Reportable Segment	Yes	Yes	No	No	
10.	Criteria satisfied	Revenue, Result & Assets	Revenue, Result & Assets	Nil	Nil	

$$\frac{TP}{TL} = \frac{3516}{36} \approx 97.67\%$$



**Question 9**

Mahavishnu Ltd has 3 divisions A, B and C. Details of their Turnover, Results and Net Assets are given below. ₹ (000's)

			Amount
Division A:	Sales to B	ISR	3,050
	Other Sales (Home)	External	60
	Export Sales		4,090
		Total	7,200
Division B:	Sales to C	ISR	30
	Export Sales to Europe	External	200
		Total	230
Division C:	Export Sales to America	External	180

	Head Office	Division A	Division B	Division C
Operating Profit or Loss before Tax		160	20	(8)
Re-Allocated Cost from Head Office		48	24	24
Interest Cost		4	5	1
Fixed Assets	50	200	40	120
Net Current Assets	48	120	40	90
Long-Term Liabilities	38	20	10	120

Prepare a Segmental Report for publication in the Company's Financial Statements. [CA Final - RTP]

Answer 9

Segmental Reporting Matters for Mahavishnu Ltd (₹ 000's)

Particulars	Divisions			Inter Segment Eliminations	Consolidated Total
	A	B	C		
Segment Revenue Sales:					
Domestic	60	-	-	-	60
Export	4,090	200	180	-	4,470
External Sales	4,150	200	180	-	4,530
Inter-Segment Sales	3,050	30	-	3,080	-
Total Revenue (SR)	7,200	230	180	3,080	4,530
Segment Result (given)	160	20	(8)		172
Head Office Expenses					(96)
Operating Profit					76
Interest Expense					10
Profit before tax (Enterprise Result)					66
Other Information:	200	40	120		360
Fixed Assets					
Net Current Assets	120	40	90		250
Segment Assets	320	80	210		610
Unallocated Corporate Assets					98
Segment Liabilities	20	10	120		150
Unallocated Corporate Liabilities					38





Sales Revenue by Geographical Market (₹ 000's)

Particulars	Home Sales	Export Sales (by Division A)	Export to Europe	Export to America	Consolidated Total
External Sales	60	4,090	200	180	4,530

Question 10

From the following information of a Company having two primary segments, prepare a statement classifying the same under appropriate heads: [CA Final - RTP]

Particulars	A (₹ in Lakhs)	B (₹ in Lakhs)	Particulars	(₹ in Lakhs)
Segment Revenue	27,050	3,280	Dividend Income	285
Inter Segment Revenue	50	-	Interest Expenses	35
Segment Profit	4,640	Loss 197	Tax Provision	1,675
Capital Expenditure	1,300	16		
Non-Cash Expenses (excl. Depreciation)	114	16		
Segment Liabilities	3,430	770	Other Liabilities	2,200
Segment Assets	19,450	2,700	Other Assets	6,550
Depreciation on Assets	110	15		

Particulars	A (₹ in Lakhs)	B (₹ in Lakhs)	Total (₹ in Lakhs)
I. Segment Revenue	27,050	3,280	30,330
Inter Segment Revenue	50	-	50
Sub-Total	27,100	3,280	30,380
Less: Inter Segment Revenue			(50)
Total			30,330
II. Segment Result	4,640	(197)	4,443
Interest Expenses			(35)
Dividend Income			285
Tax Provision			(1,675)
Profit after Tax			3,018
III. Other Information			
(a) Segment Assets	19,450	2,700	22,150
Unallocated Assets			6,550
(b) Segment Liabilities	3,430	770	4,200
Unallocated Liabilities			6,400
Capital Expenditure	1,300	16	1,316
Depreciation	110	15	125
Non Cash Expenses	114	16	130

1. Segment Revenue : External. ISR
2. Segment Result → Reconciliation with ER.
3. Segment Asset : P.A. : C.A. → Cap Ex, Depn
4. Segment Liab. : N.C. : C.L.

Segment Assets

A

B

Total

1. Segment Assets
 Capital Exp
 Depn
 N.C. Exp.

19450

2700

22150

1300

16

1316

110

75

185

114

16

130

Other Assets

6550

Segment Liabilities

3430

770

4200

Other Liab

2200