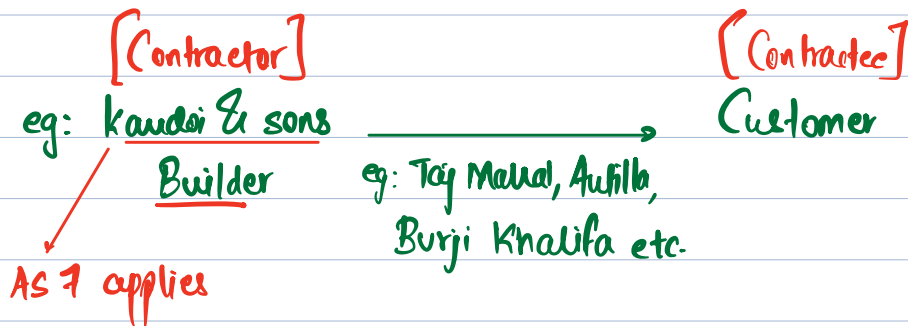


AS 7 - Construction Contracts



1] Introduction

AS 7 prescribes accounting for construction contracts in the Fin. Stats of contractor.

Main objective of this AS is to determine when the contractor should recog revenue, contract cost in the Statement of P/L.

(Separating)

2] Combining & segmenting construction contracts

eg:

1 Bldg → 100 cr.	 AK Builder	→ Student.
1 Swimming Pool → 1 cr		
1 Mini theatre → 10 cr		
1 040 Guest House → 150 cr		
1 Turf → 5 cr		

1] Separate contracts

When a contract covers a no. of assets the construction of each asset should be treated as a separate contract if:

i) Separate proposals have been submitted for each asset.

- ii) Each asset is subject to separate negotiation & the contractor or customer can accept or reject any of the contract.
- iii) Cost & Revenue of each asset can be identified separately.

B] Combined Contracts

A group of contracts should be treated as a single contract when:

- i) the group of contracts are negotiated as a single package.
- ii) The contracts are closely interrelated.
- iii) contracts are performed concurrently or in a continuous sequence.

3] Contract Revenue & Contract Cost

A] Contract Revenue

Agreed contract Price xx

(+) Agreed cost escalation

(+) Claims (only those which the customer will accept & can be measured reliably)

(+) Incentive payments (usually rec'd for early completion & will be included only when it is probable that specified target will be met)

(-) Penalties

(+) Any other payments due to variation in the contract.

meet (Positive) 100

Q1 & Q2 → Q.3

Q3 (LOR)

- i) Calculation of Contract Revenue ₹
- Fixed Price 5cr
- (+) Incentive for early completion 0.5cr
- (+) Labour cost escalation (1.2cr × 25%) 0.3cr ↗ Allowed upto 30%
- (+) Material cost escalation ($0.8cr \rightarrow 40\%$
 $0.4cr \times 20\%$) 0.4cr

Total contract Revenue 6.2cr

- ii) Contract Revenue 6.2cr
- (+) Variation in contract (Additional floor) 1cr
- (+) Claims recoverable from customer 0.2cr
- Total contract Rev 7.4cr

Contract Costs

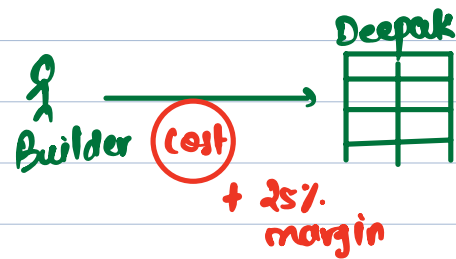
It comprises of

-
- ```
graph TD; A[Contract Costs] --> B[i) Cost that relate directly to the specific contract]; A --> C[ii) Costs that are attributable to the contract activity & can be allocated to the contract]; A --> D[iii) Other costs that are chargeable to the customer.];
```
- i) Cost that relate directly to the specific contract
- ii) Costs that are attributable to the contract activity & can be allocated to the contract
- iii) Other costs that are chargeable to the customer.

eg. Material cost, labour cost, site supervision cost, Depn of PPE used in construction, transportation cost, cost of design, technical assistance, Insurance etc.

\* Examples of cost that cannot be attributed to the contract (i.e. these cost are excluded from the cost of construction)

eg. Selling cost, Depn of PPE which was idle or not used in construction, General exps, Admin OHs, Research cost for which reimbursement is not specified in the contract etc.



#### 4] Types of construction contracts

##### Fixed price contracts

Here contractor agrees to a fixed contract price

Fixed contract price might also be subject to incentive, claims, escalation etc.

##### Costs plus contracts

Here contractor is reimbursed for all allowances exp / cost plus a fixed Percentage of these costs.

## 5. Percentage completion Method (Also known as stage of completion)

- Revenue in case of construction contracts is to be recog. in proportion of work completed every year.
- Percentage of work completed (i.e. stage of completion) may be determined by following methods:

\* #  
(a)  $\frac{\text{Actual cost incurred}}{\text{Total Estimated Cost}} \times 100$

eg: Total Estimated cost = 100 cr  
Total Revenue = 120 cr  
Cost incurred in Yr 1 = 30 cr

$$\% \text{ of completion} = \frac{30 \text{ cr}}{100 \text{ cr}} \times 100 = 30\%$$

| Exp              | PL (Yr 1) |                                        |
|------------------|-----------|----------------------------------------|
| To contract cost | 30 cr     | By contract Revenue.<br>(120 cr x 30%) |
| To profit        | 6 cr      |                                        |

## (b) Surveys of work performed

[eg: Surveyor is appointed, he checks & gives certificate of % of work completed]

⑥ Completion of physical proportion of contract work

eg: [1000 sqft tiling & painting work allocated.  
300 sqft tiling & painting in Yr1] → 30% completed.

# Imp Note:

1) Actual cost incurred in Current Year is also known as Contract WIP (work in Progress)

2) Actual cost incurred in Current Year includes :  
Work certified + work Uncertified.

Eg: Total cost incurred in Yr1 = 30cr

Estimate cost to be incurred in future = 40cr

Total cost  
70cr.

Total contract Revenue = 85cr.

Prepare P/L A/c for Yr1

$$\begin{aligned}\text{WN ① \% of completion} &= \frac{\text{Actual cost incurred till Date}}{\text{Total Estimated Cost}} \times 100 \\ &\quad \text{(Actual cost till date (+) Future est cost)} \\ &= \frac{30\text{cr}}{70\text{cr}} \times 100 \\ &= \boxed{42.86\%}\end{aligned}$$

| Profit / loss (Yr1) |      |                  |       |
|---------------------|------|------------------|-------|
| To contract cost    | 30cr | By contract Rev. | 36.43 |
|                     |      | (85cr x 42.86%)  |       |
| To profit           | 6.43 |                  |       |

### 6. Loss Making Contracts

→ As per AS 7, whenever total contract cost is expected to exceed the contract Revenue, then **full loss** should be recognised **immediately**

Eg: cost incurred in Yr1 = 30cr

Future cost expected to be incurred = 40cr

Total contract Revenue = 60cr . Prepare P/L A/c.

Sol<sup>n</sup>:

| Profit & loss (Yr1)          |      |                     |                             |
|------------------------------|------|---------------------|-----------------------------|
| To contract cost             | 30cr | By contract Revenue | 25.72 cr                    |
| To provision for excess loss | 5.72 | By loss             | <del>4.28 cr</del><br>10 cr |

Qn ① Is this a loss making contract? YES

|                      |             |
|----------------------|-------------|
| Total contract cost  | 70cr        |
| - Total Contract Rev | 60cr        |
| loss                 | <u>10cr</u> |

$$\textcircled{2} \% \text{ of completion} = \frac{\text{Actual cost incurred}}{\text{Total Estimated Cost}} \times 100$$

$$= \frac{30 \text{ cr}}{70 \text{ cr}} \times 100$$

$$= 42.86\%$$

$$\textcircled{3} \text{ Revenue to be booked} = 60 \text{ cr} \times 42.86\%$$

$$= \boxed{25.72}$$

④ Excess loss & Prov for Yr 1

|                                  |           |
|----------------------------------|-----------|
| Total loss                       | 10 cr     |
| less: loss already booked        | (4.28 cr) |
| Excess loss to be Booked in Yr 1 | 5.72 cr.  |

|                     |         |
|---------------------|---------|
| Contract Rev (C.Y)  | 25.72   |
| Contract Cost (C.Y) | 30      |
| loss (C.Y)          | 4.28    |
| (-) Total loss      | (10 cr) |
| Excess loss         | 5.72    |

7. If final outcome of the contract cannot be measured reliably

✓  
(cannot estimate % of completion) OR Not sure if contract can be fulfilled or not)

In such cases revenue should be recognised only to the extent of contract cost incurred.

eg: If cost incurred in yr1 = 4 lakhs

| P/L (Yr1)           |    |
|---------------------|----|
| To contract cost    | 4L |
| By contract Revenue | 4L |

### 8. Change in Estimates

(Hill dalal)

→ % of completion is applied on cumulative basis in each year to reflect the current estimate of revenue & cost.

Any change in estimate of Revenue or cost is to be treated as change in Accounting estimate i.e. do prospective accounting.

### 9. Calculation of Amt due from customer / Amt due to customer

|                                  |                     |
|----------------------------------|---------------------|
| Eg: Current Year Revenue Arise   | 10L                 |
| Customer has paid as of now (7L) | (7L)                |
| Amt due from customer            | 3L                  |
| Asset side                       |                     |
|                                  | 10L                 |
|                                  | (7L)                |
|                                  | (3L)                |
|                                  | Amt due to customer |
|                                  | Liab.               |

## Format for calculation

|                                                                      |                  |
|----------------------------------------------------------------------|------------------|
| Cost incurred till date                                              | xxx              |
| (+) Recognised profit                                                | xx               |
| (-) Recognised loss                                                  | (xx)             |
| (-) Progress Billings                                                | (xx)             |
| (Amt paid by customer (+) Amt Billed But yet to be paid by customer) |                  |
| Amt due from customer / Due to customer                              | <u>xx / (xx)</u> |

If Amt is positive (Asset) → Amt due from customer  
If Amt is negative (liab) — ——— to —

Eg: Contract Revenue = 100 cr  
Cost incurred till date = 25 cr  
Future cost = 45 cr

Progress payment rec'd = 47 cr  
Billing done but payment yet to be rec'd = 5 cr

Prepare P/L A/c for Yr 1 & Calculate Amt due to/from customer

Soln: i)

|                  | PLC     |
|------------------|---------|
| To contract cost | 25cr    |
| To profit        | (10.71) |
| By contract Rev  | 35.71   |

ii) Calculation of Amt due to/from customer

|                                |         |
|--------------------------------|---------|
| Cost Incurred till date        | 25cr    |
| (+) Profit                     | 10.71   |
| (-) Losses                     | -       |
| (-) Progress Billings (47 + 5) | (52)    |
| Amt due to customer            | (16.29) |
| (Lab)                          |         |

WNQ Is this a loss making contract → No.

|                    |       |
|--------------------|-------|
| Total contract Rev | 100cr |
| Cost               | 70cr  |
| Profit             | 30cr  |

$$\begin{aligned}
 \textcircled{2} \quad \% \text{ of completion} &= \frac{\text{Actual cost}}{\text{Total Est Cost}} \times 100 \\
 &= \frac{25cr}{70cr} \times 100 \\
 &= \boxed{35.71\%}
 \end{aligned}$$

$$\begin{aligned}
 \textcircled{3} \quad \text{Rev to be Booked} &= 100cr \times 35.71\% \\
 &= \boxed{35.71cr}
 \end{aligned}$$

Q5

Profit / loss

X1 - X2

|                  |        |                     |       |
|------------------|--------|---------------------|-------|
| To contract cost | 81000  | By contract Revenue | 90000 |
|                  |        | (200000 x 45%)      |       |
| To profit (BIF)  | (9000) |                     |       |

X2 - X3

|                  |         |                     |                         |
|------------------|---------|---------------------|-------------------------|
| To contract cost | 89000   | By contract Revenue | 110000                  |
|                  |         | (200000 - 90000)    |                         |
| To profit        | (21000) | Total               | Already Booked in Qr 1) |

Customer Acc

X1 - X2

|                     |       |            |         |
|---------------------|-------|------------|---------|
| To contract Revenue | 90000 | By c/B     | 79000   |
|                     |       | By bal c/d | (11000) |

X2 - X3

|                  |        |                  |        |
|------------------|--------|------------------|--------|
| To bal b/d       | 11000  | By c/B / bal c/d | 121000 |
| To contract Rev. | 110000 | JCAI             |        |

WN ① Is this a loss making contract → No

② Am due to/from customer

|                         | x1-x2          | x2-x3        |
|-------------------------|----------------|--------------|
| Cost incurred till date | 81000          | 89000        |
| (+) Profit              | <u>9000</u>    | <u>21000</u> |
|                         | 90000          | 110000       |
| (-) Progress Billings   | <u>(79000)</u> |              |
| Am due from customer    | 11000          |              |
|                         | Asset          |              |

06 (LOR)

PL (x1-x2)

|                              |                 |                 |           |
|------------------------------|-----------------|-----------------|-----------|
| To contract cost             | 6499000         | By contract Rev | 56,95,000 |
| To provision for excess loss | <u>3,96,000</u> | By loss         | 1200000   |

WN ① Is this a loss making contract

|                    |                                    |
|--------------------|------------------------------------|
| Total Contract Rev | 85,00,000                          |
| Total " cost       | <u>(9700000)</u> (64.99L + 32.01L) |
| Total loss         | (1200000)                          |

WN ② % of completion =  $\frac{6499000}{97,00,000} \times 100 = 67\%$

WN ② Rev to be booked =  $85,00,000 \times 67\% = 56,95,000$

WN ④ Calc of Excess loss & Prov

|                    |                  |
|--------------------|------------------|
| C.Y Rev            | 5695000          |
| £ C.Y Cost         | <u>(6499000)</u> |
| loss               | 804000           |
| Total loss         | <u>(1200000)</u> |
| Excess loss / Prov | <u>396000</u>    |

Q8 Profit & loss (4r1)

|                         |           |                 |     |
|-------------------------|-----------|-----------------|-----|
| To contract cost        | 390       | By contract Rev | 360 |
| To prov for excess loss | <u>20</u> | By loss         | 50  |

|                                |     |                         |           |
|--------------------------------|-----|-------------------------|-----------|
| <u>Profit &amp; loss (4r2)</u> |     |                         |           |
| To contract cost               | 260 | By contract Rev         | 240       |
| (650 (-) 390)                  |     | (600 - 360)             |           |
| Total Booked in                |     | By prov for excess loss | <u>20</u> |
| 4r1)                           |     | (Prov is reversed)      |           |

WN ① Is this a loss making contract  $\rightarrow$  YES

Total Contract Rev = 600

650

Total loss 50

Ques 2%    % completion

$$\frac{4r1}{\frac{390}{650} \times 100} = 60\%$$

$$\frac{4r2 \text{ till date}}{100\%}$$

Ques 3

yr 1 Revenue  $600 \times 60\% = 360$

Q9                      PL for X0-X1

|                                          |     |                 |     |
|------------------------------------------|-----|-----------------|-----|
| To contract cost                         | 605 | By Contract Rev | 550 |
| (Work certified (+)<br>work uncertified) |     | By loss         | 100 |
| To Prov for excess loss                  | 45  |                 |     |

ii) Am't due to / from customer

Cost incurred till date = 605

(+) Profit

(-) loss

$$\begin{array}{r} - \\ (100) \\ \hline 505 \end{array}$$

(-) Progress Billings  $(400 + 140)$      $(540)$

Am't due to customer (35)  
(liab)

WN① Is this a loss making contract  $\rightarrow$  YES

Total contract Rev 1000  
Total u cost (1100)

(500 + 105 + 495)

Total loss 100

$\rightarrow$  (work certified(+) work uncertified)

WN② % completion =  $\frac{\text{Actual cost incurred}}{\text{Total est cost}} \times 100$

$$= \frac{500 + 105}{1100} \times 100$$

$$= \boxed{55\%}$$

WN③ Rev to be booked

$$1000 \times 55\% = 550$$

Q10  $\rightarrow$  H.W.

Q11 (W.R)

Calculation of Revenue, Contract Cost, Profit (Year wise)

| Pl. Yr 1         |      |                     |      |
|------------------|------|---------------------|------|
| To contract cost | 2093 | By contract Revenue | 2340 |
| To profit        | 247  |                     |      |

| PL (Yr 2)                                                     |      |
|---------------------------------------------------------------|------|
| To contract cost<br>(6068 - 2093)<br>till Yr 2 Booked in Yr 1 | 3975 |
| To profit                                                     | 493  |
| By contract Revenue                                           | 4468 |
| (6808 - 2340)<br>till Yr 2 Booked in Yr 1                     |      |

| PL (Yr 3)                                |      |
|------------------------------------------|------|
| To contract cost<br>(8200 - 2093 - 3975) | 2132 |
| To profit                                | 260  |
| By contract Rev<br>(9200 - 2340 - 4468)  | 2392 |

WN 1 Is this a loss making contract → No.

WN 2 % of completion

| Particular                                        | till Year 1       | till Year 2            | till Year 3       |
|---------------------------------------------------|-------------------|------------------------|-------------------|
| Actual cost incurred $\times 100$                 | 2093 $\times 100$ | 6068                   | 8200 $\times 100$ |
| Total est cost                                    | 8050              | 8200                   | 8200              |
| Total Rev - Total Est Profit<br>9000 - 950 = 8050 | = 26%             | (9200 - 1000)<br>= 74% | = 100%            |

Note: Here total estimated cost in each year is computed by Total Revenue (-) Total Profit

| <u>WN 3</u> Revenue to be Recognised |                    | till Year 2        | till Year 3         |
|--------------------------------------|--------------------|--------------------|---------------------|
| Particulars                          | Year 1             | Year 2             | Year 3              |
| Total Revenue (x)                    | 9000 $\times 26\%$ | 9200 $\times 74\%$ | 9200 $\times 100\%$ |
| % completion                         | = 2340             | = 6808             | = 9200              |

Ak Hai Bhaisahab

Note: Exclusive Note

When computing % of completion (WN 2) & Rev to be recog (WN 3), we will do the calculation till date i.e. cumulatively.

But when we prepare P/L (Year wise) we will record only for that particular year (eg: Rev for Yr 2  
= Total Rev (-) Rev Booked in  
HU Yr 2 Yr 1

| P/L                     |             |                 |             |
|-------------------------|-------------|-----------------|-------------|
| Q12 i)                  |             |                 |             |
| To Contract cost        | 1,34,00,000 | By Contract Rev | 1,20,00,000 |
| To Prov for excess loss | 350000      | By loss (fur)   | 17,50,000   |

ii) Calculation of Prov for Excess loss

|                         |             |                                           |
|-------------------------|-------------|-------------------------------------------|
| C-3. Contract Rev       | 1,20,00,000 | } Hint: upar ke P/L mein se aur uttha lo. |
| less: C-3 Contract cost | 1,34,00,000 |                                           |
| C-3 loss                | 14,00,000   |                                           |
| (-) Total loss          | (17,50,000) |                                           |
| Prov for Excess loss    | 350000      |                                           |

WN 1 Is this a loss making contract → (YES)

Total Contract Rev 1,50,00,000

less: Total Contract cost (1,61,50,000)

(71L + 36L + 10L + 15L + 2L + 33.5L) Total loss (17,50,000)

WN② % completion =  $\frac{\text{Actual cost till date}}{\text{Total Est cost}} \times 100$

$$= \frac{1,34,00,000}{1,67,50,000} \times 100$$

$$= \boxed{80\%}$$

WN③ Rev to be booked =  $1,50,00,000 \times 80\%$

$$= 1,20,00,000$$

Q13 (WOR)

|                 | Yr 1 | Yr 2 | Yr 3 |
|-----------------|------|------|------|
| i) % completion | 26%  | 74%  | 100% |

ii) Statement of Profit Year wise

| PL (Yr 1)      |             | PL (Yr 2)         |                | PL (Yr 3)      |             |
|----------------|-------------|-------------------|----------------|----------------|-------------|
| To cost 52.52  | To Rev 57.2 | To cost 99.18     | To Rev 109.3   | To cost 53.3   | To Rev 58.5 |
|                |             | (151.7 (-) 52.52) | (166.5 - 57.2) | (205 (-)       | (225 (-)    |
| To profit 4.68 |             | To profit 10.12   |                | 52.52 (-)      | 57.2 (-)    |
|                |             |                   |                | 99.18)         | 109.3)      |
|                |             |                   |                | To profit 5.20 |             |

WN① Is this a loss making contract → (No?)

|              |       |
|--------------|-------|
| Contract Rev | 220   |
| less: " cost | (202) |
| Profit       | 18    |

WN② % completion

| Particulars                                                             | Year 1                         | till Year 2                 | till Year 3 |
|-------------------------------------------------------------------------|--------------------------------|-----------------------------|-------------|
| $\frac{\text{Actual cost till date} \times 100}{\text{Total Est cost}}$ | $\frac{52.52}{202} \times 100$ | $\frac{151.7}{205 (202+3)}$ |             |
|                                                                         | = 26%                          | = 74%                       | 100%        |

WN③ Rev to be Recog (till date)

| Particulars             | Year 1                      | Year 2                       | Year 3                      |
|-------------------------|-----------------------------|------------------------------|-----------------------------|
| Total Revenue(x) % comp | $220 \times 26\%$<br>= 57.2 | $225 \times 74\%$<br>= 166.5 | $220 \times 100\%$<br>= 220 |

Note: 25 unused material cost excluded from Yr 2 cost is NOT to be added in Yr 3 as it is assumed that £205 already includes it.

Q16

i) % completion =  $56.25\%$

| PLC (Year 1)     |         |                     |         |
|------------------|---------|---------------------|---------|
| To contract cost | 4500000 | By contract Revenue | 4781250 |
| To profit        | 281250  |                     |         |

Q17 ① Is this a loss making contract  $\rightarrow$  No

Total contract Rev = 85 lakhs

(-) Total contract cost = (80 lakhs)

17L + 16L + 5L + 7L + 35L

5 lakhs Profit

(includes all future cost)

Q17 ② % completion =  $\frac{\text{Actual cost incurred}}{\text{Total est cost}}$

17L + 16L + 5L + 7L

$$= \frac{45}{80} \times 100$$

$$= 56.25\%$$

Q17 ③ Rev to be recog =  $85L \times 56.25\%$   
 $= 4781250$

Q17 → H.w.

Q18

Note: It is assumed that total cost already includes escalation of 5%.

But the total revenue does not include escalation.

∴ Revised total Revenue =  $12cr + 5\% = 12.6cr$

i) % completion = 40%

|                  | PIL  |                      |
|------------------|------|----------------------|
| To contract cost | 4cr  | By contract Rev 5.04 |
| To profit        | 1.04 |                      |

WN ① Is this a loss making contract → No

WN ② % of completion =  $\frac{\text{Actual cost}}{\text{Total est cost}} \times 100$

$$= \frac{4cr}{10cr} \times 100 = \boxed{40\%}$$

WN ③ Rev to be recog =  $12.6cr \times 40\%$   
=  $\boxed{5.04cr}$

## Q20 (WQ)

Note: In this ques as only Revenue is asked  $\therefore$  we will ignore the data of work certified & also how the payment is rec'd.

### Calculation of Revenue Each Year

| Yr 1   | Yr 2               | Yr 3                        |
|--------|--------------------|-----------------------------|
| 924800 | 614200             | 461000                      |
|        | (1539000 - 924800) | (2000000 - 924800 - 614200) |

WN 1 Is this a loss making contract  $\rightarrow$  No.

|                    |                      |
|--------------------|----------------------|
| Total Contract Rev | 2000000              |
| Total " Cost       | 1860000 (8.6L + 10L) |
| Profit             |                      |

Jump

WN 2 % of completion

| Particulars                        | Year 1                   | Year 2                   | Year 3 |
|------------------------------------|--------------------------|--------------------------|--------|
| Actual cost till date $\times 100$ | 860000 $\times 100$      | 860000 + 475000          | 100%   |
| Total Est cost                     | 1860000                  | 860000 + 475000 + 400000 |        |
|                                    | Actual + Est<br>8.6L 10L | Actual (+) Future        |        |
|                                    | = 46.24%                 | = 76.95%                 |        |

WN 3 Rev to be Booked

|                      | Year 1                  | Year 2                  | Year 3                |
|----------------------|-------------------------|-------------------------|-----------------------|
| Total Rev (x) % comp | 2000000 $\times$ 46.24% | 2000000 $\times$ 76.95% | 2000000 $\times$ 100% |
|                      | = 924800                | = 15,39,000             | = 20,00,000           |

Q21

P/L

|                         |       |                     |       |
|-------------------------|-------|---------------------|-------|
| To contract cost        | 21175 | By Contract Revenue | 20790 |
| To Prov for excess loss | (315) | By loss             | 700   |

ii) Prov for excess loss

|                  |            |
|------------------|------------|
| Rev (C-y)        | 20790      |
| Cost (C-y)       | (21175)    |
| loss             | 385        |
| (-) Total loss   | (700)      |
| Prov for Ex loss | <u>315</u> |

Q21 Is this a loss making contract →

Total Contract Revenue (35000 + 8%) = 37800

➤ Total Contract Cost 38500

Total loss 700

$$\begin{aligned}
 \text{Total Contract Cost} &= \text{Actual cost incurred (+) Future est cost} \\
 &= 17500 + 3815 (-) 140 (+) 17325 \\
 &= 38500
 \end{aligned}$$

→ This already includes 8% cost escalation.

$$\text{WN 2 } \% \text{ completion} = \frac{\text{Actual cost incurred}}{\text{Total Est cost}} \times 100$$

$$= \frac{17500 + 3815 (-) 140}{38500} \times 100$$

$$= 55\%$$

$$\text{WN 3 } \text{Rev to be booked} = 37800 \times 55\%$$

$$= 20790$$

Q22 (WDR)

| P/L (Yr1)        |      |                 |     |
|------------------|------|-----------------|-----|
| To contract cost | 161  | By contract Rev | 180 |
| To profit        | (19) |                 |     |

| P/L (Yr2)                       |      |                                |     |
|---------------------------------|------|--------------------------------|-----|
| To contract cost<br>(574 - 161) | 413  | By contract Rev<br>(644 - 180) | 464 |
| To profit                       | (51) |                                |     |

| P/L (Yr3)                             |      |                                      |     |
|---------------------------------------|------|--------------------------------------|-----|
| To contract cost<br>(820 - 161 - 413) | 246  | By contract Rev<br>(920 - 180 - 464) | 276 |
| To profit                             | (30) |                                      |     |

QW1 Is this a loss making contract → No

QW2 % completion =  $\frac{\text{Actual cost incurred till date}}{\text{Total estimated cost}}$

Year 1

$$\frac{161}{805} \times 100 \\ = 20\%$$

Year 2

$$\frac{584 - 10}{805 + 15} \times 100 \\ = \frac{574}{820} \times 100 = 70\%$$

Year 3

$$\frac{820}{820} \times 100 \\ = 100\%$$

QW3 Revenue to be booked till date

|                         | Year 1                     | Year 2                     | Year 3                      |
|-------------------------|----------------------------|----------------------------|-----------------------------|
| Total Revenue x % comp. | $900 \times 20\% \\ = 180$ | $920 \times 70\% \\ = 644$ | $920 \times 100\% \\ = 920$ |